Absolutely Positively **Wellington** City Council
Me Heke Ki Pöneke

ORDINARY MEETING OF PÜRORO ĀMUA - PLANNING AND ENVIRONMENT COMMITTEE AGENDA

Time: 9:30am

Date: Wednesday, 27 October 2021

Venue: Virtual meeting

MEMBERSHIP

Mayor Foster

Deputy Mayor Free

Councillor Calvert

Councillor Condie

Councillor Day

Councillor Fitzsimons

Councillor Foon

Liz Kelly

Councillor Matthews

Councillor O'Neill

Councillor Pannett (Chair)

Councillor Paul (Deputy Chair)

Councillor Rush

Councillor Woolf

Councillor Young

Have your say!

You can make a short presentation to the Councillors at this meeting. Please let us know by noon the working day before the meeting. You can do this either by phoning 04-803-8334, emailing public.participation@wcc.govt.nz or writing to Democracy Services, Wellington City Council, PO Box 2199, Wellington, giving your name, phone number, and the issue you would like to talk about. All Council and committee meetings are livestreamed on our YouTube page. This includes any public participation at the meeting.

AREA OF FOCUS

The Pūroro Āmua | Planning and Environment Committee has the following responsibilities:

- RMA matters
- Urban Planning, District Plan
- Built environment
- Natural environment and biodiversity
- Future Development Strategy, Spatial Plans and Housing Supply
- Climate Change Response and Resilience
- Heritage
- Transport Strategy and Planning, including significant traffic resolutions
- Parking policy
- Submissions to Government or other local authorities
- Regulatory activity and compliance
- Planning and approval of business cases for Let's Get Wellington Moving, associated
- traffic resolutions and other non-financial statutory powers necessary for progressing
- the business cases (such as decisions under the Local Government Act 1974)
- Implementing and monitoring delivery of the affordable housing strategy

The Committee has the responsibility to discuss and approve a forward agenda.

To read the full delegations of this committee, please visit wellington.govt.nz/meetings.

Quorum: 9 members

PŪRORO ĀMUA - PLANNING AND ENVIRONMENT COMMITTEE

27 OCTOBER 2021

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1. Meeting Conduct

1.1 Karakia

The Chairperson will open the meeting with a karakia.

Whakataka te hau ki te uru, Cease oh winds of the west

Whakataka te hau ki te tonga. and of the south

Kia mākinakina ki uta,

Kia mātaratara ki tai.

E hī ake ana te atākura.

Let the bracing breezes flow,
over the land and the sea.

Let the red-tipped dawn come

He tio, he huka, he hauhū. with a sharpened edge, a touch of frost,

Tihei Mauri Ora! a promise of a glorious day

At the appropriate time, the following karakia will be read to close the meeting.

Unuhia, unuhia ki te uru tapu nui Draw on, draw on

Kia wātea, kia māmā, te ngākau, te tinana, Draw on the supreme sacredness **te wairua**To clear, to free the heart, the body

I te ara takatū and the spirit of mankind

Koia rā e Rongo, whakairia ake ki runga Oh Rongo, above (symbol of peace)

Kia wātea, kia wātea Let this all be done in unity

1.2 Apologies

Āe rā, kua wātea!

The Chairperson invites notice from members of apologies, including apologies for lateness and early departure from the meeting, where leave of absence has not previously been granted.

1.3 Conflict of Interest Declarations

Members are reminded of the need to be vigilant to stand aside from decision making when a conflict arises between their role as a member and any private or other external interest they might have.

1.4 Confirmation of Minutes

The minutes of the meeting held on 20 October 2021 will be put to the Pūroro Āmua | Planning and Environment Committee for confirmation.

1.5 Items not on the Agenda

The Chairperson will give notice of items not on the agenda as follows.

Matters Requiring Urgent Attention as Determined by Resolution of the Pūroro Āmua | Planning and Environment Committee.

The Chairperson shall state to the meeting:

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- 1. The reason why the item is not on the agenda; and
- 2. The reason why discussion of the item cannot be delayed until a subsequent meeting.

The item may be allowed onto the agenda by resolution of the Pūroro Āmua | Planning and Environment Committee.

Minor Matters relating to the General Business of the Pūroro Āmua | Planning and Environment Committee.

The Chairperson shall state to the meeting that the item will be discussed, but no resolution, decision, or recommendation may be made in respect of the item except to refer it to a subsequent meeting of the Pūroro Āmua | Planning and Environment Committee for further discussion.

1.6 Public Participation

A maximum of 60 minutes is set aside for public participation at the commencement of any meeting of the Council or committee that is open to the public. Under Standing Order 31.2 a written, oral or electronic application to address the meeting setting forth the subject, is required to be lodged with the Chief Executive by 12.00 noon of the working day prior to the meeting concerned, and subsequently approved by the Chairperson.

Requests for public participation can be sent by email to public.participation@wcc.govt.nz, by post to Democracy Services, Wellington City Council, PO Box 2199, Wellington, or by phone at 04 803 8334, giving the requester's name, phone number and the issue to be raised.

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2. (Gen	eral	Busi	ness
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LET'S GET WELLINGTON MOVING - GOLDEN MILE SINGLE **STAGE BUSINESS CASE**

Kōrero ta	aunaki

Summary of considerations

Purpose

1. This report to Pūroro Āmua - Planning and Environment Committee.

Strategic alignment wit	th community wellbeing outcomes and priority areas			
	Aligns with the following strategies and priority areas:			
	 ✓ Sustainable, natural eco city ✓ People friendly, compact, safe and accessible capital city ✓ Innovative, inclusive and creative city ✓ Dynamic and sustainable economy 			
Strategic alignment with priority objective areas from Long-term Plan 2021–2031	 ✓ Functioning, resilient and reliable three waters infrastructure ✓ Affordable, resilient and safe place to live ✓ Safe, resilient and reliable core transport infrastructure network ✓ Fit-for-purpose community, creative and cultural spaces ✓ Accelerating zero-carbon and waste-free transition ✓ Strong partnerships with mana whenua 			
Relevant Previous decisions	Let's Get Wellington Moving Programme Business Case (PBC).			
Significance	The decision is rated high significance in accordance with schedule 1 of the Council's Significance and Engagement Policy. Outline the criteria that apply as set out in the Council's <u>Significance and Engagement Policy</u> . This is a mandatory consideration, regardless of the level of significance. Democracy Services will peer review the level of significance.			

Financial considerations

□ Nil			tary p Plan	rovision	in	Annual	Plan	/	☑ Unbudgeted \$36.1M
Risk									
	│ □ Lo	W	\boxtimes N	Medium		☐ High	า		☐ Extreme

Author	Moana Mackey, Chief Advisor to Chief Planning Officer and Chief Infrastructure Officer
Authoriser	Liam Hodgetts, Chief Planning Officer

Taunakitanga

Officers' Recommendations

Officers recommend the following motion

That Pūroro Āmua - Planning and Environment Committee:

- 1) Receive the information.
- 2) Approve the Let's Get Wellington Moving Golden Mile, Single Stage Business Case.
- 3) Note that Wellington City Council's partner share of costs (49% WCC, 51% Waka Kotahi) to undertake the work in the next phase (Pre-Implementation) has been allowed for in the 2021-2031 Long Term Plan (LTP) as follows:

2021/22 - \$882,000 2022/23 - \$1,911,000 Total - \$2,793,000

Whakarāpopoto

Executive Summary

- This report asks the Pūroro Āmua Planning and Environment Committee to approve the Let's Get Wellington Moving (LGWM) - Golden Mile, Single Stage Business Case (SSBC).
- Partner approval from both Wellington City Council (WCC) and Greater Wellington Regional Council (GWRC) is required before seeking approval from the Waka Kotahi (WK) Board.
- The approval of the SSBC will release the remaining funding for the next stage of the project which is for detailed design also referred to as pre-implementation funding. The detailed design phase will take us through to September 2022 and involve further engagement with the occupants of the Golden Mile Precinct (including its side streets) and the public. Once we have a detailed design completed, implementation funding will be requested from WCC, GWRC and WK in late 2022, subject to construction phase Workstream Funding Agreement (yet to be developed by LGWM).
- The Golden Mile (GM) project is part of the Let's Get Wellington Moving (LGWM) Three-Year Programme. This SSBC assesses the case for investment and the preferred way forward for investing in the Golden Mile's transport, active modes and public realm improvements. It presents the case for change, including the option development and assessment process that was applied to identify a preferred option. It also presents the cost estimation and economic appraisal for this option
- 5. The Golden Mile project aligns with LGWM's overarching vision of a great harbour city, accessible to all, with attractive places, shared streets and efficient local and regional journeys. The vision for the Golden Mile Project is "Connecting people across the central

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city with a reliable public transport system that is in balance with an attractive pedestrian environment".

- 6. The GM project: is a key foundation project at the heart of the LGWM programme; it will significantly improve safety, comfort and amenity for people who live, work or play in the Wellington City CBD; will have significant benefits for people travelling to, through and around the central city on foot, by bike and by bus; and will demonstrate the type of transformative change that people can expect to see rolled out across the key transport corridors in Wellington City.
- 7. Development of the SSBC started in early 2020. The work during this phase included the development of the strategic case, a long list of options which were refined to a short-list, public engagement on the short-list and a Multi Criteria Assessment (MCA) on those options to identify a preferred option for the Golden Mile
- 8. In April 2021, the LGWM endorsed Option 3 "Transform" as the preferred option. This was announced publicly in June 2021. The combined public transport, active modes and public realm benefits were then estimated between \$87M to \$505M. The reason for this wide range of benefits was related to pedestrian realm benefits representing low confidence to high confidence range. The estimated cost range of this preferred option based on the high-level design concept was between \$52M and \$79M thereby having an indicative Benefit Cost Ratio (BCR) between 1.2 and 11. The other two options returned a BCR range of 1.6-4.2 (Option 1) and 1.5-12 (Option 2) respectively.
- 9. The preliminary design of the preferred option has since been completed. This has led to a better understanding of technical design requirements, design standards, risks, impacts which then led to further refinement of cost estimates and project benefits. The revised cost range has increased and is now estimated between \$65M and \$105M. The main elements led to this cost increase are increased requirements for streetlighting replacement (to accommodate cycleway), increased drainage requirements to manage surface runoff and increased allowance for risk associated with utilities. The BCR range for the preferred option is now estimated to be between 3.9 and 5.9.
- 10. The revised implementation cost range estimate exceeds the allowance made in the current LTP and WK NLTP and a more complex approval pathway or decisions to descope this or other projects to fit within overall affordability constraints may be required before seeking a decision on the implementation phase funding.
- 11. On approval of the SSBC, we will initiate the detailed design phase to better understand risks associated with underground services, construction methodology and sequencing, business impacts, materials selection & availability. We are proposing to get contractor on board early in the next phase using an Early Contractor Involvement (ECI) procurement pathway to mitigate these risks and establish construction costs. This will also help confirm a construction methodology long before construction start with a view to minimising disruption to the occupants and daily users of the Golden Mile.
- 12. Stakeholder engagement will be significant in the next phase as we seek to address occupants' access and service delivery concerns while designing this space to achieve our vision of connecting people across the central city with a reliable transport system that is in balance with an attractive pedestrian environment.

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13. The partnership agreement for the programme requires that all business cases gain partner approval. Approval of the recommendations of this report will meet this requirement.

Takenga mai

Background

- 14. LGWM is a joint initiative between Wellington WCC, GWRC and WK, together with Mana Whenua partners Taranaki Whānui ki Te Upoko o Te Ika and Ngāti Toa
- 15. The focus of the LGWM programme is from Ngauranga Gorge to Miramar including the central city, the state highway, access to the port, and connections to Wellington Hospital and the airport. A number of core multi-modal corridors connecting the central city with suburbs to the north, south, east, and west are also covered by parts of the programme. This area has an important role for both local and regional journeys
- 16. A draft LGWM programme business case was completed in 2018, which identified a Recommended Programme of Investment (RPI)
- 17. Discussions with central government about funding, financing, and staging led to the announcement of an Indicative Package (IP) with central government funding in May 2019
- 18. On 26 June 2019, Council endorsed the LGWM long term vision and RPI, welcomed the government funding announcement as part of the IP, and agreed to move to the next stage of investigations (<u>Council 26 June 2019</u>). GWRC similarly endorsed the LGWM vision in June and the WK Board subsequently endorsed the programme's next steps
- On December 11 2019, Council (SPC) agreed the funding and partnering approach for the next phase (<u>Strategy and Policy Committee 11 December 2019</u>). GWRC and Waka Kotahi similarly endorsed the funding and partner agreement
- 20. Since then, the next business case stages for the various packages have been significantly progressed, including a draft Indicative Business Case for both the Mass Rapid Transit and Strategic Highway Improvements packages.
- 21. The LGWM programme includes substantial investment in public transport, walking, cycling and amenity/place making to provide enhanced travel choice with a strong focus on the central city and effective and efficient connections between the central city and key sub-urban centres
- 22. The Golden Mile project is one of the early delivery projects within the LGWM Three Year Programme with a vision to connect people across central city with reliable transport system in balance with attractive pedestrian environment. The benefits sought are for faster and reliable bus system, improved pedestrian safety and convenience as well as increased amenity value

Strategic Case

- 23. The Golden Mile project aligns with LGWM's overarching vision of a great harbour city, accessible to all, with attractive places, shared streets and efficient local and regional journeys. The vision for the Golden Mile Project is "Connecting people across the central city with a reliable public transport system that is in balance with an attractive pedestrian environment".
- 24. The Golden Mile investment objectives that this project is seeking to achieve are to:

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- a. Improve bus travel time and reliability
- b. Improve convenience and comfort of people at bus stops
- c. Reduce number of crashes
- d. Improve capacity for pedestrians
- e. Improve place amenity and vibrancy
- 25. With these objectives in mind, the project seeks to address the infrastructure problems that currently slow buses down and make travel by bus less reliable than it could be on the Golden Mile. Addressing these issues will benefit bus users across the wider network. The project also seeks make walking, biking and spending time on the Golden Mile more attractive.

Kōwhiringa

Options

26. A five-step approach was used to develop options which would meet the investment objectives.



- 27. The option development process started by identifying a long list of potential "mitigation / intervention" scenarios for each section of the Golden Mile. These scenarios explored different combinations of treatments that could respond to the key public transport, pedestrian and public realm problems identified for the Golden Mile
- 28. Three shortlist options (Streamline, Prioritise, Transform) were then derived from the above work and high-level benefits and costs analysis was undertaken to compare the shortlisted options. All three options delivered benefits for bus users, active modes and streetscape improvements to varying degrees. All three shortlisted options returned a positive BCR and were subsequently approved for public engagement by LGWM Board and three partners. These three shortlisted options are explained in Attachment 1.
- 29. The three shortlisted options were released for public consultation in June 2020. Overall, there was strong support from submitters for significant change proposed under the transformational Option 3 "Transform". However, many local businesses and retailers along the Golden Mile did not support any change to status quo primarily due to their concern that any changes that remove private motor vehicles from Golden Mile will be detrimental to their business.
- 30. To better understand the impact of proposed changes on businesses, LGWM commissioned an independent retail assessment study which concluded that the proposed improvement will provide overall positive benefits to businesses.
- 31. The short-listed options for each section of the Golden Mile were assessed through a Multi Criteria Assessment. This process involves several subject matter experts (including partner representatives) assessing each option for each section of the Golden Mile against various assessment criteria including:

i. How well an option meets the investment objectives;

- ii. What are the relative impacts and effects of each option;
- iii. Deliverability and ongoing operations.
- 32. A key feature of the assessment process was the consideration of community feedback received via the public engagement process, and the independent retail assessment.
- 33. The "Transform" option was identified as the best performing option which would deliver significant public transport, active modes and streetscape improvements. This preferred option was subsequently endorsed by LGWM Board (April 2021) and announced in June 2021.

Kōrerorero Discussion

Preferred option Economics

34. A breakdown summary of the benefits associated with delivering the preferred option "Transform" is as follows:

4. Benefits	Present value (\$M)
5. Pedestrian Realm	\$247
6. Health	\$48
7. Pedestrian Crash reduction	\$37
8. Public Transport Reliability	\$27
9. Pedestrian Travel Time	\$25
10. Public Transport Travel Time	\$17
11. Emission Reduction	\$17
12. Car Travel Time (Disbenefit)	-\$20
13. Net benefits	\$398
14. Expected Cost (P50)	\$87.5
15. BCR	4.6

- 35. Public transport benefits are expected to be generated by the public transport travel time and reliality improvements. The Golden Mile is the core public transport corridor for most of the bus services that travel through the central city from adjoining suburbs, therefore, the travel time and reliability benefits will provide benefits to wider public transport network.
- 36. Significant benefits are expected to be generated by the combined pedestrian travel time, crash reduction and pedestrian realm benefits. Analysis shows that most of these benefits will occur on Lambton Quay, Willis Street and Courtenay Place.
- 37. The preferred option is also expected to generate significant health benefits as a result of mode shift from cars to public transport. In total, the preferred option is expected to generate \$48M (net present value) in health benefits.

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- 38. Whilst there is a disbenefit to car travel time, this is far outweighed by the other benefits associated with improved public transport, health and pedestrian benefits.
- 39. Overall, the preferred option returns a positive BCR which provides partners with confidence to move to deliver it as soon as possible.

Preliminary Design of Preferred Option

- 40. A preliminary design of the preferred option was undertaken to: estimate likely costs and benefits; investigate linkages/dependencies with other projects; understand high level utilities interaction; define access hierarchy/strategy and identify and assess project risks for further investigation into the next phase of detailed design. The proposed road layout and associated high level plans are included in the SSBC and these will be further refined and developed in the next stage. This will be done in collaboration with local businesses, key stakeholders and general public.
- 41. To guide the design of the preferred option, the project team has developed a Design Philosophy Statement (DPS) that sets out standards, guidelines and assumptions to guide the design of the preferred option.
- 42. A *Movement and Access Strategy* has been prepared to define the access and movement arrangement for all users on Golden Mile. The key objectives of this strategy are:
 - Confirm user groups
 - Confirm movement and access hierarchy, principles and plans applied to user groups
- 43. A Movement and Access Hierarchy has been developed that reflects the investment objectives and reinforces pedestrians and public transport as the highest priority user groups. Access for cyclists, service and commercial vehicles will be provided in a way not to adversely affect the pedestrians and public transport operations.
- 44. Mana Whenua has provided a set of draft cultural design values to help guide the design in the next phase of the project. This will be done by working collaboratively with Mana Whenua throughout the next design phase.
- 45. The key design features of preferred Option "Transform" are:
 - Removal of most general traffic from the Golden Mile with the road space reallocated to pedestrians, cyclists and public transport improvements
 - One continuous bus lane in each direction along the entire length of Golden Mile
 - The bus stops to be reduced to five bus stop pairs on Golden Mile with some bus stops indented into footpath to allow buses to pass each other at Lambton Quay and Courtenay Place. The bus stops on Willis Street and Manners Malls will be in-line bus stops due to geometric constraints
 - The Golden Mile ends of Blair, Allen, Cuba, Mercer, Balance, Stout, Waring Taylor, Johnston, Brandon and Panama streets will be closed to private motor vehicles to improve pedestrian convenience, safety, streetscaping opportunities and public transport reliability (by reducing interaction with cars turning on and off-side streets).
 - Tory Street is open to North/South through traffic movements only with turning movements to/from Courtenay Place restricted.
 - Dedicated space for cyclists on Courtenay Place and Lambton Quay (north of Panama Street). Willis street will allow cyclist access northbound as a secondary cycling route. These sections are highly pedestrianised, and the design needs to ensure the safety and access of pedestrians and public transport takes priority.

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- Loading zones and taxi stands to be relocated to side streets. To accommodate large service vehicles, keeping some loading zones on Golden Mile with time restricted access arrangements will be investigated.
- On-street car parking on the Golden Mile removed to allow active modes and streetscape improvements. The on-street car parking on side roads will also be reduced to accommodate loading zones, mobility parks and taxi stands. The exact parking loss will be worked through in the next design phase.
- Emergency vehicle access to be allowed 24/7
- Streetscape improvements on Lambton Quay, Mercer Street and Courtenay Place to improve amenity and vibrancy
- 46. The next design phase will further develop the *Design Philosophy Statement* and refine the design in collaboration with partners, public and key stakeholders.
- 47. There are number of heritage buildings, sites and objects located along the Golden Mile and the proposed consenting strategy recommends the project team to do heritage, archaeological and cultural heritage assessments in the next design phase to ensure the improvements enhance the character of the area with no adverse impacts.

Dependencies, Assumptions & Impacts of Preferred Option

- 48. <u>Assumption</u> The following key assumptions informed the development of the Golden Mile SSBC:
 - a. Mass_Rapid Transit (MRT) is not located on Golden Mile corridor. However, design integration with MRT is planned at Courtenay Place depending on subsequent MRT alignment.
 - b. Public transport patronage, growth, employment will return to pre-covid levels and projections by 2036.

49. Dependencies:

- a. A second public transport spine will be developed to accommodate future growth in public transport demand through the CBD and will complement the Golden Mile public transport spine. This second spine is the MRT route under investigation by LGWM.
- b. There is a finite capacity on the Golden Mile to accommodate new bus services due to geometric constraints of Willis Street and Manners Mall. Therefore, bus volumes are "capped" at 100 buses/hr in each direction. Any additional increase beyond the 100 buses/hr/direction will be accommodated on the second public transport spine.
- c. Cycle connections to the proposed cycling facilities on the Golden Mile will be provided by the City Streets programme which will investigate primary cycling routes on Featherston Street, Victoria Street and Kent/Cambridge Terrace among other routes.
- d. The proposed changes to bus stop locations may require rescheduling of bus services. This rescheduling work will be done by GWRC and Metlink as part of ongoing timetable review processes. The bus stop location changes also provide an important opportunity to improve the user experience and waiting experience at new bus stops as part of the detailed design phase.

50. <u>Transport Impacts</u>

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- a. Transport modelling of "worst case" and "optimistic" scenarios was undertaken to understand the potential traffic effects of the preferred option.
- b. A worst-case scenario means no change in travel behaviour and traffic demand.
- c. An optimistic scenario where some travel behaviour change occurs in response to proposed changes to Golden Mile.

The modelling work concluded that even for the worst case scenario, the transport network could accommodate the rerouted traffic and the effect is manageable. Some traffic signal optimisation is needed on the rerouted routes and this will be done in the next design phase.

51. Traffic Controls

a. To regulate the access on the Golden Mile, the project team developed a traffic control strategy to investigate several methods to regulate access on Golden Mile. This strategy concluded that a hybrid approach involving a combination of road traffic controls and permitting system is likely to most effective. This will be further explored in the next phase and once confirmed with partners, the traffic resolution process will be followed for implementation.

Integration with Other Projects

- 52. The work done to date on the SSBC is integrated with the City Streets and Mass Rapid Transit (MRT) projects with further work planned in the next design phase with respect to:
 - integration of proposed cycle links on Golden Mile with City Streets Cycle network;
 and
 - integration with MRT at Taranaki/Courtenay/ Manners/Dixon intersection with respect to intersection design;
 - c. integration with transitional cycleways project at Bowen/Whitmore St and Kent/Cambridge Terrace.
- 53. To accommodate future growth in bus services beyond Golden Mile capacity, LGWM will investigate how a second PT spine could be implemented on the waterfront Quays ahead of, but consistent with, the longer term MRT infrastructure. GWRC and Metlink have completed some initial work, using customer research focus groups, to understand bus user preferences and to inform bus service design concepts for potential implementation along the second spine within three to five years.
- 54. The WCC Bike Plan indicates Courtenay Place as a primary cycle route with Willis Street and Lambton Quay as secondary routes. Given the primary objectives of the Golden Mile project are focussed on public transport and walking improvements, any cycling infrastructure that is designed and implemented will prioritise those other modes and likely encourage slower speeds.
- 55. The Poneke Promise Project proposes to make changes to Courtenay Place and surrounding areas of Te Aro Pa, Te Aro Park, Allen and Blair Streets to improve public safety. Due to the overlap with Golden Mile project, the project team will work collaboratively with this project to integrate design and public engagement opportunities.

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- 56. Gehl Architects has completed a Public Space Public Life study, funded from the City Streets package. This has valuable insights, principles and actions to improve the quality and function of public spaces in the city centre. The Golden Mile project and wider LGWM programme will work with WCC to apply the relevant recommendations to the Golden Mile. The study also measured and analysed how people are currently using and moving through the space, creating a data baseline for the project to inform design decisions in the next stage and to monitor and measure the effects of the project on improving liveability within the project area.
- 57. WCC renewals of existing paving areas- The Golden Mile project scope only includes the paving of new areas as the renewal of existing paved areas on Golden Mile comes under WCC renewal works as per WK guidelines. To ensure a consistent paving approach across all paved areas on Golden Mile and to ensure pavers approaching end of life are replace, WCC is investigating opportunities to advance renewal of existing paving areas across 2021/24 and 2024/27 LTPs to be integrated and completed as part of the Golden Mile construction project. This approach provides best value for money for customers and removes the risks associated with existing clay pavers as reported by customers (slips, trips etc). The new pavers (type yet to be agreed with WCC in next design phase) will have longer paving life (around 25years) thereby providing best whole of life solution.
- 58. WCC is currently developing a Green Network Plan which is a key action out of the Planning for Growth Spatial Plan and to addressing the climate and ecological emergency declared in 2019. The Green Network Plan and proposed Implementation Framework focus on how to address the current deficit of greening in the central city as well as how to provide additional green infrastructure and public amenity as the central city densifies over the next 30 years. Increasing the level of greening in the public realm and number of trees, including street trees, is going to be critical to achieve this plan. This plan, if adopted by WCCs Planning and Environment committee on 27 October 2021, will inform the next stage of design of the Golden mile project.
- 59. WCC have commissioned a research report on a Fossil Fuel Free Central City (FFFCC) which will provide advice on how to build on the work of LGWM in prioritising active and Public Transport modes across the central city. The FFFCC report is due to be discussed at WCCs Planning and Environment committee on 10 November 2021.

Whai whakaaro ki ngā whakataunga

Considerations for decision-making

Alignment with Council's strategies and policies

60. The preferred option (Option 3 "Transform") alignment with Wellington City Council's strategies is as follows:

Strategies and Policies	Alignment
Our City Tomorrow: Spatial Plan for Wellington City	Strong
Wellington Towards 2040: Smart Capital	Strong

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Te Atakura First to Zero: Wellington City's Zero Carbon Implementation Plan 2020 – 2030	Strong
Wellington City Council (WCC) Long Term Plan 2021-31	Strong
WCC Walking Policy 2008	Strong
WCC Parking Policy 2020	Strong
Pōneke Promise	Strong
Wellington RLTP 2021	Strong
Wellington Regional PT Plan 2021	Strong
Regional Climate Emergency Declaration/ Action Plan	Strong

Engagement and Consultation

Reviews and approvals

- 61. The Golden Mile SSBC has been endorsed by the LGWM Board [subject to WCC confirmation, the Pre-implementation WFA (Workstream Funding Approval), as attached, has been endorsed for submission to WCC and Waka Kotahi for approval].
- 62. Standard practice for any business case of this size within WK is that it undergoes an internal investment quality assurance (IQA) review. The IQA process has been completed that supported this SSBC.
- 63. The SSBC has also been independently peer reviewed and all relevant issues have been resolved. The peer reviewer supported the SSBC document.
- 64. The SSBC has also gone through independent transport modelling and economics peer review and their review findings support the SSBC modelling and economics.
- 65. The Preliminary design has also been independently safety audited and audit findings been reviewed and accepted by consultant, LGWM and WCC safety engineer.

Community and Stakeholder feedback

- 66. The three shortlisted options were released for public consultation from June to August 2020. We asked Wellingtonians to let us know what that they liked or didn't like about each concept and why. We also asked people to tell us which concept they preferred for the different sections of the Golden Mile, as we understand that each street that makes up the Golden Mile is different, and a concept that might work for one street, may not for another. We also wanted to know people's thoughts on providing spaces for people on bikes and scooters, allowing certain vehicles (such as taxis, delivery and maintenance vehicles) access to the Golden Mile and how they'd like to see the space at the end of closed side streets used.
- 67. Overall, about 2000 people and organisations commented on the proposed concepts. Most of the comments received expressed a preference for Concept 3 "Transform." The majority also supported providing cycling facilities and retaining loading bays or taxis stands on the Golden Mile (or were supportive of allowing service vehicles to use the Golden Mile at certain times of the day).

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- 68. However, the retail and hospitality business sectors were concerned that certain aspects of the concepts (e.g. removal of on-street parking, removing Private Motor Vehicle access, relocation of loading zones), would impact negatively on retail and business activity. In response to these concerns, the project team commissioned retail impact assessment to determine the effects, benefits and risks of shortlisted options on retailers and businesses.
- 69. A key conclusion of the retail impact assessment was the Option 3 "Transform" would generate net benefits in the form of increased footfall leading to increased sales and revenue. In contrast, both options 1 and 2 would generate less benefits for businesses and retailers on the Golden Mile.

Implications for Māori

- 70. LGWM has established mana whenua partnership working group and Iwi membership on the Governance Reference Group to incorporate mana whenua perspectives in the programme outcomes and support broader Iwi engagement.
- 71. Iwi representatives have been involved in the Golden Mile Multi Criteria Assessment options assessment process and has supported the preferred option, Option 3 "Transform".
- 72. The iwi representatives have provided a set of draft cultural design values and principles to help guide the development of the project. These values, along with, Heritage landscape assessment and archaeology assessment will guide the development of the preferred option design in the next phase of the project. This design will be developed in partnership with the mana whenua working group.

Financial implications

Preferred Option Cost Estimate

- 73. Further refinement of the design through the finalisation of the SSBC has resulted in an updated cost estimate.
- 74. The table below shows the Base and Expected (P50) cost estimate for the preferred option:

Cost source	Revised (September 2021) Expected Project Cost	Previous (June 2020) Expected Project Cost	
Pre-Implementation Phase	\$7,900,000	\$5,900,000	
Main Consultancy/Contract including comms and engagement	\$4,900,000	\$3,900,000	
Internal Managed Costs Allocation (reviews, Audits, advertising, cultural assessment, ad-hoc fees)	\$2,000,000	\$2,050,000	
Early Contractor Involvement (stage 1 contract docs, tendering, contractor staff time, cost agreement, final	\$1,000,000		

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Cost source	Revised (September 2021) Expected Project Cost	Previous (June 2020) Expected Project Cost	
proposal)			
Implementation Phase	\$57,750,000	\$46,260,000	
MSQA Consultancy supervision	\$3,600,000	\$3,100,000	
Managed Costs (consent monitoring fee, audits, reviews, comms FTE, advertising costs)	\$5,250,000	\$2,050,000	
Physical works Cost Estimate	\$48,900,000	\$41,110,000	
Total Project Base Cost	\$65,650,000	\$52,160,000	
Total Project Contingency (30%)	\$19,500,000	\$15,648,000	
Physical Works Contract- Allowance for Contractor KRA Bonus Payments	\$2,400,000*		
Total Expected Project Cost (P50)	\$87,550,000	\$67,808,000	

^{*}please note that these costs are not included in the draft SSBC document as it was added late by LGWM. The final approved SSBC will be updated include these costs

75. The key elements that led to this cost increase (P50) from \$67.8M to \$87.55M are listed and quantified below:

Key Elements	Concept stage estimate (June 2020)	Preliminary Design Stage Estimate (Sep 2021)	Reason for cost increase
Pre-Imp Phase	\$3.9M	\$4.9M	Based on final consultant fee. Original fee based on standard estimate (7.5%)
Pre-Imp Phase- Allowance for Early Contractor Involvement (ECI)	\$0.0	\$1.0M	To allow procurement and involvement of physical works contractor to work collaboratively with the pre-imp consultant to refine the design, develop construction methodology and minimise the construction and disruption risk associated with physical works
MSQA Services	\$3.1M	\$3.6M	Updated fee allows for three years construction supervision to accommodate risk of delay

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Construction Phase Managed Costs	\$2M	\$5.25M	Revised costs now allow for one comms FTE resource plus advertising costs@750k/year
Construction Works	\$41.1M	\$48.9M	Original cost based on concept design (5%) across three options. Revised cost is based on preliminary design of preferred option (~20%). Key items that led to cost increase are: Streetlighting- \$4.4M increase, out of which
			\$2.8M relates to removal and relocation of median streetlights to accommodate cycleway connection through Courtenay place.
			<u>Drainage – Increase of \$2M to allow more sumps, manholes and length of strip drains to manage stormwater flow on sealed surface and on new footpath</u>
			Bus stops-
			One architectural bus stop- \$0.4M
			Temporary bus stops (including seating, lighting) on re-routed streets -\$0.45M
			Paving rates-The rate for new footpath pavers increased from \$280/m2 to \$300/m2 to reflect recent market costs.
Extraordinary Construction Cost	\$0.0	\$1.0M	Allowance for artistic and cultural inputs to project to reflect mana whenua design values and reflect cultural heritage
Physical works contractor- KRA Bonus Payment	\$0.0	\$2.4M	In discussions with LGWM Procurement Advisor, an allowance has been made of a provisional sum of \$2.4M for "Contractor Bonus Payments" to allow broader social outcomes from our physical works contractor. Alliance type contracts typically use a KRA (Key Result Area) bonus pool payment of between 2-3% of engineer estimate. If we want to signal a step change in contractor performance, we need to allow for these payments to ensure contractor reflects the right behaviours to meet these social outcomes when delivering the physical works

76. As per the WK Cost estimation manual, the revised base, expected (P50) and 95th percentile (P95) estimated cost ranges are as follows:

	Base	Expected (P50)	95 th percentile (P95)
Preferred Option	\$65.65M	\$87.55M	\$105.06M

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- 77. The WCC has included the costs for the next phase (pre-implementation phase) in their LTP funding, but not for the currently indicated implementation phase cost range. Costs included in the current LTP are funded using existing rating tools.
- 78. WK is expected to fund the central government share from the NLTF for the next phase of work (pre-implementation phase). The currently estimated implementation phase costs exceed the allowance made in the WK NLTP.
- 79. Whilst there is an explicit LGWM programme work stream to provide funding partners with analysis to assist them in agreeing a more enduring agreement for cost allocation, for the next phase (Pre-Implementation) of the Golden Mile project, the interim agreed funding arrangement, documented in schedule 5 of the 2020 LGWM Relationship and Funding agreement (RFA) to allocate cost shares to funding partners, will be used.

Legal considerations

80. No legal issues are noted at this stage.

Risks and mitigations

- 81. Cost Estimate: The P50 costs reported above has increased from the earlier cost estimate completed in June 2020 for public engagement of three shortlisted options. The earlier estimate was high level based on concept stage design (around 5% design). The LGWM Board and partners approved the preferred option in June 2021 that enabled the project team to proceed with preliminary level design (around 20%) that led to increased costs as we have better understanding of design elements, impacts and partner requirements. At preliminary level design (~20%), some risk of further cost increase remains as we cannot yet quantify the full impact of underground services, cost escalations, construction impacts and market rates. These will be managed in the next pre-implementation phase.
- 82. The following table list key items where this cost increase occurred, and suggested mitigation measures to manage this cost risk:

Phase	Items	Cost	Mitigation proposal
Pre-Implementation	Consultant Fee	\$4.9M	Procurement negotiations to challenge scope and costs.
Pre-Implementation	Managed Costs (reviews, audits, advertising, Project management etc)	\$2.0M	Manage at 3-year Programme level rather than project level and approve work as need basis.
Implementation	Management Surveillance & Quality Assurance consultancy	\$3.6M	These supervision costs can be significantly reduced if LGWM programme hire dedicated Project Manager rather than outsourcing to consultants.

	supervision		
Implementation	Managed Costs	\$5.25M	Manage at 3-year Programme level (rather than project level) and approve work as need basis. Dedicated in-house communication staff and reducing advertising costs during construction can provide significant savings
Implementation	Physical Works	\$48.9M	Costs increase of around \$7.8M (compared with previous estimate) is due to increased costs associated with drainage and streetlighting improvements. With ECI (Early Contractor Involvement) procurement pathway to allow physical works contractor involved earlier in design phase, there are opportunities to reduce this cost increase. Also, with Ground Penetrating Radar work underway, we will be in better position to quantify the risk of design changes due to underground services in next phase of the project.

- 83. <u>Cost Contingencies</u>- The contingency allowance has been reviewed and accepted by the WK Commercial team as well as supported by the independent parallel estimator WT Partnerships.
- 84. Scope and Quality There is a risk that the expectations from partner organisations on both scope of the project, Infrastructure design requirements and quality of material selection (paving type) may add costs to the project without adding transport benefits. The project team plan to manage this risk by keeping decision makers informed of any scope/quality creep and to keep the project within the estimated cost of \$87.5M (P50 estimate).
- 85. <u>Integration with MRT and City Streets</u>- This integration risk will be managed in the next detailed design phase once the MRT preferred option is confirmed and City Streets CBD cycleway link is investigated and confirmed.
- 86. Second PT Spine The Golden Mile corridor have limited capacity up to 100 buses/hour per direction and any increase beyond this capacity needs to be accommodated on second PT spine. It is estimated that Golden Mile will reach this capacity in 2024/25. Therefore, GWRC and Metlink are currently investigating bus services that could be moved to this second spine within next three to five years to accommodate the future growth beyond the Golden Mile capacity limitations and must be consistent with longer term MRT infrastructure. There is a risk that the bus services planned move to the

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second PT spine, without associated priority infrastructure and with increased congestion (due to PMVs diverted from Golden Mile restrictions) could lead to negative impact on bus service efficiency, reliability and patronage if not carefully planned and managed.

- 87. Impact of underground services on costs- The Ground Penetrating radar (GPR) work to understand and assess the type and depth of underground services and their possible clash/integration with proffered option will be investigated in the next phase. The cost estimate includes appropriate contingency allowance to manage this risk, however, we will only fully understand this risk and its ramifications once this GPR survey work is completed later this year.
- 88. Consultation/Stakeholders- The businesses, retailers and hospitality sectors have raised concerns over construction disruption effects. LGWM propose to get contractor involved early in the detailed design phase to jointly develop the construction staging plan (along with partners) and assess the impacts of disruption on the businesses and retailers of Golden Mile along with users of the surrounding transport network. Similarly, LGWM will work with WCC to also develop activation strategies to ensure people continue to access and shop on Golden Mile during the physical works.
- 89. Construction Impacts on businesses and bus services; There is a risk of impact of proposed construction works on the businesses and bus services on Golden Mile. It is too early to assess these effects without first understanding the construction methodology. The project team will develop this methodology in collaboration with consultants, contractor and partners in the next phase.

Disability and accessibility impact

- 90. The project team has numerous meetings with the CCS disability group and Blind Citizens group regarding the preferred option design. One of the ley feedback point was to improve accessibility for the people with accessibility needs. The project team has noted this feedback and have proposed to:
 - a. increase the number of disability car parks provided on side roads (with no carparks on main Golden Mile corridor). Currently, on Golden Mile, there is only one disability on-street car park:
 - b. locate these disability car parks closer to the Golden Mile corridor to improve availability and accessibility;
 - c. investigate further accessibility improvement options on Golden Mile corridor, in the next design phase, for people with accessibility needs that needs them to be dropped off outside or very near to their destination.
- 91. In the next design phase, the project team is developing communications and stakeholder engagement plan that aims to develop design of preferred option in collaboration the Disability stakeholder groups.

Climate Change impact and considerations

92. The preferred option is expected to reduce carbon monoxide, carbon dioxide, nitrous oxide and PM10 emissions. That is, by improving public transport and active mode

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infrastructure and by restricting access for private motor vehicles, the preferred option is expected to help make the bus / active mode network more efficient, attractive and encourage people to switch from their private motor vehicles to more sustainable modes of travel. It is noted that the preferred option is expected to generate about \$17M (net present value) in emission reduction benefits.

93. The preferred option strongly aligns with The Te Atakura blueprint (2019) and implementation plan (2020) - commits WCC to ensuring Wellington City becomes a net zero carbon city by 2050 – including making the most significant reductions by 2030. Transport emissions are responsible for over half of Wellington's emissions – thus is a key action area. Further, as previously mentioned, WCC have commissioned a research report on Fossil-Fuel Free Central City and the programme will work collaboratively with our partners to agree how recommendations can be implemented on Golden Mile within the agreed project budget.

Communications Plan

94. Once all three partners (WCC, GWRC and WK) approve the Golden Mile Single Stage Business Case, it will be released on project website with associated key messages and engagement plan for next detailed design phase. The engagement plan will clealry communicate the approach and timeline for engagement with public, stakeholders and businesses to inform the detailed design of preferred option. The engagement will include businesses on both the Golden Mile corridor as well as the adjoining side roads (within limit of works). The SSBC will be finalised after the final approval by WK on 25th November 2021.

Health and Safety Impact considered

95. The preferred option is expected to have positive impact on health and safety by encouraging people to active modes and public transport and by reducing reliance on private motor vehicles. Any construction phase related health and safety risks will be assessed, quantified and reported (with mitigation plan) once the next detail design phase is completed.

Ngā mahinga e whai ake nei

Next actions

- 96. The project will seek business case approval from GWRC on 28th October 2021 and from WK Board on 25th November 2021.
- 97. The project will move into the next phase of detailed design (pre-implementation). This work is currently undergoing procurement negotiations with incumbent supplier (Future Group) and the detail design phase is expected to commence by end of October 2021.
- 98. Once the detail design commences, the following key priority actions will be taken:
 - a. Complete underground services location investigation to better understand the services depths/locations using Ground Penetrating radar technology.

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- b. Complete archaeological, heritage and cultural assessments as part of an integrated cultural heritage philosophy.
- c. Complete a HAIL (Hazardous Activities and Industries List) investigations to check for any contaminated sites.
- d. The LGWM Urban Design (UD) framework is currently being scoped however, the LGWM urban design team are prioritising the delivery of draft UD framework criteria for the Golden Mile timeframes so that it can help inform the urban design interpretation and placemaking outcomes for the project.
- e. Ensure early and regular engagement with partners to ensure collaborative design approach and input from elected members.
- 99. The project team will seek procurement approval to identify and engage potential contractors that can join the design team in the next phase using Early Contractor Involvement (ECI) procurement process. This will enable the project team to jointly design the project and ensure the construction methodology is robust to minimise disruption to businesses and travelling public. This approach will also open opportunities for potential costs savings for project due to early identification of risks and potential for design changes to mitigate these risks.
- 100. Once the detailed design phase is completed and design approved, the project team will work with WCC officers with respect to necessary traffic and parking changes (Traffic Resolutions).
- 101. The next phase will have stakeholder and community engagement at its core to ensure design approach is collaborative and works for all users, local businesses and retailers. A comprehensive piece of engagement needs to embed alongside the technical analysis to enable smooth progress towards the delivery phase.
- 102. Subject to business case approval by partners and release of the remaining preimplementation funding by end of November 2021, we expect that detailed design phase will be completed by October 2022 to enable construction to begin by end of 2022.

Attachments

Attachment 1. Golden Mile SSBC Draft
Attachment 2. A - Strategic Case Refresh

Attachment 3. B - Vision 2036 Attachment 4. C - MCA Report

Attachment 5. D - Design Philosophy Statement

Attachment 6. E - Economics Report

Attachment 7. F - Traffic Assessment Report
Attachment 8. G - Cost Estimate Report
H - Consenting Strategy

Attachment 10. I - Traffic Regulations Strategy

Attachment 11. J - SSBC Risk Register Attachment 12. K - Benefits Realisation Plan

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Attachment 13. L - Peer Reviews

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WELLINGTON CENTRAL CITY GREEN NETWORK PLAN

Kōrero taunaki Summary of conside	rations			
Purpose				
draft Wellington Co	ūroro Āmua - Planning and Environment Committee to adopt the entral City Green Network Plan ('GNP') – (Attachment 1). th community wellbeing outcomes and priority areas			
on atogro angimioni wi	Aligns with the following strategies and priority areas:			
	 Sustainable, natural eco city People friendly, compact, safe and accessible capital city Innovative, inclusive and creative city Dynamic and sustainable economy 			
Strategic alignment with priority objective areas from Long-term Plan 2021–2031	 ☑ Functioning, resilient and reliable three waters infrastructure ☑ Affordable, resilient and safe place to live ☑ Safe, resilient and reliable core transport infrastructure network ☑ Fit-for-purpose community, creative and cultural spaces ☑ Accelerating zero-carbon and waste-free transition ☑ Strong partnerships with mana whenua 			
Relevant Previous decisions	Council signed off on the Planning for Growth Spatial Plan which identified the Central City Green Network Plan as a key action. Council assigned budget to central city greening in the 2021-31 Long-term Plan, as well as agreeing to create compensatory green space if the Fale Malae project goes ahead on Frank Kitts Park.			
Significance	The decision is rated low significance in accordance with schedule 1 of the Council's Significance and Engagement Policy as the GNP is a strong logical step from a prior decision. Outline the criteria that apply as set out in the Council's Significance and Engagement Policy . This is a mandatory consideration, regardless of the level of significance. Democracy Services will peer review the level of significance.			
Financial consideration	ns			
	dgetary provision in Annual Plan / erm Plan			
Risk				
⊠ Low	☐ Medium ☐ High ☐ Extreme			

⊠ Nil	□ Lor	Budgetary ng-term Plan	provision	in	Annual	Plan	/ Unbudgeted \$X
2.							
Risk							
	⊠ Low		Medium		□ High	า	☐ Extreme

Authors	Gerald Blunt, Principal Advisor Design Strategy Caitlin Wallis, Intermediate Urban Designer		
Authoriser	Vida Christeller, Manager City Design & Place Planning Liam Hodgetts, Chief Planning Officer		

Taunakitanga

Officers' Recommendations

Officers recommend the following motion

That Pūroro Āmua - Planning and Environment Committee:

- 1) Receive the information
- 2) Adopt the draft Green Network Plan (GNP) (Attachment 1).
- 3) Request officers to come back with an Implementation Framework and the finalised GNP early 2022 setting funding and partnering options, programmes of work, actions and targets over 30 years which will direct:
 - a. Protecting existing green elements
 - b. Planting more trees
 - c. Enhancing and greening existing public spaces
 - d. Developing sites into new parks
- 4) Request officers to identify a te reo Māori name for the GNP.

Whakarāpopoto

Executive Summary

- 3. The Central City Green Network Plan (GNP) is a key action out of the Planning for Growth Spatial Plan to complement growth and which helps address the climate and ecological emergency declared in 2019.
- 4. Council approved on 4 March 2021 with the adoption of the draft LTP for consultation the addition of \$30 million in years 11-30 for the acquisition and development of central city parks and to enable more street tree planting and parks in the Central City to support population growth. In years 4-6 of the LTP there is \$7.5 million assigned for purchase and development of one central city park.
- 5. The GNP focuses on how we can address the current deficit of greening for residents, workers and visitors in the central city as well as provide additional green infrastructure and public amenity as the central city densifies over the next 30 years.
- 6. This will be undertaken through the addition of more trees and plants and new green public spaces as well as upgrading existing public spaces.
- 7. This is supported by a multi-faceted approach based on treasuring what already exists, growing the green network, celebrating with partners and managing the green spaces well.
- 8. There was a councillor workshop held on the 28 September 2021 to introduce the approach, confirm the draft objectives and test which level of ambition regarding targets.
- 9. A Green Network Plan Implementation Framework (GNPIF) will be reported back to Committee in early 2022 and will set targets for the GNP and direct how the GNP will

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be delivered. It will identify a series of, actions, funding options and delivery mechanisms.

Takenga mai

Background

- The Green Network Plan was first identified as an action in the in the Central City Framework in 2010. Within the key objectives street greening and the development of a legiable green network are highlighed.
- 11. Since the adoption of the Central City Framework, a number of major public space upgrdaes have been undertaken including Pukeahu, the Victoria Street upgrade and the Cenotapth plazza.
- 12. The Spatial Plan 2021 identified the following: "Action 3.33 Develop a Green Network Plan for the Central City and investigate opportunities to expand the green network beyond the central city to establish forests to sequester carbon".
- 13. Through the spatial plan consultation 69% of respondents note the importance of protecting the natural environment and investment in parks and open spaces.
- 14. Through the development of the spatial plan and draft District Plan, officers have been working closely with mana whenua. Mana whenua are very supportive of greening initiatives.
- 15. In 2019 a report was commissioned for Wellington City Council by the New Zealand Centre for Sustainable Cities titled "Green Space in Wellington's Central City: Current provision, and design for future wellbeing." (Blaschke et. al, 2019). The report analysed the provision of public green space in central Wellington City in relation to current and projected future population levels. Key conclusions that came out of this were:
 - "a relatively low and declining amount and accessibility of green space in the central city." The report identified that there is a deficit of green space both for the existing population, and the future population of the central city which is expected to grow from 18,000 to 36,000 over the next 30 years.
 - Green space amount per capita in central Wellington City declines substantially by half on average - when not increased in relation to the projected population growth by 2043.
 - Increasing the total amount, accessibility and quality of green space in the central city
 will need to be achieved in order to accommodate future population growth and fulfil a
 vision of "central city green spaces that enhance community and ecosystem health".
- 16. The Green Network Plan defines what greening means in a Wellington context, sets the strategy and together with the implementation framework will lay out a plan for how we address the exsiting deficit and provide for future growth in the Central City by setting targets for delivery in the next 30 years..
- 17. The green network plan is an integral part of the review of the Council's Open Space and Recreation Strategy (Our Capital Spaces) that is due to commence this financial year (21/22), which addresses more widely the vision for open space provision and greening across the whole city.

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¹ P58 Blaschke et. al

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18. The Green network plan also interlinks with the sustainable food network which will be discussed at the Social, Cultural and Economic Committee on 2 December 2021. This will be considered in the development of the implementation framework for the Green Network Plan.

Kōrerorero

Discussion

- 19. The World Health Organisation (WHO) is clear that: "Urban green space is a necessary component for delivering healthy, sustainable and liveable cities."
- 20. The WHO also identifies that one in four people will experience a mental health problem in their lives. The environment in which people live is influential to their well being. There is now evidence of the importance of green environments in supporting human wellbeing and mental health this is a relatively new area of study and there is increasing interest in how the design of cities can be restorative and increase (or decrese) well being of our people as well as our natural environment.
- 21. The draft GNP sets the direction for how we green Wellington's central city in the next 30 years to address the current deficit and provide for growth. It will help address the climate and ecological emergency declared in 2019. It makes a case for more green spaces and plants in the central city and identifies:
 - what is a green network plan,
 - the benefits,
 - the current state of greening in the central city,
 - objectives to focus key areas of action,
 - typologies and mechanisms for greening,
 - the proposal around a continuum of diverse green spaces,
 - a set of targets and
 - an implementation proposal for delivery.
- 22. The objectives are:
 - Treasure and protect what is important
 - Celebrate the value of green with partners to deliver green outcomes
 - Grow public green spaces and networks
 - Manage what we create and what we already have really well
- 23. A Green Network Plan Implementation Framework (GNPIF) will be developed to set funding and partnering options, programmes of work, actions and targets over 30 years. Targets will be set to direct:
 - a. Protection of existing green elements
 - b. Planting of more trees
 - c. Enhancing and greening existing public spaces
 - d. Developing new parks
- 24. These targets will focus on both the quantity of trees and spaces and the quality of public green spaces. Upgrading and better connecting the existing green open spaces will allow for a greater diversity of use, and support the existing users and residents in the central city. The new green public spaces will support the projected population growth. These targets will be incorperated into the final GNP.
- 25. The GNPIF will consist of actions that are central to achieving the GNP objectives, and targets. The actions will include:

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- Strategic and policy initiatives required to protect and embed green thinking into projects
- On-the-ground project-related and operational activities required to treasure, celebrate, grow and manage green initiatives
- Relationship management to foster greening partnership, collaboration and efficiencies within Council and with external stakeholders
- Advocacy and show casing to promote greening, its benefits and related behaviour change
- Clarity around ownership of implementing the GNP and resourcing to monitor and deliver outcomes.
- 26. The GNPIF will make explicit the actions that are already funded fully or in part and those that will require expanded or new funding and timeframes will be referenced as part of the next Annual Plan and Long Term Plan.
- 27. Council approved on 4 March 2021 with the adoption of the draft LTP for consultation the addition of \$30 million in years 11-30 for the acquisition and development of central city parks and to enable more street tree planting and parks in the Central City to support population growth. In years 4-6 of the LTP there is \$7.5 Million assigned for purchase and development of one central city park.
- 28. Indicative broad estimates of investment and options will also be included to inform decisions around target-setting and timing. Funding options will be better connected to development contributions. The GNPIF will be a living document, which will be regularly reviewed and updated in the light of changing context. For example, as LGWM work rolls out, the priorities for street tree planting might change.
- 29. The implementation of the GNP will be partly funded out of existing work programmes. for example the build back better programme.
- 30. Another example, the Transitional Cycling Programme which is looking at interim bike network solutions, will deliver temporary tactical urbanism techniques that will have greening elements. Through the Streets for People Programme, permanent designs will incorporate street trees and WSUD opportunities where appropriate.
- 31. The GNPIF which will be brought to Pūroro Āmua Planning and Environment Committee in early 2022. The purpose of getting Committee agreement to the GNP, is to give officers a direction in developing the GNPIF.
- 32. Work has started on identifying new spaces for parks in the Central City.

Kōwhiringa

Options

- 33. Agree to all or some of the recommendations.
- 34. Request further work be done on the GNP. This will delay the development of the GNPIF.
- 35. Not approve the GNP.

Whai whakaaro ki ngā whakataunga

Considerations for decision-making

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Alignment with Council's strategies and policies

36. The GNP was identified as an action out of the draft spatial plan to "develop a Green Network Plan for the Central City and investigate opportunities to expand the green network beyond the central city to establish forests to sequester carbon." It will support, influence, and help implement strategies and policies including the key drivers behind Planning for Growth, The Spatial Plan, Te Atakura, Our Capital Spaces (Open Space and Recreation Strategy), Our Natural Capital (Biodiversity Strategy) and Let's Get Wellington Moving. The GNP will do so by supporting the transition towards a higher-density, compact, liveable central city by ensuring residents will enjoy the benefits of nature close by. Wellington's biodiversity will be protected, and resilience enhanced within a healthy green network.

Engagement and Consultation

- 37. Part 6 of the Local Government Act 2002 applies to the decision to adopt the greennetwork plan. This essentially requires that local government decisions have identified the objective, considered reasonably practicable options, and considered effected persons views.
- 38. The plan arose out of the Council's engagement on the spatial plan, where the resounding community view was that the city should be greener. The plan provides the strategy for achieving this and will identify targets to assist in monitoring its implementation. The strategy is intended to be a relevant consideration for subsequent decisions on the shape of the city, such as transport investment and urban development decisions by the Council or planning decisions under the RMA. Aspects of the plan are unfunded, and this will require Council decisions to allocate funding through those processes.
- 39. In considering the extent of compliance with Part 6 of the LGA 2002 required for adopting the Green-network it is important to identify the effect of the decision, which is simply the creation of a relevant consideration to assist in achieving the community's objective of greening the city. The plan on its own does not alter rights, or obligations and will simply inform subsequent processes. These processes will ensure that people effected by the implementation of the objective to green the city will be able to provide meaningful input into the specific decision.
- 40. Therefore, there is no need to further engage on the plan because it is simply a strategy for implementing community views. Downstream processes will ensure that meaningful community engagement occurs at the time the strategy is being implemented.

Implications for Māori

- 41. The GNP arose out of the Council's engagement on the spatial plan which included partnership with mana whenua. The resounding view of residents, including mana whenua, was that the city should be greener. The GNP is part of an action plan by Council to deliver what the community have already communicated through previous engagement.
- 42. Ahead of the committee meeting the draft GNP has been presented at a hui with Taranaki Whānui on the 20th of September 2021, and Ngāti Toa on the 23rd of September 2021. These hui supported the intent of the GNP.

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- 43. Future engagement with mana whenua will occur through the development of the GNPIF. Opportunities and iwi partnership will also occur through subsequent funding bids of the individual projects level.
- 44. Working with Mana whenua partnership is integral to the Treasure objective.
- 45. It is proposed to identify a te reo Māori name for the GNP.

Financial implications

- 46. The draft GNP has no finical implications.
- 47. The GNPIF will outline key initiatives and their financial implications.

Legal considerations

48. N/A

Risks and mitigations

49. The GNPIF will provide the detail, and therefore identify risk and mitigation.

Disability and accessibility impact

- 50. Planning for a growing central city is also good opportunity to take note and address our accessibility issues. All individuals should be able to share in all facets of the central city including the enjoyment of our green spaces.
- 51. "Wellington is a city where many people want to live. We want to welcome everyone and ensure the city's attractions are available to everyone. With steep hills and narrow streets, it's not the easiest place to get around, and it is even more challenging for those with mobility issues, whether due to disability, age or having young children in prams and pushchairs." (Accessible Wellington Action Plan 2019)
- 52. Including frequent opportunities to experience green (be it park spaces, town belt, harbour, or a high-quality streetscape) is critical to the success of a genuinely inclusive city. Implementation of the green network plan will be one of the many ways of supporting council's goal of an inclusive + connected central city.

Climate Change impact and considerations

- 53. The Green Network Plan contributes positively to Wellington's zero carbon goal one of the main objectives in the plan is to increase the tree canopy coverage of the central city. Trees absorb C02. While trees, rain gardens and wetlands absorb/filter rainfall and slow stormwater flow. Trees and other vegetation moderate summer temperatures.
- 54. We have engaged with the Climate Change Reponse team on a number of occasions and the draft has been sent to their team for review and feedback. The Green Network Plan has been confirmed by the Climate Change Response team to fit within the overall climate action communications direction and principles.

Communications Plan

55. A media release will be prepared.

Absolutely Positively **Wellington** City Council
Me Heke Ki Pōneke

Health and Safety Impact considered

56. N/A

Ngā mahinga e whai ake nei

Next actions

- 57. The following work is proposed:
 - Identify a te reo Māori name for the plan
 - Engage with stakeholders and develop the GNPIF to bring back to Committee in early 2022.
 - Set up a web link to for public accessibility of the GNP and supporting information

Attachments

Attachment 1. Draft Green Network Plan

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Planning for Growth

Absolutely Positively Wellington City Council

Wellington Central City

Green Network Plan

Ko te hiahia kia piripono kia Papatūānuku We want nature to be a part of our lives.

Draft 27.10.2021



Parks Week Pop Up Forest in Bond Street

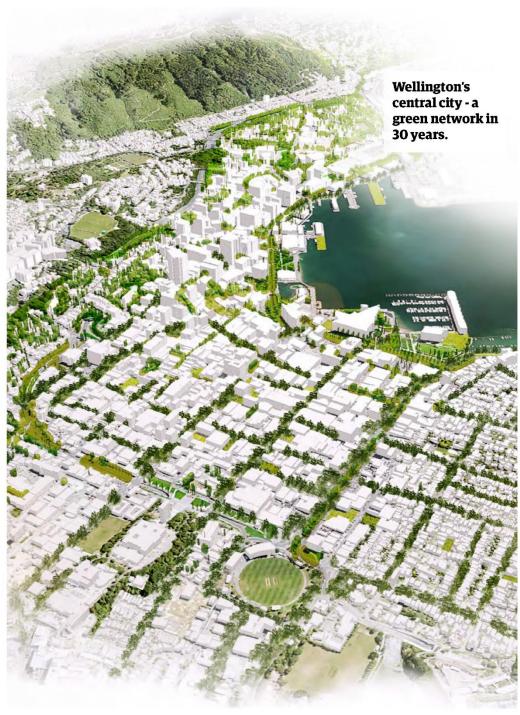
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PŪRORO ĀMUA - PLANNING AND ENVIRONMENT COMMITTEE 27 OCTOBER 2021

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Impression of a greener central city by Studio Pacific Architecture

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PŪRORO ĀMUA - PLANNING AND ENVIRONMENT COMMITTEE 27 OCTOBER 2021

Me Heke Ki Põneke

The Green Network Plan sets the direction and targets for how we green Wellington's central city in the next 30 years to address the current deficit, provide for growth and to address the climate and ecological emergency declared in 2019.

The central city is dominated by buildings, large areas of asphalt and paving. Streets are vehicle dominated, with large areas of car parking. The original vegetation has gone, the streams only exist in pipes. This has resulted in a deficit of green space in the central city for current users and residents. There is a need to further green the central city.

As Wellington changes and grows, with greater numbers of people visiting and living in the central city, there is a need to further treasure, celebrate, grow and manage the green network, with support from the blue network.

A diversity of green spaces, trees and plants that can be accessed and viewed is critical to people's wellbeing. Plants play a crucial role in sustaining a healthy environment and mitigating climate change.

Green and blue elements should be part of all development whether it is new infrastructure, transport and/or a building project. There is need to ensure the city continues to build on its liveability and 'eco-credentials'.

A network of green spaces, trees and planting in the central city will contribute to Wellington's aspirations for social, economic, cultural and environmental wellbeing and have benefits at different scales.

Global:



Climate change mitigation and adaptation.

Citv:



A beautiful and connected central city.

People:



Individual health and wellbeing.

5

Central City Layers

The Green Network Parks, trees & planting connecting the city The Blue Network The streams & harbour

6

The Built Environment

The buildings, structures & hard surfaces

The green network is the plants – the trees, shrubs, gardens and grass that 'green' and connect the city. These green elements can occur in all sorts of places, in both public and private ownership. These places include streets, parks, plazas, laneways, carparks, community gardens, roofs and even walls of buildings.

What is the Blue Network?

The blue network supports the green network and is the system that captures water, it consists of ground water, streams, waterways, wetlands and pipes. It is symbiotic with the green network as plants need water to survive and thrive. The management of stormwater and the quality of water is critical. Permeable surfaces (unpaved) allow rain to drain naturally into the ground. In conjunction with water sensitive urban design (WSUD) alternatives, these are alternatives to piping water.

What is the Green Network Plan?

This Plan proposes a well-developed continuum of green spaces to deliver the many ecological, social, economic, cultural and public health benefits to the central city, enhancing its liveability for existing residents, workers and visitors and also the growing numbers of new residents.

To optimise the benefits, the green network needs to be:

- well distributed and highly interconnected across the central city (spatial)
- · of adequate area (quantitative)
- of suitable quality (qualitative) in public and private ownership.

This Plan builds on the current status of 'green' in the central city, and proposes that investment and change is required to meet future demand. The distribution, quantity and quality of what exists, what is needed and where the opportunities are for improvement are all considered.

Delivering the green network will require:

- increased and ongoing investment to treasure, celebrate, grow and manage the city's plant life
- adequate protection and provision of public open space where significant parts of the green network should be located
- collaborating with other landowners to allow the green network to spread and flourish right across the city.

This document is non-statutory. It is intended to be used to direct green network investment and prioritisation, which will be done through the Green Network Plan Implementation Framework.

7

Vision

Thinking and living green in Wellington's central city, is the future for the planet and all of us.

This will lead to a thriving green capital city framed by the harbour and hills, composed of interconnected and cohesive neighbourhoods that support people to lead healthy

Why

"Urbanisation and climate change call for new solutions to maintain and improve the quality of life in our cities. Public green space has a positive effect on biodiversity, climate, wellness and air quality (Green Cities)."

Objectives

A multi-pronged approach that works at different levels is mandated to be delivered through the following objectives.



TREASURE and protect what is important



the value of green with partners



GROW the number trees and public green



MANAGEwhat we create and
what we already have
really well

This will be done through a continuum of green spaces including:

Parklets
 Urban
 Parks
 Streets
 Private Spaces
 Private
 Green roofs
 Spaces
 Green walls

Which contain green elements:

Trees Shrubs Gardens Grass

All supported by blue network elements which are often delivered through water sensitive urban design (WSUD).

8

Parks

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Targets

The Green Network Plan – Implementation Framework (early 2022) will confirm a series of targets for delivery over 30 years, which will be supported by a series of actions. These will address both the existing green spaces and parks as well as directing new green spaces to provide for the projected residential population growth from 18,000 to 36,000 in 30 years.

Our targets are (to come):



Protecting existing green elements



Planting more trees



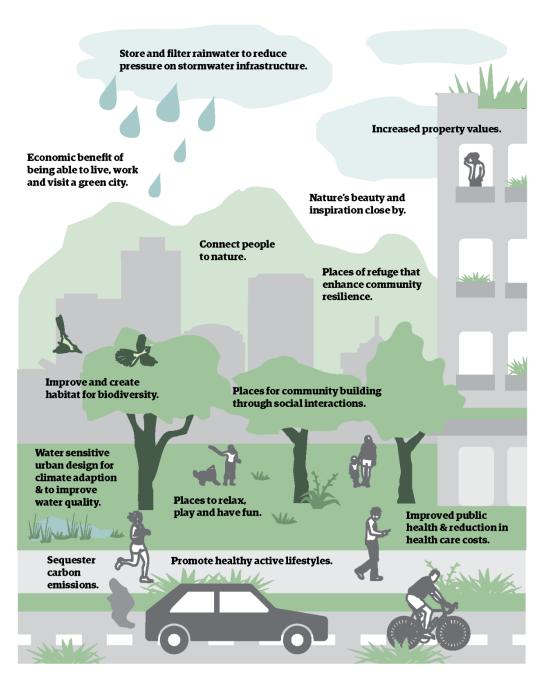
Enhancing and greening existing public spaces



Developing sites into new parks

9

The Benefits



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"Urban green space is a necessary component for delivering healthy, sustainable and liveable cities (The World Health Organisation 2017)."

Benefits of a green network

It is recognised that daily contact with nature is fundamental to good urban living. There is an ethical responsibility to conserve nature in the city as part of the shared global habitat for all life. Nature can be woven through cities in many ways – from wild biodiversity in large open spaces to gardens and individual trees in largely built areas, such as the central city. Research shows that plentiful green elements in urban environments bring many benefits to a good quality of life for residents and a healthy environment. Wellington is one of the founding cities in the Biophilic Cities Network.



Nature's services

Nature provides 'ecosystem services' that are fundamental to health, wellbeing and survival. Ecosystem services include the provision of air, water, fertile soils, nutrient recycling and energy all to support plants. Ecosystem services can also help mitigate against climate change. Trees, for instance, help offset emissions by storing carbon, regulate runoff during heavy rain and reduce the summer 'heat sink' effect by shading heat-absorbing built surfaces. They help reduce the impact of some of the unwanted outcomes of urban development. For example, air pollution.

Green and built elements need to be interwoven to ensure the benefits of both are realised.



People's health and wellbeing

Many of the mental and physical health and wellbeing benefits we derive from urban open spaces are provided by nature, either directly or indirectly.

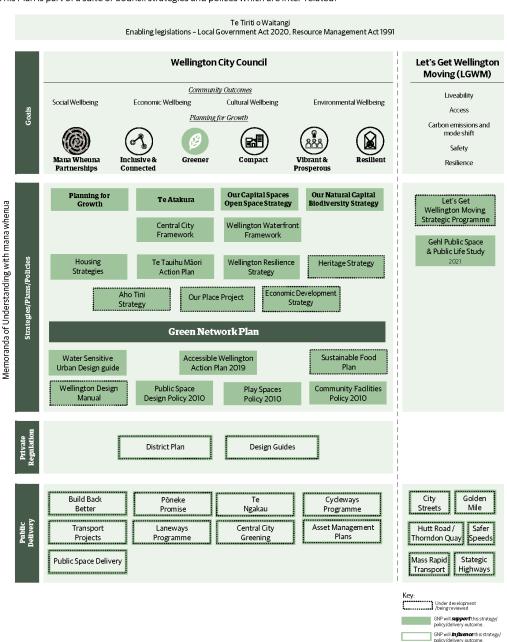
People tend to be more active in green spaces and this is linked to improved physical health, such as reduced diabetes, cardiovascular disease and mortality. Experience of nature in open spaces also correlates with improved mental health and creative thinking, and reduced anxiety and stress. Time in a green place provides an opportunity to have a break from intense periods of focused attention in indoor environments and recharge. Nature is often a source of new ideas.

The social interactions that occur in public green spaces can also help people connect socially, with improved sense of belonging and well-being. Collectively, these individual benefits bring wider public health and social benefits, such as reducing costs on our health systems and helping bring communities together.

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The Context

This Plan is part of a suite of Council strategies and polices which are inter-related.



The hierarchy of overarching city goals and major strategies, policies and bylaws that the Green Network Plan will support or influence.

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The following strategies, plans and studies all direct the development of the Plan:

The Central City Framework 2010

"Make our streets green – Wellington's streets will become greener and more attractive through a combination of planting, new and upgraded inner-city parks and intiatives such as 'stream streets' and wetlands in our city open spaces." "The development of a legible green network of spaces and links. This will include vegetation and systems both within public spaces such as streets and parks and also look at how private development can play a role."

The Wellington Waterfront Framework 2001

The Framework directs the management of the Waterfront. It proposes two large green parks – Waitangi Park and Frank Kitts Park. Key principles include:

"Ecological values of the waterfront will be maintained, bearing in mind that this is a highly modified environment.

There will be a variety of open spaces – some green, some sheltered and some paved."

Our City Tomorrow: Spatial Plan for Wellington City 2021

"Action 3.33 - Develop a Green Network Plan for the Central City and investigate opportunities to expand the green network beyond the central city to establish forests to sequester carbon"

Te Atakura - First to Zero

Move 1: Support the transition towards higherdensity development by ensuring residents will still derive the benefits of being close to nature within a compact city.

Move 7: Protect and enhance the domain of Tane by integrating an increased green network across the central city, with its biodiversity and ecosystem services (including carbon sequestration and investing in green infrastructure to help.

Wellington 2021 Public Space Public Life Study - Gehl Architects

The first of 4 key moves promotes "green and blue -working with the unique natural assets

and amenities -can make Wellington an even greener, resilient and more sustainable city."

Our Capital Spaces, open space and recreation strategy for Wellington

The four outcomes of the strategy are: (i) getting everyone active and healthy: (ii) protecting our birds, nature, streams and landscapes; (iii) contributing to Wellington's outstanding quality of life; and (iv) doing it together.

Our Natural Capital 2015

Wellington's indigenous biodiversity strategy and action plan aims to protect and restore indigenous biodiversity, connect people to nature and foster their sense of kaitiakitanga – weaving nature through the city.

Contribute to Objective 3.1.1 to ensure all Wellingtonians encounter nature on a daily basis; specifically through actions (a), (c) and (g) to increase native planting, increase the number of large trees and install green roofs and walls in the central city.

Green Space in Wellington's Central City - Blaschke et al 2019

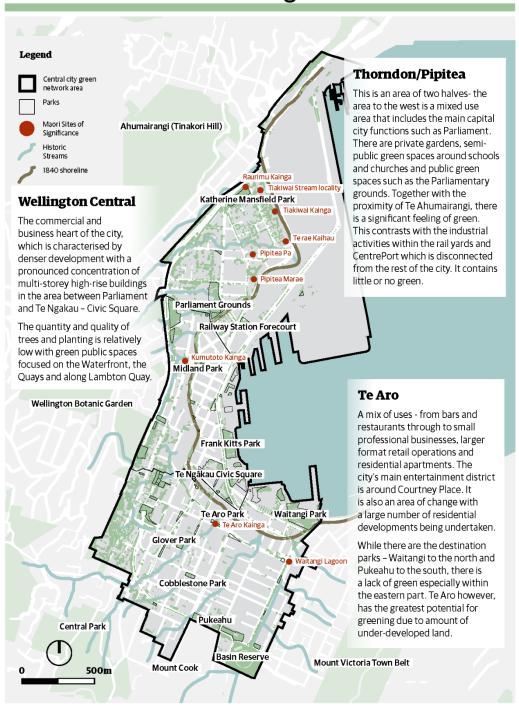
The report analysed the provision of public green space in central Wellington City in relation to current and projected future population levels. Key conclusions that came out of this were:

"Green space amount per capita in central Wellington City declines substantially - by half on average - when projected population growth to 2043 is considered."

Increasing the total amount, accessibility and quality of green space in the central city will need to be achieved in order to accommodate future population growth and fulfil a vision of "central city green spaces that enhance community and ecosystem health."

13

The Current Status of Greening



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Opportunities

Wellington's central city setting is by world standards – beautiful. The beauty and character is derived from its landscape setting. The central city is part of a layered amphitheatre; the containment of steep bush clad hills, giving way to residential suburbs, the central city and the waterfront. These all face out to Te Whanganui-a-Tara, the harbour.

The indigenous vegetation and the old streams add to the story. The history of places, the pa sites of tangata whenua and their food gathering areas are part of this whenua.

The adjacent Town Belt, the subdivision of sections, the reclamations and dense urban form, tells the story of European settlement. The current parks and planting – both exotic and native – are an important starting point towards regreening the central city.

As the capital city, Wellington incorporates national institutions and associated significant public spaces such as those associated with Parliament, Te Papa and Pukeahu.

These are stories of this place, and its people. They can be used to enhance the identity.

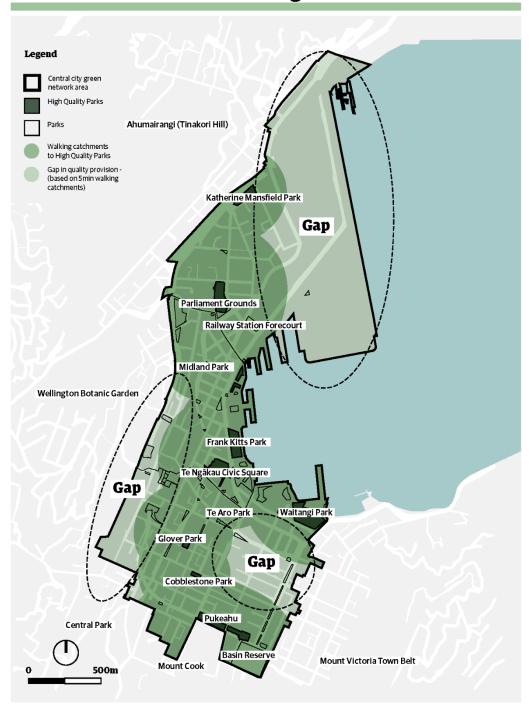
At a wider city scale Wellington does have substantial and a varied amount of green space.

The natural landscape is something valued. "We are a 'Natural Capital' due to our natural environment and our nature-driven attractions. It is part of what makes us the 'coolest little capital in the world.' It is an important part of what makes people want to live and work here and helps to attract visitors (Our Natural Capital 2015)."

Images (top left to bottom right): View from Mount Victoria; Watangi Park; Pukeahu.

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The Current Status of Greening: Public Parks Distribution



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The total central city is 444.5ha. Just over 9% or 41.25ha can be considered as green spaces.

These green spaces are made up of:

- · 43% public parks
- · 24% road reserves
- · 33% privately owned

The central city is car focused, with approximately 11% of the central city dedicated to car parking/parking lots (note this does not include on-street parking or roads/streets).

The central city has a deficit of green space for the current residents, workers and visitors. This will be further exacerbated by the population growth which is projected to double from 18,000 to 36,000 over 30 years.

Central city living means more public green spaces are needed for people to use in a wide variety of ways – in addition to the 'wilder' hilltop parks of the nearby Wellington Town Belt. People thrive in cities where greening (in all it's forms) is part of the urban fabric. Space needs to be deliberately allocated for this purpose.

Climate change and natural disasters bring a vulnerability; storms, flooding, earthquake induced liquefaction, tsunami and plant disease all need to be considered.

The central city has a fragmented green space network with minimal cohesion and limited areas of ecological focus. There are significant gaps within the open space catchment, especially through Pipitea and Te Aro. There is also a significant lack of street tree planting which hinders greater connectivity between green parks, the Town Belt, Wellington Botanic Garden ki Paekākā and the Waterfront.

Current green spaces are of mixed quality and need to support a more diverse range of uses and ecological needs. Currently there is minimal tree protection for central city trees.

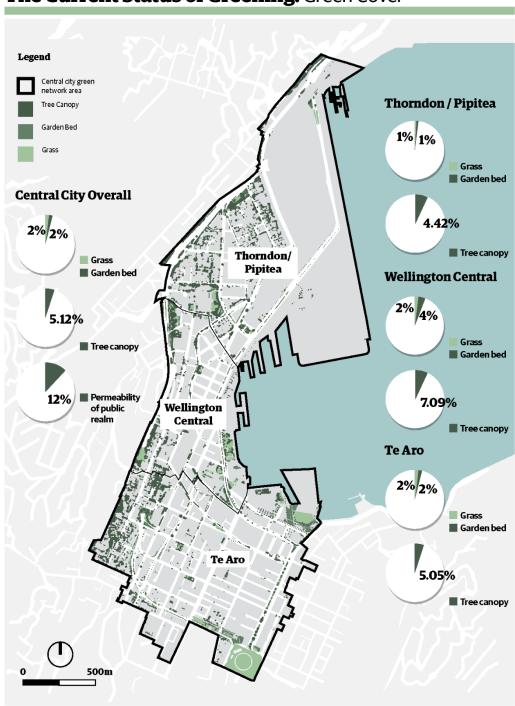
There are few incentives or requirements for private development contributions to the city's green network.

Due to the topography and the prominence of the Town Belt, there can be a skewed perception of how green the central city is.

Images (top left to bottom right): Wellington Motorway, Wellington Central City Apartment Dwellers; Wellington Central City Population.

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The Current Status of Greening: Green Cover



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Green Cover

Grass Cover

Half the public green space is grassed/ lawn. This creates a relatively mono-culture environment that limits habitat opportunities and overall biodiversity. However it does provide for a range of multiple uses.

Permeable Surfaces

The large area of hard paving and buildings in the central city causes flooding in extreme events when the stormwater system cannot cope. Surface runoff can be reduced if more surfaces can absorb water – permeable surfaces. Permeable surfaces are the grass, gardens and permeable paving. Given that 88% of public space is impervious, there are minimal benefits from ecosystem services.

Tree Canopy

Tree canopy cover is a well utilised global measure, that can be assessed over time. It is the proportion of a fixed area of the ground covered by tree crowns. The canopy cover will be determined by the tree species, as each species has different crown sizes, shapes, and heights. Trees support water retention, habitat and provide amenity for people.

In terms of tree canopy, Wellington's central city does not measure well against other cities:

City	City Wide	Central City
Wellington	30.6%	5.12%
Auckland	18%	19%
Christchurch	15.6%	17.05%
Sydney	18%	14.5%
Melbourne	16.2%	11%
London	21.9%	18%

Images top left to bottom right: Cordyline australis (NZ Cabbage Tree) planted in Civic Square: Hebe speciosa a flowring native shrub species; Lawn found at Civic Square.

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The Plan: Objectives



TREASURE

and protect what is important

There is a need to:

Build on the essence of Te Whanganui-a-Tara by understanding the original topography and vegetation cover, the stories of settlement and their respective plantings as part of those settlements.

Engage with mana whenua to identify, protect and explore opportunities around green/blue sites of cultural significance and restore appropriate flora and fauna to the central city.

Protect existing trees and public green spaces in the central city ensuring no net loss and grow over time.

Investigate supporting blue network elements for interpretation and using planting through WSUD initiatives.

Use a diversity of plant species to allow for different character in different neighbourhoods and enable plants to be selected to suit varying needs and site conditions. There is a need to consider the 'right tree for the right location'.

Identify the existing spaces and parks to become either a parklet, urban park or a destination park.



CELEBRATE

the value of green with partners

There is a need to:

Think and live 'green', as it is intrinsic to our global natural habitat and survival. There is a need to change behaviour.

Work in partnership with the people and agencies who live, work, own and manage property in the central city. These include Central Government, LGWM, schools/universities and property owners and developers.

Establish a Green Network champion network both internal and external to Council to advocate green/blue thinking.

Educate and support teaching programmes, for example how to set up gardens – grow plants/food and communal composting.

Provide interpretation and public art - identify opportunities in green spaces for interpretation: mana whenua – eg Rongoa Māori; heritage significance and / or explaining infrastructure systems – eg Waitangi Park WSUD and the value of parks, trees and plants.

Look to develop best practice guides to direct delivery of greening initiatives with partners.

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GROW

more trees and public green spaces

There is a need to:

To deliver a continuum of diverse green spaces.

Build on opportunities. Assess new green space opportunities of a variety of sizes to support a mix of active and passive uses.

Invest in further greening in Council owned assets, to maximise value for the environment, the city and people.

Change streets from just movement corridors to places – 'living streets' for people to enjoy. Always look to the opportunity for planting trees in the streets.

Prioritise locating new green parks in neighbourhoods where there are gaps and/or future growth is anticipated.

Improve accessibility for all to be able to experience green.

Grow the opportunity of green walls and roofs, develop options for community gardens and compost hubs.

Explore green finger opportunities from hills and harbour into the central city.

Integrate avenues of trees into existing work programmes such as LGWM projects.

Integrate WSUD initiatives into a wider network.

Develop a plan(policy) to deliver parklets.

Promote permeable surfaces to better manage surface water runoff.



MANAGE

what we create and what we already have really well

There is a need to:

Actively manage and maintain the trees and green spaces to retain their high quality.

Provide for the best growing conditions. This starts with a robust design process, construction/planting and ongoing care.

Set up appropriate asset management plans and appropriate funding as part of the AP and LTP processes.

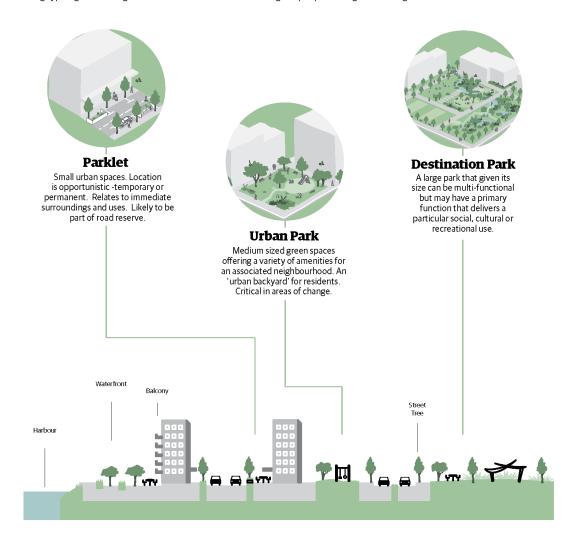
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The Plan: Continuum of diverse green spaces

In 30 years the population will double with more people in higher density living. This density needs to be done well which includes accessing and being able to view greenery.

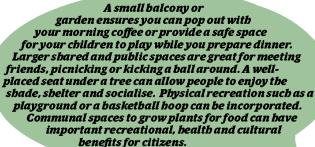
This plan directs a continuum of public and private green and open spaces to provide for a diversity of uses. Public parks are important as they are accessible to all and can be of sufficient area to provide multiple community and environmental benefits, and provide a green character in a neighbourhood. The open spaces where green and blue elements can flourish, are not just confined to public parks. The street network and private land also hold potential for more green elements.

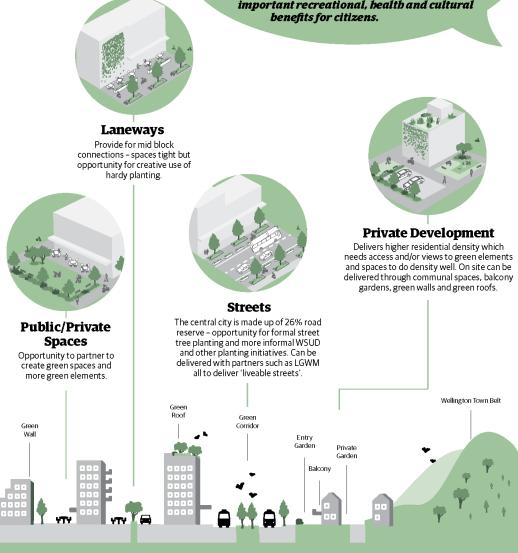
The quality and diversity of greening is critical to allow people to enjoy green spaces that are safe and attractive while providing for good access and amenities. Enabling the right balance of green and open spaces is vital to support a variety of housing typologies and neighbourhoods to cater for a broad range of people throughout all stages of their lives.



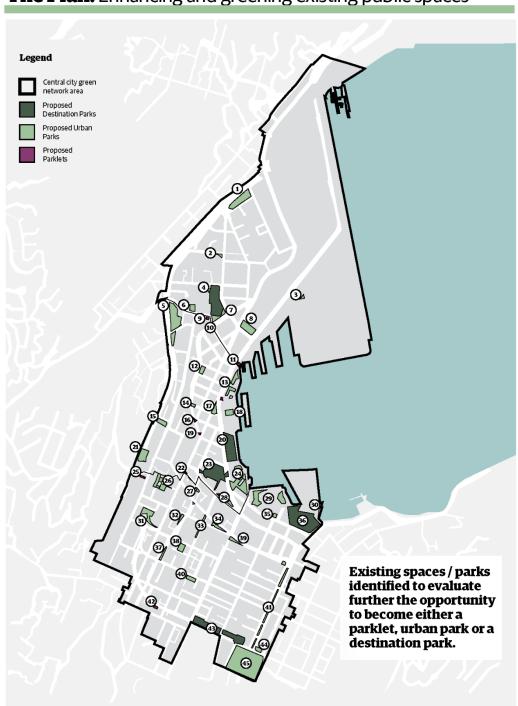
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The Plan: Enhancing and greening existing public spaces



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Me Heke Ki Põneke

	Spaces	Proposed
		Type
1	Katherine Mansfield Memorial Park	Urban Park
2	Magyar Millennium Park	Urban Park
3	CentrePort Park	Urban Park
4	NZ Parliament Grounds	Destination Park
5	Bolton Street Cemetery	Urban Park
6	Bolger Park	Urban Park
7	Waititi Landing (ANZAC Corner)	Urban Park
8	Railway Station Forecourt	Urban Park
9	Alexander Turnbull House Lawn	Parklet
10	The Cenotaph - War Memorial Reserve	Urban Park

11 Whitmore Plaza Parklet
12 Midland Park Urban Park
13 Kumutoto Park Urban Park
14 Grey Street Pocket Square Urban Park
15 Everton Terrace Park Urban Park
16 Lambton/Featherston/Hunter Plaza Spaces

17 Post Office Square Urban Park
 18 Queens Wharf Open Spaces Urban Park
 19 Old Bank Plaza Parklet
 20 Frank Kitts Park Destination Park
 21 Terrace Tunnel Park - North Urban Park

22 Bond Street Parklet
 23 Civic Square Destination Park
 24 Taranaki St Wharf/Lagoon Area Urban Park
 25 Mount Street Parklet

Urban Park

27 Denton Park
 28 Michael Fowler Centre Carpark
 29 Te Papa Perimetre Open Spaces
 30 Clyde Quay Park
 Urban Park
 Urban Park

26 Flagstaff Hill / Terrace Gardens

11 Terrace Tunnel Park - South Urban Park
12 Volunteer Corner Urban Park
13 Cuba Mall Urban Park
14 Te Aro Park Urban Park
15 Wakefield Street Park Urban Park
16 Waitangi Park Destination Park

Wakeled Steet Falk
 Wakeled Steet Falk
 Wakeled Steet Falk
 Destination
 Urban Park
 Urban Park
 Urban Park
 Urban Park
 Urban Park

 40
 Cobblestone Park
 Urban Park

 41
 Cambridge / Kent Terrace Median
 Urban Park

42 Karo Drive Sculpture Park
 43 Pukeahu National War Memorial Destination Park Park

44 87 Kent Terrace Urban Park
45 Basin Reserve Urban Park



Parklet

Size: <200m2

Catchment: as opportunities arise
New parklets delivered through re-allocation
of street or other smaller spaces.



Urban Park

Size: 200m2 – 3,000m2 Catchment: about a 5min walk New urban parks delivered through strategic land aquisition.



Destination Park

Size: Large, multi-functional park space Catchment: about a 15min walk



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The Plan: Delivery





Images (top to bottom): Planting; Parks Week Pop Up Forest in Bond Street

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"The overarching recommendation is to plan for, and adequately resource an increased amount, accessibility, and quality of green space in the central city, in order to provide for the health, wellbeing, amenity, and ecosystem benefits required by the likely significantly larger future population of the central city (Blaschke et al 2019)".

The delivery occurs through the Green Network Plan-Implementation Framework.

The Green Network Plan and the Impementation Framework will

- direct strategic and policy initiatives required to protect and embed green thinking into projects.
- engage with operational projects and activites required to treasure, celebrate, grow and manage green initiatives.
- co-ordinate relationship management to foster greening partnerships, collaboration and efficiencies within Council and with external stakeholders.
- direct advocacy to promote greening, its benefits and related behaviour change.

It will be done by setting targets, actions and measurables. The actions are central to achieving the vision and objectives.

The Framework is a living document, which will be regularly reviewed and updated in the light of the changing context and:

 will provide clarity around ownership of the Plan and resourcing to monitor and deliver outcomes

- indicate broad estimates of investment making explicit the actions that are fully or partly funded, those that will require new funding and referenced as part of the Annual Plan and Long Term Plan rounds.
- will better connect greening outcomes to funding cycles including Development Contribution Policy. The Council will manage the green network as a key part of the central city's infrastructure.

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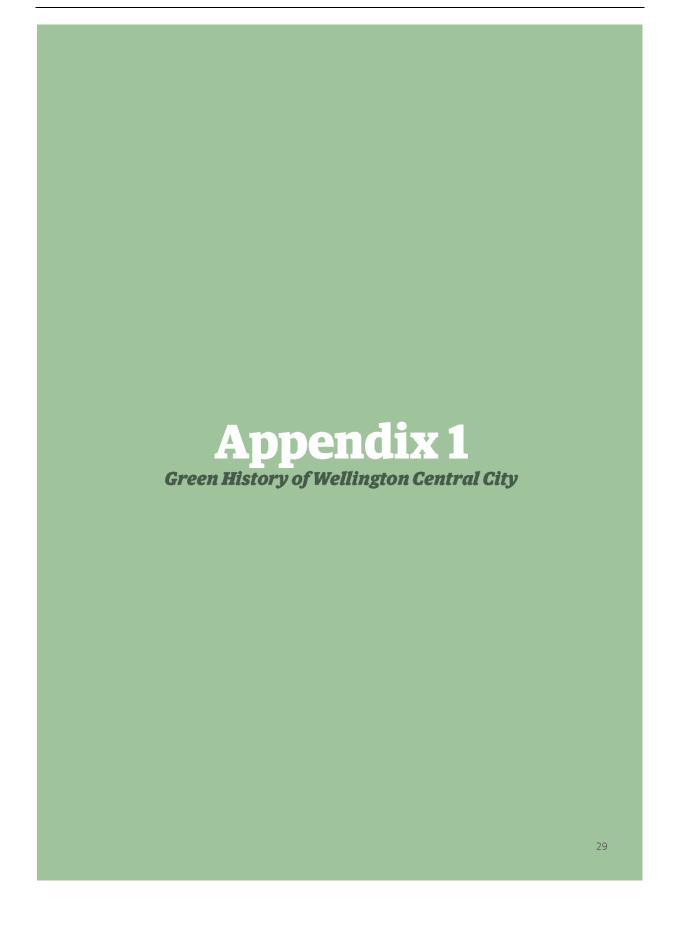
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Absolutely Positively **Wellington** City Council

Me Heke Ki Pōneke

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History of Greening in the Central City



Te Aro Pā looking towards the Hutt River (Alexander 1842-43)

Birdseye view of Port Nicholson (Heaphy 1843)

1500 - 1800

1820s

1839

Prior to Maori settlement much of the shores of Te Whanganui a Tara were covered by bush iwi settled on the shore of the harbour and land was cleared. Taranaki iwi expanded into the central Wellington area. This saw Pipitea Pā, Kumutoto Kainga and Te Aro Kaiaanga/Pā further developed and expanded.

Pipitea Pa had areas of cultivation extending along Hobson Street to the base of Te Ahumairangi Hill.

Kumutoto Kāinga situated above the mouth of Kumutoto Stream. It was known as a flax collecting area and boat landing site.

Te Aro Kainga/Pā was the largest pa in the Wellington region. Cultivation extended to Buckle Street and up the Brooklyn Hill. Other food sources were Waitangi Lagoon – on the eastern side of Te Aro, the surrounding bush and the harbour itself.

The artist Charles Heaphy described the future central city site as a place covered with high ferns and tupakihi tutu, rush, flax and much of the land was impassable swamp. The area that is now the Basin Reserve was 'morass' with an outlet to the sea. The Terrace was timbered with high manuka and Thorndon was fern covered.



NZI Street Parade Civic Square

Pukeahu National War Memorial Park

2014 1990s - early 2000s

1992

1991

Pukeahu National War Memorial Park opens as a place to remember and reflect on New Zealand's experience of war, military conflict and peacekeeping and provides for a sense of national identity.

The waterfront evolved, the area around Taranaki Street wharf was followed by Waitangi Park, the largest public park in the central city. The public were very engaged in this project which integrates Wellington's coastal ecosystems, environmental infrastructure and cultural and historic overlays, with spaces for various activities and uses. Further open space development on the waterfront followed; the area around the Wharewaka and Whairepo Lagoon and further north, the area around the mouth of Kumutoto Stream.

Pidgeon Park was renamed Te Aro Park with a redesign led by Shona Rapira Davis which recognises the significance of the site due to its relationship to Te Aro Pa and was the first example of continual engagement with mana whenua across a project that highlights a hugely significant story from Te Ao Maori.



Waitangi Park

The new Civic Square (Te Ngakau) opens providing the central city with an important civic space, integrating a number of smaller public spaces around the then Council buildings. The City to Sea bridge links the Square across to the Waterfront.

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Me Heke Ki Põneke



Plan of the town of Wellington (New Zealand Company 1840)



Scene in the Botanical Gardens (Unknown ca 1840)

1840

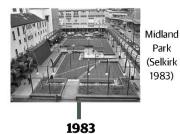
1860s

1869

Given Wellington's steep topography the Mein Smith survey laid out 1100 town acres covering Te Aro, Thorndon and The Terrace. The steep slopes adjacent to the flat areas became the open spaces - now the Town Belt, with limited public open spaces within what is now the central city. Two cemeteries adjacent to the central city were created, the larger Bolton Street Cemetery and the smaller Mount Street Cemetery for those of the Catholic faith.

The bush on the surrounding hills was cleared and burnt, leaving a barren aspect from the harbour. Native bird life was drastically reduced. Reclamation was underway to support the mercantile businesses and port development with minimal thought of parks or public spaces.

The Wellington Botanic Gardens were established, on the forested site that Te Atiawa from Pinitea Pa had used for food cultivation and native plant gathering.



Development along Lambton

Quay (Hinge 1920)

Relatively large scale commercial development occurred in the central city with very little green in Victorian Wellington. Private gardens were described as bare of trees with some kitchen gardens on larger sites.

1970s

1900s

Midland Park was opened. The Council bought the Midland Hotel and had it

demolished. It was to be start of developing a series of public parks in the central city, which never transpired. Both Glover and Cobblestone Parks in Te Aro have further evolved.

Frank Kitts Park opened on the waterfront in 1976 on redundant Harbour Board land, Initially half the current size, it was expanded in the late 1980s in line with plans to open up the waterfront for the public. This started with a Civic Trust run public competition in 1982 for the future of the waterfront.

Park

The start of the urban motorway construction led to hundreds of houses demolished and the bisection of the Bolton Street cemetery with 3693 human remains needing to be reinterned. Katherine Mansfield Park was developed adjacent to the motorway.

1964

Pidgeon Park opened.



Urban Motorway (Whites Aviation 1969)

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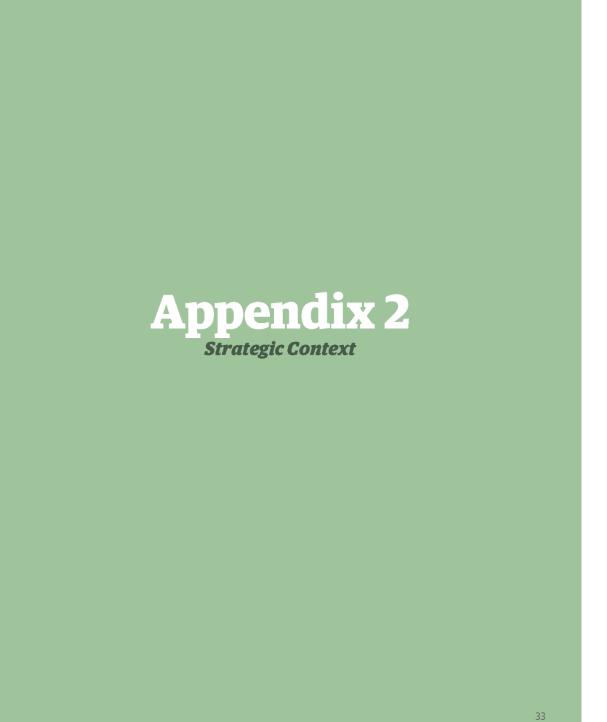
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Our City Tomorrow Alignment

Compact



Wellington builds on its urban form with quality development in the right locations.

The inner-city population will increase with higher density residential accommodation developed in the central city. Research shows people need ready access to green space for their health and wellbeing, so high quality, well-designed green spaces will be a critical factor in supporting the intensification. The green spaces will need to be of various types and be multifunctional to meet the needs of residents, workers and visitors and increase the amount of nature and its useful services in the central

Greener



Wellington is sustainable and its natural environment is protected, enhanced and integrated into the urban environment.

Greening the central city will reintroduce natural processes and connections that help keep our urban environment healthy and

- Healthier environment: Trees and plants improve air quality by capturing airborne particles and water quality by filtering out pollutants.
- More sustainable: Planting, raingardens and wetlands filter pollutants and also store and slowly release stormwater, reducing flood risk. Trees and plants can store carbon and provide food.
- More biodiversity: More green spaces can provide habitat for numerous plant and animal species.
- More liveable: Trees and plants provide shade, shelter and sensory stimulation that helps to make the city pleasant to be in

Vibrant + Prosperous



Wellington builds on its reputation as an economic hub and creative centre of excellence by welcoming and supporting innovation and investing strategically to maintain our thriving economy.

Central city green spaces can support Wellington's economy by enhancing our reputation as a city that is close to nature and stimulating to be in.

- Showcasing sustainable urban design: The green network can visibly show how nature and high-density living can be creatively integrated and reflect Wellington's unique environment.
- Visitor attractions: Green spaces can be attractions in themselves (e.g. Pukeahu National War Memorial Park) and accommodate events and exhibitions based on Wellington's unique history, arts and leisure scene.
- Property value: Studies indicate that properties close to green open space in high density housing areas tend to have higher real estate value.
- Supporting creativity: Green spaces close to where people work provide opportunities for people to take time out during the working day, mentally recharge and derive inspiration from being in the open air and close to natural elements.

Inclusive + Connected



Wellington recognises and fosters its identity by supporting social cohesion and cultural diversity, and has world-class movement systems with attractive and accessible public spaces and streets.

Well-designed central city green spaces can provide important places of connection for all.

- Social gathering: Provided they are designed to feel safe, accessible and shared, green spaces are places where people can freely mix, relax, have fun and build a sense of community. The green elements help to make these spaces pleasant and calming places of respite from the demands of everyday life that supports positive social activity.
- Sense of belonging: The green spaces can be designed to reflect Wellington's unique natural, social and cultural history, which helps build a sense of identity and belonging.

Resilient



Wellington's natural and built environments are healthy and robust, and we build physical and social resilience through good design.

Central city green spaces can help build resilience through:

- Climate change mitigation and adaptation: Trees absorb CO2. Trees, rain gardens and wetlands absorb/filter rainfall and slow stormwater flow. Trees and other vegetation moderate summer temperatures.
- Community building:
 Residents know each other through encounters, activities and events in the green spaces building a sense of belonging and community support.
- Places of refuge: In natural disasters, people seek out green spaces as safe, communal gathering places. In pandemics, people seek out green spaces as safe places for exercise, fresh air and stress relief.
- Improved citizen health: The demand on health services, and costs, are reduced because people's physical and mental health improves through their contact with nature.

Mana Whenua Partnerships



Mana whenua development and landowner interests are recognised in planning and developing our city. Design of our public space is undertaken in collaboration with mana whenua.

The central city green spaces will be co-designed with mana whenua

- Tirohanga o te ao (Māori world view), traditional knowledge of taiao (natural environment) and kaitiakitanga (guardianship) can be embedded and help shape the green network. For example, the alignment and character of green spaces could reflect the original streams
- The cultural landscape of Te Whanganui-a-Tara, including sites of significance, can be recognised and expressed through design and storytelling interpretation.

Our City Tomorrow: Spatial Plan for Wellington City 2021 includes six goals to guide how Wellington city will grow in the future, develop and address key challenges such as population growth, earthquake risk and climate change - while continuing to be a highly liveable city. Implementing the central city green network plan can belp achieve the goals.

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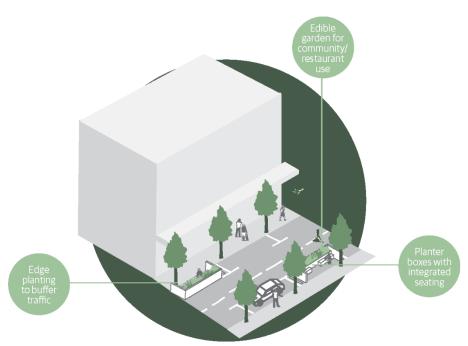
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Appendix 3
Green Space Types & Case Studies



Parklet

These are small urban spaces designed with people, businesses, and the surrounding environment in mind. Parklets can be opportunistic in land acquisition, range from temporary to permanent installations, and encourage community-led activation and use.

Parklets will be mostly delivered through reallocation of street space, shifting its use from car storage to spaces for people.

Size: <200m2

Catchment: as opportunities arise

Green elements:

Due to their size, parklets require efficient methods to increase their greening potential. Strategic placement of planting that uses limited surface area is best for this typology. Every tiny patch of green helps to reinforce the health and connectivity of the wider network.

Greening appropriate to the type includes:

- · Edge planting
- · Green walls
- · Planter boxes
- Small edible gardens for community or restaurant use
- · Small specimen trees

Other amenity considerations relative to type:

- · Seating / tables
- · Play elements
- · Temporary food truck/coffee carts
- · Public art / interpretation
- · Scooter / bicycle parking

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Case Study

Fresh Air Square, London (WMB studio)

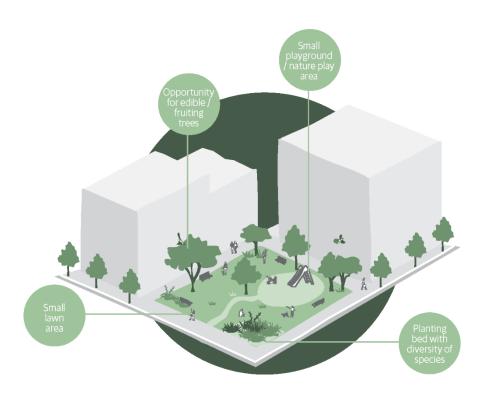
Fresh Air Square is one of a series of parklets that have been installed in London as part of Team London Bridge's fresh Air Squares initiative. The initiative aims to improve local environments, raise awareness of London's pollution, and monitor air quality. The Tooley Street parklet (shown above) was the first one to be installed in November 2015. It was designed to replace two standard car park spaces.

The Fresh Air Square is a colourful modular parklet that can be scaled up or down depending on available space. The installations are temporary but built to promote the need for more permanent green spaces in the city. The parklet features a zigzag bench built using scaffolding boards painted bright red for traffic visibility.

Pockets of greening have been weaved along the roadside edge, creating a buffer from wind exposure and passing traffic. Fresh Air Square is useful as a case study a the design's modularity could be replicated in different locations and configurations

Parklets like these can create small chances for respite, interaction, allow for business activation and alleviate footpath congestion. They can be both temporary and permanent and be peppered throughout a city as opportunities arise.

throughout the city.



Urban Park

An urban park prioritised in areas of change with significant existing or anticipated urban growth. These spaces will provide residents, workers, and visitors to the central city respite from the built environment and the opportunity to connect with nature.

Where residential development is dense, they will offer a social and recreational hub for innercity communities. For individuals or families living in a relatively small central city apartment without a typical suburban backyard, urban parks provide everyday access to a shared "urban backyard." These spaces will be high-performing for their size, offering a variety of amenities that respond and cater to the needs of the associated neighbourhood.

Size: 200m2 - 3,000m2

Catchment: about a 5min walk

Green elements:

Urban parks like Cobblestone Park are a good example of maximising green space, planting, and canopy cover with a balance of recreation uses while limiting the amount of paved surface area.

Greening appropriate to the type & site context includes:

- · Patches of planting / canopy cover
- · Lawn area
- · Planting beds with a diversity of species
- · Nature play elements
- · WSUD elements
- · Edible/fruiting trees
- · Small community garden & composting

Other amenity considerations relative to type:

- $\cdot \quad \text{Multiple seating / picnic areas} \\$
- · Shade structures
- Small playground / nature play
- Could include sports facilities eg. 3 on 3 court/ hoops/ skate surface etc
- Artwork / interpretation that engage with mana whenua/cultural values
- Includes spaces for temporary kiosks and food trucks/coffee carts
- Integrated with existing pedestrian and cycle connections
- Scooter / cycle parking facilities

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Case Study

Cobbleston Park, Wellington (Wraight + Associates)

There are limited opportunities to purchase and convert land to new urban parks in a growing central city. This means when Council acquires land, it needs to work much harder to meet the needs of the current and future populations. Such requirements command a creative design approach to make sure these spaces are both high quality and multifunctional.

Cobblestone Park is a good example of this creative design approach. The park efficiently makes the most of green space with a series of useable lawn terraces, planting beds that filter the site-generated storm-water runoff, and retention of the existing mature trees found on the site.

Seating opportunities were increased through thoughtful design of the retaining walls along the pedestrian spine and terraces and dotted beneath the tree canopy watching over the playground. Paved surfaces are limited to the central pedestrian spine, and basketball court – green and permeable surfaces are maximised throughout.

For a small park, Cobblestone accommodates a wide range of users. The lawns are used by students and city dwellers seeking a place to relax and eat lunch. The play area and steppingstones beneath the trees offer opportunities to connect with nature. While the basketball court is a chance for active play, found few and far between in the central city. It is an actively used park that provides essential green and amenity functions to the city and surrounding neighbourhood.



Image: Sea level rise and storm inundation - threaten low-lying areas of the central city.

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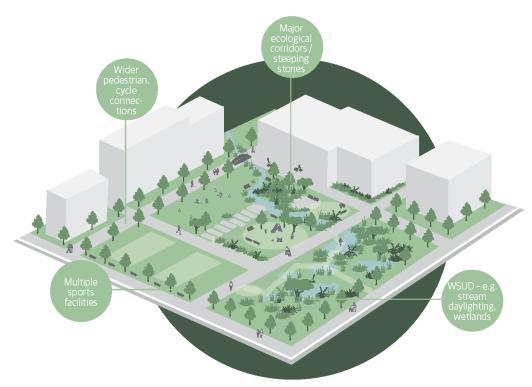
Case Study: Climate Adaptive Urban Park

Taasinge Square, Copenhagen (GHB Landscape Architects)

Taasinge Square is an exceptional example of an urban park space that integrates greening approaches with climate adaption. Climate adaption is a pressing issue in Wellington's central city – with most of the development on low-lying reclaimed land – flooding, sea-level rise, and liquefaction are significant concerns. Looking to cities the are setting a precedent for creative adaption is critical.

Taasinge Square is part of Copenhagen's broader Cloudburst Plan, the city's climate mitigation plan following the 2011 flood, which caused roughly NZD 1.5 billion in damages. The 20-year plan includes over 300 blue/green infrastructure projects for water rendition and drainage integrated into Copenhagen's streets and public space network and the private realm through public-private partnerships. It is an integrated planning approach that focuses on the liveability benefits such investment can provide the city.

Once underutilised paved surface, the square itself has been converted to a valuable public green space. This natural refuge supports biodiversity while detaining and collecting rainwater from the surrounding streets and rooftops. The square shows how stormwater detention (both above and below ground) can produce playful urban spaces that support community interaction and delight – adding value to our urban neighbourhoods.



Destination Park

A large urban destination or an anchor place. As a green space it will have high cultural, social, and recreational importance to the central city. They will accommodate a mix of uses, respite, recreation, planned events, tourism, and large gatherings of people.

Catchment: about a 15min walk

Green elements:

These spaces are an opportunity to showcase our best practice greening approaches to public space. The greening needs to contribute to the space's strong character and identity. Greening must support the multi-functional needs as a place of refuge, events, and sites of ecological & cultural importance through high-quality, diverse planting treatments.

Greening opportunities could include:

- Large areas of planting (i.e. urban forest establishment, ecological significance)
- WSUD e.g. stormwater catchment & treatment, stream daylighting, wetlands
- · Large lawn space (for kickaround space &

large events & civil defence)

- Community garden, urban farming & orchard
- Dedicated ecological areas that form part of the city's ecological network (steppingstones / corridor)

Other amenity considerations relative to type:

- Multiple seating / picnic areas / shade structures
- Significant playground and multiple nature play areas
- Multiple sports facilities eg. 3 on 3 court / football fields / skate surface etc
- Design/elements strongly reflect the site's history and are well grounded in mana whenua / cultural values
- Managed/programmed events Permanent kiosks and spaces for food trucks/coffee carts
- Intergrated into the wider pedestrian, cycle and public transport network
- · Public toilets/ bicycle & scooter parking

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Case Study

Waitangi Park, Wellington (Wraight + Associates)

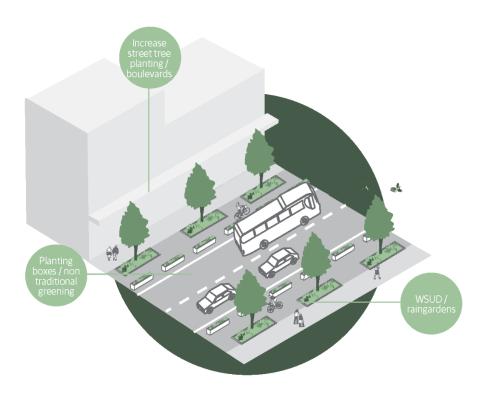
Waitangi Park is a successful study of how our green spaces can not only meet our city's environmental and amenity needs but also express our cultural narratives and relationship with nature.

At 5.8ha Waitangi Park is the largest park in the central city. The park provides many recreational amenities such as the large lawn area, skate park, children's playground, and basketball courts and often hosts various public events.

The central design element of the park has been the integration of the Waitangi Stream. Before the development of the central city, the Waitangi Stream and lagoon were critical sources of food gathering, freshwater, and materials for local iwi. The story is that the stream and lagoon was once the home of a taniwha that disappeared upon European arrival. This narrative aligns with the eventual

fate of the stream. It was piped for urban development.

The daylighting of the Waitangi stream and interpretation of the lagoon through a planted narrative reveals the potential of what our natural heritage can bring to the city. "The park's environmentally sustainable design and the water sensitive urban design strategy not only contributes to improved water quality but also contributes to the visual appeal of the park generating a unique character for the place (Wraight + Associates)."



Streets

The Council owned road reserve is 26% of the area of the central city. Streets present a significant opportunity to deliver green outcomes for the central city.

Green streets are the connectors, linking the various green spaces and infrastructure while addressing multiple needs such as creating habitat corridors, stormwater management, and air pollution and noise reduction.

A collaborative approach needs to be undertaken so that there is a balance between streets being places for people and movement corridors to achieve multi-beneficial outcomes.

There are opportunities to partner with LGWM and leverage off other programmes and projects including the cycle network delivery.

Green elements:

Examples of greening elements appropriate to this space could include:

- Hardy street tree species / habitat corridors
- WSUD / rain gardens / stormwater management
- · Planter boxes
- Parklets delivered through reallocation of street space



Case Study

Lower Cuba Street, Wellington (WCC)

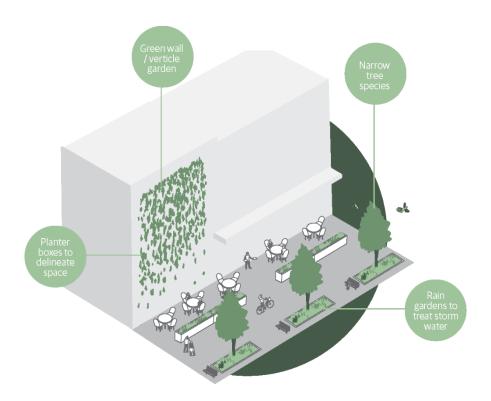
Lower Cuba street is an excellent example of streetscape greening in a Wellington central city context

Lower Cuba Street was redesigned as a shared space in 2011 to provide some additional public space when Manners Mall was removed. The street provides a clear pedestrian link from Cuba Mall to Civic Square and the waterfront. Conversion from a car dominated space to shared space gives pedestrians priority by limiting vehicle speeds to walking pace.

The greening in this example reinforces the pedestrianisation of this street by providing amenity and helps to outline the shared and pedestrian zones. Street trees provide a visual corridor making the street width look narrow, encouraging vehicles to slow down.

Rain gardens offer visual interest and contact with nature while helping the city manage stormwater sustainably. Water that runs into the rain gardens filters down to the sub-soil drainage instead of straight into the drain and harbour. The trees and plants will, in the process, filter out any pollutants.

In the Wellington Public Space Public Life Study 2021, Gehl has highlighted Lower Cuba Street as exemplar street greening. Gehl states, Lower Cuba Street "has a great presence of greenery adding a positive sensory environment to the city (Gehl 27)."



Laneways

Laneways play a vital role in the public realm and finer grain network of the central city. They can improve midblock connectivity for people on foot when adequate investment is made to ensure they are attractive, safe, and activated.

Regarding greening, laneways present a massive opportunity to the city as public space can be prioritised over transport movement. Space in a laneway is tight, but creative use of hardy planting can contribute to the overall connectivity of the green network and add to the mix of urban backyards in the central city.

Green elements:

Examples of greening elements appropriate to this space could include:

- · Edge planting
- · Green walls
- · Planter boxes
- Small edible gardens for community or restaurant use
- · Small / narrow specimen trees
- · WSUD / rain gardens



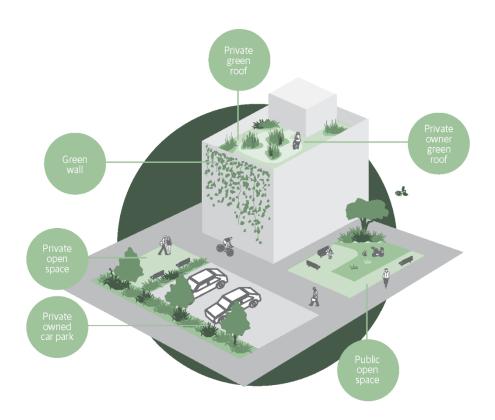
Case Study

Lombard Lane, Wellington (Cook Strait Properties + BECA + E3BW + LandLAB + WCC)

This project was a public/private sector partnership between Wellington City Council and Cook Strait Properties to regenerate Denton Park and surrounding streetscapes in and around Lombard Lane, Bond Street, and the Victoria Street interface. The central city block before the project had become rundown, underutilised, and vehicle-dominated, with safety issues affecting tenants and property owners. Investment in the public realm was needed to assure businesses of the lane's future occupation and bring public life back. A significant part of the public realm investment was the delivery of quality open space and streetscape greening.

Denton Park was an integral part. The project has been re-designed into an elevated lawn space that allows informal occupation by the public and a green outlook to the adjacent restaurant. The shared spaces of Lombard Lane and Bond Street have been reinvigorated with a greener outlook and now include street tree planting, garden beds, rain gardens, and informal planter pots that line the space.

Through this revitalisation Lombard Lane has become a busy pedestrian route and inspired a diverse mix of retail and hospitality businesses to open in the area, further activating the central city space.



Private Development

Private ownership is 49% of Wellington's central city land area.

On top of this figure, we expect 18,000 more people to live in Wellington's central city, which equates to 7900 - 8800 new dwellings. This densification needs to be done well and requires a collaborative approach between the Council, local communities, developers, planners, designers, businesses, and private landowners.

While the District Plan and Design Guides are supporting and enabling greener outcomes, ongoing advocacy will be important.

Green elements:

Examples of greening elements appropriate to this space could include:

- · Communal green spaces
- · Entry gardens
- · Backyards
- · Publicly accessible green spaces
- Container balcony gardens
- · WSUD
- · Trees
- · Edible/fruiting trees
- · Small edible garden & composting
- Green walls
- · Green roofs / roof terraces

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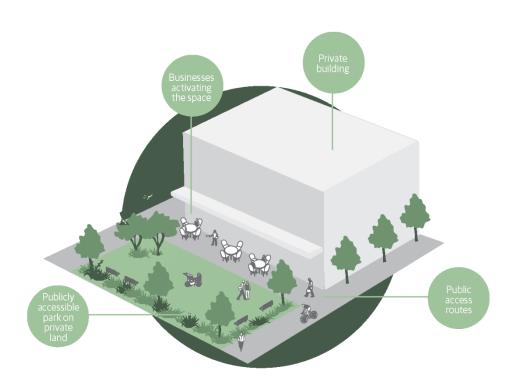
Case Study

Urban Habitat Collective, Newtown, Wellington (Spacecraft Architects)

Spacecraft Architects are in the process of designing a co-housing apartment building for a group of Wellington families.

The concept of this apartment complex is about balancing private space with the ability to interact with and share amenities with neighbours. The shared spaces "...will include a shared dining & living area, and such other common areas as we agree in the design process. They will be integrated into the building to save costs and encourage community interaction. They are designed for daily use, are an integral part of the community, and are always supplemental to the private residences (Urban Habitat Collective)".

While the notion of co-housing is not for all, Spacecraft Architects have found a balance between private and shared outdoor space within this high-density development. The shared space between the apartment buildings is an excellent opportunity for greening and provides a sense of community. The balconies overlooking the shared green space provide the transition from private to shared and would allow families to be able to greet neighbours or check up on children playing below.



Public / Private Partnerships

Another enabler for greener outcomes is a partnership approach between public and private agencies.

This is a method of cooperation aimed to deliver projects that have been identified to impact the public realm. This type of cooperation aims to achieve mutual public and commercial benefits to both public and private partners.

In an economic climate where public funding is limited, engagement of a private partner can ensure partial financing of the project and therefore lift the burden off public funds. This can lead to better quality outcomes for a project. Public agencies such as the Council can then deliver on strategic goals they may not have achieved due to limited public funding.

Green elements:

Examples of greening elements appropriate to this space could include:

- · Publicly accessible green spaces
- WSUD
- Trees & Edible/fruiting trees
- · Small edible garden & composting
- Green walls
- · Green roofs / roof terraces

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Case Study

Michael Fowler Centre Car Park (Willis Bond, Athfield Architects)

This project is being delivered through an agreement between the Council and Willis Bond.

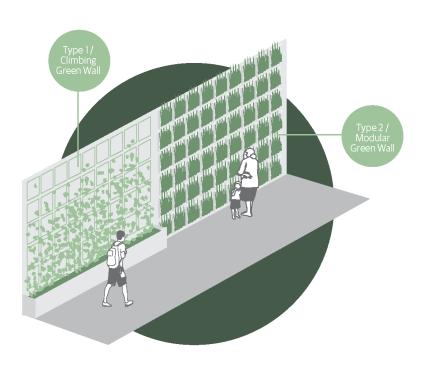
The proposal is to convert the Michael Fowler carpark in to a multi-storied, minimum 5-Star Green Star building with high quality, surrounding green space, and improved linkages to the waterfront.

An underdeveloped site, a carpark, is being developed to provide public benefit through improved greening and access to the water front, while the developer benefits due to higher foot traffic and improved amenity.

A ground lease of the site was approved in the Long-Term Plan to develop the site without generating cost to Council and ratepayers. The site is in an important location for the city as it connects the Te Aro Park area via Opera House Lane through to the waterfront.

Through the agreement, the Council was able to direct design outcomes for the development of open space and green space amenity. Council required Willis Bond in their design to retain the existing Pohutukawa trees, provide public open space and ensure a public connection is made to link the water front, Te Ngakau, and Cuba Street.

This model can have mutually beneficial outcomes for both the developer, the Council, and the public who use the space.



Green Walls

(Also known as living walls or vertical gardens).

Green walls come in two main types:

- A vertical structure is fixed to the wall of a building with climbing plants rooted in soil at ground level. The plants use the structure to climb up the wall from the soil containers below.
- The soil is fixed to the wall itself (often in modular units). The plants are rooted in the modular units, which are fastened to the façade using a structural system.

Green walls have many benefits for the central city as they

- Are fixed vertically and can be used in areas where space is limited (for example, in laneways or along narrow streets).
- Can improve the appearance of a building or structure (as well as prevent graffiti that can occur on bare walls).
- · Diversify the suite of planted habitats and can act as stepping stones for species.
- Increase the amount of visible green in the city environment & improve the psychological health of residents.

Improve air quality and reduce noise

- Help collect and filter stormwater from buildings and can be used for water sensitive urban design.
- · Can be used for edible gardens.

Green elements:

- · Plants should be chosen to suit the location and climate of the green wall
- Hardy climbing or cliff species (NZ has many native species that thrive on cliff faces and which have been trialed successfully in green walls)
- Hanging plants can also work beans and tomatoes have been used in edible green walls (in sheltered, sunny sites)

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Case Study

Civic Square Green Wall (Natural Habitats)

Designed by Natural Habitats, the 24sqm green wall was installed in the prominent site of Civic Square as an exemplar project and a way to motivate developers to install more around the central city.

The harsh coastal environment of the green wall's location demonstrates how green walls can thrive in Wellington – and gives confidence for future installations.

Careful plant selection is critical to achieving a thriving green wall. Species used in this example include the following hardy native species:

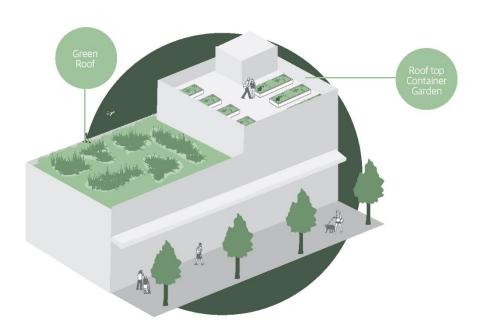
- · Arthropodium "Te Puna" (rengarenga lily)
- · Acaena novae "Zelandiae" (piripiri
- Chionochloa conspicua "Hunangamoho" (snow grass)
- Disphyma crassifolium (New Zealand ice plant)
- · Fuschia procumbens (creeping fuschia)

The structure itself is a modular system and built to be self-watering and self-fertilising. The wall is moveable if required.

Further examples of green walls have also been rolled out throughout the central city by Wellington City Council through the laneways programme to green the street network when street trees are not achievable.

The design and ongoing management needs careful consideration for green walls to be successful.

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Green Roofs

(Also known as living roofs or roof gardens).

Green roofs are a roof of a building or built structure that has been planted over a layered system of waterproof membrane, insulation, drainage, root barrier, and growing medium. A similar type (although not a genuine green roof) is a rooftop container garden. Rooftop container gardens are when plants are sown in containers or pots and placed or fixed on a roof/roof terrace. These are a more accessible and cheaper alternative to green roofs as they may not need the structural engineering and waterproofing required by genuine green roofs.

Green roofs have many benefits for the central city:

 They can be used in dense city environments where at-grade space is limited as they utilise the buildings.

- They slow and reduce stormwater runoff, which places less stress on the central city's stormwater infrastructure and an individual site and building's drainage system
- Provide amenity and a green outlook for the building users and for other who are overlooking.

Green elements:

- Plants should be chosen to suit the location and climate of the green roof.
- Many hardy native plant species thrive in green roof conditions, including native ground covers, grasses, succulents, climbers, and creepers.
- Native species specifically are suitable as they promote native biodiversity and can be stepping stones for migrating fauna.

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Case Study

Pipitea Plaza Green Roof, Wellington (Athfield Architects, Greenroofs NZ, RCP & Boffa Miskell)

Pipitea Plaza is a nine-storey five green star office building located at the edge of Pipitea escarpment (the historic harbour's edge), Pipitea Marae, and Old Saint Paul's church. The green roof is an integral part of the project and illustrates how green roofs are an excellent method of establishing ecological habitats in high-density, central city sites where on-grade space is limited.

The green roof is integrated into three of the building's stepped levels and flows visually from the roof terraces, the enfolding tree canopies, and green spaces. The roof can be viewed by staff within the building, providing

visual interest from their office windows. The planting selection is a striking but minimal mix of succulents, sedum, and grasses, punctuated by Riwaka Gold chip and Otaki pebbles. The species were selected to be tolerant to the harsh coastal conditions found on such an exposed site.



Good Food Green Spaces

Part of the Green Network Plan will be connecting with the broader sustainable food network for Wellington city by supporting initiatives to increase the amount and quality of green space used for food production in the central city. Examples of food production spaces include community gardens, urban farms, inner-city exemplar gardens, community composting hubs, vertical gardens, fruiting trees, and edible rooftop gardens.

Community food production spaces allow central city residents to participate in gardening where personal backyard space is unavailable.

These spaces are a way to diversify the green network and offer space for central city residents to connect and educate themselves / or increase capacity (either one works - your choice) in food growing and production. They also provide capacity to wrap food waste back into production at a local level. These spaces are part of the continuum of green spaces and foster a sense of community, improving the central city's mental and physical wellbeing, livability, and resilience.

While the central is constrained for space there are industrial & under developed sites that could contribute to local food production. These sites could be either temporary or permanent, and no longer fit for purpose. They include sites in Pipitea, car parking lots, road reserve and even rooftops.

Green elements:

Examples of greening elements appropriate to these spaces include:

- · Edible / fruiting trees
- · Community gardens
- · Edible green walls
- Edible roof gardens
- · Edible container gardens
- Rongoā rākau (medical plant / tree species)
- · Berm gardens
- · Urban farms

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Case Study

Sole Food Street Farms, Vancouver

Sole Food Street Farms is a Vancouver-based organisation that has converted underutilised, contaminated land into productive urban farms. Their Main Street location, found on a previous petrol station site, was leased to the organisation by the City of Vancouver for one Canadian dollar per year is today one of the largest urban farming sites in North America. The site, before the project, had been vacant for over a decade due to soil contamination. Sole Foods Farms worked around the contamination issue by setting up a system of planter boxers to grow their extensive orchard, herb, and vegetable garden.

Soles Food Farming project provides numerous benefits to Vancouver's city, including offering jobs and training to members of the community with mental health and addiction issues. The city of Vancouver has strongly

supported the project as it aligns with Vancouver's Greenest City Action plan. The plan stipulates a "Local Food" action where the goal is "Vancouver will become a global leader in urban food system (City of Vancouver)" with the associated target to: "Increase city-wide and neighbourhood food assets by a minimum of 50% over 2010 levels (City of Vancouver)".

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Work Cited 61

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Me Heke Ki Põneke

Auckland Council. "Auckland's Urban Ngahere (Forest) Strategy. te Rautaki Ngahere Ā-Tāone O Tāmaki Makaurau"

Blaschke, Paul et al. "Green Space in Wellington's Central City: Current Provision, and Design for Future Wellbeing." New Zealand Centre for Sustainable Cities, 2019.

Boffa Miskell. "Pipitea Plaza." https://www.boffamiskell.co.nz/project.php?v=pipitea-plaza.

City of Melbourne. "Green Our City Strategic Action Plan" 2017. https://www.melbourne.vic.gov.au/sitecollectiondocuments/green-our-city-action-plan-2018.pdf

City of Melbourne. "Urban Forest Strategy " 2014. https://www.melbourne.vic.gov.au/sitecollectiondocuments/urban-forest-strategy.pdf

City of Sydney. "Greening Sydney Strategy " 2021. https://www.cityofsydney.nsw.gov.au/strategies-action-plans/greening-sydney-strategy

City of Sydney. "Urban Forest Strategy " 2013. https://www.cityofsydney.nsw.gov.au/strategies-action-plans/urban-forest-strategy

Gehl Architects. "Wellington 2021 Public Space Public Life Study " 2021.

GHB Landscape Architects. "Taasinge Square." https://www.ghb-landskab.dk/en/projects/taasinge-square.

Green Cities. https://thegreencities.eu/.

Heaphy, Charles. "Birdseye View of Port Nicholson." 1843. https://natlib.govt.nz/records/22875686

Hinge, Leslie. "Development Along Lambton Quay." 1920s. https://natlib.govt.nz/records/22719036

LandLAB. "Lombard Lane." http://landlab.co.nz/lombard-lane-denton-park.

London, Treeconomics. "Valuing London's Urban Forest: Results of the London I -Tree Eco Project." 2015.

Morgenroth, Justin. "Tree Canopy Cover in Christchurch, New Zealand. Report Prepared for the Christchurch City Council." University of Canterbury, 2017.

Morgenroth, Justin. "Tree Canopy Cover in the Green Network Plan Study Area, Wellington, New Zealand. Technical Report Prepared for Wellington City Council." University of Canterbury, 2020.

Morgenroth, Justin. "Tree Canopy Cover In Wellington City and Suburbs, New Zealand. report Prepared for the Wellington City Council." University of Canterbury, 2021.

Natural Habitats. "Civic Square Green Wall." https://www.naturalhabitats.co.nz/.

New Zealand Company. "Plan of the Town of Wellington." 1840. New Zealand Company. archway. archives.govt.nz/ViewFullItem.do?code=2431150

Norman, Edmund. "Te Aro Pā Looking Towards the Hutt River." 1842 - 1843. https://natlib.govt.nz/records/23026225

Selkirk, Gail. "Midland Park." 1983, p. Reference: EP/1983/3745.

Sole Food Street Farms. "Sole Food Street Farms." https://solefoodfarms.com/.

 $Spacecraft Architect. \ "Urban Habitat Collective." \ Wellington, New Zealand \ https://www.spacecraftarchitects.co.nz/Urban-Habitat-Collective.$

Unknown. "Scene in the Botanical Gardens." ca 1900. https://natlib.govt.nz/records/22751152?search%5Bpath%5D=photos&search%5Btext%5D=wellington+botanic+gardens

Vancouver, City of. "Greenest City Goal: Local Food." https://vancouver.ca/green-vancouver/local-food.aspx.

 $Wellington\ City\ Council.\ "Central\ City\ Framework."\ 2010.\ https://wellington.govt.nz/your-council/plans-policies-and-bylaws/policies/central-city-framework$

Wellington City Council. "Lower Cuba Street Shared Space." https://wellington.govt.nz/-/media/your-council/projects/files/goldenmile-lowercuba-info.pdf.

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Page 96 Item 2.2

Absolutely Positively **Wellington** City Council

Me Heke Ki Põneke

Wellington City Council. "Michael Fowler Centre Carpark Development." On 30 September 2021, the Council agreed to the key commercial terms on a 175-year ground lease for the Michael Fowler Centre carpark with Willis Bond., 2021.

Wellington City Council. "Our Capital Spaces: An Open Space and Recreation Strategy for Wellington " 2013. https://wellington.govt.nz/your-council/plans-policies-and-bylaws/policies/our-capital-spaces

-Wellington City Council. "Our City Tomorrow: Spatial Plan for Wellington City." https://planningforgrowth.wellington.govt.nz/draft-spatial-plan.

Wellington City Council. "Our Natural Capital: wellington's Biodiversity Strategy and Action Plan." 2015. https://wellington.govt.nz/your-council/plans-policies-and-bylaws/policies/biodiversity-strategy-and-action-plan

Wellington City Council. "Te Atakura - First to Zero: Wellington's Blueprint for a Zero Carbon Capital." 2019. https://wellington.govt.nz/environment-and-sustainability/climate-change/zero-carbon-capital

Wellington City Council. "Te Atakura - First to Zero: wellington City's Zero Carbon

Implementation Plan. "2020. https://wellington.govt.nz/environment-and-sustainability/climate-change/zero-carbon-capital

Wellington City Council. "Water Sensitive Urban Design: A Guide for Wsud Stormwater Management in Wellington ". https://wellington.govt.nz/environment-and-sustainability/water/stormwater/water-sensitive-urban-design-guide

Whites Aviation. "Urban Motorway." 1969. https://tiaki.natlib.govt. nz/#details=ecatalogue.630686

WMB Studio. "Parked Bench." https://wmbstudio.co.uk/parked-bench.

World Health Organisation. "Urban Green Space and Health: Intervention Impacts and Effectiveness." 2017.

Wraight + Associates. "Cobbleston Park." https://waal.co.nz/our-projects/urban/cobblestone-park/.

Wraight + Associates. "Waitangi Park." https://waal.co.nz/our-projects/urban/waitangi-park/.

(References to be further proofed)

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TE WHANGANUI-A-TARA WHAITUA IMPLEMENTATION PROGRAMME AND TE MAHERE WAI O TE KĀHUI TAIAO

Kōrero taunaki Summary of considerations

Purpose

1. This report to Pūroro Āmua - Planning and Environment Committee presents the Te Whanganui-a-Tara Whaitua Implementation Programme; and Te Mahere Wai o Te Kāhui Taiao (a Mana Whenua Whaitua Implementation Programme). The co-chairs of this whaitua committee will be present at this committee to support the attached papers.

Strategic alignment with community wellbeing outcomes and priority areas Aligns with the following strategies and priority areas: Sustainable, natural eco city ☐ People friendly, compact, safe and accessible capital city ☐ Innovative, inclusive and creative city ☐ Dynamic and sustainable economy Strategic alignment ☑ Functioning, resilient and reliable three waters infrastructure with priority ☐ Affordable, resilient and safe place to live objective areas from ☐ Safe, resilient and reliable core transport infrastructure network Long-term Plan ☐ Fit-for-purpose community, creative and cultural spaces 2021-2031 ☐ Accelerating zero-carbon and waste-free transition ☐ Strong partnerships with mana whenua The attached reports Relevant Previous

decisions	The attached reports
Financial considerat ⊠ Nil	ions Idgetary provision in Annual Plan / ☐ Unbudgeted \$X erm Plan
Any financial cons Council planning p	iderations will occur should actions be agreed and included in the processes.
Risk ⊠ Low	☐ Medium ☐ High ☐ Extreme
Outline the overall level	of risk, summarising the risk section from laterin the paper.

Author	Geoff Lawson, Team Leader Policy	
Authoriser	Baz Kaufman, Manager Strategy and Research	
	Stephen McArthur, Chief Strategy & Governance Officer	

Taunakitanga

Officers' Recommendations

Officers recommend the following motion

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That the Pūroro Āmua | Planning and Environment Committee:

- 1. Receive the information.
- 2. Note that officers will continue to work with Greater Wellington Regional Council to understand the impact of the Te Whanganui-ā-Tara Whaitua Implementation Plan and will report back on implementation to the Committee.

Whakarāpopoto

Executive Summary

- 3. The attached reports are the result of the whaitua programme led by Greater Wellington Regional Council (GWRC) for the Te Whanganui-a-Tara Whaitua.
- 4. The whaitua programme involves community-focused, collaborative planning processes to address land and water management issues in the Greater Wellington region. It assists Greater Wellington and local councils in carrying out the obligations under the National Policy Statement for Freshwater Management 2020 (NPSFM). The programme aims to improve the integration of activities and achieve better resource management practices which reflect local aspirations for waterways.
- 5. The Te Whanganui-ā-Tara WIP and Te Mahere Wai have been received by GWRC at its 23 September meeting and are now being presented to the local councils within the whaitua region.

Takenga mai

Background

- 6. Te Whanganui-a-Tara Whaitua Committee (the Committee) was the third of five whaitua committees for the Greater Wellington region, and first met in February 2019. Since that time, the Committee has deliberated on a pathway for improving water quality and the way water is managed in the Whaitua. The Council was represented on the Whaitua Committee by Councillor Rush.
- 7. In February 2020, Mana Whenua representatives established Te Kāhui Taiao to enable iwi to discuss, debate and decide their contribution in wānanga (formal discussions to share knowledge) in a culturally safe space.
- 8. Te Kāhui Taiao produced the Te Mahere Wai, a Mana Whenua Whaitua Implementation Programme (Te Mahere Wai WIP), specifically aimed at ensuring the voices of Taranaki Whānui and Ngāti Toa Rangatira sit alongside the voices of Crown partners and non-Māori communities.
- 9. The recommendations in the Te Whanganui-a-Tara Whaitua Implementation Programme (WIP) (Attachment 1) cover both regulatory provisions and non-regulatory programmes. The regulatory provisions will be included progressively by into the Regional Policy Statement and Natural Resources Plan by GWRC by way of plan changes. The non-regulatory programmes will be implemented over time, and GWRC will work in conjunction with mana whenua partners, city councils, Wellington Water, and other organisations to implement these.
- 10. The Committee was informed by the Mayoral Taskforce Report and recommendations generally align, while taking them further with dates for delivery.
- 11. Te Mahere Wai WIP (Attachment 2) also covers both regulatory provisions and non-regulatory programmes necessary for Greater Wellington to achieve requirements that

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- demonstrate Mana Whenua decision-making in freshwater management and compulsory national values for mahinga kai.
- 12. Te Mahere Wai WIP records the priorities and recommendations of Taranaki Whānui and Ngāti Toa Rangatira as Mana Whenua of Whaitua Te Whanganui-a-Tara. It describes Mana Whenua values and establishes a Mana Whenua assessment framework, called Te Oranga Wai for measurement and management of freshwater, receiving coastal waters and mahinga kai in the whaitua.
- 13. The WIP and Te Mahere Wai WIP are created to be read, implemented and woven together to ensure the objectives and recommendations in both documents are reflected in changes to the Regional Policy Statement and Natural Resources Plan and in the non-regulatory programmes.

Kōrerorero

Discussion

- 14. The implementation recommendations arising from the whaitua process are detailed and comprehensive.
- 15. The next step is for the documents to be reviewed by GWRC officers to determine the steps required for implementation and provide responses to all recommendations in the WIP. This will then be used to inform the creation of the reference group and the whaitua implementation structure.
- 16. The regulatory recommendations in the WIP and Te Mahere Wai will inform the plan change processes for the Regional Policy Statement and Natural Resources Plan in 2022 and 2024.
- 17. The non-regulatory recommendations will be further developed by GWRC in conjunction with relevant external organisations including the Council.
- 18. Any subsequent plan changes that come from the WIP and Te Mahere Wai will be considered as the Council plans its 3 waters investment and urban development planning. Dependent on the Councils response to this there may be financial implications and would need to be considered as part of future LTP processes.

Ngā mahinga e whai ake nei

Next actions

- 19. The Committee may receive these documents noting that this is a GWRC programme of work noting it expresses a range of expectations for local councils to address freshwater management across the region.
- 20. The Te Whanganui-a-Tara Whaitua Implementation Programme and the Te Mahere Wai o Te Kāhui Taiao (a Mana Whenua Whaitua Implementation Programme) will be formally launched on 9 November at Te Papa.
- 21. Council officers will work with GWRC to understand the implementation and impact of the WIP so that it can be considered in future planning processes.

Attachments

Attachment 1. Whaitua Te Whanganui-a-Tara Implementation Programme

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Attachment 2. Te Mahere Wai o Te Kāhui Taiao

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Whaitua Te Whanganui-a-Tara Implementation Programme

Recommendations for improving the health of fresh and coastal waterbodies towards Te Mana o te Wai in Whaitua Te Whanganui-a-Tara/Upper Hutt, Lower Hutt and Wellington

Report prepared by the Whaitua Te Whanganui-a-Tara Committee 2021

Whaitua te Whanganui-a-Tara

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Our story

In 2019, the members of the newly established Whanganui-a-Tara Whaitua Committee from Wellington, Upper Hutt and Lower Hutt, accompanied by Greater Wellington Regional Council (Greater Wellington) Councillors and staff members, gathered on Matiu Island to meet for the first time. Led by Taranaki Whānaui, with Ngāti Toa Rangatira at their side, a powhiri to welcome the committee was followed by a full day wananga. This process would set the tone for what we wanted to achieve collectively for our communities, how we wanted to work together, and the partnership approach we wanted demonstrate with Mana Whenua within our committee.

Collectively, we agreed to establish a way of working that would recognise a bicultural and culturally safe way of working that would authentically give effect to our job to restore Te Mana o te Wai ki Whanganui-a-Tara. This, in turn, resulted in a uniquely bicultural operating framework grounded in te ao Māori principles and values that resonated perfectly with our work to protect the mana of our freshwater streams, rivers, lakes and wetlands.

The following outlines the committee's aspirations, values and operating principles that have guided how we have worked together over the past three years. Over time, members have departed, and new members arrived. However, our dedication to the purpose and way in which we have worked together remained the same. This Tiriti partnership approach was adopted by all members of Te Whaitua te Whanganui-a-Tara and represents a shared long-term vision for freshwater (Te Pūtake), sets the genealogy of the whaitua (Pepeha), and then identifies a set of protocols for how we intended to work with each other as a collective.

TE PÜTAKE/ THE ORIGIN

The mauri of Whaitua te Whanganui-a-Tara and the communities who live within it is nurtured, strengthened and able to flourish.

Kei te pūtake o te whaitua o te Whanganui-a-Tara tōna mauri mana motuhake... hei oranga mō te katoa.

TE WHAITUA MO TE WHANGANUI A TARA PEPEHA / TRADITIONAL STATEMENT DEFINING TE WHANGANUI-A-TARA REGION

No te kawa ora te mauri o te wai From the ultimate life principles is the vitality of water.

Ka tupu te taurikura o ngā iwi, nga uri, ngā ruranga katoa

From this the nourishment of the iwi, their descendants and those who call this place home is provided.

Ko tātou katoa ngā tangata tiaki o ēnei wai! For we all are the responsible guardians of these waters

Ngā wai o te Whaitua o Te Whanganui-a-Tara The waters of the Te Whanganui-a-Tara Whaitua

E rere mai Flow within the boundaries of Turakirae ki Rimurapa Turakirae to Rimurapa

Mai Rimurapa ki Remutaka From Rimurapa to Remutaka Mukamuka ki Te Ra Whiti From Mukamuka to Te Ra Whiti Pipinui ki te Ra Tō To Pipinui across to te Ra Tō

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NGĀ KAWA / THE PROTOCOLS

Te Kawa Ora/ The Natural Systems of Life

Ko te Te Whanganui a Tara Whaitua te mātāpuna o te ora: The waters give life.

The waters of Whaitua Te Whanganui-a-Tara are the source of spiritual and physical sustenance for all life within its waters and lands.

Te Kawa Wai/ The Natural Systems of Water

E rere kau mai ngā wai iti, ngā wai roa, ngā wai nui, ngā wai puna, ngā wai tuku kiri mai i ngā pae maunga ki Tangaroa: The waters flow from the mountains and hills to the sea.

Within Whaitua Te Whanganui-a-Tara is a living system of interconnected waterways, streams, rivers, springs and groundwater that flow from the hills to the sea.

Te Kawa Tiaki / The Protocols of Care

Ko tātou ēnei wai, ko tātou ngā tangata tiaki: We are these waters, we are responsible for their care.

The communities of the whaitua are united with, depend on and have responsibility for the waters of Whaitua Te Whanganui-a-Tara, the health of which is vital to all that live within it.

Te Kawa Honohono / The Protocols of Unity

Ngā manga iti, ngā manga nui e piripiri kau ana, ka tupu ngā awa, ka tupu te taurikura o ngā tangata katoa: The small and large streams that flow into one another form the numerous rivers, harbour and coast which provide nourishment for all.

The Te Whanganui-a-Tara Whaitua is woven from the land, the waters and the life within it. It transcends its component threads and cradles all who live within it.

Note that these statements are not a direct translation between te reo and English.

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Partnership and shared leadership from the community up

The programme to restore and improve water quality and ecosystem health in Whaitua Te Whanganui-a-Tara is formed by two documents.

This Whaitua Te Whanganui-a-Tara Implementation Programme has been developed and draws on the views of many people who call Te Whanganui-a-Tara home. It aims to ensure that all of our connections and values for freshwater and receiving coastal waters are sustained.

Te Mahere Wai is a Mana Whenua Whaitua Implementation Programme for Te Whanganui-a-Tara. It is a companion document that describes mana whenua values and establishes a mana whenua assessment framework, called Te Oranga Wai, for the measurement and management of freshwater, receiving coastal waters and mahinga kai in the whaitua. It represents a Te Tiriti o Waitangi partnership response to enhance the voices of local mana whenua – Taranaki Whānui and Ngāti Toa Rangatira.

It is important to acknowledge this unique approach that the committee has taken. The creation of a mana whenua enhancing and culturally safe space for mana whenua to discuss, debate and reconcile and develop a mana whenua voice signals a maturity for a Te Tiriti o Waitangi partnership model. It is a first of its kind for Te Upoko o te ika and our hope is that the process influences future policy development processes.

Both documents have been developed within a context of significant system change across New Zealand's public policy landscape, including the Resource Management Act 1991, local government reform and a new national direction to protect, improve and lift the mana of our freshwater rivers, streams, lakes and wetlands.

Both the Whaitua Implementation Programme (WIP) and Te Mahere Wai should be considered and actioned together because they share an inter-dependency of knowledge, information and priorities.

The committee collectively agree that the implementation of both reports will require collaboration between the Crown, Greater Wellington, territorial authorities (local councils) <u>and</u> mana whenua. This will mean the sharing of power and resources, enabling stronger Te Tiriti o Waitangi partnerships. Importantly, we are strongly of the view that Greater Wellington will need to act quickly to build its organisational capability and confidence to fulfil its Tiriti obligations, responsibilities and commitments, starting with authentic relationships with iwi and Māori.

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Foreword from co-chairs

The waters of Te Whanganui-a-Tara are central to our lives. They define the landscapes we cherish, provide life and wellbeing to all living things, including us who live in Wellington, Lower Hutt and Upper Hutt. We want to see their mauri (life force) restored - as healthy waterways and connected communities.

We acknowledge those who have worked for decades as kaitiaki in our urban and rural environments, working for healthy wai (water) at many levels. Those at the grass roots who have planted streambanks, removed rubbish from our awa (rivers) and our foreshore, those who have led change within their businesses and communities, and those who have campaigned for stronger regulations and policy change. Their work set the scene for the National Policy Statement for Freshwater Management which led to the Greater Wellington Regional Council's (Greater Wellington) whaitua process being based on community and mana whenua involvement. Our work is also informed by, and builds on, the work of the Ruamāhanga and Te Awarua-o-Porirua Whaitua Implementation Programmes as well as Ngāti Toa Rangatira's corresponding Statement.

Whaitua Te Whanganui-a-Tara Committee represents a partnership between mana whenua, the wider community, our territorial authorities and Greater Wellington. A partnership approach will also be fundamental for implementing this Programme. We especially endorse the opportunity for councils to better partner with mana whenua — in particular to support a more holistic approach to improving waterway health and community wellbeing.

This Whaitua Implementation Programme is a call to action. It calls for a paradigm shift in the way we view water (wai), our relationship with water, how we value water and its life maintaining properties.

Our three waters networks are crumbling due to under-investment, population growth is forecast to put more pressure on water use and supply, and climate change will exacerbate the challenges we face, with more extreme weather events predicted to occur much more frequently. Many of our waterways are in poor condition, some hidden, piped underground, out of sight out of mind. A continuing decline in water quality and culture of consumption sets up our children and grandchildren for a bleak and insecure future.

Sites of cultural significance including traditional mahinga kai / food gathering areas have been significantly degraded, having disproportionate impacts on different communities including mana whenua and tangata whenua.

Our long-term vision is for all waterways in Wellington, Lower Hutt and Upper Hutt to be restored to a state of Wai Ora (healthy water) within 100 years. We envisage many water bodies will achieve this state much earlier. This Programme sets out the first steps on that journey. There will be some quick wins but there are also some significant challenges to even 'hold the line' of current water quality before improvements can be seen.

Aotearoa is experiencing a shift in how we view water. Government requires councils to stop the decline in water quality and to drive improvements within a generation. Mana whenua recognise the loss of health and mauri of local waterways that has occurred over generations. New government policy introduced in September 2020 recognises the life maintaining properties of water for all life and ecosystems, including human beings. The principle of Te Mana o te Wai puts the health of a waterbody

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first, human health needs second, followed by recreational, economic and other needs. Change is now necessary, for the good of our children, grandchildren and following generations.

The Whaitua Implementation Programme is a companion document to Te Mahere Wai – a unique, indigenous body of work that more fully articulates the aspirations of Taranaki Whānui and Ngāti Toa Rangatira. Te Mahere Wai is a landmark document and the two interdependent documents should be considered together.

This Programme sets out recommendations to move us toward our vision of healthy water / Wai Ora. Our recommendations are ambitious and will require changes to current ways of operating and current levels of investment. However, they also seek to balance pace with practicality and equity. We acknowledge the range of barriers that exist to implementation and the lack of information currently available on the health of our waterways. We also acknowledge the power of individuals, whānau, and collaborative community action to help move us toward those outcomes.

We now call on Greater Wellington, Wellington City Council, Hutt City Council, Upper Hutt City Council, and all organisations with a statutory role as kaitiaki of freshwater in our whaitua, to drive action under this Programme.

This document presents a clear voice for water in this whaitua and a unique opportunity to make change. Alongside Te Mahere Wai, it is a founding document for future work and we expect councils to report progress against it over coming years.

We thank and acknowledge those in our communities who had their say in this process – providing feedback online, completing surveys, attending hui (meeting) on this kaupapa (important matter) or sharing your views with a committee member or council officer. Your direction has guided us in the development of our work.

The Whaitua Committee was supported by a project team of dedicated, passionate people from Greater Wellington, Wellington, Hutt and Upper Hutt City Councils, Wellington Water, Mātauranga Māori providers and mana whenua. Thank you to each and every one of you, we could not have delivered this taonga (treasure) without your hard work.

It is a privilege and a responsibility to serve on a committee tasked with the opportunity to drive change for our communities, the environment and future generations. Our fellow committee members are a diverse group of community representatives, mana whenua representatives, regional and city councillors. This is 'heart' work and you brought your whole selves to the mahi, listening to your communities, leaning in and collaborating for the good of all. Your passion, dedication, tenacity and understanding will be rewarded as the Programme is implemented and the changes start to manifest. We thank you now on behalf of generations to come for the benefits they will derive because of the work we have done up front.

This Programme is just the beginning. It is a first step in charting the course toward healthy waters across Wellington, Lower Hutt and Upper Hutt. We look forward to the journey ahead.

Sam Kahui and Louise Askin, Co-chairs, Whaitua Te Whanganui-a-Tara Committee

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Executive summary

The Whaitua Te Whanganui-a-Tara Committee is made up of members of the Wellington and Hutt Valley communities, and representatives of mana whenua and local councils. It was tasked with advising the Greater Wellington Regional Council (Greater Wellington) on how to give effect to the National Policy Statement for Freshwater Management 2020 (NPS-FM), which requires actions to be taken to maintain or improve the health of water and give effect to Te Mana o te Wai. The advice of the committee sits alongside (and is informed by) *Te Mahere Wai*, which has been prepared by and for mana whenua to express their aspirations and needs in the context of the NPS-FM.

Te Mana o Te Wai requires the integrated management of freshwater in line with the principle of Ki Uta ki Tai (from the mountains to the sea). This goes beyond the alignment of storm, waste and drinking-water management and must include flood management practices that shape our waterways, commercial allocation, changing land use, water sensitive urban design (WSUD), the active role of mana whenua, and many other critical elements.

Eighteen spatial areas have been identified within Whaitua Te Whanganui-a-Tara for integrated management to recognise the specific mana and individual needs of different water bodies. We hope that local communities will develop a sense of ownership and connection for these areas, as well as for each awa within them, as they learn about their names, values, mana whenua and community history, and the challenges faced.

All awa in all spatial areas are set a long-term vision of wai ora for all water-quality indicators and have a pathway of short-to-medium term steps towards achieving that vision. Steps beyond that have been left for the next generation to determine, so they can reflect on their own aspirations and contexts and all we learn through the implementation of this Whaitua Implementation Programme (WIP).

A paradigm shift is needed to achieve these steps towards wai ora, honour Te Mana o Te Wai and prioritise the health of waterbodies as required by the NPS-FM. Our recommendations are intended to address the past, look to the future, and reset our multi-generational relationship with water to one of care and respect. As part of this, we have deliberately framed our recommendations as 'managing people's impacts on water' instead of the dominant 'freshwater management' approach.

In summary, the committee's recommendations, which sit alongside those in *Te Mahere Wai*, require a range of actions that will:

- · Strengthen community connections with water
- Avoid toxic algal blooms
- · Address sources of pollution and reduce future risks
- Balance the needs of nature and people in the places we live
- Ensure we are responsible and respectful in our use of water
- Develop the workforce needed to realise Te Mana o te Wai
- · Make clear where we expect central government to act
- Improve information available for better decision making in the future.

These recommendations have been informed by extensive work over the best part of three years. This has included community input (through meetings, public events and online channels), scientific and expert input (though technical reports, presentations and direct advice), mana whenua input (through

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meetings, the direct involvement of Te Kāhui Taiao members, and *Te Mahere Wai*), and extensive technical support and expertise from officials in all councils in the whaitua.

Upholding Te Mana o te Wai is a responsibility of councils (mana kaunihera), mana whenua (mana whakahaere) and all in the community (mana tāngata). All of these have a role to play in the successful implementation of these recommendations. However, the most immediate responsibility sits with Greater Wellington to make the amendments to the Regional Policy Statement and the Proposed Natural Resources Plan that are necessary to give our recommendations regulatory weight. Greater Wellington's investment decisions and operating model are also important to creating the enabling conditions for mana whakahaere and mana tāngata to be effective in their respective roles.

Ongoing transparency and accountability to mana whenua and the community on the implementation of recommendations and progress towards wai or and Te Mana o Te Wai is essential. The catchment journeys for each of the 18 spatial areas provide an incomplete baseline, so mana whenua have begun the development of a kaupapa-based measurement framework. In time, this work will inform a holistic Te Oranga Wai framework that is expected to be the primary way communities understand the state of water and progress towards 'wai ora everywhere'.



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Committee purpose and decision-making context

The role of our committee is to advise Greater Wellington on how to give effect to the NPS-FM in Whaitua Te Whanganui-a-Tara. This is one of five whaitua in the Wellington Region. Whaitua is a te reo Māori word for 'place', and this whaitua is the geographic area defined by the water catchments across Wellington, Lower Hutt and Upper Hutt. We were charged with developing recommendations that express, and create a pathway towards, Te Mana o te Wai and the aspirations held by the communities and mana whenua. The scope of our work includes all freshwater bodies and the impacts of freshwater on the harbour and coast. The process is explained in more detail in Appendix 1.

Our committee of 16 comprises community members and representatives of councils and mana whenua. We committed to a bicultural process from the start, establishing co-chairs and sustaining a focus on learning how to bring this commitment to life throughout the process. Together, and through talking with communities, we bring different voices and worldviews into our work. We have also been supported by a team of experts, including scientists, planners, territorial authority advisers, three waters advisers, facilitators, mana whenua and te ao Māori advisers. Appendix 1 contains more information about our membership.

The implementation of the NPS-FM was the catalyst for our work and provides important clarity and tools. We agreed early on, however, that it should not overly constrain our approach. We believed we could provide advice that was consistent with the NPS-FM and better reflects the needs and aspirations of mana whenua and the communities of Whaitua Te Whanganui-a-Tara. The NPS-FM has been updated during our work, and we anticipate it will be again in the future as learnings from local efforts (such as ours) and from national level work are considered.

While our recommendations have been developed at the request of Greater Wellington, they are also relevant to Taumata Arowai, the Ministry for the Environment and all central agencies that have a role in how society cares for water. In some cases, change at the national level is needed to realise Te Mana o te Wai, and we acknowledge the reforms already underway for resource management, local government and three waters management. As reforms progress, we expect national decision makers and any new agencies to recognise this Whaitua Implementation Programme (WIP) and *Te Mahere Wai* as the statements of what needs to be delivered for Whaitua te Whanganui-a-Tara.

The ultimate test is how our recommendations are put into action. We are concerned that progress in implementing the Ruamāhanga and Te Awarua o Porirua WIPs has been slow. There is little public awareness of these documents or transparency about actions or outcomes. Maintaining political commitment requires mechanisms for citizens and mana whenua to hold councils to account for implementing the WIPs.

In Te Whanganui-a-Tara, territorial authorities (local councils) fund Wellington Water to manage the three waters network, primarily through the collection of rates and developer contributions. There has been under-investment in three waters infrastructure for decades. While councils are responsible for the failure to properly plan and fund the network, funding constraints have also had an impact. Implementing all our recommendations in the timeframes specified will require new approaches to funding for three waters.

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Of course, public costs ultimately fall on ratepayers and taxpayers, and there will also be costs beyond these to some individuals as taking greater care of private impacts on water becomes the new norm. This will be hard for some people, so support through the transition will be needed. It is particularly important that the approach to implementing our recommendations avoids increasing inequities in people's wellbeing. While some changes will initially feel like extra costs, they really reflect a bill we haven't been paying in the past, but which is necessary now to sustain healthy waterways across generations.

We have tried to set an ambitious, but achievable, pathway based on what we currently know. Our recommendations are part of a 100-year journey and include actions to be implemented in the short term (10 years), in a generation (20-30 years) and in the long term (over 30 years) for more intractable or costly problems. We recommend that mana whenua and the community review progress every 10 years and are enabled when necessary to advise councils on adjustments to improve the pace of progress.



Te Mana o te Wai - putting water first

Ka ora te wai - If the water is cared for

Ka ora te whenua – The land will be nourished

Ka ora te whenua – If the land is nourished

Ka ora te tangata – The people will prosper.

Te Mana o te Wai is the fundamental concept underpinning the National Policy Statement for Freshwater Management 2020 (NPS-FM) and is the guiding kaupapa reflected in the kawa-based vision at the start of this document and described by mana whenua in *Te Mahere Wai*.



As part of this, the NPS-FM directs decision making to prioritise:

- First, the health and wellbeing 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
 wellbeing, now and in the future.

Te Mana o te Wai presents us with an opportunity to prioritise the health of freshwater for the first time. It demands different thinking about our relationship with water. We cannot take water for granted and treat it as just another resource to be managed, used and degraded. We cannot consider the health and wellbeing of water bodies and freshwater ecosystems as an afterthought whenever we want to do something. Te Mana o te Wai requires that the importance of water in our lives is asserted and demonstrated through our actions.

Upholding Te Mana o te Wai is the shared responsibility of councils (mana kaunihera), mana whenua (mana whakahaere) and all in the community (mana tāngata). Our recommendations expect and support each of us to play our part. In doing so, we enhance our own mana and that of the water.

Council leadership - mana kaunihera

The level of power held by councils within our regulatory systems impacting on water makes their leadership and action critical. Greater Wellington has responsibility for meeting the requirements of the NPS-FM, including setting regulatory limits and targets for water that will drive the action needed to achieve mana whenua and community outcomes for water.

All four councils in the whaitua are expected to lead community transformation in the way water is valued and treated, as set out in the recommendations in this document. Some of these recommendations are also relevant in Porirua, which relies on this whaitua for its water supply. Regulatory frameworks need to be implemented and, importantly, enforced to ensure that all activities are managed for their effects on water. Three waters infrastructure must be maintained to a high standard so that Te Mana o Te Wai is not compromised. Councils are expected to show leadership on their own land and in their operations.

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Iwi leadership - mana whakahaere

The leadership of Taranaki Whānui and Ngāti Toa Rangatira is critical to achieving the transformative shift required to achieve Te Mana o Te Wai in Whaitua Te Whanganui-a-Tara. Many of the core constructs of Te Mana o Te Wai (ki uta ki tai, mauri, mahinga kai) rely on mana whenua interpretation and leadership, and require equitable resources and support that enables their participation to be embedded in whaitua management.

Tangata Tiriti members of this committee acknowledge that current barriers to Mana Whakahaere reflect failures over many generations to bring Te Tiriti o Waitangi to life in our regulatory and governance systems. We have worked to help break down rather than perpetuate these barriers through our work and our recommendations, but more is needed, as expressed in *Te Mahere Wai*.

Community leadership - mana tāngata

The waters of Whaitua Te Whanganui-a-Tara are a core part of our landscape and identity and we all have a responsibility for their care. Decisions that affect water quality and quantity are made by individuals, families and businesses every day. Many people are already working individually and in groups to do better for water, and every action makes a difference. But we need to bring care for water to the forefront of our daily lives and support more people to live and work in ways that value and restore the environment

Better connecting communities with, and empowering them to care for, water depends on leadership, support and long-term investment in education and action, as set out in our recommendations. The implementation of these recommendations is intended to increase community participation and leadership, grow people's ability to take actions that care for water, and support collaboration across catchments and the whole whaitua so that water, communities and future generations can flourish.

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Understanding our relationship with water – freshwater values

Our kawa direct us to the importance of spatial, social and intergenerational equity, which means that all waterbodies (from small streams to larger rivers, aquifers, wetlands, lakes, estuaries and coastal waters) need to be thriving in all awa. Upholding Te Mana o te Wai means striving for wai ora everywhere. We may need to prioritise in the short term to make progress achievable, but it is not possible to trade off the mana of one water body for another in the long term.

What this means for freshwater values is set out in <u>Appendix 2: Our community's freshwater values</u> in <u>Whaitua Te Whanganui-a-Tara</u> and in <u>Te Mahere Wai</u>.

Values which apply to some extent to all waterbodies in this whaitua include:

- · Ecosystem health
- Mahinga kai
- Threatened species
- Natural form and character
- Māori customary use and wai tapu
- Drinking-water supply
- Human contact (primary)

- · Community connection
- Animal drinking water
- Commercial, industrial use and the production of food and beverages
- Transport and Tauranga waka
- Fishing.

In the section 'The pathway to healthy water' we show catchment by catchment how (in many cases) the state of water quality is currently far from our aspirations for supporting our values. There are signs of hope for what can be achieved when we put water first, but water quality is still getting worse in many places, and there are challenges still to come through climate change and urban growth. The scale of the task means we need to start rapidly increasing the pace of action to halt the causes of decline and start noticing improvement.

Within the chapter of each catchment area are a set of tables that set out clear pathways of staged targets for improvement in each catchment's journey from current state to wai ora state for each of the water-quality attributes in the NPS-FM. The timeframes set for each step of the pathway are intended to increase the pace of action across the whaitua, while recognising what can realistically be achieved by when. In some places, achieving wai ora will be a 100-year journey and actions beyond our recommendations will need to be determined by future generations.

The different journeys reflect the reality of different starting points and pressures, natural cycles and the need for prioritisation. All actions can't be implemented everywhere all at the same time, especially when a significant investment of money and the time of skilled people is required. Where we have prioritised spatially, this reflects:

- The trends in water decline
- The risks of inaction to public health, including drinking-water sources
- · The significant values for mana whenua
- Impact levels
- Inequities in the benefits people receive from their local waterways.

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Bring our water

back to health.

We are more in tune and respectful of our environment. Matauranga Maori leads management. Integrated planning between mana whenua, communities



- 6 Rainwater tanks for homes

- 10 Swimmable, visible urban stream.
 11 "Warrant of fitness" on pipes in buildings and houses

- Urban design is sensitive to waterways and no zinc or contaminants Threatened fish species visible and resilient

- 18 Restoring wetlands
- 19 Forestry operations and land use using best practice to manage sediment
 20 Supporting local communities to be kaitlaki. All streams have kaitlaki
- 21 Mana of mane, mahinga kai, intergenerational knowledge exchange
 22 Harvesting of tuna for cultural events























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Actions to enhance Te Mana o te Wai - our recommendations

The evidence we have received tells us that water will continue to degrade without a step change in action. This does not reflect mana whenua and community values or meet NPS-FM requirements, but is a sign that our systems and actions are not yet showing enough care for water. It is a sign that decision making isn't putting the water first as required by Te Mana o te Wai.

The systems and norms that have led to the decline of water are well engrained in society and decision making. We believe that a shift in mindset is key to turning things around – from managing water as a resource, to managing the impacts of people on water. From waiting for proof that something is a problem, to taking care to avoid anything that could become a problem. After all, not having a problem in the first place is always cheaper then fixing something that is broken. It better respects the water as well as future generations to come.

Turning things around is a complex problem to solve because of the wide range of causes and responsibilities. This is an 'everybody problem' and all of us have a role to play in solving it. Our recommendations complement those in *Te Mahere Wai* and are focused on actions that:

- Strengthen community connections with water
- Avoid toxic algal blooms
- Address sources of pollution and reduce future risks
- Balance the needs of nature and people in the places we live
- Ensure we are responsible and respectful in our use of water
- Develop the workforce needed to realise Te Mana o Te Wai
- Make clear where we expect central government to act
- Improve information available for better decision making in the future.

The impacts and solutions will look different in different places for different people, but each of us has a duty of care to minimise our impacts and this is reflected in our recommendations. By acting together, we'll see improvements in community health, social connections and the health of our streams, harbour and coastline, and secure our water's future for generations to come.

The scale of improvement needed, even just to achieve the minimums set in the NPS-FM, means that there will be significant funding and workforce challenges to implement all recommendations everywhere. This has been recognised in the timeframes we have set for achieving different actions, but it is also why our recommendations cover matters that are about supporting successful implementation, rather than just focusing on direct action to improve water.

As our recommendations are implemented, further decisions will be needed about where planning and investment needs to be directed first.

A vital component of the regulatory response is incorporating the relevant aspects of this document, including the future attribute states, into the Regional Policy Statement and Proposed Natural Resources Plan (PNRP) to support our recommended trajectory.

Transparency about what is happening and ongoing opportunities for involvement by the community are key to successful implementation. To achieve this, the recommendations below sit alongside those in *Te Mahere Wai* about mana whenua participation and giving effect to mana whakahaere responsibilities.

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Our first set of four recommendations address the need for both a regulatory response to this WIP and *Te Mahere Wai* and for ongoing community participation in implementation.

Number	Recommendation
1	Greater Wellington adds all 'first steps' attribute states (short term and generational) identified in the catchment chapters of the WIP into the PRNP as part of the 2022 and 2024 plan changes.
2	Greater Wellington works with mana whenua to complete Te Oranga Wai attributes for freshwater and coastal receiving environments for inclusion in the PNRP as part of the 2022 and 2024 plan changes.
3	Greater Wellington proactively communicates the WIP and <i>Te Mahere Wai</i> with stakeholders, community groups and partners through a variety of channels to ensure there is adequate awareness in our whaitua to support ongoing dialogue and accountability for implementation.
4	Greater Wellington establishes a community-led reference group tasked with monitoring progress on the implementation of WIP for Whaitua Te Whanganui-a-Tara and ensures that the council is reporting on progress to the wider community in meaningful ways.



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Strengthen community connections with

water

Water is a defining feature of our whaitua, encompassing our harbour, coast, rivers and lakes, which are interconnected with aquifers under the ground. Water is part of our everyday life in many ways — from turning on the tap each morning to jumping in a river on a hot day, and everything in-between. However, with the increasing urbanisation of our whaitua in the past decades, we've also reduced water's presence in our landscape (such as piping small streams or covering them with landfills) and made it easy to forget how much we depend and impact on it.



If we're to restore our waterways to good health, we all need to play our part. Each journey begins by acknowledging the problem, which develops to understanding, builds with commitment, and results in communities that are willing and enabled to take action to change our future. At the heart of it all is relationships — with water and with each other. We are all connected, and only when our waterways are clean and healthy will the community be the same. Understanding this is an important part of growing the next generation of children to become kaitiaki and stewards, helping communities act in ways that care for water and develop skills to respond and adapt to change.

Many community groups are already championing and volunteering time on behalf of rivers, streams and environments in our whaitua, but they are often disconnected from each other and what is happening elsewhere. Practical and specialist support is needed to bring people together, increase their knowledge of the state of their water, and help identify the biggest opportunities to make a difference. Community groups are also well placed to lead wider community education as they know what matters locally.

Council monitoring can only go so far. Activating 'citizen science' is therefore key to providing accurate information to councils to target local changes, developing ways to share the story of streams (whether piped or above ground), and leading conversations in local areas on what people want to change and how to do it. It also benefits landowners, who can apply local science and local knowledge in their role as kaitiaki of their land and water.

To strengthen community connections with water our recommended actions focus on:

- Connecting communities with waterways and piped streams, so that people get to know their local streams, including those now under the ground.
- Bringing water into teaching and learning, so that our tamariki and mokopuna grow their understanding of local waterways and what it means to care for water.
- Supporting catchment-based planning and local action, so that community groups have
 information, support and connections to lead local solutions for local problems and
 strengthen relationships with water in their community.

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Number	Recommendation
Connecting c	ommunities with waterways and piped streams
5	Greater Wellington, mana whenua and territorial authorities work with communities located around piped and above-ground streams to share those streams' stories through visual images, signs, sculptures, temporary artworks or other interactive ways that the communities design.
6	Greater Wellington works with mana whenua to name unnamed streams, including those currently piped underground, starting with large streams and then smaller streams within the whaitua (by 2026).
7	Greater Wellington and territorial authorities add information to property Land Information Memorandum (LIM) reports about wetlands and streams that a property drains to and its pathway to the sea; the source of the property's water supply; and the treatment of its wastewater.
	er into teaching and learning
8	Mana whenua, community groups and Greater Wellington take advantage of opportunities to get involved in the refresh of the National Curriculum, which guides teaching and learning in schools, with a focus on how well it identifies and grows capabilities that will help realise aspirations for communities that care for wai and te taiao.
9	Mana whenua, community groups and Greater Wellington work with early learning centres, schools and kura to develop local resources and supports that help teachers and kaiako to provide teaching and learning that connect tamariki with their local waterways, including piped streams, and grow their understanding of the interconnectedness of the wellbeing of our communities and Whaitua Te Whanganui-a-Tara.
Supporting ca	atchment-based planning and local action
10	Greater Wellington, mana whenua and territorial authorities establish services to support new and existing catchment or community groups (by 2025), including for: Providing access to easy-to-use data from all relevant sources, including citizen science, especially data that is relevant to each group's locations and needs Inspiring and supporting the formation of new groups Funding ongoing organisational and technical support, including lab analysis Supporting citizen-led science and monitoring with appropriate training and tools Mātauranga monitoring Providing specialist support (such as engineering and legal support, help with navigating local government politics, and communication guidance) Supporting catchment coordinators for catchment-scale projects and help with project management, people facilitation and fundraising (it includes tapping into the wider volunteer base) Offering guidance on where to put the best efforts and take actions, consistent with the kawa and Te Mana o te Wai.

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11	Greater Wellington creates cross-whaitua structures and services that support a coherent and connected approach to local action knowledge-sharing. These should include: Spatial and catchment-level planning that helps coordinate efforts aimed at meeting Te Mana o te Wai and community goals, and makes roles and responsibilities clear Community-to-community knowledge exchange and connecting groups The provision of transparent and clear mechanisms for accessing and allocating funding and services, including expert knowledge The provision of frameworks and supports that give community groups confidence that they are working in the interests of mana whenua A strategic approach to the use of council support services (such as Mountains to Sea Wellington) Providing a single contact point for questions and advice for all the
	agencies involved.
12	Greater Wellington and mana whenua develop resources (by 2024) that community groups can use and adapt for their own communication with local communities, to help build understanding, connections and involvement that complement messages and campaigns by councils and water agencies.
	Specific themes to include are:
	 Where drinking water comes from, and the relationships between activities in the Hutt Valley and risks to the Waiwhetū aquifer Awa as tīpuna, living entities of distinctive mana and whakapapa Our responsibility to respect the awa and their mana, and act on this in
	our behaviour with water
	The state of our waterways, including for different places
	Action being taken, including for different places
	Actions people can take, including those specific to their local areas.
13	Greater Wellington, mana whenua and territorial authorities partner with communities in developing catchment plans, co-designing their journeys and sharing the delivery process and roles required to achieve Te Mana o te Wai and local outcomes. This will help groups to know where to put their best efforts and provide clear resourcing strategies to follow through with their plans.
14	Greater Wellington works with mana whenua and catchment groups to make
	data easily available and accessible in a user-friendly way, including through
	the use of aggregated data.
1 5	Greater Wellington provides more specific, local information on water quality
_	to communities – through making existing data more readily available and
	collecting new data, including via citizen science programmes, Greater
1	Wellington monitoring programmes and the integration of the two (where
	appropriate).

Avoid toxic algal blooms

The increased size and frequency of toxic algal blooms in Te Awa Kairangi/Hutt River and our other major rivers is a direct risk to dogs and humans. These organisms are a major public concern and make those who visit the rivers wary of going to, using and enjoying them, often at the time of year when they're at their best.

Our vision for Te Awa Kairangi/Hutt River is that toxic algal blooms will be rare and the river will be in balance with the land and its communities, including people. At all points in its journey from the mountains to the sea we'll be comfortable engaging with the river to nourish ourselves physically and spiritually.



The ecological and physical systems that influence the growth of toxic algal blooms are complex. Many of our recommendations in this WIP are expected to help reduce their frequency and size by reducing nutrient availability. But we just don't yet understand enough about how to best avoid creating the conditions in which toxic algal blooms can thrive and more research is needed (see Recommendation 111).

Communities, mana whenua and Greater Wellington need to continue working closely together on how best to enable people to continue connecting with the awa they love. This means avoiding interaction with toxic algal blooms when they occur in the short term, while working towards a future where they are no longer a problem.

Number	Recommendation
16	Greater Wellington, with mana whenua and communities, develops a toxic algal bloom action plan that includes: • Management actions • A monitoring plan specific to toxic algae • Research priorities
	 Climate change adaptation A communications approach that supports community and mana whenua visions and outcomes.

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Address sources of pollution and reduce future risks

Water is life. It nourishes us and all of nature around us. It is essential to our modern way of life, which is why humanity's impacts on water must be looked at closely. Too often our precious water is inadvertently contaminated by human activities, even when we rely on the very same water to sustain us. Living a good life doesn't need to threaten the mauri of water, but it does require a significant step up in how we manage ourselves and our impacts. We need to address current sources of pollution and find ways to minimise the chance of pollution occurring in the future. Our recommendations are focused on the most important issues affecting the health of water in this whaitua:



- Appropriate waste and stormwater management
- Appropriate rural land use practices
- Council leadership to ensure best practices that do right by water
- Avoiding and managing risks from the use of contaminants
- Identifying and addressing risks to water from historic contaminated land
- Paying extra respect to water sources.

Appropriate waste and stormwater management

Water is used to transport our waste away in ways that protect public health. Protecting the mauri of water requires water used for this purpose to re-join the waters of Te Awa Kairangi/Hutt River or Te Whanganui-a-Tara and the coast in the same state that it entered the system. Systems for transporting wastewater should only deposit the wai mate (and the human waste it contains) at its destination — a septic system in rural areas or a sewage treatment plant in urban areas. However, we've found that there are several problems with both urban and rural wastewater systems in our whaitua.

Wellington's water crisis is well known and has attracted considerable media attention. A great deal of work is needed to bring our infrastructure up to scratch, while at the same time the population in our whaitua is only going to grow — adding more stress to an already creaking three waters system and raising the risk of pipes bursting and contaminating the environment.

This situation has arisen because the pipes in the urban wastewater system haven't been maintained properly. They're now failing regularly, allowing wai mate to enter the soil and our natural waterways. A pipeline grading assessment (where grade 1 pipes are in very good condition and grade 5 in very poor condition) shows that 32 per cent of the network of wastewater pipes in our whaitua — around 550km — is in grade 4 or 5 and in urgent need of repair or replacement.

The same thing may be happening to pipes in private ownership, which we understand comprise more than half of the wastewater network. While we have very little information on the condition of those pipes, many are likely to be in their original condition and (based on our knowledge of the public network) leaking wastewater into the environment.

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There are situations where new public pipelines are being installed and connected to existing private pipelines, of which some are more than 60 years old. This highlights the importance of ensuring that the three waters infrastructure on private land is up to standard, otherwise we'll only solve half the problem. The entire network, both public and private, needs to be improved.

Stormwater has also been allowed to enter the wastewater system, to such an extent that the wastewater pipes can't cope when it rains. To prevent this from causing wastewater to flood back into houses, engineers have built overflows that deposit the excess water (including human waste) into our streams and rivers. We consider this unacceptable.

In areas that do not have access to municipal wastewater systems, landowners often use septic systems to treat waste from their property. Many of these systems are old (some date from the 1940s or even earlier) and have not been adequately maintained. As a result, these septic systems often leach untreated waste into the soil, from which the contaminants can enter water bodies. This situation is not acceptable and should not continue. We believe that landowners with septic systems need to have access to information about the proper maintenance of these systems, and that Greater Wellington should investigate just how big the impacts of leaching systems are.

Because overflows or leaching of untreated wastewater is a major environmental and cultural issue, our recommendations set a tight timeframe for repairing and replacing leaky wastewater pipes in both public and private ownership. Our recommendations include:

- Preparing plans within stormwater and wastewater resource consents, so that there is a
 clear investment pathway for addressing issues in the municipal network.
- Repair and renewal of the public wastewater pipe network, so that people can be confident
 that pipes are fit for purpose and will keep wastewater out of local waterways.
- Stopping wastewater overflows, so that our systems reflect the complete unacceptability of sewerage polluting our waterways.
- Identifying and fixing degraded pipes and cross-connections in private parts of the network, so that urban property owners are supported to take responsibility for problems associated with their own pipes.
- Creating safety nets to avoid new problems arising in the future, so that we can be confident
 that private pipes are being maintained as well as the public ones.
- Reducing sludge to landfill, so that dealing with solids left over from wastewater treatment
 doesn't come at the expense of the natural environment.
- Ensuring rural wastewater systems are well maintained, so that rural property owners are supported to take responsibility for problems associated with their septic systems.

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Number	Recommendation
Preparing pla	ans within stormwater and wastewater resource consents
17	Greater Wellington amends regulatory documents to require the relevant three waters agency to develop a stormwater strategy (by 2023), within the global
	stormwater network resource consent, to contribute to achieving the relevant first steps in each of the catchment tables under the heading 'Journey from current state to wai ora'.
18	Greater Wellington amends regulatory documents to require the relevant three waters agency to develop a strategy/plan (by 2023), within the wastewater network resource consents, to contribute to achieving the relevant first steps in each of the catchment tables under the heading 'Journey from current state to wai ora'.
Repair and re	enewal of the public wastewater pipe network
19	The relevant three waters agency increases the number of repairs and renewals in the public wastewater infrastructure (aligning with the strategy in Recommendation 18) to ensure that: • By 2033, no more than approximately 22 per cent of the wastewater pipe
	network will be worse than grade 3 (average condition)
	By 2040, no more than ~12 per cent of the wastewater pipe network will be worse than grade 3 (average condition)
	 By 2050, no wastewater pipe assets will be below grade 3, and asset management plans will be actively identifying and replacing ageing pipes or pipes in poor condition.
Stopping was	stewater overflows
20	Territorial authorities and the relevant three waters agency prioritise the repair and replacement of public wastewater assets that lead to overflows on private or public land.
21	A target of zero wastewater overflows (by 2060) is achieved, except in infrequent situations (such as pump failures or rainfall events) with a >25-year average return period (ARI). ¹ - ²
	To meet this goal, we recommend implementing six-yearly targets for reducing wastewater overflows set out in the relevant three waters agency's 2024 wastewater strategy and resource consent. These overflow reductions must align
	with our obligation to achieve the relevant first steps in each of the catchment tables under the heading 'Journey from current state to wai ora' and the primary contact recreation national bottom lines set by central government by 2040.
22	The relevant three waters agency investigates, and reports to, Greater Wellington and mana whenua (by 2022) on the feasibility of pre-treating wastewater
	overflows and any locations where this could be prioritised for upcoming Long Term Plan reviews.

¹ While we appreciate flooding events can result in wastewater contamination in the environment, we should not accept this as 'normal practice' for the wastewater network. By 2060, we expect the wastewater network to be of such a standard that it does not leak wastewater and that overflows only happen under unplanned or extreme events.

26

 $^{^2}$ A 25-year average return period (ARI) is a storm of a certain size and duration that could be expected to occur once in a generation, which has a four per cent probability of occurring every year. While historical records indicate this storm should occur every 2 5 years, it could occur more than once over this period, but the probability would be low. Similarly, a 100-year ARI storm could occur twice in one year, but the probability would be very low.

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23	The relevant three waters agency increases its monitoring of wastewater
	overflows across the network, with the aim of identifying faults through increased
	data collection (by 2025). The identified faults are to be repaired in line with the
	timelines specified in Recommendations 19, 27 and 28.
	nd fixing degraded pipes and cross-connections in private parts of the network
24	Greater Wellington amends the relevant regulatory documents, and the relevant
	three waters agency increases its investigations of, the public/private water
	networks (by 2030) to identify all cross-connections (wastewater connected to
	stormwater) and inflow faults (stormwater connected to wastewater).
	The control of the co
	The assessed pipe conditions and any faults are to be recorded on the relevant
25	properties' LIMs and updated as repairs are made.
25	Greater Wellington amends the relevant regulatory documents on, and the
	relevant three waters agency increases its investigations of, the public/private
	water networks (by 2040) to identify all groundwater infiltration (to the
	wastewater network) and wastewater leakage (exfiltration).
	The assessed pipe conditions and any faults are to be recorded on the relevant
	properties' LIMs and updated as repairs are made.
26	All territorial authorities provide financing mechanisms (subject to appropriate
20	terms and conditions) no later than 2024 to assist landowners to fix faults in
	private laterals. These mechanisms could be deferred payments collected through
	rates, or territorial authorities could recover the costs when the properties are
	sold.
	Territorial authorities and the relevant three waters agency also provide
	supporting advice to private landowners on their rights and responsibilities
	regarding private laterals.
27	Territorial authorities apply their existing powers under the Local Government Act
	1974 and Health Act 1956 to ensure landowners repair all faults related to cross-
	connections (wastewater to stormwater) and inflows (stormwater to wastewater)
	within two years of their identification.
	Cross-connection and inflow fault repairs on private land may be undertaken by
`	the relevant three waters agency. However, the costs are to be covered by the
	landowners either directly or through other funding mechanisms (see
	Recommendation 26).
28	Territorial authorities, through the relevant three waters agency, apply their
	existing powers under the Local Government Act 1974 and Health Act 1956 to
	ensure that:
	All identified leaky private wastewater laterals, including infiltration and (or oxiltration looks are fixed within five years of identification).
	and/or exfiltration leaks, are fixed within five years of identification. Enforcement action is to be taken if the fixes are not made in this
	timeframe
	By 2045, all identified leaky private wastewater laterals have been fixed
	and an ongoing cycle of maintenance is in place
	A database is developed and maintained of the conditions and ages of all private
	and public assets in the three waters network.
	i and public assets in the timee waters network.

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Creating s	safety nets to avoid new problems arising in the future
29	By 2025, territorial authorities and the relevant three waters entity develop a process (such as a 'warrant of fitness'), through which the condition of private laterals is assessed at the point of a property's sale or when a building consent application is lodged. The costs are to be covered by the property owners. The condition of these laterals, and any faults revealed through the process, are to be recorded on the properties' LIMs with the information updated as repairs
	are made (aligning with the timelines in Recommendations 27 and 28). Once the repairs are complete, an ongoing cycle of inspection and maintenance should be established.
30	By 2024, territorial authorities establish a complete set of regulatory and policy measures that: • Require landowners to repair all failed private laterals and record these
	failures on their LIMs until the repairs are complete
	Provide a funding mechanism to support landowners in making these repairs
	(such as instalments on their rates bills or councils recovering the costs when
Poducina	properties are sold). ³ sludge to landfill
31	Relevant three waters agency investigates methods (by 2025) to significantly
"	reduce sludge going to landfills from wastewater treatment plants.
Ensuring r	rural wastewater systems are well maintained
32	Greater Wellington and territorial authorities provide good-practice information and advice to septic tank owners.
	They also develop a programme for regular septic tank investigations undertaken in rural/lifestyle areas in the whaitua, with the aim of improving their understanding of the impact of septic tanks on water quality, ecology and public health.
	Where septic tanks are identified as affecting water quality, ecology or public health, territorial authorities or Greater Wellington are to work with the relevant landowners to reduce these effects by repairing, replacing or enhancing their septic systems and having an ongoing cycle of maintenance.

28

³ Modified from WCC Mayoral Task Force Review on three waters, Recommendation 23.

Appropriate rural land use practices

Rural areas should be thriving, productive places where freshwater is valued and water quality is the best it can be. Many rural landowners are already working hard to achieve this, but the challenge involves many properties across a complex terrain, and it is often hard to gauge the wider impact of improvements made at the property/farm level.

The biggest impacts from activities on rural land are high levels of sediment and *Escherichia coli (E. coli)*. Clearances of vulnerable land in the past have



increased the amount of sediment entering waterways from hillsides and stream-bank erosion, and *E. coli* is entering streams via a range of human, livestock and avian sources. As in our urban environment, an integrated catchment management approach, which is informed by local monitoring information and involves the whole community, will be most effective for identifying contaminant hotspots and targeting the effort involved.

There are a number of national rules already being rolled out around farm planning and stock exclusion, so we have focused our attention on local needs. Landowners affected by national rules will need support to target implementation well in the context of their land and the wider catchment. But an approach of only applying the national rules in our rural catchments is not enough to uphold Te Mana o te Wai and. Just as we expect of landowners and businesses in our urban environment, all rural landowners need to be taking action to reduce impacts on water and enhance the environment.

Plantation forestry can have benefits for water quality, but it also brings a high risk of sediment loss in the years after harvesting, particularly in the headwaters of Te Awa Kairangi/Hutt River. Unfortunately, the evidence we have heard suggests that good-practice sediment management in line with national rules is not yet being consistently used. This suggests a need to ramp up investigations of, and prosecutions for, poor management with greater accountability to communities affected by the consequences of poor practice.

Our recommendations include:

- Supporting implementation of national regulations and beyond, to better protect waterways, small streams and manage contaminant hotspots through a local community catchment approach.
- **Developing local monitoring information**, to better inform Freshwater Farm Plan development.
- Supporting best practice and monitoring compliance of forestry operations, so the amount
 of sediment entering our waterways is reduced.

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Recommendation
plementation of national regulations and beyond
Greater Wellington provides sufficient Land Management advisory resources
and funding to:
 Support the implementation of actions at property and catchment
levels to achieve catchment plan objectives
 Support landowners' implementation of national stock exclusion rules
 Help link farmers' action (including through their Freshwater Farm
Plans) to catchment plans, and help small block owners to link their
actions to catchment plans
Support the implementation of Freshwater Farm Plans to ensure
quality delivery of farm planning services and effective connections to
catchment plans
 Promote the uptake of best management practice, and ensure open
communication between landowners and Greater Wellington to keep
best practices up to date
 Integrate advice to landowners with other relevant objectives to
achieve co-benefits (e.g., carbon sequestration, biodiversity)
Greater Wellington supports landowners to exclude livestock from waterways
by:
 Helping them to develop and implement practices that minimise stock
access to streams not covered by regulations
 Investigating the specific impacts of horses on water quality and
considering further stock exclusion regulations if they are identified as
a significant source of contaminants.
Greater Wellington investigates alternative incentives (e.g., rates rebates) to
increase landowners' uptake of revegetation projects, including projects using
native plant species.
This and is a satistical to be decreased with massively and assist transfer
This applies particularly to landowners with marginal and erosion-prone land
(to reduce erosion and sediment loss), wetlands (for nutrient stripping, etc), and rural catchments generally (to slow flood flows further down the
catchment).
ocal water-quality information
Greater Wellington supports the development of property-specific information
to inform Freshwater Farm Plan development, particularly for managing diffuse
discharges, CSA (Critical Source Area, i.e., hotspot) management, riparian
planting (to complement stream fencing regs), and management methods for
those streams where stock exclusion rules do not apply.
est practice and compliance of forestry operations
Greater Wellington provides enough staff and resources to:
 Work with forestry groups (New Zealand Farm Forestry Association, New Zealand Forest Owners Association) and contractors to provide
proactive advisory support that includes ensuring all forestry operators
are aware (by 2023) of relevant regulatory requirements and good
practice
Ensure all forestry operators in the whaitua are monitored for
compliance with the National Environmental Standard for Plantation

30

Forestry (NES-PF) and other relevant requirements from 2023 onwards, and share this monitoring information with the community

• Take enforcement action on non-compliance.

Council leadership to ensure best practices that do right by water

People and organisations throughout New Zealand have key roles in improving the quality of our freshwater and its environment, from those who work with water or have responsibility to protect freshwater, to the plumbers, developers and industries that rely on it to run their businesses.

Greater Wellington has an important role in leading the way in best-practice environmental management for green spaces, farms and forests, public transport systems and its own vehicle fleet. Other countries are phasing out copper brake pads with the aim of improving their water environments and preventing poisoning in rivers and



streams – councils need to lead by example in using copper-free alternatives in their car fleets.

Councils also need to consistently expect all land use and activities to put water first. We know there are many examples of excellent professional practice, but there are still areas for improvement. Te Mana o te Wai is the responsibility of us all, so all urban development needs to use water sensitive urban design (WSUD). Land use and activity rules designed to protect water need to be enforced, with consequences based on the principles of restorative justice for water and local communities. *Te Mahere Wai* also includes a proposed restorative justice approach.

To increase council leadership to ensure best practices that do right by water, our recommended actions focus on:

- Councils leading by example, so that they are not asking others to do what they are not doing themselves, and to support an ongoing focus on evolving to better practices.
- Consistent enforcement of rules that protect water, so that there is transparency and growing trust that people will be held to account if they're not playing their part.

Number	Recommendation
Councils lead	ding by example
38	Greater Wellington and territorial authorities:
	 Are exemplars of good practice on all council-owned land and infrastructure, including contaminated land, farms, forestry land, wetlands and golf courses. Provide information on how good-practice decisions have been made. Report publicly on their year-on-year improvements.
39	Greater Wellington, territorial authorities and the relevant three waters agency set an example by ensuring that (from 2022), their fleet vehicles are renewed with copper-free brake pads or replaced by vehicles with these pads.

31

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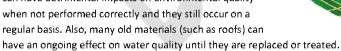
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Consiste	nt enforcement of rules that protect water
40	Territorial authorities review and strengthen their plumbing consent and code compliance processes (by 2024), to ensure there are clear accountabilities and consequences for compliance transgressions and ultimately a low risk of future illegal cross-connections. ⁴
41	Greater Wellington and the relevant three waters agency engage with and express the importance of environmental consequences to the Plumbers, Gasfitters and Drainlayers Board, relevant professional regulatory bodies and industry organisations. These organisations shall: • Together improve their systems of communication and reporting for
	 disciplinary complaints Become active and consistent in reporting discovered evidence of substandard tradesperson work, especially for instances of illegal wastewater to stormwater connections Apply disciplinary action as set out under the defined offences in section 89 of the Plumbers, Gasfitters, and Drainlayers Act 2006.
42	The relevant three waters agency works with industry organisations to reinforce or improve standards, communication and training for best industry practice. Priority should be given to industries where there is high interaction with the stormwater and wastewater network (e.g., painters and cleaners).
43	Greater Wellington investigates and considers adopting new mechanisms to improve compliance (such as restorative processes and requiring bonds for earthworks and forest harvesting).

Avoiding and managing risks from the use of contaminants

Some contaminants can have toxic and visual effects on freshwater and coastal environments. While we have many recommendations that look at changing our practices and increasing levels of treatment (such as implementing WSUD under the 'Making water sensitive urban design the norm' section), these recommendations do not specifically target the sources of all contaminants.

The recommendations below recognise that some practices (such as washing cars or cleaning paint brushes) can have detrimental impacts on environmental quality when not performed correctly and they still occur on a





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⁴ Adapted from <u>WCC Mayoral Task Force Review on three waters</u>, Recommendation 22.

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Number	Recommendation
44	Greater Wellington and mana whenua work with territorial authorities to ensure that all large green spaces (e.g., parks, school grounds, golf courses) are managed to reduce the infiltration of fertiliser into groundwater and waterways, with plans in place (by 2023) that include public reporting.
45	With input from the relevant three waters agency (by 2026), Greater Wellington and territorial authorities develop or amend regulatory instruments to help reduce the risk of contaminants entering the stormwater system. These could include: Painting and/or replacing old roofs to reduce the prevalence of heavy metals Washing paint brushes or cars Treating runoff from carparks and roads.
46	Greater Wellington and territorial authorities develop a scheme to support the painting or replacing of large-scale high zinc-yielding roofs, which could include education, advice and incentives.
47	Greater Wellington and territorial authorities develop a scheme to reduce the impacts on waterways from the washing of cars.
48	Greater Wellington and territorial authorities investigate options to minimise the impacts of agrichemical sprays on waterways and report on options (by 2025).
49	 Greater Wellington, territorial authorities, the relevant three waters agency and relevant industry groups develop and implement a pollution prevention programme. This will be outlined, delivered and monitored through various mechanisms. The programme must: Raise the awareness of the public about what they can do to reduce their impacts on harbour and stream health Promote and incentivise industry good management practice, targeting high-risk land-use activities that contribute relatively high levels of contamination Identify and target priority areas for contaminant reduction based on the identification of catchments that contribute to localised hotspot areas Investigate opportunities to enable change by streamlining regulatory processes and removing barriers to businesses and industries initiating change Work with specific industries/suppliers to increase understanding around risks from exterior chemical cleaning products, with an aim to reduce usage through point-of-sale warnings and changes in product care advice.
50	Territorial authorities and the relevant three waters agency work together in high-risk areas to increase and prioritise regular street sweeping and sump clearance. They also need to investigate other opportunities to capture and clear contaminants from stormwater drains, including those to increase awareness and education with residents and businesses about how they can reduce contaminants (e.g., litter ending up in waterways).

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⁵ Modified from <u>WCC Mayoral Task Force Review on three waters</u>, Recommendation 12.

Identifying and addressing risks to water from historic contaminated land

Our whaitua has dozens of closed sites (such as factories, quarries, landfills and cemeteries) that have been contaminated by chemicals. Even though these facilities are not operating any more, some may still pose a risk to water quality due to leaching of contaminants which can harm our streams, rivers, aquifers and harbour. Current activities can also be contaminating land (e.g., landfills), but the risk of these activities to water quality and aquatic ecosystems is closely managed through resource consents.

There are likely to be many contaminated sites in our rohe that we don't know about. We need to understand the size of the challenge ahead, so councils must prioritise working

with landowners to find these sites, identify their effects on water quality, and try to stop any contaminants affecting the environment. This is important for private land, because landowners might not have caused the contamination, may not be aware of it, or may not have the funds to remediate the land. Local knowledge and vision will be vital to this process. Councils should also lead by example on publicly owned land by taking steps to manage the risks to water quality, particularly from closed landfills.

Number	Recommendation
51	Greater Wellington works with territorial authorities, mana whenua and landowners to identify and document (by 2026) the locations of potentially contaminated land, including landfills, and the risks to water quality and aquatic ecosystems.
52	Greater Wellington, territorial authorities and mana whenua work with owners of land with contaminated sites to further investigate, monitor, develop and implement remediation plans for those that pose medium-to-high risks to water quality and aquatic ecosystems. These plans are to be developed within five years of the identification of these sites, and those posing high risks to water quality are to be prioritised for remediation.
53	Agencies involved in the remediation of contaminated land affecting water quality and aquatic ecosystems include mana whenua in decision making and involve, consider and contain the visions and ideas of community groups in the planning and implementation, including as part of developing catchment plans (see Recommendation 13).

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Paying extra respect to water sources

The hierarchy of obligations under Te Mana o te Wai provides for the health needs of people, as a second priority behind the health and wellbeing of waterbodies. But by protecting water sources, such as te mātapuna (headwaters) and aquifers, we also protect communities' health and wellbeing by providing for safe drinking water.

Keeping nitrates out of our drinking-water sources, for example, will protect the health and wellbeing of waterbodies and people. We are fortunate in our whaitua to have low levels of nitrates in our water supply sources and our recommendations intend to keep it that way.



Recent studies suggest the maximum allowable level for nitrate-nitrogen in drinking water (11.3mg/L) may be too high when accounting for the risk of colorectal cancer. Our recommendation to maintain nitrate-nitrogen in our water supply sources in the 'A' band (< 1mg/L) will future-proof against this potential risk.

Drinking water sourced from rivers in the Hutt Valley, Wainuiomata and Ōrongorongo catchments is well protected through the designation of 'water collection areas' (land above the water takes that is owned and managed by Greater Wellington and Wellington Water to provide safe drinking water).

The quality of drinking water at greatest risk is that in the aquifers in the Hutt Valley, where a city sits above them. The Waiwhetū aquifer is an essential source of drinking water, sometimes providing up to 70 per cent of our supply in summer. Investigations after a bacterial contamination event in 2016-17 found that the aquifer was more vulnerable to contamination than previously thought. Further investigations are needed to better understand our aquifers to better manage risks to water quality and ecological health (see Recommendation 108).

Those living above aquifers have a role in managing the risks to them from their activities. Implementation of many of our recommendations will help better protect the aquifers, but councils, mana whenua and communities need to work together to investigate risks, prioritise actions and closely manage activities that create risks. Any work will need to align with regulation changes about drinking-water sources, signalled as part of the Three Waters Reform Programme.

Number	Recommendation
54	Greater Wellington, mana whenua, Hutt City Council, Upper Hutt City Council, the
	relevant three waters agency and the community actively work together to better
	protect the current and future sources (surface water and groundwater) of human
	drinking-water from emerging threats.
	They do this by investigating the risks associated with water quality and quantity and managing activities that may adversely affect this (such as land use and contaminant discharges). This may include developing district and regional plan provisions and other methods.

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Balance the needs of water and people in the places we live

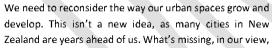
Te Mana o te Wai requires us to prioritise the health and wellbeing of water bodies and freshwater ecosystems first. While there are notable examples of past decisions that have done this (such as the areas which protect our drinking-water sources and our 'green belt'), for the most part the current design of the places we live in reflects decisions that have prioritised economic wellbeing at too great a cost to our relationship with water and its health.

Re-balancing things will not be easy, but there are ways we can start doing things differently so that our tamariki and mokopuna inherit an environment working more in harmony with water than what we have today. By putting water at the centre of our thinking we can re-imagine possible futures, identify the opportunities and work out how to overcome perceived constraints. To make a start our recommendations are focused on:

- Making water sensitive urban design the norm
- · Approaching flooding risks in ways that better respect natural processes
- Protecting and restoring wetlands
- · Letting the fish move freely throughout the whaitua.

Making water sensitive urban design the norm

Urban development disrupts natural cycles. Urban growth has cleared and contoured land to establish built environments with largely impermeable surfaces, introducing new (emerging) contaminants and increasing existing contaminants into the environment, with little treatment along the way. This results in reduced water storage and natural treatment, and a reduction in stream flows to maintain the remnant ecosystems.





are strong requirements and an easy-to-follow regulatory and design pathways to incorporating WSUD into any new developments. In our cities we must also install in new developments (and the existing built environment) more natural stormwater systems ('green infrastructure') to treat contaminated water at its source. We must also drive a community-wide and industry-wide shift that considers environmental impacts at the household level.

Councils are responsible for controlling urban developments and should ensure their rules require the widespread use of WSUD. This is because WSUD uses interventions (such as rainwater/stormwater harvesting, rain gardens, constructed wetlands, swales, green roofs and permeable pavements) to reduce water-quality impacts and reduce peak wet weather flows through naturalised treatment processes. This would be a game-changer and help to rekindle our connections to water and the environment, especially for our children.

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Me Heke Ki Põneke

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To realise our vision of WSUD being the norm for our urban environments, our recommendations focus on:

- Creating a consistent approach to WSUD across the whaitua, so that it is easier for people to
 understand expectations and to ensure equal care for water no matter where in the whaitua
 development is happening.
- Supporting people to make the most of WSUD, so good decisions are made that maximise
 the benefits for water and people and take account of the wider catchment context.
- Being smarter about approaches to stormwater management, so that we achieve a more natural water cycle and make good use of water where it falls.
- Ensuring green infrastructure is maintained, so that it remains fit for purpose throughout its life

Number	Recommendation
Creating a cons	sistent approach to WSUD across the whaitua
55	The relevant three waters agency's (currently Wellington Water) Regional Standard for Water Services should incorporate WSUD stormwater and water conservation interventions. ⁵
	Also, territorial authorities' codes of practice and district plans should be amended to refer to the Regional Standard for Water Services (where applicable) by 2025, and should be mandatory for all developments (greenfield, infill/brownfield and re-development, including infrastructure). It should be supported through education programmes for contractors, community groups, and the design and engineering community.
56	By 2022, Greater Wellington convenes a WSUD working group with mana whenua, territorial authorities, the relevant three waters agency and Waka Kotahi.
	The group will need to be funded to cover its wide-ranging work, which will aim to:
	 Resolve barriers to WSUD in the Wellington Region Identify opportunities to retrofit WSUD and green infrastructure into the existing urban environments, incorporating communities and catchment-level planning
	 Identify opportunities to 'daylight' piped streams and restore existing streams to promote community connection, habitat restoration and flood mitigation
	Lead by example in promoting new WSUD initiatives.
	The working group should be part of Greater Wellington's newly established regional stormwater forum. It should also collaborate with key stakeholders (such as developers and commercial, industrial and residential community groups), and help provide education and training material/programmes for contractors.
57	By 2025, Greater Wellington, mana whenua and territorial authorities amend the relevant planning documents to retain, restore and enhance the natural drainage system – so that they require hydraulic neutrality and water-quality treatment in urban catchments through WSUD.

 $^{^{6}}$ Modified from WCC <u>Mayoral Task Force Review on three waters</u>, Recommendation 7.

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Supporting peopl	le to make the most of WSUD
58	Greater Wellington and mana whenua, together with territorial authorities and the relevant three waters agency, develop (by 2025) a comprehensive suite of regulatory and non-regulatory interventions for new property developments and infrastructure, to be implemented through WSUD via a catchment-management approach.
	These interventions would include water impact assessments, rainwater/stormwater harvesting, rain gardens, constructed wetlands, green roofs, improved sump maintenance, strategic street sweeping and permeable pavements to reduce water-quality impacts and reduce peak wet weather flows. Existing properties and infrastructure should be retrofitted using this WSUD approach whenever opportunities arise (e.g., at the end of an asset's life).
59	The relevant three waters agency: Develops a standardised tool (by 2025) that can be used to assess a development's potential contributions of contaminants and hydrological impacts Recommends potential options to mitigate these effects using site-appropriate WSUD green infrastructure. This supports the global stormwater strategy (Recommendation 56) and
	Recommendation 58.
Being smarter ab	out approaches to stormwater management
60	By 2025, Greater Wellington and territorial authorities amend the relevant planning documents so that all resource consents for property developments and infrastructure upgrades/repairs require the minimisation of stormwater effects and achieve hydraulic neutrality on-site. Where this is not possible or practical on development sites, a formal stormwater offsetting programme could be adopted to fund more efficient centralised systems in the public realm. ⁸
61	Territorial authorities amend regulatory documents, while working with the relevant three waters agency, to (by 2035) reduce the effects of stormwater flooding on public health, safety and property by further integrating the use of roads and open spaces (such as parks and sports grounds) to act as overland flow paths and flood storage. ⁹
Ensuring green in	nfrastructure is maintained
62	By 2024, territorial authorities work with the relevant three waters agency to develop an approach to the ownership and management of green infrastructure for property developments, and ensure this infrastructure meets appropriate standards when being vested to council ownership. ¹⁰
63	Territorial authorities ensure that (by 2024) all green infrastructure is adequately capitalised and depreciated to provide funding for ongoing maintenance and renewals. ¹¹

 $^{^7}$ Modified from $\underline{\text{WCC Mayoral Task Force Review on the three waters}}$, Recommendation 6.

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⁸ Modified from WCC Mayoral Task Force Review on three waters, Recommendation 8.

 $^{^{9}}$ Modified from $\underline{\text{WCC Mayoral Task Force Review on three waters}}$, Recommendation 14.

Modified from WCC Mayoral Task Force Review on three waters, Recommendation 10.
 Modified from WCC Mayoral Task Force Review on three waters, Recommendation 11.

Approaching flooding risks in ways that better respect natural processes

Flooding can affect many parts of the whaitua, in both rural and urban settings. This can occur from small streams overtopping their banks, surface ponding due to insufficient stormwater system capacity, or even large-scale and extensive flooding when a river burst its banks. Much of the urban environment has developed on floodplains, with the largest supporting over 70,000 people around Te Awa Kairangi/Hutt River.

To keep these communities safe, we rely on stop-banks to constrain the river's flow and keep it away from people and houses. However, while this keeps us safe, the process can damage habitats, remove swimming holes



and mahinga kai, and prevent the river flowing in its natural path. Allowing rivers to self-adjust aligns with te Mana o te Wai and can work out cheaper than ongoing hard engineering interventions.

Te Mana o te Wai requires us to change the way we manage rivers, including through flood protection. We can't compromise the safety of our communities, but we must honour the mana and the mauri of the wai (both Te Awa Kairangi/Hutt River and the smaller streams that flow into it). This means flood protection works must balance the safety of communities and the ability of the river to flow naturally, while enhancing swimming holes and habitats, and empowering mana whenua to act as kaitiaki and undertake mahinga kai. We must also not allow new development in areas that we know are at high risk of flooding. Keeping people out of harm's way in the first place is the best way to keep our communities safe.

We're calling on councils to change the ways they manage flooding and the dangers it creates, aligning with Te Mana o te Wai. This change should happen as soon as possible, because it will take a long time for the benefits to appear of giving streams and rivers room to move. We may not reap those benefits ourselves, but our children and grandchildren will enjoy rivers and streams flanked by native trees and surrounded by native birds.

Number	Recommendation
64	Greater Wellington works with mana whenua, community groups and territorial authorities to amend (by 2024) all relevant regulatory documents to ensure: That river management enhances habitat restoration and stormwater treatment along the full length of developed rivers The protection of swimming holes. Specifically, for Te Awa Kairangi/Hutt River, these objectives should be accounted
	for when undertaking flood protection works.
65	Territorial authorities update the relevant regulatory documents (by 2025) to ensure they incorporate up-to-date flood hazard mapping and are supported by rules that prevent property development in high-risk areas.
66	By 2024, Greater Wellington amends the relevant regulatory documents to include policies that aim to avoid unsuitable property development, with reference to setbacks from stream/river margins and hydraulic neutrality.

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	By 2025, territorial authorities incorporate rules in their district plans that: Require WSUD, including hydraulic neutrality in any developments Provide for buildings to be set back from river and stream margins (these setbacks are to provide for āhua and natural character) Restrict development in known overland flow paths (in line with Recommendation 61).
67	Greater Wellington amends the relevant regulatory documents by 2023, while working with mana whenua and territorial authorities to co-design operational guidelines for undertaking flood works on small urban streams, including those on private property.
	 These guidelines would: Leave room for the river, floodwater and natural processes Establish native riparian vegetation, which also gives effect to the values in the NPS-FM 2020.
68	Greater Wellington, territorial authorities, mana whenua and the relevant three waters agency develop plans (by 2030) for the managed retreat and adaptation of three waters infrastructure due to rising sea level.

Protecting and restoring wetlands

Natural wetlands are rich in biodiversity and have a unique role in filtering contaminants from water. They are a natural and essential part of water's journey from the mountains to the sea and are important for slowing the impacts of flooding, cleansing water and as carbon sinks. From micro wetlands that are the source of our streams, to large areas such as the Mangaroa peatland and those wetlands around Lakes Köhangapiripiri and Köhangaterä, they are a highly valued environment that must be protected.



The retention and restoration of our remaining repo

(wetlands) is of great importance to mana whenua who recognise repo for their role as habitat for rongoā (plants able to be used as remedies), mahi raranga (plants and soils used for weaving and construction) and supporting mahinga kai values (places, taonga species and activities relating to cultural harvest).

Unfortunately, most of the wetlands in our whaitua have been lost, and what's left are our most critically endangered habitat. Only three per cent of the original wetland extent remain in Whaitua Te Whanganui-a-Tara. Most of these wetlands are on private land and depend on landowners' efforts for their protection and to avoid further fragmentation and degradation. The Mangaroa peatland is the only deep peat land in the Wellington Region, and while originally 420ha in area it has been affected by draining for more than a century. Draining wetlands has changed them from carbon sinks to sources of carbon dioxide.

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Our goal is to see the remaining wetlands protected and enable degraded wetlands to be restored by communities in a way that does not affect people's housing. Many landowners are already investing in protecting wetlands on their properties, but there is still work to be done. Barriers to taking action

need to be overcome, so that landowners have the information, support and community aspirations to act as kaitiaki for these precious areas. To this end, the committee also supports mana whenua aspirations for the Parangarehu Lakes area.

The further loss or degradation of wetlands is incompatible with our role as kaitiaki, because without wetlands and the species they support the mauri of our waters is diminished. Our recommendations give protection to these rare habitats and acknowledge our debt to them for the physical and spiritual sustenance they provide. Restoration benefits the journey of water from mountains to sea and enhances Te Mana o te Wai.

Number	Recommendation
69	Greater Wellington supports and incentivises landowners wanting to restore
	wetlands and removes barriers for best-practice restoration of the mauri of degraded
	wetlands.
70	Greater Wellington increases the resourcing available to implement and enforce the NPS-FM 2020, National Environment Standards and PNRP provisions about wetland
	identification, protection and restoration.
71	Greater Wellington supports positive relationships with wetland owners, including
	those with wetlands above the Parangarehu Lakes and at Mangaroa. It also provides
	assistance to protect and restore those wetlands.
72	Greater Wellington and mana whenua seek opportunities to develop and restore
	wetland habitat when managing and designing flood protection works and developing
	green spaces.
73	Greater Wellington maps all natural wetlands in the whaitua, as required by the NPS-
	FM 2020. This is to be completed by 2024, rather than the NPS-FM deadline of 2030.
74	Greater Wellington addresses the issues raised in Te Mahere Wai on the
	recommendations about the Parangārehu Lakes area.

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Letting the fish move freely throughout the whaitua

Our streams, rivers, wetlands and lakes are home to a large variety of native and introduced fish. Many people are not aware that within our dense urban footprints some native species may still be present, despite the highly modified environment.

However, life for the fish is not without its problems. As our cities have grown, we've piped the streams that used to flow to the sea and those pipes have made it difficult — even impossible — for fish to migrate between the sea and freshwater. Added to this are other potential barriers (such as poorly installed and maintained culverts, flood gates, ford, weirs and dams, e.g., the Silverstream Weir across Te Awa Kairangi/Hutt River).



The situation is especially grave for mahinga kai – the native fish species, the fish-gathering process and the passing on of knowledge from generation to generation. Blocking the fish passages threatens not only their survival, but also the kaitiaki role and cultural practices of mana whenua. With so many native fish species under threat of extinction, change is urgently needed.

To start with, we need to understand the scale of the problem by identifying all the barriers in our whaitua, then find ways to remove them. Greater Wellington can start this process, but we know that mana whenua will be the key to the programme's successful implementation. While councils can help mana whenua in setting up the programme, they simply don't have the mandate, the capacity or the expertise to manage freshwater for mahinga kai.

We understand that restoring fish passages will be a long process, and for that reason our recommendations include priorities (such as the spawning places of mahinga kai species). Also, we believe it will be easier to find and remove barriers to fish passage on public land, so we've scheduled this work ahead of that on private land. Together, we'll enable our native fish to live the way they did before we modified their habitat, restoring mahinga kai and the mauri of our precious water.

Number	Recommendation
75	Greater Wellington identifies all fish passage barriers on public land by 2025 and private land by 2030.
76	Greater Wellington, together with mana whenua, community groups and territorial authorities, works with owners of fish passage barriers to remediate the highest-risk sites by 2040 and all other sites as soon as practical, but no later than 2045. Catchments highly valued for their indigenous fish and mahinga kai species are prioritised and Greater Wellington reports publicly on the identification and remediation progress.
77	Greater Wellington and mana whenua work with territorial authorities to identify (by 2025) and restore (by 2035) the spawning habitats of indigenous fish and mahinga kai species (e.g., inanga) in their rohe.

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Be responsible and respectful in our use of freshwater

Our awa need abundant water to be their true selves and support vibrant freshwater ecosystems. All water we take for our own use is precious – given to us by water as the source of all life. But our way of life uses water in a way that affects water health more than it should. This isn't consistent with Te Mana o te Wai as the health and wellbeing of water bodies and freshwater ecosystems should come first.

The population dependent on the waters of Whaitua Te Whanganui-a-Tara is expected to rise significantly in the coming years, with a corresponding rise in the need for water. However, climate change means rainfall will be more erratic, with occasional longer droughts and bigger storms. Sealevel rise will increase the risk of salt water getting into the Waiwhetū aquifer. Together, these factors mean that unless we change our ways, the health of water will decline.

If we want to realise Te Mana o te Wai and have enough water to thrive in the future, we need to respect water by being more careful with what we take and use. Our recommendations for being more responsible about how we meet the needs of people are focused on:

- Redesigning our water allocation system
- Moving towards more natural flows in our rivers and streams
- · Only using the amount of water we need
- Future planning for our public water supply

Councils, individuals and commercial water users in the Porirua community have the same responsibilities to Whaitua Te Whanganui-a-Tara as those who live here, as their water is supplied from the same sources within this whaitua. Engagement between the relevant councils and three waters agency will be needed to support the Porirua community with the implementation of our recommendations.

Redesigning our water allocation system

Many of our problems can be traced back, in part, to our water allocation systems. We need to transform and redesign these systems if we're to achieve Te Mana o te Wai and give effect to iwi rights and interests. We also need to develop measures to understand what success in giving effect to Te Mana o te Wai looks like for water quantity.

Tweaks within the current water allocation regulatory framework will not be enough to achieve outcomes. Fundamental system change is needed for mana



whenua and communities to be able to realise their aspirations for water use. For instance:

- · We need to rethink the way we source water and supply it to our cities.
- There must be changes in the way people and businesses use and value water.
- There needs to be a better way to decide who can access water, because the 'first come, first served' approach is inequitable and hasn't worked well for mana whenua or the community.

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 We need to consider how we dispose of our sewage, because using large amounts of highquality drinking water to dispose of it is wasteful of the water.

As we restore the mauri of our awa we can build a better system – one in which we look after the water first, in partnership with mana whenua. The transformation of our water allocation system will take time, but changes can be made now to begin that journey and better protect our rivers and streams as set out in other parts of our recommendations.

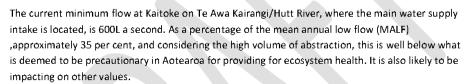
Number	Recommendation
78	Mana whenua and Greater Wellington work together and with input from relevant interested parties, including the three waters agency, to design a new water allocation regulatory regime that:
	 Gives effect to our understanding of Te Mana o te Wai Provides for mana whenua rights and interests, which may include a specific allocation for iwi
79	 Includes m\u00e4tauranga M\u00e4ori in its development and monitoring. Greater Wellington investigates options for iwi allocation in the current regulatory regime.
80	Mana whenua and Greater Wellington work together to develop a framework of how Te Mana o te Wai (for water quantity) can be achieved and demonstrated. This includes agreeing on the process, measures and indicators of success.
	Note: This links to wider attribute work, as the measures can't sit with water quantity alone.
81	Greater Wellington supports mana whenua to develop mahinga kai measures related to water quantity.
82	Greater Wellington, mana whenua and territorial authorities (including Porirua City Council) recognise, promote and provide for the mana of the Te Awa Kairangi/Hutt, Wainuiomata and Ōrongorongo Rivers as awa tupuna for Taranaki Whānui and Ngāti Toa Rangatira. They are treasured taonga and providers of wai ora and hauora (health and wellbeing) for the whole Whaitua Te Whanganui-a-Tara community and Te Awarua-o-Porirua community.

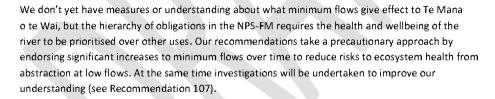
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Moving towards more natural flows in our rivers and streams

While it will take time to re-design our water allocation system, we can make changes to our regulations now that will enable us to reduce the amount of water taken at times of low flows and better protecting our rivers and streams. To move towards more natural flows in our rivers and streams, our recommended actions focus on:

- Changes to minimum flows and allocation amounts, to better protect the health of water and ecosystems through natural cycles of change in water abundance.
- Removing permitted water takes, so that the only takes not consented are for the provision of drinking water for people and livestock.
- Supporting the implementation of new regulations around water takes, so that people know
 the rules and the impact of changes is well understood.





Raising the minimum flows will help achieve a more natural flow that is less affected by water takes, but it will impact on our community water supply. People still need water, which is why we have recommended that the transition happen over a significant length of time. This allows for engagement with councils and community (including Porirua), the community water supply to diversify its sources and create more storage, and for tools to reduce water demand and wastage to be implemented (see recommendations in the 'Only using the amount of water we need' and 'Future planning for our public water supply' sections).

There is a very small amount of groundwater available to be allocated, but we are recommending that the allocation be capped at the existing consented use. This is because aquifers and surface water are highly connected, so taking more groundwater will result in a greater impact on the surface water that is already fully allocated.

In addition to the consented water takes, people can take up to 20,000L of water a day from any stream under the 'permitted activity water take' rule in the PNRP. While evidence suggests people

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don't often take the full amount, if they did, the flow and overall health of our streams would be at serious risk. These smaller streams and the water they carry are vital to the whole whaitua, as they provide important environments for our urban and rural residents and precious habitats for native fish species and mahinga kai.

For this reason, we recommend that the current permitted allowance be replaced with a requirement that people taking water from a stream or aquifer gain a resource consent first. This wouldn't apply to takes that provide drinking water for people and livestock, as these takes are protected under the Resource Management Act.

Number	Recommendation
Changes to min	imum flows and allocation amounts
83	Greater Wellington includes in the PNRP the following water allocation limits for the Te Awa Kairangi/Hutt, Wainuiomata and Ōrongorongo Rivers: Increase the minimum flows over time to 80 per cent of MALF in 50 years' time: The first minimum flow increase must be included in the upcoming plan changes to be notified by 2024 and will apply from the mid-2030s, or whatever date is most appropriate, to ensure
84	that the new minimum flow applies when the bulk water consents to take surface water in the major water supply catchments are renewed • Future increases in minimum flow must be stepped out in line with the bulk water consent renewals • We expect this pathway for increases in minimum flows to be revised as a result of further investigative work to understand the limits that would achieve Te Mana o te Wai, outlined in Recommendation 107. • Cap the amount of water available to be allocated through consents at the existing consented use. Greater Wellington includes in the PNRP the following water allocation limits for
	 all streams (outside the three major water supply catchments): 100 per cent of MALF for the minimum flow 30 per cent of MALF for the allocation limit.
85	Greater Wellington retains the current policy settings that allow the reallocation of any water that becomes available within the allocation limit to be reallocated.
Removing perm	itted water takes
86	Greater Wellington amends the PNRP policy and rule framework in Whaitua Te Whanganui-a-Tara so the region-wide permitted activity rule (R136) no longer applies to this whaitua. Note: Water takes for reasonable domestic use and animal drinking water are still authorised under section 14(3)(b) of the Resource Management Act. All other takes will require a resource consent.

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Supporting the	Supporting the implementation of new regulations around water takes	
87	Greater Wellington amends the PNRP through a plan change (by 2022) to ensure	
	that all water takes requiring resource consent within Te Whanganui-a-Tara	
	require metering. Electronic metering is required by 2027.	
88	Greater Wellington reviews all existing consents in catchments outside the major	
	water supply catchments that haven't expired within five years of the whaitua plan	
	change, to ensure that any updated allocation limits are applied to consents.	
89	In collaboration with catchment communities, Greater Wellington develops a work	
	programme designed for and with landowners (particularly for lifestyle block	
	owners), to ensure they are aware of regulations on the use of water.	
90	Greater Wellington undertakes assessments (e.g., through rural engagement	
	surveys and targeted catchment investigations) to understand any potential	
	changes in the way people are taking unconsented water (section 14(3)(b) of the	
	Resource Management Act about takes).	
91	Greater Wellington increases its flow monitoring in small streams in catchments	
	where land use is changing significantly, or there is thought to be a relatively high	
	potential for change (e.g., rural intensification). This is to establish whether any	
	increase in water use is affecting flows and therefore values.	

Only using the amount of water we need

The large population base in Wellington and the Hutt Valley relies on Te Awa Kairangi/Hutt River and its aquifers for most of its community water supply, and Porirua does as well. In total, about 95 per cent of all water taken in this whaitua is for community water supply. Of that, around 60 per cent is used for residential purposes, 20 per cent for commercial/industrial purposes and 20 per cent is lost to leaks.

Our whaitua has one of New Zealand's highest rates of water use per person — and that's not a statistic to be proud of. Practically speaking, and at the current rate of



use, we can expect more restrictions on water use in the future due to the pressures of population growth and climate change. We must reduce demand and improve water efficiency to both solve our future water crises and have more respect for the mauri of our awa.

Individuals and commercial water users have a vital role in making this happen and need to be supported with information and tools that enable them to make more informed decisions about their water use. Reducing individual use will help overall demand, which is essential to achieving a more resilient water system in the future.

Water tanks are a useful tool for reducing the pressure on the public water supply. We recommend they be installed in residential and commercial properties for purposes that don't require treated water (such as watering gardens). Water tanks also improve people's connection to their water, slow runoff from impervious surfaces, and act as emergency water sources in events like earthquakes.

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Number	Recommendation
92	Territorial authorities and the relevant three waters agency implement universal residential metering to identify water wastage, reduce demand and enable more effective network management. To enable metering:
	 Territorial authorities will consult on how to fund water meters by 2025 The relevant three waters agency will install water meters.
	The whaitua committee recognises that water metering enables a range of mechanisms for reducing demand. These include, for example: leak detection; information provision; the identification of potential excessive users for advice, support and/or fines; and volumetric charging.
	Agreement could not be reached on whether volumetric charging should be introduced as a lever for reducing demand. However, if it is, it will be important to ensure that: • Water assets remain in public ownership • People can access enough water to flourish • Vulnerable communities are not disadvantaged • Water is respected as the giver of life and doesn't become a commodity • It prevents exploitation and excessive use by people who can afford it.
93	The relevant three waters agency provides the community (by 2022) with information on and practical support for being more efficient with water. The information might cover: Technological solutions (such as the different uses of rainwater tanks) Water-saving tips
	 The natural water cycle and where our water comes from. The support could be provided through partnerships with catchment groups, through the Mangai Wai Ora (kaitiaki) programme (see Recommendation 101), professional associations and enterprises (e.g., a Sustainability Trust model).
94	The relevant three waters agency develops a programme by 2023 that engages with commercial water users (and starts with identifying the top 100). The programme: • Identifies how water is used • Helps users to understand how their use compares to that of similar industries nationally and globally • Supports businesses to improve water efficiency and/or lower their demand.
95	Greater Wellington and the relevant three waters agency investigate the current pricing for commercial water users (by 2023), to determine if changes in pricing mechanisms could help improve their water-use efficiency and identify the possible economic implications.
96	Territorial authorities promote the use of rainwater tanks or alternative water-storage solutions for non-potable uses in new commercial and residential developments. Note: The majority of the committee strongly supported rainwater tanks being mandatory for new developments, but there was not consensus agreement. The committee did agree that more rainwater tanks in new developments would be
	beneficial and their use should be promoted.

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97	Greater Wellington, territorial authorities and the relevant three waters agency incentivise (and support with educational material) the retrofitting of rainwater tanks to reduce demand and/or attenuate stormwater, prioritising suburbs that are prone to flooding due to capacity issues in the stormwater network.
	Territorial authorities provide a funding mechanism for willing property owners.

Future planning for our public water supply

We want to have enough water available to provide for Wellington's future population growth, while putting the rivers and aquifer first as part of Te Mana o te Wai and accounting for the impacts of climate change on future rainfall. We also want to ensure our rivers have enough water to support their ecosystems, provide us with recreation opportunities, and protect our aquifers from salt water intrusion. Although we use more water in the summer than in the winter, the total amount doesn't vary much, so we need a steady supply.



Work needs to start straightaway on assessing and fixing leaks in the public drinking-water network, to reduce leaks and water wastage over time. If investigations reveal that the network is in a worse state than expected, and therefore that short-term leak reduction targets can't be met, it's still important to ensure that individuals, communities and businesses have accessible and fit-for-purpose information on the situation.

We also need to find ways to ensure water is supplied from more diverse sources in the future, with water supply less reliant on the three major water supply catchments at times of low flows. This includes investigating options to: harvest more water when the rivers are more resilient e.g., in higher flows); investigate options for additional large-scale storage; use rainwater tanks for storage of non-potable water; and recycle urban water on a community scale.

Number	Recommendation
98	The relevant three waters agency ensures that 100 per cent of the public drinking-water network is assessed for leakage (by 2030) and a plan (publicly available with progress reporting) is developed to repair and replace assets in the Wellington drinking-water network so that: • By 2030, the network will have an Infrastructure Leakage Index (ILI) of 4.5 or lower • By 2040, the network will have an ILI of 3.5 or lower • By 2050, an ILI target of 2 or less will have been achieved and an ongoing cycle of maintenance will be in place to ensure this continues.
99	The relevant three waters agency investigates additional water storage and harvesting water at high flows as soon as possible to ensure continued security of supply for municipal use.

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100	The relevant three waters agency engages with the community and mana whenua (by 2023) on implementing community-scale, urban-water recycling for uses such as firefighting, the irrigation of parks and industrial/commercial applications.
	Initiatives to be considered should include: Collecting and storing community stormwater in public spaces for non-potable purposes Using the continuous supply of treated wastewater for non-potable purposes.
	Continued public education and long-term three waters strategies should also encourage a greater use of recycled urban water, and evaluate where existing networks can be optimised, replaced or retrofitted to make greater use of recycled water.

Develop the workforce needed to realise Te Mana o Te Wai

People in industries that use or affect water need to have a 'care for water' mindset, along with the knowledge and skills to integrate that philosophy with their everyday work. As more information is gained about the state of public and private three waters networks instances of cross-connected pipes and other sub-standard work continue to come to light. This is just one example of the importance of thinking about water within vocational training and professional standards.

Implementation of our recommendations relies on the availability of skilled mana whenua to advise at the governance level, partake in cultural monitoring and act



as kaitiaki. There are already significant pressures and constraints on their capacity, and the value of their time is not always recognised.

Implementation (at the desired pace) also depends on the availability of workforces in a range of sectors with the right skills and capabilities to do the work, now and in the future. These workforces are already in high demand and the skills required are not always available locally. We need to be deliberate about finding and creating the workforce we need, in the context of the nationwide focus on improving the health of waterways and unprecedented infrastructure investment internationally.

Number	Recommendation
101	Greater Wellington provide resourcing for a Mangai Wai Ora (kaitiaki) programme (as outlined in <i>Te Mahere Wai</i>), to be developed and led by Taranaki Whānui and Ngāti Toa, alongside relevant industry bodies to train a workforce of kaitiaki to support the ongoing delivery of work on freshwater projects in the whaitua.
	The scope of the role could include: • Freshwater and coastal monitoring using a range of scientific information, including mātauranga Māori, citizen science and community knowledge to inform the current state of water and the environment

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	 Leadership in freshwater policy and plan development Providing for cultural relationships with freshwater and coastal environments Monitoring of mahinga kai and Māori customary use Checking wastewater and stormwater infrastructure on private and public land, in support of three waters agency roving crews Providing advice and support for industries on their potential impacts on water quality and mitigations Supporting education on local streams, water quality and water usage in schools and the community Clearing waterways of rubbish, riparian planting and reporting pollution.
102	Mana whenua, Greater Wellington and territorial authorities engage with relevant
	Workforce Development Councils (WDCs) to identify how the WDCs can best
	contribute, through their leadership roles in vocational education and training, to
	growing the workforce needed to take care of water.

Make clear where we expect central government to act

Central government has a role to play alongside councils, mana whenua and the community in achieving water-quality aspirations for fresh and coastal waterbodies. Several areas have been identified in our recommendations where central government need to play their part by changing national regulations.

The need for national-level reform doesn't stop individuals from doing their bit to protect water in the meantime (such as replacing the copper brake pads in their own cars).



Number	Recommendation
103	Greater Wellington and territorial authorities continue to advocate and petition central government for new regulations to restrict the supply of water for waterbottling activities.
104	Greater Wellington advocates to central government in 2022 for the Emissions Trading Scheme to include the protection and restoration of natural wetlands, whether or not they are currently functioning wetlands. ¹²
105	By 2022, Greater Wellington, mana whenua and territorial authorities (through the regional stormwater forum – see Recommendation 56) will advocate to central

¹² Currently the Emissions Trading Scheme (ETS) excludes non-forest carbon sinks, such as wetlands. By having them included, landowners would qualify for carbon credits if they choose to carry out their own voluntary wetland restoration.

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government to introduce with urgency rules that will phase out copper brake pads in vehicles by 2030 or earlier.

Improve information available for better decision making in the future

The recommendations in this WIP have been informed by the best available knowledge and information. However, gaps have been identified in several areas and we are still growing our understanding of how science (through research) can draw on the knowledge of mātauranga Māori (as kaitiaki). Understanding their complementary relationships and the benefits for both will help us take a holistic view in seeking solutions to our problems.

Investing in research and learning now will lay the foundation for innovation and more targeted decision making around these complex issues in the future. We



expect to be continually adjusting how we care for water as knowledge and information evolves over time. We recommend focusing further investigations on:

- Strengthening the use and influence of mātauranga Māori, so that progress on mana whenua
 values is better understood and used to inform kaitiakitanga.
- Developing measures for community participation and connection, so that we better understand people's relationships with water.
- Informing future minimum water flow and allocation decision making, so that we can be confident we are making the best decisions for the awa.
- Better understanding the health and connections of aquifers, so that we can understand
 whether further actions are needed to restore their mauri and uphold their mana.
- Improving our understanding of nutrient sources to inform toxic algal management, so that
 we can target and build on recommended actions to further lower the risk of regular blooms.

Strengthening the use and influence of mātauranga Māori

106	Greater Wellington partners with mana whenua to use matauranga Maori in
	developing an understanding of water quality and quantity within the whaitua
	(e.g., our understanding of springs, aquifers and wetlands, and stream water-
	quality monitoring).
107	Greater Wellington partners with mana when us to develop a comprehensive

Greater Wellington partners with mana whenua to develop a comprehensive approach to understanding, managing and allowing for mahinga kai values throughout the whaitua.

This should build on existing work by mana whenua and include:

- Developing attributes for understanding whether the values are being provided for with mana whenua
- Designing and implementing a comprehensive monitoring programme to provide information on current state and trends
- Developing targets for mahinga kai throughout the whaitua

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	Determining any management methods beyond those already
Dovoloning	recommended in this WIP that are required to achieve the targets. measures for community participation and connection
Developing	measures for community participation and connection
108	Greater Wellington works with mana whenua and communities to develop measures for community participation in and connection to their water bodies — and in doing so build on the kaupapa framework, Te Oranga Wai, being developed by mana whenua (as outlined in Te Mahere Wai).
	'Community connection' is important beyond narrow in-stream measures of environmental outcomes. It spans participation, mental health, spiritual connection, identity, sense of place, story and culture, and physical health needs.
	Note: This recommendation should only be undertaken once the kaupapa framework, Te Oranga Wai, being developed by mana whenua is complete and only if there are identified gaps in meeting wider community needs.
Informing fu	ture minimum water flow and allocation decision making
109	Greater Wellington, mana whenua and the relevant three waters agency undertake, or continue to undertake, investigations to determine the changes in minimum water flows and allocation required to meet the long-term whaitua vision and Te Mana o te Wai. Investigations are to begin by 2022 and to be completed by 2027.
	These investigations should lead to a package of actions and a timetable for implementation. Their scope should be defined in detail and include, but not be limited to: • Prioritising catchments based on information requirements, values and pressures, which includes any catchment focal points for small stream investigations beyond the main water supply catchments • Mātauranga Māori and quantifying water flows to support mana whenua values and outcomes for catchments of interest
	 Testing alternative minimum water flow and allocation regimes alongside a range of municipal water supply infrastructure options Facilitating the implementation of any new allocation regime and detailed assessments of its implications for municipal water supply infrastructure Assessments of the implications of climate change on stream flows Ecosystem function modelling A review and revision of the Waiwhetū aquifer's management.
Better unde	rstanding the health and connections of aquifers
110	Greater Wellington supports and invests in research (to begin by 2023) to better understand our aquifers.
	This includes investigations of the: The hydrogeology of aquifers (such as groundwater sources and flow paths, and water availability) Indicators of aquifer ecosystem health, such as stygofauna Stressors on aquifer ecosystem health, such as contamination from E. coli and land uses Risks to the sources of human drinking water, including from emerging contaminants.

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Note: Ecosystem health encompasses the five elements of the NPS-FM 2020 — water quality, water quantity, habitat, aquatic life and ecological processes.

To support this research, Greater Wellington develops a monitoring network for aquifer ecosystem health by 2023.

Improving our understanding of nutrient sources to inform toxic algal management

Greater Wellington initiates (by 2025) and carries out more investigations into the nutrient sources of Te Awa Kairangi/Hutt River, to help in developing the actions needed in future to manage toxic algae.

These investigations may include:

A Nitrogan coming from tributaries and groundwater in the Pakuratahi and

- Nitrogen coming from tributaries and groundwater in the Pakuratahi and Mangaroa River catchments
- Nitrogen entering the shallow, unconfined Upper Hutt aquifer (this links with Recommendation 44)
- The contribution of sediment-bound phosphorus
- Identifying the sources of fine sediment and its role in toxic algal bloom formation.

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The pathway to healthy water

Our ultimate destination is for all waterbodies, from small streams to larger rivers, aquifers, wetlands, lakes, estuaries and coastal waters, to be returned to a state of wai ora (water of lifegiving quality) over time. We can't know exactly what the journey there will look like, particularly as some parts are for future generations to lead. But we must keep this destination in our collective sight and chart a pathway of clear steps (or 'waypoints'), which can guide more immediate decisions and tell us whether we are on course for wai ora in each catchment area.

Describing the destination and steps towards healthy waters

The NPS-FM contains a set of nationally consistent measures for water quality that are called 'attributes' (such as *E. coli*), as a measure for health risk from pathogens. In turn, the attributes have states ('attribute states') ranging from A (excellent) to E (poor). In most cases the C attribute state represents an environmental bottom line. Greater Wellington must use these attribute states to set the water-quality target states which lay out the pathway, require action and mark progress.

We believe, however, that these measures are only part of the picture and do not fully express a holistic understanding of 'healthy waterbodies' for kaitiaki and communities. Mana whenua mātauranga considers a wider set of measures which means that, for example, an area measured against the NPS-FM attributes (as in a good or excellent state) may still be considered degraded by mana whenua for mahinga kai and mauri outcomes.

We expect that new measures of holistic health are used to broaden the description and waypoints of our journey towards healthy water once they are developed. *Te Mahere Wai* has more on this, including Te Oranga Wai, an assessment framework approach (currently in development) based in mātauranga Māori. This framework offers wider tools for assessing the NPS-FM's first priority of Te Mana o te Wai.

As these holistic frameworks begin to be used by kaitiaki and communities, the information in the catchment chapters will be able to be enriched. This will improve our understanding of progress towards Te Mana o te Wai and the impact of our recommendations. We also expect it to reveal opportunities to improve outcomes that are not immediately apparent in the information currently available, improving future decision making. Our hope is that each catchment chapter will become a living document used by catchment communities to capture the journey for each awa and plan local actions that complement the recommendations in this WIP.

Whaitua catchment areas

We have identified six broad 'catchment areas' in the whaitua, with sub-catchments within some of these. The six areas follow from the mountains to the sea – ki uta ki tai – and the sub-catchments within reflect where we know there are broad changes in the character and conditions of the stream and our activities in the catchment. These are spatial areas where the opportunities and challenges faced by the individual awa within them are similar, and there is value in people coming together to work out how best to care for those awa.

In reality, people in community and kaitiaki groups work in a much more locally focused way at smaller scales than these. This reflects the personal connections that people feel with particular

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places. Water is all-connected, so integrated management of our impacts is important – without it, groups can be frustrated by activities upstream or downstream undermining their efforts. We hope that the frameworks we provide for these larger areas will help local groups understand the wider catchment context for their place and how their contributions can best sit alongside the efforts of others. Information and insights at a local scale will also help fill the gaps in our knowledge, and support better planning across each catchment.

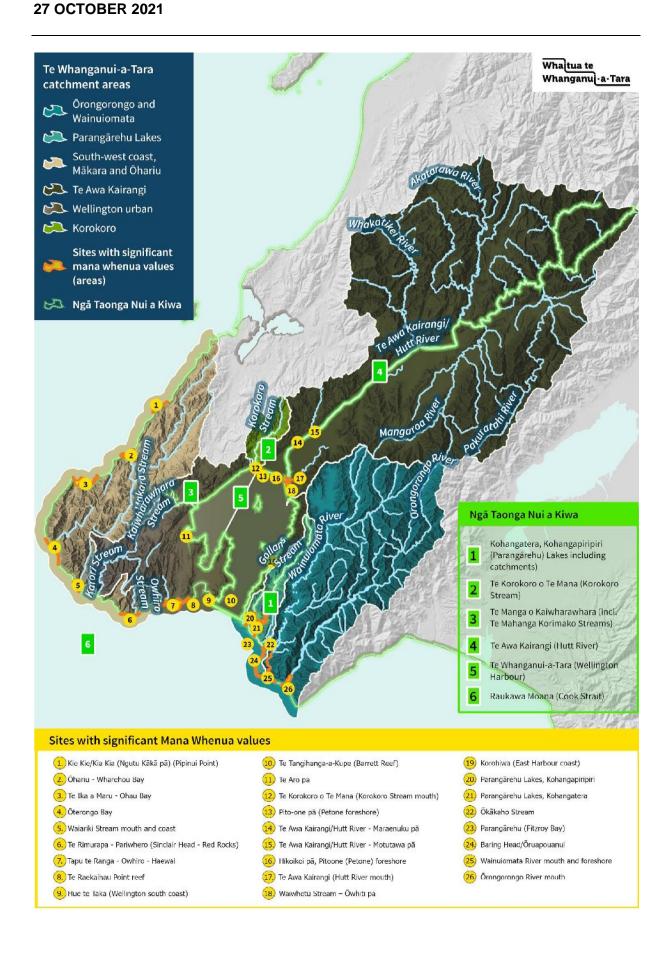
The six areas are:

- Te Awa Kairangi/Hutt Valley and Waiwhetū
- Ōrongorongo and Wainuiomata
- · South-West Coast, Mākara and Ohariu
- Korokoro
- Wellington Urban, Southern Coast and Te Whanganui-a-Tara
- Parangārehu Lakes.

Each area is described in detail in its own chapter, with a map showing the major sub-catchments, a description of each catchment, the opportunities and challenges we see in implementing our recommendations, and tables showing:

- The expected stream conditions now, and what is forecast if there is no further intervention beyond current rules and practices
- The stream conditions we expect will be achieved once our recommendations are implemented
- Steps that signal where more improvement will still be needed, providing waypoints to guide future decisions on actions towards wai ora.

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Achieving wai ora is a long-term journey

Within the chapter of each catchment area are a set of attribute tables that illustrate the planned pathway from current state to wai ora state for each awa, using the water-quality attributes from the NPS-FM.

Current and forecast attribute states

The first set of columns in each attribute table shows the current attribute state of streams in each catchment area now, and the forecast state if no further intervention beyond current rules and practices has taken place. It is based on the science advice from our expert panel scenarios, and information provided by other expert advisers, and considers projected climate change impacts and population growth.

While this gives a single current state and forecast trend assessment for a whole area, we know water-quality states vary widely in every sub-catchment and along each reach of stream. Even an urban stream can have excellent mauri, habitat and water quality in its headwaters. It is vital that we access local knowledge to understand all the places where mauri and water quality are good or excellent and ensure they are protected, maintained and improved.

The forecast illustrates that climate change is expected to increase many pressures in the coming decades, with decreases in summer low flows and increases in temperatures, periphyton, sediment and flood disturbance of freshwater habitat in many parts of the whaitua. Without better practices and infrastructure, urban development will exacerbate flood disturbance, habitat modification and contamination in streams and downstream waterbodies. If we continue to manage the environment as we do, we will see ecosystem health and other values continue to deteriorate in many parts of the whaitua. This is not good enough, and does not provide for Te Mana o Te Wai or align with our kawa.

As the current and forecast attribute states highlight, many rivers, streams and fresh and coastal waterbodies are degraded in places and exposed to current pressures and future risks. In places, the national bottom lines for water-quality measures have been exceeded. We must start changing our practices in development, land and water use and realise the committee's vision for all waterbodies.

First steps

The 'first steps' columns show the changes in stream conditions that we expect to see from implementing our recommendations for all the issues we have addressed. The short-term (5) states indicate an intention to hold the line in the face of expected declines, and in doing so sets in motion a need to implement our recommendations immediately. Generational (G) states describe the environmental conditions that are expected to result from the full implementation of our recommendations. They are based on science advice given through our expert panel scenarios and other expert advisors. A generational timeframe is 20-30 years, and achieving the attribute improvement depends on the speed of implementation.

Our recommendations represent a significant shift in practice and commitment. We expect our recommendations to lead to improvements for all catchments, but unfortunately some places may not meet a national bottom line or show an improving state within a generation because of the scale of some of the issues we face. This does not mean reducing our efforts or lowering our ambitions for

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these places, but we want to see all places reach wai ora, including the most degraded waterways. It is just that they will need the most effort to overcome the effects on their wellbeing of catchment modification and legacy contaminants.

Longer term

While improvements are expected to take a long time to achieve in some places, the scale of the task to repair the damage means we need to start now and continue working towards our destination of wai ora everywhere. The restoration of our estuarine environments is expected to take multiple generations and may require significant improvements in water quality in the upstream catchments. While changes in these environments may be incremental and small, they are highly valued and ecologically significant.

Some of the improvements illustrated in our first steps appear underwhelming because they reflect just how degraded many streams are and how much effort it will take to improve them. We know that these improvements do not reflect what the committee, mana whenua and the communities we have engaged with seek to reach. The longer-term column helps illustrate our aspirations and our intention of continuous improvements towards wai ora throughout the whaitua in subsequent generations. We do not know yet what this might take or how long it will take, but we are committed to reviewing and adjusting next steps as we learn more. We must hold to our aspirations and re-express them so that each generation knows we have been guided by high aspirations, and that our legacy to them reflects our best efforts, not a trade-off of their wellbeing for short-term gain.

The challenge of meeting human health standards for primary contact

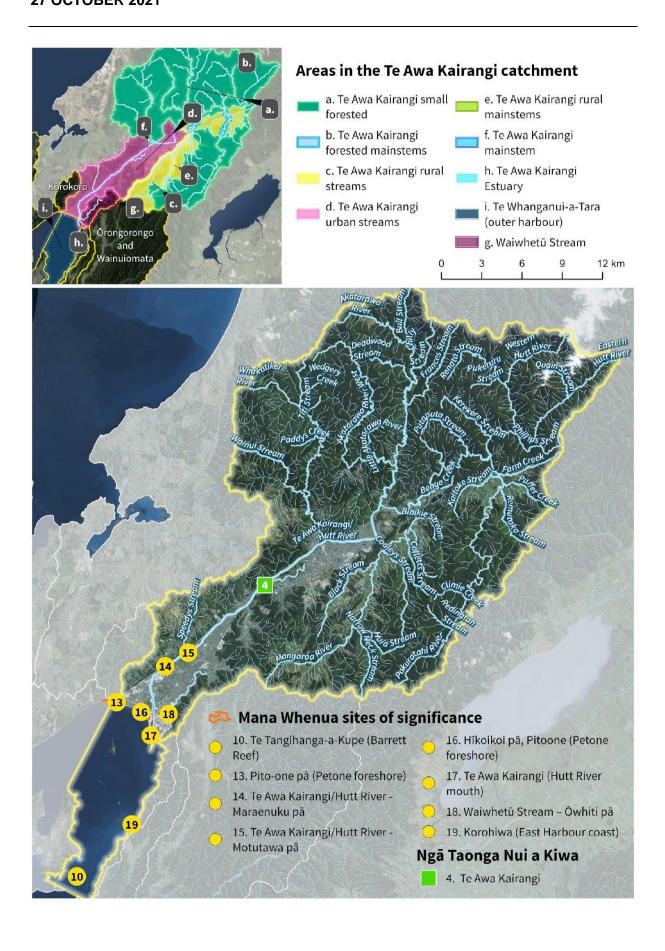
The suitability of water for primary contact (such as swimming), in terms of risks to human health is measured in the NPS-FM using the *E. coli* attribute. The standard set for primary contact sites is very stringent and reflects a very low estimated risk of pathogenic infection. This standard is not currently met in non-forested catchments and some forested catchments across the whaitua.

If we are to improve primary contact safety across the whaitua, we need to have improvements in the state of the overall *E. coli* attribute, which we expect to see as a result of our recommendations. The high standard for primary contact sites is equivalent to the A state for the *E. coli* attribute. *E. coli* itself is not a problem, but it is a strong indicator for the presence of a range of pathogens that are less easy to monitor.

E. coli is entering water via a range of human, livestock and avian sources. Human and livestock sources pose the highest risk to human health, and human faecal contamination in particular must be eliminated because it disrespects Te Mana o te Wai and damages the mauri of water. These priorities are reflected in our recommendations. Our expectation is that the monitoring framework will enable us to track progress in the reduction of human and livestock sources, so that we can be confident that we are making a difference to risks to human health, even if E. coli levels from all sources do not yet meet the primary contact standard in the NPS-FM.

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Catchment context and description

Te Awa Kairangi/Hutt River is the major river system in Te Whanganui-a-Tara and is made up of many unique parts. From the headwaters in the Tararua Ranges, water flows through small, forested streams, before travelling through a number of main stem rivers into the urban environment, and its smaller streams, and then out into Te Whanganui-a-Tara/Wellington Harbour.

The catchment is full of contrasts. The water supply areas and regional parks feature huge areas of native vegetation, while grassland and peatland dominate the Mangaroa Valley on the river's eastern side. The Western Hills are a mix of grassland, exotic forest, native vegetation and urban areas, while the entire length of the valley floor is heavily urbanised. State Highway 2 and the railway shadow the river from Lower Hutt to the base of the Remutaka Range. Te Awa Kairangi/Hutt River enters Te Whanganui-a-Tara/Wellington Harbour via the Hutt Estuary, which is surrounded by a heavily industrialised area at Seaview. The river also aligns with the main Wellington earthquake fault line. Over the centuries, successive earthquakes have raised the Hutt Valley and harbour and the beach has moved southwards.

Early European arrivals identified the Hutt valley as a good site for settlement, and in the 1840s to 1880s the entire floodplain was deforested to make way for development. However, as the population grew and the valley's forest cover reduced, flooding became a major issue. Stop banks and a narrowing of the river channel began to modify Te Awa Kairangi/Hutt River, and that process continues today. These works continue to have significant impacts on mahinga kai species, mana whenua sites of significance, and the mauri of the rivers and their tributaries. The Hutt Valley is now the most densely populated floodplain in New Zealand.

Residents in the Hutt Valley love their waterways, as they provide a sense of place and purpose and provide opportunities for recreation and revitalisation.

Te Awa Kairangi is a taonga and awa tupua (treasured ancestral waterbody) for Ngāti Toa Rangatira and Taranaki Whānui. Like all awa (rivers) in the Te Whanganui-a-Tara Whaitua, Te Awa Kairangi is a place for wānanga (traditional learning). Of note are the pā sites, the repō/wetlands and their uses for weaving dyes and building materials. Te Awa Kairangi traditionally sustained a large population and provided access to fish, rich gardening soils, forest birds and numerous wild plant foods.

As the largest river in Te Whanganui-a-Tara Whaitua, Te Awa Kairangi once sustained a large variety of fish species. Upstream of Kaitoke Weir the river is recognised for its outstanding indigenous ecosystem values and continues to support a variety of endemic wildlife, including endangered species (such as banded kōkopu, bluegill bully, giant bully, giant kōkopu, koaro, piharau, longfin tuna, redfin bully and shortfin tuna).

The river is of great importance as it is the largest source of freshwater in the region. Te Awa Kairangi provides most of the drinking water in the metropolitan Wellington area via water abstracted from the river at Kaitoke, groundwater in the Waiwhetū aquifer and artesian water at Petone.

Water takes, discharges and modifications to natural flow have had a significant effect on this awa, and while there is excellent water quality in the headwaters, it is vulnerable throughout its journey mai uta ki tai (from the inland to the sea).

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Waiwhetū

Waiwhetū Awa is located at the lower end of the Te Awa Kairangi valley and river mouth. While the lower reach of the Waiwhetū Stream is heavily channelised and polluted, the mid-range of the awa still retains āhua (natural character), and considerable investment in its restoration has brought the community together.

The stream is Ngā Taonga Nui a Kiwa for Ngāti Toa Rangatira and Taranaki Whānui. It traditionally held great significance as it sustained iwi over many centuries, with pā built on the banks (such as the Waiwhetū Pā, and Owhiti Pā). Te Awa Kairangi ngā ngutu awa (the river mouth), the Waiwhetū Stream and the Waiwhetū Estuary are important sources of mahinga kai, and places for te mahi mātaitai for kaimanna.

Te Whanganui-a-Tara (Wellington Harbour)

Te Whanganui-a-Tara (Wellington Harbour) is a Taonga Nui a Kiwa (place of outstanding importance) to Ngāti Toa Rangatira and Taranaki Whānui. The relationship of both iwi with the harbour is synonymous with their mana and identity.

Te Tangihanga-a-Kupe (Barrett's Reef) is but one example of the many places of significance to both Ngāti Toa Rangatira and Taranaki Whānui within Te Whanganui-a Tara. These places are valued for many reasons, including enabling whānau (family group) to carry out rituals and ceremonies, and also as places where mahinga kai (customary harvest) occurs.

Wellington Harbour is highly valued for its recreational activities, boating, fishing, diving and walking alongside it. Wellington Harbour is home to one of the busiest ports in the country, with thousands of commercial shipping movements in and out of the harbour each year. The Hutt Estuary and Wellington Harbour are impacted by discharges from Te Awa Kairangi (such as stormwater and wastewater discharges).

Main issues in this catchment

Te Awa Kairangi and Waiwhetū are typical of heavily urbanised catchments, with **urban development** and **encroachment**, **channelisation**, **pathogens** and **stormwater contaminants** degrading their water quality. The need to manage flood risk and the demands of providing sufficient potable water to meet the needs of the growing Wellington Region place pressure on waterways. The aquifer, which is an essential source of the current water supply system, is also at risk of being contaminated by the city built above it.

Wastewater overflows from a storage tank in Silverstream on average six times a year. In 2018 and 2019, this accounted for more than 60 per cent (~195,000m³) of the total recorded wastewater overflows in the whaitua. The contaminants in these overflows present a significant challenge to improving the catchment's water quality. Our recommendations for preventing wastewater overflows and network leaks, and eliminating stormwater contaminants, are vital to achieving water-quality improvements in the Te Awa Kairangi catchment area.

Low-to-moderate intensity commercial farming and lifestyle properties are valued by our community, but can release **pathogens**, **nutrients and sediment** into local waterways if not managed well. We need better septic tank monitoring and performance, riparian protection and

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livestock exclusion from waterways, improvements in hill country management and better localised and catchment group planning, as this will go a long way towards addressing these risks. Improved sediment management during forestry harvesting in the four main tributary catchments will also reduce risks to the health of the river and downstream environments.

The urban environment releases contaminants (such as metals, nutrients, pathogens and hydrocarbons) into Te Awa Kairangi and its tributary streams via the stormwater system. This has many effects on the quality of the water, the health of the aquatic life in the rivers, estuaries and Te Whanganui-a-Tara, and the people who live in the catchment. Shifting the health of Hutt Valley's urban streams will require a fundamental change in the hydrological effects of stormwater and the restoration of stream-bed forms and functions.

Given the **effects of the urban environment on water flows and stormwater**, the adoption of bestpractice WSUD for urban redevelopments now and into the future will contribute to improvements in most water-quality attributes.

Urban development and encroachment in the valley has led to the need for flood control works (such as stopbank development and maintenance, river straightening, channel stabilisation and willow planting), to ensure the safety of people, property and infrastructure. It has also changed the form, function and habitat of the riverbed. We need fundamental changes in the hydrological effects of urban stormwater, enhancements in the form and function of stream-beds, and significant habitat restoration.

Many urban streams in Te Awa Kairangi have been modified in ways that stop native fish moving through catchments as they need to at different phases of their life. The advice we have received on **fish passage** remediation is that once all barriers have been identified, remediation should be feasible within 25 to 30 years. Remediation does not equate to removal – passage barriers can often be modified to meet the needs of specific species. When this is achieved, we expect to see the attribute state for fish in rivers to shift to an A state.

A wide range of unpredictable factors affect **toxic algal growth** (including water temperature, flow rates, nutrients and sediment), so addressing the problem is difficult and complex. Although there is no attribute for toxic algae they are a major concern, so we need a bespoke toxic algal bloom action plan that targets all of these factors.

The health of Te Awa Kairangi is affected by water use right across the whaitua, and also in Porirua. Current levels of water abstraction to meet drinking-water supply needs are creating issues for ecosystem health and recreation during low-flow periods, primarily in summer. The committee does not believe the current minimum flows provide for the health needs of the awa and Te Mana o te Wai. More responsible and respectful use of water, which enables minimum flows to be raised while also protecting the security of drinking-water supply, is necessary to restore the mauri of the water and will contribute to improvements in ecosystem health attributes.

The Hutt Estuary and Te Whanganui-a-Tara harbour are affected by discharges from Te Awa Kairangi, so our recommendations for improvements will also benefit these places.

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Pathway from current state to wai ora to guide our journey

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Te Awa Kairangi Forested mainstems	Α		Α	Α		Α		Α	Α		Α		Α	Α		С		С	Α		
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Te Awa Kairangi Rural mainstems	С		С	В		С	1	С	В		В		В	Α		D	î	D	В		
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Te Awa Kairangi Forested mainstems	Α		Α	Α		Α		Α	Α		В		В	Α		Α		Α	Α		
Te Awa Kairangi Lower mainstem	В		В	Α		Α		Α	Α		Α		Α	Α		Α		Α	Α		
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Te Whanganui-a-Tara (outer harbour) *			Not app			D I D D							Not applicable								

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Table footnot

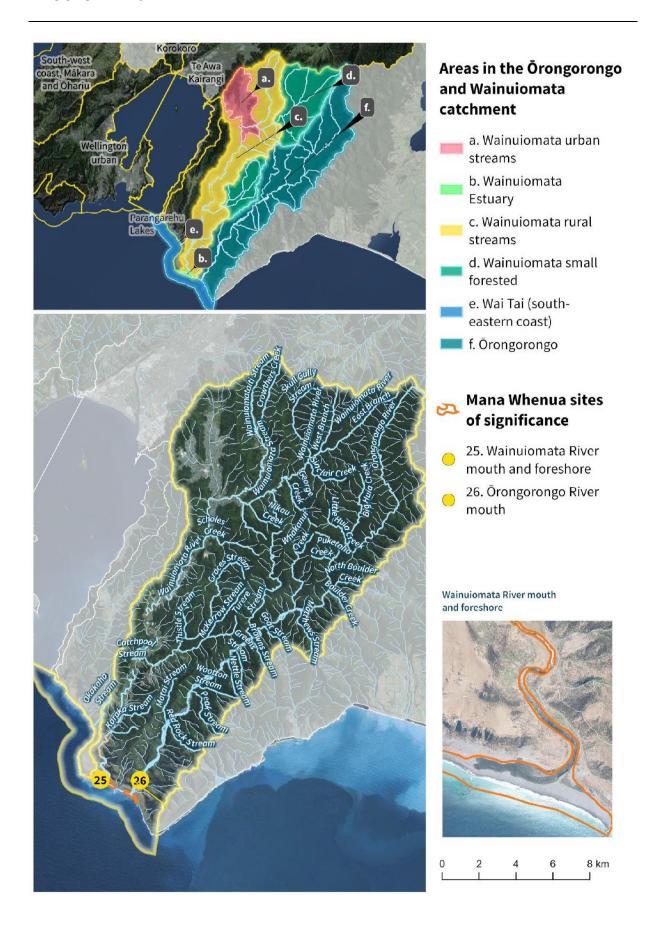
Current illustrates the **current** state assessment (C) and **forecast** change (F) if we did not change our current management of stressors upon that attribute. A single arrow (\downarrow) indicates that deterioration within an attribute state is expected and a double arrow $(\downarrow\downarrow)$ that an attribute state deterioration is expected. Forecasts have not been made in predominantly forested catchments, or for the deposited sediment and dissolved oxygen attributes.

The first steps describe the predicted states that are expected from implementing management solutions to at least maintain the current state in the short term (5) and full implementation of our recommendations in a generation (G). Those that have the same short-term and generation state are expected to have improvement within that attribute state within the generation.

'Longer-term' expresses our direction and intention for continuous improvements desired towards wai or a throughout the whaitua. However, based on current information and approaches we don't currently know what this might require or how long this might take.

*Coastal environments use attributes specific to those environments. However, they are shown under similar river attribute headers: Benthic Macroinvertebrates are presented under MCI, Macroalgae under Periphyton, Enterococci under E. coli, and Muddiness under Deposited Sediment.

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Catchment context and description

Ōrongorongo

The Ōrongorongo Awa is located to the east of the Wellington Harbour and runs almost parallel to the Wainuiomata River before entering takutai moana (the sea) on Wellington's south coast. While most of the catchment is covered in native bush (approximately 95 per cent), near the coast there is some low-intensity agriculture (sheep and beef). The catchment also provides important recreational opportunities for the wider Wellington population and is a popular area for tramping.

The awa (river) and surrounding taiao (environment) is valued for its āhua (natural character). The mātāpuna (headwaters) of Te Awa o Ōrongorongo is found in the Pākuratahi Forest and has pristine water quality. The upper reaches of the river contain an abundance of native vegetation, and rongoā (such as tītoki, makomako, manamana, kawakawa and rangiora) can be found.

The Ōrongorongo catchment has steep topography, highly erodible soils that are prone to slips, and is affected by large flood events. There are low numbers of wild animals like goats, pigs and deer.

The Ōrongorongo River and Big Huia Creek are both places in which surface water is abstracted for the community drinking water supply. The awa is also highly valued for its Māori customary and recreational uses.

The Ōrongorongo Swamp is the only montane-alluvial wetland in the region and is considered one of the most pristine wetlands, with exceptional native ecosystem value. The Ōrongorongo awa is braided and the river mouth is wāhi tapu (restricted use) and a site of significance to Taranaki Whānui.

Wainuiomata – Te Wai Nui ō Mata

The Wainuiomata catchment is made up of many unique parts. Te kuinga o te awa (the source of the river) is the Remutaka Ranges. The water flows through a number of small, forested streams before it passes through the suburb of Wainuiomata. In developed parts of the catchment, the river has been heavily modified and engineered to reduce flooding. The mainstem, and a number of smaller rural streams, then flow through primarily pastoral land before entering the ocean at Wellington's south coast, east of the harbour entrance. The awa (river) and its surrounding taiao (environment) is valued for its āhua (natural character).

The small, forested streams of the Wainuiomata and its tributaries (such as Catchpool Stream) are wai tapu, which are sacred places where rituals and ceremonies were practised by mana whenua. The water is Wai Mātua o Tūāpapa (virgin water) and tohi (baptism) and cultural immersion take place here. There are numerous Āku Waiheke (small streams) in the upper reaches of the whaitua with unique values and mana that should be recognised and protected.

The Wainuiomata River and George Creek are Wai Māori (fresh drinking-water sources), both being places in which surface water is abstracted for community drinking-water supply.

Many taonga species precious to mana whenua have been found in the mātāpuna (headwaters) of the awa, and in the mainstem, above Black Creek. The Wainuiomata River is also valued for its Māori customary and recreational uses. It supports a variety of activities, such as te hī ika (line fishing), te hao ika (netting) te hopu tuna (taking eels) and kaukau (swimming).

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The river finishes its journey in the East Harbour Regional Park where it discharges into the Cook Strait via the Wainuiomata Estuary. The Wainuiomata River mouth and foreshore are sites of significance to Taranaki Whānui, as well as key mahinga kai sites. The Wainuiomata Estuary contains habitat for, and is home to, many native fish migratory species and native birds that are taonga to mana whenua. The estuary is one of less than half a dozen sites along the South Wellington coastline that supports a breeding population of Tuturuwhatu (banded dotterels). Inanga spawning habitats are found in vegetation near river mouth.

Main issues in this catchment

Because the Ōrongorongo catchment is dominated by native forest from the headwaters nearly all the way to the sea, it is in excellent state with few pressures affecting its health. However, pastoral farming in the lower catchment may be having some effects, and the impacts of the current water abstraction levels require further investigation.

The Wainuiomata catchment, on the other hand, has a diverse range of land uses resulting in a range of water-quality issues and challenges. In urban areas, water is degraded due to encroachment, channelisation, habitat removal, pathogens and stormwater contaminants.

Ongoing management of flood risks while restoring the mana to waterbodies (such as Black Creek) is going to be a major challenge. In rural areas, macroinvertebrate and fish habitats need to be improved through riparian vegetation planting and stock exclusion. Also, the demand for potable water needs to be met without diminishing Te Mana o Te Wai.

Over 40 per cent of the **wastewater** network in urban Wainuiomata is in a poor state and on average more than 20 **wastewater overflow** events occur every year. **Faecal contamination from rural and urban sources** has resulted in swimming holes (such as at Richard Prouse Park) no longer being safe for human contact, even in dry weather. This is a major concern, as people still visit and swim in these areas

Our recommendations to address pathogens, particularly human sources from our wastewater network and septic tanks, are expected to improve the attribute state *for E. coli* in streams within a generation.

The low-to-moderate intensity commercial farming and lifestyle properties are valued by our community, but can release **pathogens**, **nutrients** and **sediment** into local waterways if not managed well. Our recommendations for improved septic tank monitoring and performance, riparian protection and livestock exclusion from waterways, improvements in hill country management, and better localised and catchment group planning will go a long way towards addressing these risks.

Urbanisation of Wainuiomata has seen contaminants (such as metals, nutrients, pathogens and hydrocarbons) appear in the small streams that feed into the Wainuiomata River via the stormwater and wastewater networks. Repairing the wastewater network and adopting best-practice WSUD for urban redevelopments now and into the future will reduce the sources of **stormwater contaminants** and go a long way to improving the catchment's overall water quality. Implementation of our recommendations will ensure that future urban intensification does not cause further degradation.

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Urban development and encroachment in Wainuiomata has seen the need for flood control works to ensure the safety of people, property and infrastructure. While necessary, these works have altered the mauri of waterbodies by changing their form, functions and habitat.

Black Creek runs through a heavily populated area of Wainuiomata and has the potential to provide for a range of community values. However, it acts more like a stormwater drain than a functioning stream and will require significant effort to restore its mana and mauri. A key first step is to give it back its name and to seek opportunities for habitat restoration.

The Wainuiomata and Ōrongorongo catchments are major sources of potable water. The priority for these catchments is to better understand the potential **effects of water abstraction on water quality** and Te Mana o Te Wai, especially during periods of low flow. It has been reported that sections of the Ōrongorongo River run dry during summer, and it is unclear whether water abstraction in the upper section is a contributor.



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Journey from current state to wai ora

Journey from cu	urent:	state	lo wa	I OFA												
							Ecological			Fish		Human health				
Sub- catchment areas				vertebr	ates	ı	Periphy						E. coli			
		rent	1	steps	Longer term	Current	First ste	I I onder term	Current	First steps	Longer term	Current	- 1	steps	Longer term	
	С	F	S	G		C F	_	3 "	C F	S G	zonger term	C F	<u> </u>	G	2011901 101111	
Orongorongo	Α		Α	Α		A	Α .	4	Α	A A		Α	Α	Α		
Wainuiomata small forested	Α		Α	Α		A	Α .	1	A	A A		Α	Α	Α		
Wainuiomata urban streams	D	ļ	D	D		C 1	C		A	A A		Е	E	C		
Wainuiomata rural streams	C	ļ	С	В		C 1	C		Α	A A		D	D	C		
Wainuiomata Estuary*	В		В	В		A ↓	Α .	1		No targets		В	В	В		
Wai Tai (south-eastern coast)*	Α		Α	Α		A	Α .	A.		No targets		Α	Α	Α		
		Ecological toxicity														
		Copper					Zinc			Nitrate		Ammonia				
Sub-catchment areas	Cur	Current First steps		Current	First ste	os I.	Current	First steps	l	Current First steps						
	c	F	s	G	Longer term	C F		Longer term	C F	s G	Longer term	C F		G	Longer term	
Ōrongorongo	Α		Α	Α		Α	Α .	4	Α	A A		Α	Α	Α		
Wainuiomata small forested	Α		Α	Α		A	Α .	A.	A	A A		Α	Α	Α		
Wainuiomata urban streams	В	↓↓	В	В		В ↓↓	В.	A .	A	A A		В	В	Α		
Wainuiomata rural streams	Α	1	Α	Α		A ↓	Α .	A.	A	A A		Α	Α	Α		
Wainuiomata Estuary*	Α	1	Α	Α		A ↓	Α .	A.		No targets		No targets				
Wai Tai (south-eastern coast)*	Α		Α	Α		A	Α .	A .		No targets		No targets				
				_	Sedi	ment						1				
			С	laritv			Deposit	ed		Phosphoru	S	Dissolved oxygen				
Sub-catchment areas	Cur	rent	First	steps		Current	First ste	s I	Current	First steps	I	Current	First steps		I	
	l c	F	s	G	Longer term	C F		Longer term	C F	s G	Longer term	C F		G	Longer term	
Örongorongo	Α		Α	Α		Α	Α .	4	Α	A A		Α	Α	Α		
Wainuiomata small forested	Α		Α	Α		Α	Α .	A .	С	СС		Α	Α	Α		
Wainuiomata urban streams	D	1	D	С		Α	Α .	λ	С	СВ		Α	Α	Α		
Wainuiomata rural streams	D	Ť	D	С		Α	Α .	λ	С	СВ		Α	Α	Α		
Wainuiomata Estuary*			No	targets		A 1	Α .	λ		No targets		No targets				
Wai Tai (south-eastern coast)*	1			targets		A	_	A .		No targets		No targets				

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Table footnote

Current (Bustrates the current state assessment (C) and forecast change (F) if we did not change our current management of stressors upon that attribute. A single arrow (4) indicates that deterioration within an attribute state deterioration is expected. Forecasts have not been made in predominantly forested catchments, or for the deposited sediment. and dissolved oxygen attributes.

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Areas in the South-west coast, Mākara and Ōhariu catchment

- 📒 a. Mākara Estuary
- b. South-west coast rural streams
- c. Wai Tai (southwestern coast)

Mana Whenua sites of significance

- 1. Kie Kie/Kia Kia (Ngutu Kākā pā) (Pipinui Point)
- 2. Ōhariu Wharehou Bay
- 3. Te Ika a Maru Ohau Bay
- 4. Ōterongo Bay
- 5. Waiariki Stream mouth and coast
 - 6. Te Rimurapa -
- Pariwhero (Sinclair Head - Red Rocks)

Ngā Taonga Nui a Kiwa

6. Raukawa Moana

Mākara Estuary and Ōhariu -Wharehou Bay



0 2.5 5 7.5 10 km

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Catchment context and description

The south-west coastal catchments are characterised by steep, scrub and pasture-covered hills above valleys that are generally aligned with fault lines. The streams in these valleys run to the Cook Strait in the south and toward the Tasman Sea in the west. Much of the land was covered in dense podocarp forest until clearance for farming in the late 1800s. Gold prospecting in the mid-to-late 1800s led to a boom in population growth in the western area. Mākara Beach was home to a small fishing community in the early 1900s and is now a popular spot for launching small fishing boats and diving. Its coastal dunes were removed during World War II, modifying the stream mouth.

In more recent years, many small 'lifestyle blocks' have been established in Ōhariu and Mākara, generally along the waterways and each with its own septic system. Two windfarms built in the late 2000s cover a significant area, with sediment management being a focus at the time of construction. Small tributaries provide drinking water for a number of households.

Much of the eastern and coastal areas have reverted to scrub or native bush, and the north-west area has been largely maintained in pasture. The modified environment means that storm runoff moves more quickly down the catchment, which in turn has increased downstream flood risk and streambank erosion.

There are many āku waiheke (small streams) and head water mātāpuna (springs) in the whaitua that flow into the Mākara Stream. These have unique values that must be recognised and protected. The stream and its corridor support many mahinga kai plants like harakeke, raupō, watercress, puha and fernroot, and plants for weaving and rongoā (healing).

The Mākara Estuary and river mouth is recognised as a significant natural wetland and is the only remaining salt marsh estuary on the Wellington Peninsula. It is an important refuge for feeding and nesting birds (such as pied shag, red-billed gull, white-fronted tern, black shag, pied stilt, and variable oystercatcher). The salt marsh also provides seasonal or core habitat to threatened indigenous fish species (such as longfin eel, giant kōkopu, kōaro, inanga, redfin bully, bluegill bully and piharau). The Mākara Estuary has silted up due to high sediment loads coming from further up the catchment.

While the most noteworthy mana whenua values in this area are mahinga kai and kaimoana, the estuary is also recognised for other special values (such as waka, healing from the ocean, and the cleansing qualities of the wind). Ngāti Toa Rangatira identify the southwest coast as a very important mahinga mataitai (customary seafood gathering area) and wāhi kōrero I tuku iho (intergenerational knowledge transfer area). Ohariu Pā is found on Mākara Beach, and is of significance to Ngāti Tama. Similarly, the wider Wellington community highly values the kai moana provided by the surrounding South Coast area.

The local communities include many small properties and a handful of large sheep/beef farms (some residents having multigenerational connections to the area), most with additional sources of income alongside farming. Farming is valued by the community and is very low intensity, largely due to the catchment's topography and climate (with most land classed as LUC 6+). There are only small pockets of production forestry. Several landowners and local community groups are working to improve water quality in the area.

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The area also supports recreational opportunities for the wider Wellington community, with mountain biking, walking and four-wheel drive tracks and venues for functions. Intensive pest control is currently underway, in order to release kiwi in the area within the next couple of years.

Aside from the Mākara Estuary, all streams in the area discharge straight to a very dynamic coastal environment that is thought to quickly dissipate most contaminants, particularly on the South Coast.

Main issues in this catchment

The south-west coastal catchments and streams are subject to several environmental pressures and are in a deteriorated or fair state. **Sediment loss** is a significant issue in several streams in this area. The historical clearance of steep land for farming has left the more vulnerable land unstable and prone to erosion. Alongside this, a **lack of stream-bank vegetation and livestock exclusion** from waterways means stream margins are more prone to erosion during periods of high rainfall and **habitat for aquatic life and ecosystem health is reduced.**

Faecal contamination and high pathogen concentrations are issues in both dry and wet weather for the catchments, and monitoring shows the Mākara Stream has levels considered unsuitable for human contact. The main sources of faecal contamination are likely to be ruminants and wildfowl, with septic tanks and horses also potential sources. Reducing *E. coli* in this mostly rural catchment will require additional, locally specific diagnostic assessments to identify the sources of dry and wet weather exceedances, particularly dry weather contamination.

Because of the steep terrain, for the most part the 2020 stock exclusion regulations do not apply, meaning that achieving improvements for *E. coli* will require additional actions. The vulnerability of small streams to discharges and damage from stock and septic tanks is an ongoing risk. Their relatively small size makes them disproportionately vulnerable to *E. coli* and sedimentation caused by cattle grazing, plantation forestry and water takes.

These catchments are priority areas for dedicated land management support and coordinated catchment planning. The focus needs to be on identifying critical source areas for contaminants, reducing stock access to waterways, establishing riparian vegetation, the retirement or reforestation of some areas, and good maintenance of household septic systems.

We have heard from mana whenua that whānau (family group) could traditionally swim, and harvest and consume kaimoana like tuna, mullet, and pipis, without becoming māuiui (unwell). Areas where paua once lived have now completely disappeared, except in Ohau North where there are lots of small, undersized paua. There is also immense pressure on coastal resourcing from poaching.

Mākara Estuary and the coastal waters are highly valued areas and the local community has already made substantial efforts to restore them. Because of the slow response rate to stressors, improvement will take time, but can be achieved through mitigations further up the catchment. Although naturally low in diversity, Mākara Estuary supports an even sparser benthic macroinvertebrate community than expected because of the impact of **muds and sediment** in particular. Reducing sediment inputs through improved practices up the catchment, and better flushing over generations, will lead to small improvements.

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Journey from current state to wai ora

			Human health												
Sub- catchment areas	l M	acroinvertebr	ates		Periphyton			Fish		E. coli					
	Current	First steps	l	Current	First steps	Longer term	Current	First steps		Current	First steps	l,			
	C F	S G	Longer term	C F	S G		C F	S G	Longer term	C F	S G	Longer term			
South-west coast rural streams	C 1	C C		С	C C		Α	A A		Е	E D				
Mākara Estuary *	D	D D		С	C C			No targets		С	C C				
Wai Tai (south-western coast) *	A	A A		A	A A			No targets		A	A A				
	Ecological toxicity														
Sub- catchment areas		Copper			Zinc		ľ	Nitrate		Ammonia					
	Current	First steps		Current First ste		l	Current	First steps	l	Current	First steps	I			
	C F	S G	Longer term	C F	S G	Longer term	C F	S G	Longer term	C F	S G	Longer term			
South-west coast rural streams	Α	A A		Α	A A		Α	A A		Α	A A				
Mākara Estuary *	A Į	A A		A				No targets		No targets					
Wai Tai (south-western coast) *	Α	A A		A	A A		No targets		No targets						
			T												
		Clarity			Deposited			Phosphoru	3	Dissolved oxygen					
Sub- catchment areas	Current	First steps	I	Current	First steps	I. N.	Current	First steps	l	Current	First steps	l			
	C F	S G	Longer term	C F	S G	Longer term	C F	S G	Longer term	C F	S G	Longer term			
South-west coast rural streams	D Î	D C		D	D C		D ţ	D C		Α	A A				
Mākara Estuary *		No targets		C 11	C B			No targets		No targets					
Wai Tai (south-western coast) *		No targets		A 1	A A			No targets		No targets					

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Table footnote

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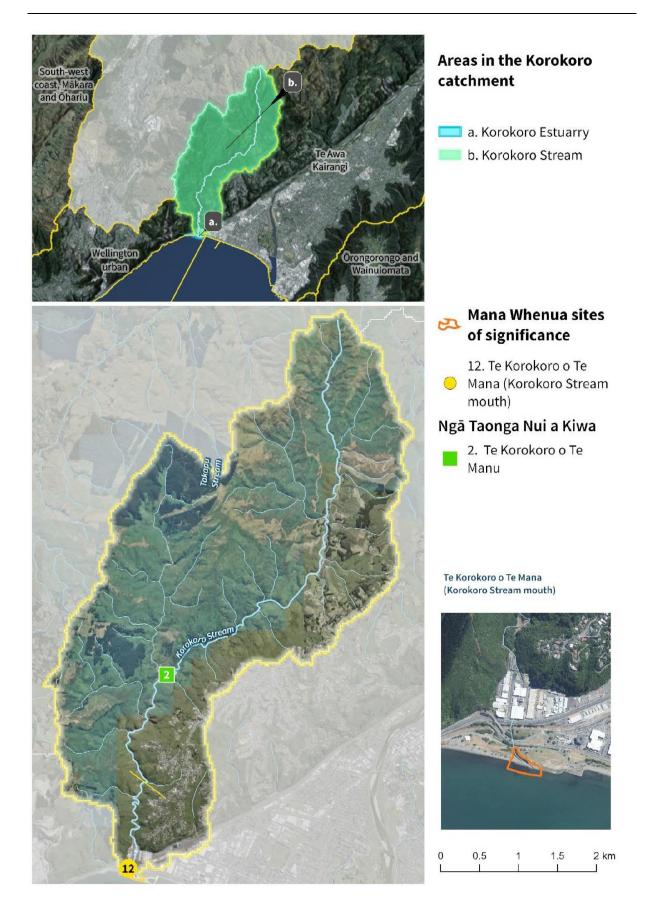
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Catchment context and description

The Korokoro Stream originates in Belmont Park and drains approximately 8km to the Wellington Harbour, under State Highway 2 and through a small estuary. The headwaters are primarily forested scrublands and indigenous forest with some rural land use activities and urban development along the foothills in the suburb of Korokoro.

Retaining much of its original āhua (natural character), Te Korokoro o Te Mana is a Taonga for Taranaki Whānui, and it is also protected as a site of significance in the PNRP.

Korokoro Stream is recognised as an exemplar catchment in line with its cultural status as Te Korokoro o Te Ika a Maui (the throat of the fish of Maui). This is reflected in the gurgling sounds made by the stream.

The catchment has a long history of industrial and municipal use. There are two old dams along the Korokoro Stream that are more than 100 years old. One was used for the local community's municipal supply, the other by a wool mill. These original municipal and industrial uses are now gone. The catchment is mainly used for recreation by locals. It is mostly contained within Belmont Regional Park, which contains a popular and accessible walking track, and is also known for its trout fishery.

Te Mātāpuna of the Korokoro Stream are still pristine and have provided Taranaki Whānui with a vital supply of high-quality drinking water for the Pito-one Pā for many generations. The stream is of exceptional value to iwi due to the abundant spiritual sustenance it provides. Whānau (family group), hapū and iwi carry out rituals, collect rongoā, and continue to share stories of its healing practices and teachings. It is also mahinga kai (food gathering area) for the hapū of Taranaki Whānui and Te Ātiawa, particularly renowned for whitebait, longfin tuna and shortfin tuna.

The Pito-one Pā / Te Tatau o te Po on the Petone foreshore is a significant wāhi ahurea (historical site) positioned near the mouth of Te Korokoro o Te Mana.

Mana whenua expect that the unique and special values associated with Te Korokoro o Te Mana will be enhanced through the recognition of the persona of the awa and restored through active management.

Main issues in this catchment

Much of the upper Korokoro catchment has regenerating forest cover, resulting in a good current state for most of the freshwater ecological attributes. However, where pastoral grazing and urban development is occurring, water quality has degraded and will continue to do so without interventions.

Low-to-moderate intensity pastoral land use occurs in the upper Korokoro catchment and is a source of **sediment and nutrients** to streams and headwater gullies. This pressure will reduce over time as Belmont Regional Park transitions out of pastoral land use and farm and catchment planning becomes common practice. Sedimentation from plantation forestry harvest needs to be managed well to reduce this pressure.

Urban development is the biggest risk to Korokoro water quality. If not managed appropriately to our recommendations, the Korokoro catchment could quickly be affected by **stormwater**

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contamination, hydrological changes and channel modifications associated with urbanisation. We recommend the adoption of best-practice WSUD for urban redevelopments now and into the future.

Modification, channelisation and de-vegetation of the Korokoro Estuary and lower stream reaches has reduced overall stream health in this area, including the total removal of inanga spawning habitat. Locally specific assessments and catchment planning with mana whenua and communities will identify the best places for habitat restoration in some urban and rural sub-catchments.



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Journey from current state to wai ora

	_			ora												_				
		Ecological health														Human health				
Sub- catchment areas		Macroinvertebrates						Periphyton					F	ish		E. coli				
	Curr	rrent First steps		l	Curre	ent	First steps			Cur	rent	First	steps	I	Cur	rent	First steps		1	
	C	F	s	G	Longer term	С	F	s	G	Longer term	С	F	s	G	Longer term	С	F	s	G	Longer term
Korokoro Stream	В	Ţ	В	A		В	ļ	В	В		Α		Α	Α		С		С	В	
Korokoro Estuary *	С	11	С	С		В	ļ	В	В				No tar	gets		С		С	В	
	Ecological toxicity																			
Sub- catchment areas			Zinc				Nitrate				Ammonia									
	Curr	Current First steps		Current First steps				Cur	rent	t First steps		I l	Current First step		steps	;				
	C	F	s	G	Longer term	С	F	S	G	Longer term	С	F	s	G	Longer term	С	F	s	G	Longer term
Korokoro Stream	Α		Α	Α		Α		Α	Α		Α		Α	Α		Α		Α	Α	
Korokoro Estuary *	Α	ı,	Α	Α		A			No targets					No targets						
					Sedi	iment														
.			CI	arity		Deposited					Phosphorus					Dissolved oxygen				
Sub- catchment areas	Curr	ent	First	steps	l	Current		First steps			Cur	rent	First steps		I l	Current		First steps		l
	С	F	s	G	Longer term	C	F	S	G	Longer term	С	F	s	G	Longer term	С	F	s	G	Longer term
Korokoro Stream	Α	1	Α	Α		Α		Α	Α		В		В	Α		Α		Α	Α	
Korokoro Estuary *		No targets						Α		No targets						No targets				

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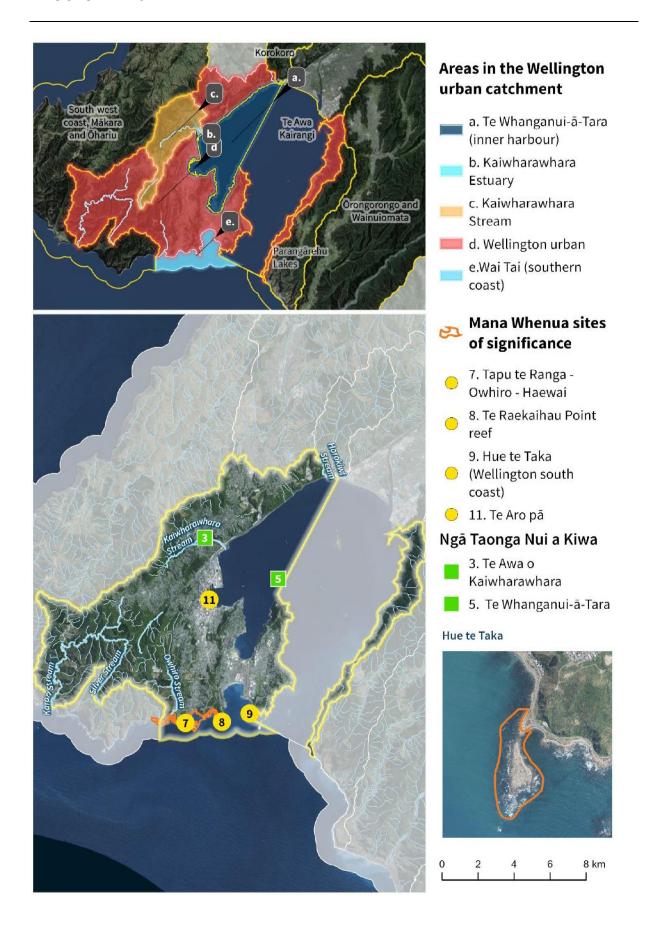
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Catchment context and description

The main streams in the Wellington urban area are the Kaiwharawhara, Karori and Ōwhiro Streams, which flow to the Whanganui-a-Tara inner harbour or out to the South Coast and the Cook Strait. Wellington City and its surrounds are mainly urban areas with some indigenous vegetation on the city fringes, town belt and in the headwaters of streams. Some rural land use activities are undertaken in tributaries of the Karori Stream.

Kaiwharawhara is the largest stream system in Wellington city and one of the few remaining streams that has a relatively natural estuary mouth into the harbour. The stream runs around the west of Te Ahumairangi (Tinakori Hill), the maunga (mountain) that surrounds and sustains the city of Wellington.

Te Manga o Kaiwharawhara and its environs are considered significant to both the history and continued wellbeing of the Te Ātiawa and Taranaki Whānui people. The stream is also a site of wāhi whakarite (preparing for an important activity/event) and was used for rituals (such as planting at Puanga/Matariki).

As the population of Wellington has grown over time, the urban footprint has expanded and densified. The proximity and accessibility to our homes means these urban streams are highly valued, and have great potential for people to reconnect to their local waterways and get involved in their improvement.

The Kaiwharawhara catchment is the gateway for people entering and exiting the city with the major transport corridors of State Highway 1 and the North Island main railway running through it. The approach to urban development and transportation has seen many streams piped, or in concrete channels and parts of the inner harbour reclaimed, for the central business district and Port.

Despite the surrounding environment being heavily urbanised and the stream experiencing pressures from urban land uses (such as from stormwater), the Kaiwharawhara Stream has high ecological and cultural values. Kia Mauri/mouriora te Kaiwharawhara (Sanctuary to Sea) is a project funded to continue the creation and restoration of indigenous fish habitat, which includes spawning sites. Monitoring is also carried out at Zealandia where te mātāpuna are found.

Āku Waiheke (the many small streams) of Wellington have been largely lost through piping, contamination and infill. This is a significant issue for mana whenua who retain aspirations that their streams are wherever possible day-lighted and their mana and mauri (wellbeing) restored.

The Kaiwharawhara Pā was located near the stream mouth and remains a significant site for Taranaki Whānui forming the original gateway into Wellington.

The Cook Strait also faces considerable pressure from stormwater and wastewater discharges from these areas. This is a critical issue for mana whenua due to the impacts these discharges are having on mahinga kai, cultural and recreational use, and there is currently very little data or understanding of their effects.

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Main issues in this catchment

Wellington City streams suffer from a wide range of stressors and are generally in a poor state. Most streams in the city have been heavily modified or piped, with only small (mainly headwater) reaches still open to daylight. We risk losing connection with our urban streams and the values they provide if the current trend of reclamation and encroachment continues, while the streams themselves lose their mauri and life-supporting capacity.

Around one-third of Wellington City's wastewater network is in a poor state (i.e., broken and leaking) and in need of repair, and wastewater overflows are a common occurrence. Faecal contamination of the accessible streams (such as Kaiwharawhara, Ōwhiro and Karori) means they are not safe for human contact, even in dry weather. More recently, small 'lifestyle blocks' have appeared in some of the main valleys (such as South Karori, Long Gully and towards Mākara), generally along the waterways and each with its own septic system.

Our recommendations target the improvement in *E. coli* to achieve the C state in a generation and we believe the journey of further improvement must continue from there. This involves institutions and residents taking responsibility, fixing all **cross-connected storm and wastewater networks** and eliminating overflows to a rare occurrence, as well as the picking up of **dog faeces and septic tank management**.

Landfills (historic and current), as well as other **contaminated sites**, are also leaching toxicants into streams and this needs to be addressed.

Reducing sediment and improving the state of ecosystem health in Wellington's urban streams will require fundamental changes in the **hydrological effects of urban stormwater**, enhancements in the form and function of stream-beds, and significant habitat restoration. Projects of this scale go beyond our general recommendations and require locally specific diagnostic assessments and integrated catchment planning. It would also have implications for current land use, as the restoration of streams would involve rebuilding their habitats and meandering forms.

The Wellington City catchments that have been identified for **intensification and infill housing** will need careful management not to further exacerbate the pressure on our already **stressed urban streams**. We recommend the adoption of best-practice WSUD for urban redevelopments now and into the future.

Urban development, encroachment and catchment imperviousness (these increase peak flow rates during rainfall) have resulted in the need for flood control works, including river straightening, channel stabilisation and vegetation removal to ensure the safety of people, property and infrastructure. But this has also **changed the form, function and habitat of streams** in these urban catchments. Many streams are affected by **lack of space, no vegetation for shading, abnormal flows from stormwater, contaminants and straightening**. Some streams do have shading and space, but are still affected by abnormal flows, contaminants and flooding defences.

Many urban streams have been modified in ways that provide **barriers to fish** from moving through catchments as they need to at different phases of their life. The advice we have received on fish passage remediation is that once all barriers have been identified, remediation should be feasible within 25 to 30 years. Remediation does not equate to removal — passage barriers can often be

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modified to meet the needs of specific species. When this is achieved, we expect to see this attribute state shift to an A state.

The **channelisation of the Kaiwharawhara Estuary** means its natural processes no longer operate as they should. Contaminants are flushed through the concrete channel and it has an 'artificial' A state for most 'water-quality' parameters. An unusual challenge associated with restoring the habitat and natural processes in Kaiwharawhara Estuary is that while ecosystem health and cultural values may increase, other parameters may reduce as flows slow down through the estuary and contaminants can accumulate. Catchment actions to reduce the inputs may help, but it's uncertain if this would be sufficient to maintain an A state for these parameters.

In **Te Whanganui-a-Tara harbour**, although current state assessments reflect the whole inner harbour, there are **hotspot sites for metals contamination** in benthic sediment, particularly around the Queens Wharf and Port areas and stormwater outfalls. Our recommendations will help prevent further degradation.

Depositional basins will always have naturally high muddiness and it is difficult to improve significantly, although improvements within the D state (A state for Evan's Bay) may occur over time.

Benthic macroinvertebrates will likely improve within the existing state as these are associated with legacy effects to sediment and metals. This gradual shift will take multiple generations for the worst sites and potentially shorter timeframes at more resilient sites.

Enterococci in the inner harbour sites should improve to a B state with improvements to infrastructure.

The open coastal waters are in a good state, although sediment inputs and faecal contamination after rainfall may continue to impact recreation at Karori Stream and Ōwhiro Bay, and the collection of mahinga kai at these sites is likely to continue to be affected.

This stretch of coastline which contains the Taputeranga Marine Reserve may also be affected by poorly understood freshwater impacts, including emerging contaminants.

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Journey from current state to wai ora

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Te Whanganui-a-Tara (inner harbour) *	В	II.	В	В		Α	Α	Α			No targets		С	С	В	
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Kaiwharawhara Estuary *			Not	argets		Α	Α	Α			No targets			No ta	rgets	
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Wai Tai (southern coast) *			Not	argets		A	Α	Α			No targets			No ta	rgets	
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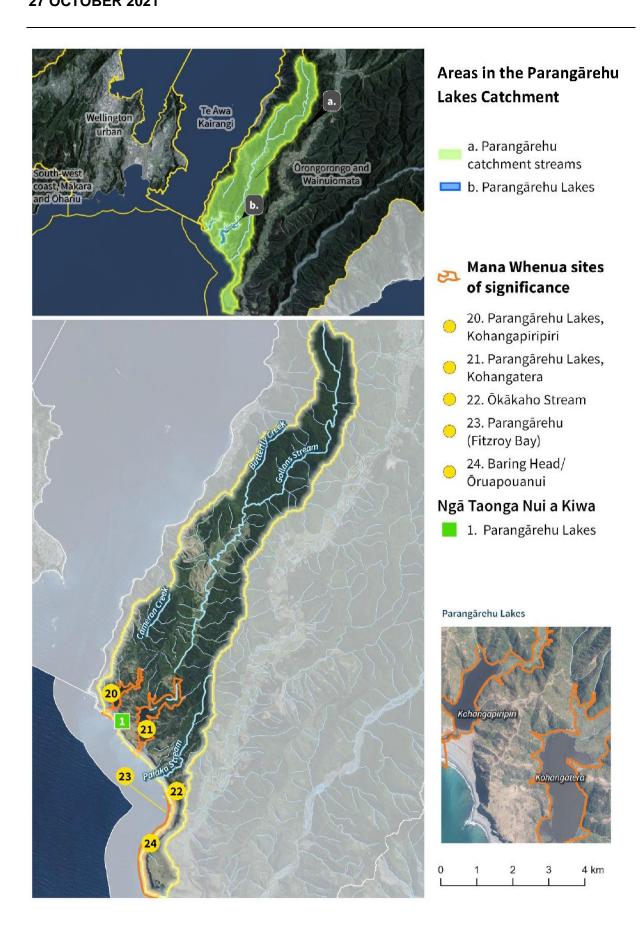
Current illustrates the current state assessment (C) and forecast change (F) if we did not change our current management of stressors upon that attribute. A single arrow (\$\psi\$) indicates that deterioration within an attribute state is expected and a double arrow (\$\psi\$) indicates that an attribute state deterioration is expected. Forecasts have not been made for the deposited sediment and dissolved oxygen attributes.

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*Coastal environments use attributes specific to those environments. However, they are shown under similar river attribute headers: Benthic Macroinvertebrates are presented under MCI, Macroalgae under Periphyton, Enterococci under E. coli, and Muddiness under Deposited Sediment.

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Catchment context and description

The Parangārehu Lakes (Parangārahu is also an appropriate usage) are two small, shallow, coastal lakes situated on the southern coastline within the East Harbour Regional Park. This catchment area includes these lakes and the upstream and surrounding short coastal-facing land of Baring Head. The headwaters of Lake Kōhangaterā includes Gollan's Stream with wetland, pastoral and native forest areas, as well as the popular Butterfly Creek recreational area. The Lake Kōhangapiripiri catchment, the smaller of the two, is mainly indigenous forest and regenerating scrublands, with significant wetlands to the north of the lake.

These lakes are highly valued by the wider community for recreational activity and their impressiveness. The Kōhangaterā and Kōhangapiripiri Lakes have many important values, including as outstanding wetlands and water bodies for indigenous biodiversity values, Ngā Taonga nui a kiwa and sites of significance to Taranaki Whānui, and are regarded as nationally significant lakes of their type. The presence of these lakes is a 'jewel in the crown' in this whaitua and they are outstanding.

Gollan's Stream is the primary kuinga (source) of wai entering Lake Kōhangatera and is a place of great beauty and pristine waters. Te mātāpuna o te manga (the headwaters of the stream) are found in the undisturbed beech forest of the Eastbourne hills. This forest also forms part of the East Harbour Regional Park and it is managed by Greater Wellington.

Historically, Lake Kōhangaterā was a superior fishery for Taranaki Whānui. Karaka groves were planted alongside the lakes as a food source and the tributaries contain raupō beds. The area was a summer camp for whānau (family group) as they fished not only the lakes but the sea. Important mahinga kai sites in the area include Ōkākaho Stream, Parangārehu (Fitzroy Bay), Ōruapouanui/Baring Head and Kōhangaterā Lake, where species (such as longfin and shortfin tuna, mullet, kahawai and whitebait) were found. These sites are also puna rongoā and puna raranga (a source of medicinal and weaving material)

The Port Nicholson Block (Taranaki Whanui ki Te Upoko o Te Ika) Claims Settlement Act 2009 came into force on 5 August 2009, which transferred ownership of the lakebeds of Lake Kōhangapiripiri and Lake Kōhangaterā, the esplanade land surrounding both lakes and the dendroglyph site to the Port Nicholson Block Settlement Trust (PNBST). Greater Wellington and the PNBST jointly manage the Parangārehu Lakes Area through a 'Rōpū Tiaki' or guardianship group. The iwi and co-management partner Greater Wellington have drafted a management plan jointly to support the ecology of the area. All future planning and management actions for these lakes must recognise the co-management agreements and tino rangatiratanga of Taranaki Whānui over these lakes.

Our committee recognises the Vision and Outcomes of the <u>Parangārahu Lakes Area Co-Management</u> Plan that includes:

Moemoeä – vision

Kōhangapiripiri – Kōhangaterā – Kohanga ora: Nests nurturing life and wellbeing.

The outcomes – which are the Indicators of life, health and wellbeing are:

 Tuna Heke — restoration of the eel and native fishery of the lakes as a self-replenishing mahinga kai for Taranaki Whānui

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- Manu Korihi flourishing forested landscape and healthy wetland-lake ecosystem sustains
 multitudes of birds and indigenous species and a revitalisation of Taranaki Whānui cultural
 practice
- Tangata Kaitiaki managers, visitors and Taranaki Whānui are active kaitiaki protecting the catchments as taonga, which contributes to personal, community and tribal wellbeing.

Main issues in this catchment

The Parangārehu Lakes are generally considered to be in good, if not excellent, condition but there are emerging pressures causing concern. Te Māhere Wai raises a number of issues about the Parangārehu Lakes catchments that Greater Wellington must also consider and address.

The relatively recent detection of **invasive exotic plants in both lakes** threatens to upset the current macrophyte (aquatic plant) assemblage, which includes a range of unique and rare species. Recent incursions of the aquatic weed egeria (*Egeria densa*) in the upper Lake Köhangaterā catchment is of particular concern. If not managed, there is a very real risk that egeria could out-compete and smother native macrophytes.

Both lakes have relatively **high nutrient levels**, which if not controlled could result in the lake experiencing an increase in phytoplankton blooms, or in a shift from a macrophyte to a phytoplankton-dominated system.

Excess **sediment** directly affects the health of the streams and is a potential source of nutrients. Suspended sediment can also reduce lake clarity, favouring some aquatic plants over others, potentially upsetting the current balance. Clearance of steep land for agricultural use in the lakes' catchments has resulted in increasing sedimentation in the lakes. Direct **livestock access to streams** hampers the growth of riparian vegetation and further weakens the stability of stream-banks. A lack of livestock exclusion and stream-bank vegetation in these catchments has left **stream bank margins prone to erosion** during periods of high rainfall.

Concern has been raised about the current level of **public access**. The Parangarehu Lakes need to be protected from development, pollution and should be accessed in a biosecurity and environmentally conscious manner by the public.

Actions likely to achieve shifts towards wai ora in a generation include good environmental practices addressing:

- Stock exclusion for wetlands (required in national regulation).
- Stock exclusion for Gollan's Stream and 1m wide tributaries (required in national regulation on low-slope land), which will also address stock exclusion for low-lying wetlands adjacent to streams
- Any seepage wetlands in catchment assessed through catchment and farm environment planning.
- Any erosion
- risks with a focus on stream-bank sources assessed through catchment and farm environment planning, which will also reduce phosphorous sources.

Also of concern is that the coastal road may be acting as a barrier to fish passage to the Lakes.

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Table footnote

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Appendices

Appendix 1: Committee establishment and membership

Whaitua Te Whanganui-a-Tara is the third of five whaitua processes Greater Wellington is undertaking as part of its requirement to give effect to the National Policy Statement for Freshwater Management 2020.

Greater Wellington saw the establishment of whaitua committees as an opportunity to do things differently through a devolved, community-led planning process. Greater Wellington aims to ensure that improvements in water quality are driven by local leadership, knowledge and priorities.

Whaitua Te Whanganui-a-Tara decision making is informed by many voices: national legislation that directs regional and district plans; the voices of the many and diverse local communities, whānau, hapū and individuals who provided their views; scientists from all disciplines; and those with cultural or local knowledge. It also considers those who do not have a voice or struggle to be heard, including younger and future generations. We have sought to represent all these voices.

The founding members of the Whaitua Committee were Roger Blakeley and Paul Swain (Greater Wellington), Morrie Love and Kara Puketapu-Dentice (Port Nicholson Block Settlement Trust/Taranaki Whānui ki Te Upoko o Te Ika), Hikitia Ropata and Naomi Solomon (Ngāti Toa Rangatira), Tui Lewis (Hutt City Council), Wayne Guppy (Upper Hutt City Council), Peter Gilberd (Wellington City Council), and Anya Pollock, Gabriel Tupou, Jonny Osborne, Louise Askin, Pat van Berkel, Peter Matcham, Quentin Duthie and Zoe Ogilvie (community representatives).

The first meeting was held on Matiu/Somes Island in February 2019 and was hosted by Taranaki Whānui. A key outcome of the day was a commitment to a bicultural approach to the way we would operate and make decisions. We were all encouraged to not just follow a 'bicultural process', but to think from the start that the outcome would be different from any previous similar processes.

In early meetings we decided we would benefit from a joint chairing arrangement, with one of the chairs being mana whenua and the other a member of the community who was not mana whenua. Kara Puketapu-Dentice and Louise Askin were confirmed as co-chairs at our third meeting.

The committee's make-up changed during its tenure:

- Morrie Love left and was replaced by Sam Kahui; Paul Swain left and was replaced by Councillor Ros Connelly; and Peter Gilberd left and was replaced by Councillor Sean Rush.
- Quentin Duthie resigned in February 2021 after making an outstanding contribution to the committee during its first two years.
- Kara Puketapu-Dentice stepped down as co-chair in December 2020 and continued as a committee member. Sam Kahui was appointed as his replacement.

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Appendix 2: Our community's freshwater values in Whaitua Te Whanganui-a-Tara

This Appendix takes a close look at the things we value in the waterbodies of our whaitua (our 'freshwater values'). These values all apply to some extent to all the waterbodies:

- Freshwater ecosystem health
- Mahinga kai
- Threatened species
- · Natural form and character
- Māori customary use and wai tapu
- Drinking-water supply
- Human contact (primary)
- Community connection
- Animal drinking water
- Commercial, industrial use and the production of food and beverages
- Transport and Tauranga waka
- Fishing.

For a detailed description of specific mana whenua values in this whaitua, see *Te Mahere Wai*, the companion document produced by Te Kāhui Taiao (the mana whenua membership of the Whaitua Committee).

Freshwater ecosystem health

This refers to the extent to which a catchment supports an ecosystem appropriate to the type of water body (e.g., river, lake, wetland or aquifer). There are five biophysical components that contribute to freshwater ecosystem health and all of them need to be managed. They are:

- Water quality the physical and chemical measures of the water (such as temperature, dissolved oxygen, pH, suspended sediment, nutrients and toxicants)
- Water quantity the extent and variability in the level or flow of water
- Habitat the physical form, structure and extent of the water body, its bed, banks and margins; its riparian vegetation; and its connections to the floodplain and to groundwater
- Aquatic life the abundance and diversity of biota, including microbes, invertebrates, plants, fish and birds
- Ecological processes the interactions among biota and their physical and chemical environment (such as primary production, decomposition, nutrient cycling and trophic connectivity).

We must also consider ways to fulfil the mauri or āhua of our waterbodies. *Te Mahere Wai* has more on this, including information on a Te Oranga Wai assessment framework (currently in development) for determining kei te ora te mauri (the mauri of the place is intact). The framework offers wider tools for assessing the NPS-FM's first priority of Te Mana o te Wai, and the provision of other mana whenua values. The western science measures of the national objectives frameworks are a part of (but insufficient on their own) for fully understanding the mauri, mana and āhua of waterbodies.

Ecosystem health as key indicator of the health of the waterbody – to be prioritised under Te Mana o te Wai applies to all freshwater bodies and coastal receiving environments of all sizes and types. Where a waterbody is significantly degraded or modified the journey of improvement may be long, but we must work to achieve the first priority (providing for ecosystem health) with kei te

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ora te mauri as the destination. Providing for the health of the awa will provide for the health needs of people and other human uses and values.

Mahinga kai

Mahinga kai generally refers to freshwater species that have traditionally been used as food, tools or other resources. It also refers to the places those species are found and to the act of catching or harvesting them. Mahinga kai provides food for the people of the rohe and these sites give an indication of the overall health of the water. For this value, kai would be safe to harvest and eat. Transfer of knowledge is able to occur in the preparation, storage and cooking of kai. In catchments or sub-catchments that are used for providing mahinga kai, the desired species are plentiful enough for long-term harvest and the range of desired species is present across all life stages.

To achieve kei te ora te mauri (the mauri of the place is intact) in catchments that are valued for providing mahinga kai, customary resources are available for use, customary practices are able to be exercised to the extent desired, and tikanga and preferred methods are able to be practised. See *Te Mahere Wai* for direction on mahinga kai in this whaitua, and the in-development Te Oranga Wai assessment framework for information on the methods and basis for attribute state targets in regional planning documents.

Threatened species

This refers to the extent to which a catchment supports a population of threatened species has the critical habitats and conditions necessary to support the presence, abundance, survival and recovery of the threatened species. All the components of ecosystem health must be managed, as well as (if appropriate) the specialised habitat or conditions needed for only part of the life-cycle of the threatened species.

Unfortunately, threatened species' habitats and passage requirements have been degraded to a greater or lesser extent in all waterbodies in the whaitua, especially around the coastal margins. In areas of urban development, the requirements of threatened species that live in or rely on freshwater habitats or coastal receiving environments have also been diminished. We must meet their requirements if we're to achieve the first priority of Te Mana o te Wai in the NPS-FM.

Natural form and character

This refers to the catchment having particular natural qualities that people value. Natural qualities may include exceptional, natural or iconic aesthetic features.

Matters contributing to the natural form and character of a waterbody are its biological, visual and physical characteristics that are valued by the community, including:

- Its biophysical, ecological, geological, geomorphological and morphological aspects
- The natural movement of water and sediment, including hydrological and fluvial processes
- The natural location of a water body and course of a river
- The relative dominance of indigenous flora and fauna and the presence of culturally significant species
- The colour of the water
- The clarity of the water.

See *Te Mahere Wai* for information on mauri, mana and āhua as related values to natural form and character.

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If we're to achieve the first priority of Te Mana o te Wai in the NPS-FM, it's important that we restore natural flow paths, habitat and shading, natural variations in flows and natural features (such as runs and riffles). This provides for the intrinsic values of the life-supporting capacity and integrity of the uniqueness the waterbody has. This has the additional benefit of allowing the waterways to be more easily viewed and accessed, and provides people with visual amenity and a sense of place and connection. This value applies to all freshwater bodies and coastal receiving environments of all sizes and types.

Māori customary use and wai tapu

Māori customary use refers to the interaction of Māori with fresh and coastal water for cultural purposes. This includes the cultural and spiritual relationships with water expressed through Māori practices, recreation and the harvest of natural materials.

Wai tapu represent the places in a catchment where rituals and ceremonies are performed, or where there is special significance to tangata whenua. Rituals and ceremonies include, but are not limited to, tohi (baptism), karakia (prayer), waerea (protective incantation), whakatapu (placing of rāhui), whakanoa (removal of rāhui) and tuku iho (gifting of knowledge and resources to future generations). In providing for this value, the wai tapu are free from human and animal waste, contaminants and excess sediment, with valued features and unique properties of the wai protected. Other matters that may be important are that there is no artificial mixing of the wai tapu and identified taonga in the wai are protected.

For more information, see schedules B and C of the Natural Resources Plan and further detail in *Te Mahere Wai*.

Drinking-water supply

This refers to the catchment meeting people's drinking-water needs. Water quality and quantity is sufficient for water to be taken and used for drinking-water supply.

Matters affecting the suitability of water for drinking include:

- Physical, chemical and microbiological contamination (e.g., bacteria and cyanotoxins, viruses, protozoa and other pathogens)
- Any other contaminants identified in drinking-water standards issued under the Health Act or any other legislation
- The effects of contamination on drinking-water treatment processes and the safety of drinking water and its aesthetic value (i.e., appearance, taste and smell).

The Te Awa Kairangi/Hutt River, Wainuiomata and Ōrongorongo River catchments are the major sources of water for the municipal drinking-water network, which draws from surface water takes and groundwater supply from the Hutt aquifer.

The municipal network supplies drinking water for residential, public and commercial uses to the cities of Upper Hutt, Lower Hutt, Wellington and Porirua. All catchments also have small-scale water takes for domestic use and animal drinking water. In a small number of locations, there are surface water takes or bores for small-scale commercial uses through consents for taking water, because even these can be the source of significant risks to mauri and ecosystem health.

Drinking-water supply should not compromise the ecosystem health needs of the waterbody, as well as it being protected from contamination and overuse. We need everyone to be self-responsible for the water they use and for the impacts of extracting water that would otherwise stay in the river ecosystem. In accordance with the kawa, we should all minimise and be as efficient as possible with our water use.

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Human contact (primary)

This refers to the extent to which a catchment supports people being able to connect with the water through a range of activities (such as swimming, waka, boating, fishing, mahinga kai and water skiing) in a range of different flows or levels.

Matters affecting the ability to have safe and suitable human contact with waterways include pathogens, water clarity, deposited sediment, plant growth (from macrophytes to periphyton to phytoplankton), cyanobacteria, other toxicants and litter.

Through our public engagement, we've found that the water quality required for safe and direct human contact applies to all fresh and coastal waterbodies of all types and sizes. We've heard that people's long-term goal for urban streams is that they're safe places for children to play, and that this is important to restoring their mana and people's connection to them. It shows that human contact is necessary for much more than recreation, mahinga kai, customary Māori use, mental health or community connection.

Community connection

The 'community connection' value refers to the sense of connection that people feel to the waterways where they live and with which they interact.

Through our public engagement with the wider community, we've received a strong message that the unique nature of our rivers, streams, swimming holes, wetlands and coastal waters, together with their environment, gives people a significant sense of place and contributes to their identities. We've learned that community connections with freshwater deliver value to people, whether through their participating in its care or through mental health benefits, spiritual connections, a sense of identity, a sense of place, stories and culture, or physical health.

This value is clearly significant. It signals that we need to consider, respect and enhance opportunities for community connection alongside our work in maintaining and improving waterbody health. It results directly and incidentally from an extensive range of activities that include fishing, diving, tramping, dog walking, swimming, sunbathing, walking, running and cycling by streams, playing, community events and gatherings, and enjoying the sounds of water and the sight of fish.

Community members and groups, and businesses of all types, in the whaitua have essential roles in leading and undertaking the restoration effort we require to improve the health of our freshwater at the scale and pace required.

We need Greater Wellington and city councils to:

- · Partner with them in visioning, planning and delivering change
- Move beyond conventional consultative approaches
- Encourage a long-term commitment
- Boost their enthusiasm, hope and sense of connection to the whaitua by ensuring they
 understand their roles and the value of their contributions
- Develop clear resourcing strategies with mana whenua and council agencies.

The high population density in Te Whanganui-a-Tara enables important community connections to waterbodies of all types and sizes. See *Te Mahere Wai* for detailed descriptions of mana whenua and mātauranga relationships with awa and wai.

Animal drinking water

This refers to the catchment meeting the needs of farmed animals. Water quality and quantity meets the needs of farmed animals, including whether it is palatable and safe.

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PŪRORO ĀMUA - PLANNING AND ENVIRONMENT COMMITTEE

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All catchments in the Te Whanganui-a-Tara whaitua have some pastoral land use and farmed animals, and many smaller 'lifestyle' properties where people hold livestock that require water to drink.

Commercial, industrial use and the production of food and beverages

This refers to the catchment providing economic opportunities for people, businesses and industries.

Water quality and quantity can provide for commercial and industrial activities. Irrigation and cultivation are not major uses in this whaitua, but do exist at a limited scale. The production of food and beverages are significant industries in this whaitua and most people use water from the municipal supply network.

Water quality and quantity should also be suitable for irrigation needs, including supporting the cultivation of food crops, the production of food from farmed animals, non-food crops (such as fibre and timber), pasture, sports fields and recreational areas. In this whaitua, most economic use comes from commercial use of the municipal water supply network, but water is also used from private surface and groundwater takes to support a range of livelihoods.

We now need to develop a strategy to ensure enough water is available for commercial and industrial use without compromising its health, aquatic ecosystems and human health. It's important to also remember that commercial freshwater values are intimately linked to people's mental and physical health through employment and prosperity.

Transport and Tauranga waka

This refers to the catchment being navigable for identified means of transport. Transport and Tauranga waka generally refers to places to launch waka and watercraft, and appropriate places for waka to land (Tauranga waka).

While this whaitua has few waterway reaches that are suitable for navigating waka or watercraft, the tubing and kayaking for recreation does occur in Te Awa Kairangi and the lower reaches can be suitable for larger craft. See *Te Mahere Wai* for direction on the mana whenua values for navigation and Tauranga waka.

Fishing

This refers to how the catchment supports fisheries of species allowed to be caught and eaten. For catchments valued for fishing, the numbers of fish are sufficient and suitable for human consumption. In some areas, fish abundance and diversity provide a range in species and size of fish, and algal growth, water clarity and safety are satisfactory for fishers. Attributes — a measurable characteristic of freshwater (including physical, chemical and biological properties) that supports particular values — will need to be specific to fish species (such as tuna, lamprey, whitebait, salmon or trout).

The PNRP identifies some rivers in the whaitua as significant for sport fisheries. The fish in these areas are healthy and should provide for recreational use for as long as there is demand, and as long as there are no negative effects on indigenous species and the practice of mahinga kai.

The PNRP identifies some rivers in the whaitua as significant for sport fisheries. We also recognise the lower Te Awa Kairangi and coastal receiving environment as important places for fishing native species (such as kahawai and mullet). See *Te Mahere Wai* for direction on the mana whenua values for mahinga kai.

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Appendix 3: Te reo Māori glossary

Te reo Māori Term	English Terminology
Āhua	Natural character
Hauora	Health and wellbeing
Kawa	Protocol, ritual chants, system
Mahi kai/mahinga kai	Food gathering places
Mauri	Life force
Tauranga waka	Canoe landing places, moorings
Wai ora	Water which gives life



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Appendix 4: Technical glossary

Item	Description
Allocation	The process of distributing water supplies to users to meet the various requirements of a community.
Aquifer	A geological layer in which groundwater is stored. The amount of water stored depends on the geological material (e.g., gravels are likely to store more water than dense rock). Aquifers are recharged by rainfall and surface water (through streams and rivers). Groundwater is taken from aquifers for many uses, including drinking water.
Attribute states	Are a measurable characteristic of freshwater (including physical, chemical and biological properties) that supports particular values. Within the NPS-FM, various states have been determined for different attributes (i.e., nitrate toxicity), which range from A to E. The NPS-FM requires Greater Wellington to set target attribute states.
Bulk water consent	A resource consent (or consents) granted by Greater Wellington for the taking of large amounts of water for municipal use.
Citizen science	A scientific endeavour in which investigations or monitoring are carried out by community members who are not qualified scientists.
Coastal receiving environments	The coastal environment which freshwater runs into.
Constructed overflow (also known as wastewater overflow)	A site where underground flows of wastewater can overflow into the stormwater network when pipe capacity is exceeded, typically during wet weather (driven from inflow and infiltration). These are designed fail-safes to ensure that sewage does not backflow into residential properties, but instead results in discharges to the environment.
Contaminant	Any physical, chemical, biological or radiological substance that has an adverse effect on air, water, soil or living organisms (such as heavy metals, pathogens and nutrients).
Critical source areas	Small, low-lying rural or urban areas where runoff accumulates contaminants in high concentrations, and/or hotspots of activity or contaminant generation (such as stock camps and cattle races, construction sites or industrial operations).
Cross-connection	Where a wastewater pipeline (often from a residential household or development) has been connected to a stormwater pipeline, resulting in a continuous direct discharge of sewage to the environment.
Cyanobacteria (also known as blue-green algae)	An ancient group of microscopic organisms found naturally in all water types. They produce a range of natural compounds, of which some can be toxic to people, dogs and livestock.
Diffuse discharge	A discharge that cannot be traced back to a single source/point (such as a stormwater pipe or farm runoff).
Discharge	Any spill, emission, leaking, pumping, injection, deposit, dispersal, leaching, migration, disposal, discharge or release of a contaminant, or water or soil containing a contaminant.
Drinking water	Raw water that has been abstracted from rivers and aquifers and treated to an acceptable 'drinking water' quality, then pumped/distributed around cities to be used for commercial, residential and industrial activities.

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Drinking-water	The network of pipelines, reservoirs, dams, treatment plants and pump
network	stations that moves raw and treated drinking water around cities.
Exfiltration	All leakage of wastewater into the environment through broken pipes (either
	public mains or private laterals connected to public mains).
Flushing flows	High river flows, usually associated with rainfall, which flush out the river
-	system and can scour out macro-algae. They can be artificially induced as a
	mitigation measure in rivers where flows have been lowered by dams or large
	abstractions.
Freshwater Farm	These plans are a central government regulatory requirement for farms over
Plans	20ha in area.
Global	The resource consent granted to Wellington Water to operate the stormwater
stormwater	network in the whaitua.
network consent	
Grade 1–5	A generic grading assessment used for pipelines. Grade 1 signals very good
Glade 1-3	
	condition, grade 2 good condition, grade 3 average condition (some potential
	for leaks) and grades 4 and 5 poor/very poor condition and in need of repair
Green	or urgent works.
	Engineering structures built as part of water-sensitive urban design (WSUD),
infrastructure	including constructed wetlands, rain gardens, permeable paving, swales and
	green roofs.
Greywater	Untreated liquid wastewater from domestic sources (such as household sinks,
	basins, baths, showers and similar appliances). This term does not include
	toilet, faecal matter or urinal wastes (wastewater).
Hydraulic	The mean annual runoff and peak flows from a wide range of rainfall event
neutrality	sizes from a completed development is the same as it was prior to
	development, and should not result in increased stress (hydrologically or
	ecologically) on the stormwater network or the receiving freshwater
	environment.
Inflow and	The connection of stormwater (and groundwater) to the wastewater network,
infiltration	which can lead to wastewater overflows. Inflow is from surface runoff (i.e.,
	down pipes connected to gully traps) and infiltration is from groundwater
	inflow (through old or damaged pipes).
Infrastructure	A technical measure of the drinking water network's performance for leaks. It
Leakage Index	allows for comparisons to other cities around the world.
(ILI)	
Laterals	Small pipes connecting a property to the public three waters network
	(stormwater, wastewater and drinking water). They are often privately owned
	with little knowledge about their state/condition.
Main	Primary public network pipelines that many laterals drain to (stormwater or
	wastewater) or source water from (drinking water).
Mean annual low	The naturalised mean (average) annual low flow with a duration of seven days.
flow (MALF)	, , , , , , , , , , , , , , , , , , , ,
Minimum flow	The flow or water level at which abstraction from a river or groundwater is
	restricted by Greater Wellington (or required to cease). This may be below the
	MALF.
Natural processes	Dynamic natural, physical and ecological relationships and events that are
atarar processes	characteristically natural in their occurrence and effects. They act to shape the
	Characteristically natural in their occurrence and effects. They act to shape the

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	natural environment and its landforms and features (such as beaches, dunes,
	wetlands and rivers). They include processes of wave formation, breaking and
	dissipation; swash run-up; nearshore currents; sediment transport; erosion
	and deposition; flooding; river meandering; aggradation; and mass movement.
Ngā Taonga Nui a	Schedule B of the Proposed Natural Resources Plan.
Kiwa	Large freshwater and coastal entities from which mana whenua derive cultural
	and spiritual identity, their status as mana whenua and the associated
	responsibilities that come with that including those of kaitiaki. These places
	are the larger rivers and harbours that have a long history of multiple and
	complex resource use associated with large populations. Ngã Taonga Nui a
	Kiwa emphasises the importance of mana whenua relationships with rivers,
	lakes, harbours and estuaries.
NPS-FM	National Policy Statement for Freshwater Management 2020.
Offset	A measurable positive outcome, resulting from an action designed to
	compensate for the significant residual adverse effects on the environment
	arising from an activity after avoidance, remediation and mitigation measures
	have been taken.
Point source	The discharge of water or contaminants at a specific identifiable location (such
discharge	as a factory) or from a fixed facility (such as a pipe).
Potable water	Water that has been treated to a high standard for drinking. Often used
Totable water	interchangeably with 'drinking water'.
Public three	Territorial authorities (local councils) own the three waters assets that move
waters network	
waters network	wastewater, stormwater and drinking water (the 'three waters') around cities.
	These assets are managed by Wellington Water. Private laterals connect to
	these public networks for either water supply or wastewater and stormwater discharge.
Relevant three	This is currently Wellington Water. However, when the Three Waters Reform
	Programme is completed, the management of three waters infrastructure may
waters agency	change to any 'relevant three waters agency'.
Restoration	
Kestolation	The rehabilitation of sites, habitats or ecosystems to support indigenous flora
	and fauna, ecosystem functions and natural processes that would naturally
Diagram algebias	occur in the ecosystem and locality.
Riparian planting	The planting of areas beside rivers and streams to reduce contaminants getting
	into water, stabilise banks, shade the water and provide natural inputs (leaf
51	and wood fall) to contribute food sources and habitat.
Stormwater	Rainfall runoff that has been intercepted, channelled, diverted, intensified or
	accelerated by the human modification of a land surface, or runoff from the
	external surface of any structure (e.g., a roof), as a result of precipitation and
_	includes any contaminants contained in the runoff.
Stormwater	A network of devices designed to capture, detain, treat, transport and
network	discharge stormwater that includes, but is not limited to, kerbs, intake
	structures, pipes, soak pits, sumps, swales, and constructed ponds and
	wetlands.
Stygofauna	Animals that live in groundwater systems or aquifers.
Territorial	City and district councils.
authorities	
Three waters	Stormwater, wastewater and drinking water.

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Toxic algae	The common name for toxin-producing cyanobacteria found in rivers.
Tributary	A river or stream that connects to a lake or a larger river or stream.
Unconstructed	A site where wastewater/stormwater discharges to the surface at a location
overflow	that has not been designed for it, primarily due to insufficient network capacity
	during wet weather events. It is typically found at manholes.
Urban stream	The term that describes the consistently observed ecological degradation of
syndrome	streams draining urban land.
Wastewater	Liquid waste (and liquids containing waste solids) from residential, industrial
	and commercial premises. It includes, but is not limited to, human effluent,
	greywater and trade wastes, and should exclude stormwater.
Wastewater	A community-reticulated wastewater system that includes, but is not limited
network	to, a network of devices, pipes and pump stations, designed to accept and
	transport wastewater from properties to a treatment plant and the discharge
	of treated wastewater from a wastewater treatment plant.
Wastewater	A state when wastewater discharges to the environment through the
overflows	stormwater system through a constructed or unconstructed overflow.
Water-sensitive	A stormwater engineering principle that seeks to maintain and enhance the
urban design	natural water cycle for the built environment, resulting in better water quality,
(WSUD)	flood mitigation and enhanced natural character.
Wellington Water	The three waters agency that currently manages stormwater, wastewater and
	drinking water in Wellington, Upper Hutt, Lower Hutt and Porirua.
Whaitua	Te reo Māori for catchment or space. The Wellington Region is divided into five
	whaitua, each of which will have a Whaitua Committee assigned to develop a
	programme to improve water quality.
WIP	Whaitua Implementation Programme.
Workforce	Organisations recently created to provide industries with greater leadership
Development	across vocational education and training. Each WDC represents a specific
Council (WDC)	sector.



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FOR GREATER WELLINGTON REGIONAL COUNCIL







Te Mahere Wai o Te Kāhui Taiao

A mana whenua whaitua implementation plan to return mana to our freshwater bodies

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inspired by the many people who volunteer their time to return mans to freshwater rivers, streams and wetlands of Whanganu-8-tara.

Written by Hikitia Ropata, translated by Piripi Walker

Dedicated to Te Kühul Talao Project Team

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te Mahere Walio Te kahur Taraci

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He mae tuhituhi na Hikitia Bonete.

He mee whakamaori na Piripi Walke

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Te Ara Tupua ancient pathway

Let me take you back to time immemorial well before man walked upon these islands – when the Te Kählu Maunga (mountain clan) were hauled from the great depths of Te Moenanul-a Kiwa (the great ceen of Kiwa) to open the mouth of the great this Mau.

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Aeon's passed by where a green land mass uplited him out of the water exposing his be to the open air elements bringing his lost to the open air elements bringing his position. In passing, his spirit took the lormation of a spiritus bird, To Koo, who to this day continues to pursue the pathway of enlightenment.

These two Tupus were both trisked with prising open the mouth of the great fish of Mauland, in doing so, opting to take alternative pathwsys. One created the eastern inner harbour pathwsy and, in doing so, lot us with the goographical localic formations of Te Avas Karangut, the Islands of Matiku, Makara, Mokopuna and Te Au a Tane.

of Maint, Makara, Mokopuna and Le Auz Tane. The second drested the vestern inner harbour pathway, commencing from the thiost of the great fish of Maut Leaving bohind the icons of the castern harbour Horotwic Walninshina. Parkiciangianga Perior angl. Tahalaharez and Ngá Uranga.

Kura Moeahu (August 2019)

(To Kahui Maunga, To Ati Awa, Nga Ruahino rangi, Ngati Mutunga Taranaki Tuturu, Ngat Tama, Ngati Ruanui, Ngati Toa)

Te Ara Tupua

Enga twi, enga reo, tena koutou katoa. Kia hoki ake tatou kinga ra o nehe, ki te orokohanga mai o enei moru, kahore kau he tangata kia takahi i öna takutai, ko te wá térá o te hinga mai o Te Kähui Maunga i te rire o Te Moananui-a-Kiwa, hel huaki i te waha o Te Ikaa-Maui.

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trautur os ninengase rus kis huuldi te onihis ote lika-ehkitu, a, i orhalis e riaus õi raus ara akkeel kis kis tala til veilianga se ara whakacos o se känaga, metara sevillo mai inga otu whorus ingaa nuu o Ta /wes Kairangi, onga moturo o Mattu, o Makara, o Mokopuna me Te Aus-Tane.

me i e kua-tane. Ite ara whakaroto o te whanga, thriata mai i le korokoro o te iko-a-Mau me te walito mai i nga tohu ingoa-mu c Hookivi, o Wahinahina, o Punikarangaranga, o Paroro rangu o Tahataharoa ma Nga Oranga.

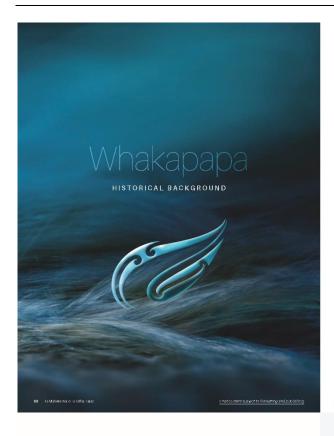
Ko énei Tupuu iokorua I hanga Ié láliou whanga, a, hel wähenga taketake o ôna toffu, o ôna rezenga wai o ona tangata, me ona takotoeanga whonua o karapoti nej o tuku nei i o ratou wai ki To Whanganui a Tara.

(Te Kāhui Maunga, Te Ail Awa, Ngā Ruahine-rangi, Ngati Mutunga Taranaki Tuturu. Ngati Tama. Ngati Fluanui. Ngati Toa)

Te Mahara Watic Te Kanut Tates 07

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Whakapapa

Taranaki Whanui ki te Upoko o te Ika whakapapa

Historical background of Taranaki Whanui ki te Upoko o te Ika

Historical background of Taranaki Whanui ki to Upoko o te lika When the Treaty of Waltangi was signed (6 February 1840), the kwi (tribal group) living in To Whaltiua o To Whanganui-Tara (Wollington Harbour) area originated from the Taranaki region of the North Island. The collective name given to this wile Taranaki Whanui Id To Upoko o To lika (Taranaki Whanui Taranaki Whanui et obe people who descend from one or more of the recognised tippuna (ancestor) of To All Awa, Taranaki Alpstil Tranui, Pajat Tranu, Pajat Mutunga and other felfrom the Taranaki area. Their occupation at the time and continued residence gives Taranaki Whanui the nights and duties of Mana Whenua. They are traditional guardians of Te Whanganui-Tara and associated lands.

Tarandi Whânul migrated to the Weilington area in the 1620s through to 1830s. Since their larnois Whânu has mich ane dan l'a comment coupeilloi, I acrea di Whânu establishe Liènga and popularing a round to Weilington in the coupeilloi, I acrea di Whânu establishe Liènga and popularing a round to Weilington in the correct (and other eread). The traditional kininge pepekainga mira kai

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The takwa of Taranski Whánul exends from Pipinui to Romutaka, downto Turakkee, across to Rimuraja and back, up to Pipinu. Taranski Whanul has overlapping intoresta with Ilgari Toa Bangatira. Bangilaho o Warranapa and Ngari Kahungunu ki Warranapa.

descondante.
The Ren Hicholean Block Settlement Trust
1996 ST Vera-sexulated in August 2008 to
receive and manager the trunsal Whitting
Leady settlement peology as well as social
cultural continued and environmental interests
of immell Whimus. As part of their treaty
actionment, farents Whamus has a Setutory
Addroxicologisment over To New Kalengu, To
Whengman Lean their their body for
transactions of their action of their settlement and their set

Ngati Toa Rangatira whakapapa

Historical background of Ngāti Toa Rangatira

Historical background of Ngáti Toa R Ngáti Toa Rengatira (ligati toa) aro a Tariu hi decended from the porrymous anceter for Bangatira, and those tippara who centrialmed internation to the flushism Marian Cock Strail region through tola raugus i sortification of a tast date compact and ring as ten inflating to the compact of the compact of the compact important inhabitical and collaboration of the strain the control of the compact of the control kit Whiteria, wholesoft the Marian Bauckwee k Warraule Whiteliam C From the place formor as Maria to Kidami in the Bangitication Vihiteria in Formus, across Cock Strail to the Warraule Whiteliam of Portuga, across Cock Strail to the Warraule Vindigation of the control promise, across Cock Strail to the Warraule Vindigation of the Cock Strail to the Warraule Whiteliam of the Warraule Warraule Warraule Whiteliam of the Warraule Warraule Warraule Whiteliam of the Warraule Whiteliam of the Warraule Warr

and the resource. It has no few Mhangamulia-liars is intrinsic and imagration the mantime domain of lightin Eco. and our alled Aviol Ti. Aul Ava, Nghil Toma, Nghil Munuga and other revior I sarraki. Ngati Rengatahi, Ngati Kosta. Ngati Rarus and Ngati Rawas, Wo elso acknowledge the interests of Ngati Kahungunu.

and Rangitane o Wairarapa cast of Te Tuara Tapu o Te Rangihacata (Romutaka and Tararua rangos).

Tararus rangeal.

Ngiat I ice authority, connection and values with I e Whanpuntuke-I ara are constantly challenged however, it is the vision of I le Brangue o load languister like up of a languister like up of languister like up of languister like up of languister languiste

Remed therapie and violetes. The Night Toe Rengative Troat y Sottlement with the Ocean adenovative deep the logitimary of the customery rights and inverses of Night Toe in the state of To Verhausa or Te Verhanganut a lara. In Etwanspa or loss languistra will work in pannessings with Cooron authorities and tell pannessing with Cooron authorities and tell pannessing with Cooron authorities and tell pannessing violet and tell pannessing with Cooron authorities and tell pannessing advanced to the Wisanganuties Tara.

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He Kupu Whakataki

Tēnei ka tukuna atu ngā mihi kia koutou katoa.

Te Mahere Wai is a unique indigenous body of work informed from a collaboration and partnership between Taranaki Whanui and Ngati Toa Rangatira.

and partnership between Taranaki Whanul and Ngati Toa Rangaitra.

50th Turanaki Whatu and Ngati Toa Rangaitra.

1. Cerestionelhe copuna (grandshiki/spanishe thistory of both is vitibel grout) within 16 whatus on 16 wingerparts a feet in grind grandshiki/spanishe to be the seaso tastel (grandshiki grandshiki/spanishe to be the seaso the sea

- Shifting our relationship from "managing water" to "neeling water", in order to recognize our whekepape (genealogy) relationship and the respect that water deserves in our lives.

respect that water deserves in our lives. In overlooping in Mehhere Well is Edihai in islab met on a veedly besis participated in wider Whatta Johnmiere lang conditionment meetings and workshops, and a windred and leaf numerous engagements with informationate distallar light participations, in white every sold training langualities, in white every sold training langualities, in white every sold training langualities, and sold information to white every sold in the every sold

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Investedage of guaratimatery and practices. In Adhere Web as form Wherus Wholiation Intellementation in Expansion for the Whongsau-terior and the Web and partnership response specifically aimed a consulting the voices of local Web and partnership response specifically aimed a consulting the voices of local Web and the Web and Whenus and Right Too Bringstite – as alongside the voices of local Web and the communities. To Mathers Web is a companion to the communities. To Mathers Web is a companion to the communities. The Mathers Web is a companion to the communities. The Mathers Web is a configuration to the communities. The Mathers Web is a configuration to the communities of the communities the communities of the communit

legislatiss and regulatory authority for change-However, a chieving implementation will require collaboration between the Grown, Grant Wellington Regional Council (GWRG), Territorial Authorities and Mana Whonus, This will mean this sharing of power and resources entabling stronger Te Triti o Watangi partnesships.

stronger Te Titulio Waterupt partnerships. In Kathal Lisbo New level using colorate from their conjust that their concentration area high and that counting man to their forthwater system of this Whataus is a printin that cannot be achieved ablen. We are strongly of the view that GWRC will need to act quickly to build as organisation to applifying and confidence to fabilitis. Intil obligations responsibilities and commitments starting with but when the relationships with livil and Maort.

Implementation Programme.

Formed in early 2000. To Edit Liston is made, of the Tramske Withershipsocreportations Sern Return and Kong Niceland London, and Edit Liston and Kong and Edit Liston Returns and Kong Niceland Liston and Killed Reprints. The open years supported by a project learned Hight the opposition and old-learn Management and Edit Liston and Congramment Williams Mills Grace, Monthe Love, Philip Edition, Peter Mign. 1st Lives, Gastriel Tupou, Klota Moore, Emily Osborne and others.











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12 Tō Mātou Mana Whenua Our Mana Whenua Authority

within Tie Whellium of Tei Whinghorius-Taba. These Settlem et Acts place a codified market on other end environment when Warra Whous floring cognition delet shift group the Acts and the settlement of the settlement produced by the settlement of t

18 Te Mähere Wal

TO Manco Wall particle path of innovation— a tupuna fancatori pathway that innovation— a tupuna fancatori pathway that innovation in our colective behaviour that naive within this taldwartche we may be closer to a whalkapapa-based (genea acgy-based) relationship with our waters.

To Mainer Wallese us to conset the relationship we have with our environment through the articulation of our ways of boring which are sounded from our Varies When us (wire ecognised as having mana over a range of its letter of the Whethse of To Whangarul a Tara.

1 Two dialect variants,

To Menore destablishes a To Oranga Wall measurement framework that accessed Mana Whenus confliction into mainthment (this toract) of university and enablish the appreciation of our leatings.



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² Whakarāpopototanga Horo

To Mahere War Is the guiding framework developed by Te Kähul Talso and reflects our Vens Whenus (Writ recognised as having mane over a region) perspective and direction in gying effect to the Mational Folky Statement for Freshwater Management 2020 (NPSFM 2020) within Te Whaitus o Te Whanganuka-Tara.

This document establishes the mana whakahaers Gutherty to manage? of our win the management of our firsh and coastal waters for Whattua Te Whanganuta-Tara.

It is our intention that the issues raised in to Malkino Wallano addressed through the application of our leathsitatings (duty of care as guardianal and associated thiangs (practices) and mataurangs a livi (low knowledge).

Whangaru is Tan. The includes setting down a Tatanisk Whangaru is Tan. The includes setting down a Tatanisk Whanu and light Too Bangatio approach to giving ellect in Ta Mann a to Wat, which applies in healtach yell HERPM 2000 of kiguson, adopse an inequited approach that little life in more union to seek and describes how mastaurings Islamad Whanu is not light in the setting and the setting and describes in the setting and the

Te Mahere Wai: Planning and decision-making process

- 1. Nga take Summarising key water seues held by Mana Whenua for the whatua.
- Ngā wai whakatupuranga Identiliying and describing long term visions for the whaitua from a Mana Whenua perspective.
- Te Mana o te Wal. Anticularing statements about what Te Mana o te Wallcoks like in Te Whanganulia-Tara.
- Wahi Wai Maori idontifying eight spatial areas called Preshwater Management Units for FMUst for the region.
- Uaratanga Identifying Mana Whenua freshwater values (uaratanga) that apply to an FMU or port of an FMU in the region.
- Huanga Serring environmental outcomes through for each unratanga for each of the eight FMILs.
 - 6.1. Tikanga Identifying attributes (tikanga) for each uaratanga (value/values)
 - Te Oranga Wai. Setting target attribute states to support the achievement of the environmental outcomes thriango).
- 6.3. Addressing on vironmental flows and levels to support water quantity environment outcomes.

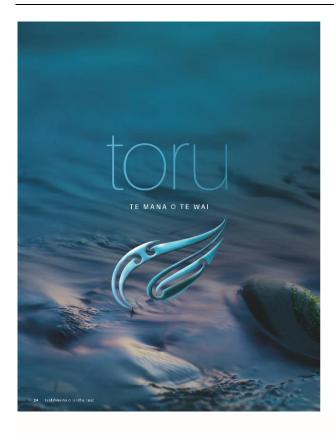
Kairite te wai nei ki wai Kiminia 'The water here is like that of Kimihia'

Taylor records that, when Turt settled at Parex, he had a spring that was said to be as good as the one named Kimihia in Havaiki. No 1118, P 183, Nga Popoha a Nga Tupuna vUW Press 2001.

Te Mehara Wat : Ta Kanul Tata: 23

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Te Mana o te Wai

Te Mana o te Wai ensures that our Mana Whenua (twi recognised as having mana over a region) responsibilities and interests are voiced, heard and acted upon.

hapun interfestivate repea.

When Mana Whenue sie alfood a space within the governance and management of our wates a regional council of the provide the necessary recounting menering that any progress medio is testly feeded due to the foot shading. This assume out my only that regional councils have had over the governance.

and management of water undermines rengediatange and has played a significant part in why our future generations will inherit a significantly degraced freshwater on wite nment

sign in-antify-dog according of water or with a most. Mann silf-man of enter and outrappe of the actus. can a Athering I fel Mann or a Wat recurses a miss of menting of publication and partnership with Mann of the publication and publication of the width Mann with a most publication of the publication. For the reason, have Wiren an easi her bladderal Follow Statement for Festivager Managament, 2000 INFSTMEQCOS et as "gene bengot" in however only Mikhard paradictions and lead in the govern area and managament of feed-water looking and from the follow.

The NPSFM 2002 requires the manugement of these wasner through a farm-work that gives effect to the fundamental concept of 15 Mana or as Wal. To Mahere Wal sign expression of the Mana or 16 Wal for Taranaki Whânul and Ngôt Toa Rangal sa.

2 This is an expression of Te Mana o Te Wal. However, it is not the only expression.

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31 He Whakapuaki Kaupapahere ā-Motu

National Policy Statement for Freshwater Management

National Policy Statement for Freshwa truder the Nist Moot regional countries trade into actively Involve impairs when a Many Memilia in the speciation of freshware management, which include decision midding processes. This clinicative from perial government is imisurable. The change in appreciation his supported by a set of legal requienters that direct regional councels to actively modely Many Whomas in the development of their regional start, the free proposal failure florecursor from 19499.

Proposed Natural Resources Plan IPMPP.
This is a significant shift from regional council's earlier engagement with whatta in the past.
I or example, for the Le Avierua o Portius and the fibarriers and whatta, the council was only required to reflect traggets whereau values and interests in freshwater management and

- Mana whakahaere: the power, suthority and obligations of tangata whenua to make decisions that maintain, protect, and sustain the health and well boung of, and their relationship with, freshwater.
- Manaakitanga: the process by which tangata whenus show respect, generosity, and care for freshwater and for others.
- Governance: the responsibility of those with authority for making doctaions about freshwater to do so in a way that prioritises, the health and well-being of freshwater now and into the future.
- Care and respect: the responsibility of all. New Zealanders to care for freshwater in providing for the health of the nation.
- See Policy 1 and clause 3.2(2) of the NPSEM 2020.
- Clause 1.3(4) of the NESEM 2020

32 Mana whakahaere

Authority to manage

Authority to manage Trainals Whenu and Ngail To Rangatita held Mans Whenu authority ovor To Whanganu a Tasi they are the let ecogened as having mans over the eigen To doth Tase caped and the second to the second second sharing out to Mans Whenu although node earliest by the Mans Whenu although node seathed by the RACA These power sharing looks include such instruments is joint management amangaments mans a note, and trained and delegations of powers and resources, are a very of glying effect or mans which have and Mans o is Wat These are key provisions that

overy regional council must investigate when determining how to involve Mana Whenua in freshwater management.⁹

Inservacion renongement. As such shifter mans or balkelinene (auch ontry to manage) is not a phrase that is generally adopted by Iransel Vihanul and Rigati los Bhagatin – a dose reflect the noted to involve Mana Wihanus en document malang that after measurismou till of lotocol of inservacion, and the resiliancia for the design of the de

Partnered Decision Making with Iwi recognised as having authority

There are varying models adopted by Mana Whenua throughout Acteatos that express decision-making at a partnered (or more) level.

In terms of partnered decision making for the new regional freshwater plan, the Te Kahul taise model is one of a verlay of models that could be adopted by Mana Whenua to ensur partnered decision making. At the very least, partner decision-making models must:

- ensure at least 50% Mana Whenua representation on any decision-making bodies and

b See clause 3.4(3) of the NPSEM 2020.

26 le Mahere Wallone Kahul I Mad Straigentent subject to foreseting and probleting

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33 Te Whakatāhuhutanga o ngā herenga o Te Mana o te Wai Hierarchy of Te Mana o Te Wai obligations







Mahinga Kai - Te Karu Wai Tai o Te-lka-a-Māui Harvesting food in the saltwater eye of the fish of Maui (the Wellington Harbour region)

To Mahore Wall addresses water quelity and quentry requirements of the NPSFM 2020 through the Mana Whenua telationship with mahinga kat.

Mehings ke is a compulsory national value in the NRSFM 2020. The PNRP sasses that the vability of manning kai (Whether the species, the habitation the activity of cultural natives) as accept tead as the Mana Whenua area and cultural celementariant for assessing the mout of mount of To Whanganute Tere were custing and

6 See clause 2.1 of the NPSFM 2020.

quantity. The ability of Mana Whenus to fulfil their role as kaitaki of mahinga kaitand express their menachtnings to others through provision of mahinga kait manufulf (froncured guests arcustomes) events are control constructs to Mana Whonus Identity and wellbeing.

of species and loss of habitation. As well as a finite set of the control of the

our relectorship with vesters and do tellad. Markings is a risk of a velalar that is able to be measured by regional councils of chown agandles. Region a councils roly largely on Markin Winner and respires, this make a largely in order to meet, the requirements of the NPSPM 2000 and to give effects or in Markin or a Wat To consider which are made to all the concepts marking Markin Winner amust to able to access merite which lesions and implement insecuring as a few monitoring than solved and are of the information into aguation.

Information into equilation.

What groups it also a fix form Well Tall or to fix, the salvey seed Tall opening on the last Mear the head of the first of the first whether the head of the first of the first of the first whether the head of the first and the heaft and well-teng of our herbour. We undersomethink heaft and well-teng of our herbour and well-teng of our first of the fi

that they live. We assess their health and that of the water through our mainings last out ustal hereset proctioes. They proceed us a minimal by the vestion and whelespapes (pure oscillar) common they with our sive studies (excreasing view), our vestion, our incomment and the Innovince passed down to us, that trickings our visit and all and a simple procedures and a simple passed down to us, that trickings our visit and a simple passed in summany.

- Mahings kallare the places where we practice our cultural harvest.
- Mahings kel are the taongs species; plants, birds, fish and animals that we provide for as kaittakt.
- Mahinga kal are the activities which we undertake as kall aki.

- Mahinga kat enables us to assess the wellbeing of water and all that it supports; including people.



4 Ngā Take

Ngå Take are the key freehwater issues of Mana Whenua (iwi recognised as having mana over a region) in Te Whanganui-a-Tara. Te Kähul Taiao consider that a completely new framework for freshwater management is required so that GWRC tacklo water degreation Thead on," provide oguly for Mara Whenaua partners and remedy the appalling lack of investment in the region's waterways.

Creater Wellington Regional Councilland
Territorial Authorities have made it clear
that they are under-resourced to maintain
water qualler, his limits their monotoring and
compliance role, and there is no unifying
artradgy to addrass writer quality at a
what is seen.

loss of contamination of species and the loss of hobse. This has had a significant impact on Mana Whenau who have been prevented from exectaing their angipitation gas (during succommy) and manakking a hospitally, generosally and case for chinast. The department of whenauthy discharged the department of whenauthy discharged in the department of whenauthy discharged in the property of the contamination of the department of the department of the contamination of the department of the

Water quality

Water quality is finised to the maintimout difference of these and different and coastal waters. Water quality is impacted by point access of the large and landing and the properties of the properties and the properties and the properties and the properties and the resulting increases in algoli growth, sectionary, diffusion, thesely means, but also growth is active quality through loss of fillution factors, and the quality through loss of fillution factors.

Te Micha estats TeKarulTates 31

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42 Ngā tukunga wai paruparu Wastewater discharges

Protection of the major/incours and the ecological values of additional waterways is a priority for Mana Whenua, Dischargescan impact on the ability of a waterway to undertake its rote in supporting life contained within and around it.

The presence of human waste in fesh and coestal water has undermined the cultural identity of Mana Whenua, by disabling their relationship with their takina disaditional region), and in many instances completely halting outlural presides and the transmission of intergenerational knowledge.

The pervasive presence of human waste in waterbodies across the whaitua is the singula most significant issue for Mana Whenua and

the matter that should be given greatest proofly by Council. To Mathew Main neasures Mans Whenus values for fresh and coasts water. These values are fund amentally different than those used in the neasurement of value than those used in the neasurement of value and the state of the state of the state of the offserence is most clearly seen within the tips (restricted-in ord wellable) control ut laked by Mans Whenus to assess water quality.

mania whilenus crasses was rugusily.

To Mana Whenus, the mere presence of human waste ie; (enything that comes from the body, blood, human as less, hospital and mortuary waste, and sewage) contaminates water and creates a spiritual and cultius link to community.

Where becomes tapu (restricted) for food gathering or outstornary oleansing through confamination by furman waste. Its use can only be estored through the encovat of human waste. This is olearly different from models that show degrees of confamination for specific contamination but are not conclusive.

The impact of wastewater discharges into the coastal environment is both significant and not well understood, and this is particularly true for makinga kai in the receiving marine environment.



43 Ngā tukunga rerenga waipuke

Stormwater discharges

Sommitted careface a large array of contaminants and their presence directly impacts on the outural identity of Mare Whenus. During high rainfall levers, stormwater systems transport rainfall levers, stormwater systems transport raingly outurned otherwater quickly to determine and rives, oussing appol indexesses in water levels that have a detiminant lampat on that page species, fish habitat and bankstability.

44 Ngā tangohanga wai

given effects. The faith II has be are very concerned about the water a location process of regional counnils. These is limited monitoring of conditions of consents, or those, and very lintle enforcement in place for those who breat the risks. Low flows have a direct impact on the mainthnoun manning and the conditions of the condition

Water takes can also have an impact on the hydrology and ecology of local water bodies, and water quality. Low flows limit this passage and habstat increase temperature, and concentrate pathogens that harm mahinga kai spe

Te kâ hui Taiso a re parto ula riy concerned about o cose connections between sewage and stormate re-inchi delver sewage denotity to waterways and goundwater. The absorption of commander into uselevater prope also noutne

Te kis hu Taiso as a boconcerned about the cumulative effects of current permitted takes on smaller stiwarts. Small stives me are persousity vitherable during to Movand even minor changes to conditions or use can have significant effocts on makings jail. Small streams are not monitored and low-flow setting are based on national modeled data and as eitherefore not specific to the individual stream.

theation not specific to the individual stream. Inefficient use of water can have deproportionate impact on the smaller streams, including permitted takes for farms and feetily books. Dismarked flow and increase in water temperature can promote nuisance algal growth and this directly impacts on Mana Whenus access for sprittual and ceremonial purposes, including the evalability of viai ora (living water) for both (baptism).

Identifying a coeptable limits for our water is therefore essential to maintaining their ecological and outural health, and Mana Whenus have a key part to play in this.

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46 Ngã tangohanga wai tãone

Municipal takes

46 Ngā Waiheke Smaller streams

Takishu Taiso are concerned that small vestaroways and distrins have little protection despite their ecological value and function. First ecodor streams in To-Whenganut e-Tais represent 75% of the Ineal longth of all freshwater codice in the region?

Smelet vestet bodies have a value caproportionate to their size both individually and collecting. This a not recognised in wishing freshweter merapenent practice. Taken as a group they are a significant proportion of total vester to une in the continued under the continued to the control protocol of the vester to une in the continued under eigenstein the main step and and breading steers that main steers in glandown eventual mains. In establish and breading steers that main seems the phase eventual mains and protocol of the steer several semanting sight status use, and often purposes. They have effectively lost their litter by winding main through unben end sub-urban development.



Also Walners Small's worned are inhaed with Upers of Historical columity and start under the manning of the naive generative of beptiere in right with label and start generative of the papears in right with label startail welfar coded, right manning of the start (sharing) and start (sharing) and start (sharing) and start (sharing) and dependent of the start (sharing) and dependent of the start (sharing) and depth in the start (sharing) and depth in the start (sharing) and depth in the start (sharing) and sharing the sharing start (sharing) and sharing start (sharing) and sharing shar

47 Ngā wai huna

Concealed waterbodies

they include applies. In Wellington Dity et Juben streams heve portions that are pixed and have lost their identity and netural form as a result. This has disconnected from Whenu for them their wholkerpix (generacy); relationships with these important stammas as their volusions are no longer visito also Africaneans in their volusions are no longer visito also Africaneans from Those processes have not the effect of concelling rather than criminaling that man as a reportant vertainbrokes and security water for the Whangmarks Tana Recognition of these water blockes is explicitly as which was obtained to the criminaline of the water but the criminaline of the water blockes and security water for the water blockes as explicitly as which was also communities to recommend with their board vester way better to the December of the blocker was the block of the blocker was better their blocker.

generation to the next.

The small cetuation of these streams and the shellhelp beds adjacent to them are particularly important for makings kelland are the places most affected by the cumulative effects of non-point source discherge of souldment, path ogen and nutrions throughout the catchment.

Intrusion brough; about by ovar-abstraction, and to answer they retain their well materi. Charthware supply values and core according function.

In addition, bettly designed or managed wells, piped streams and deverts cose a problem for the movement of native fish species throughout estathment by blooking updates mand cownstream passage. The vortication and intentiting of the passage structures to existing culverts, dams and were is required.

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Ngå ritenga kaupare waipuke Flood protection practices

Mare Whenus druggle of have a pace of the able when coaling with the current food protection transactive which will as heavily on the traction of the protection are present approaches to food it as. The vallation on an engineering mode manigha as the far howledge and work to food when whenus and their motagement of away of the lay food protection or admitted as the interest of a soft ways of the lay food protection and interest in a soft will be a soft of the soft of th

The development and maintenance of flood protection infrastructure affects maur/mourithrough loss of natural morphology (share) and flow patterns of waterhoods. The

channelisation of riversiand streams for flood protection directly diminishes Te Manaic te Wal constraining the ability of the awaito express its property the curb form and change or pro-

centrify through form and character.

To Aver Ratering fand Weinsummen have both been agrifficently modified over the years and the roadig independent of the season of the roadig independent of the season of the season of secretifier to occur. By centring and the season of secretifier to occur. By centring and creating part of season of secretifier to occur. By centring and density and areas for customary or recentional use, and areas for customary or recentional use, and areas for customary or recentional use of the season occur. By continuous experient the city the fives and cetterate the custom signature and end season for season continuous as season in the seatomart from food protection work to creatly satisfact for the release of continuous season in the seatomart from food protection work to creatly satisfact for the release of continuous season in the seatomart from food protection work to creatly satisfact for the release of continuous season in the seatomart from food protection work to creatly satisfact for the release of continuous season in the seatomart from food protection work to creatly satisfact for the release of the seatomart from food protection work to creatly satisfact for the release of the continuous season in the seatomart from food protection work to creatly satisfact for the release of the continuous season in the seatomart from food protection work to creatly satisfact for the release of the continuous season in the seatomart from food protection work to continuous season that seatomart from the continuous season in the seatomart from the continuous season and the seatomart from the con

To Kähur Talac expect that regional council, will undertake best practice in all future rive management including in particular those length of rivers that they own.



Ngā mātāpuna me te pānga o te whanaketanga me ngā ngahere nā te tangata i whakatō

Headwaters and impacts of development and plantation forestry

Headwaters and impacts of develops to Martinus these bestes are energised as the sculped deal or all statistic water. They are calcularly modars for Martinus Measure of their high-restant goodly, breakfoot the sound or particular the statistic statistic sound or particular the statistic statistic statistic particular the statistic statistic statistic particular the statistic statistic statistic particular their complete and other clother because they are move leay to be were ten the statistic statistic statistic statistic particular their control days of the service and present their cloth days not reasonably particular their cloth of the statistic and their mind for each environment and their mind for each environment and their mind for each environment.

In addition, as reported by regional bounds, there is filtering although exessibility portion and exound planta of ficestry. The affects of olear-field creatly and the sign ficent impact of each remaind and eherned application on these weeks expose his overtice and them are set of the extension periods of additional and contamination.

Te Matapure are also affected by poorly cestigned Greenfield housing developments. To Kahlui Talao consider that piping infill, or reclemation of matapure (headwaters) should be avoided.

Te Mahere vya o Te kāhu Talac

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le Mahere Wallo Te kābui Tarac



⁵ He Wai mo ngā Whakatupuranga

WATER FOR GENERATIONS TO COME

In the fam in grap Whelshup surgues are the mosmocal Bring surmivation of to Kinsul Taisonocal Bring surmivation of to Kinsul Taisonocal Bring surmivation of the Kinsul Taisonocal Bring surmivation of the program of

These long-term visions set goals that are ambitious, reasonable and time-bound, and outline the wishes of Mana Whenua.

for waterbodies and how they lore see the catchment could look like in the future. It is our expectation that GWRO will assess whether those memore dispitations at boting mot, and that He Yeal mô ngà Whakatupuianga form objectives in the Regional Policy Statement.

Le (Gihu) I talso have set out a series of vision statements for waterbodies and eachments in Te Whanganua Tars for the short, modum and long-term. These have been isken investigation out. Te Oranga Wai model for assessment of change required and the subbleshment of timelraness for implementation.

- 8 See clause 3.3(3) of the NPSFM 2020.
- 9 . See clause 3.3 long term visiosn for freshwater in NPSFM 2020.

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Te Mehara wat a Ta Kanut Teta: 39

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Pēpē me ngā Tamariki (Short term 0 - 10 years)

Babies and Children (Short term 0 - 10 years)

- All freshweter decision-making recognises and treats waterbodies as having their own intrinsic values and identity including spiritual, dimensions immediately.
- Mane Whenus have safe access to wall ore sites and can project the cultural safety of the wall within 10 years.
- Pépé (beby/beb es) can be bept sed in the Te Awa Karangti Crongorongo and Wa nulomata forested batchments in the short term.
- Tameriki (childchilden) can selely ecoorpany whites a (sanily group) in activities the connect them with their verse; like wells ame (outlaged cenced; both late if their selection childchilden) can be considered and control excession of in Tie Avers (silenta, Welmulamete and Oronge ongo within 10 years.
- Temeriki can safely swim at all traditional swimming pieces like the Double Bridges, Kartoke, Macribank, Tatta Rock, Pakuratah Forks and the Akratawa and Pakuratah Awa wilhin 10 years.
- Greater Wellington Regional council delegate cocision making power to Mana Who nua for identified atos in the short term.

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Rangatahi me ngā Mātua/Pakeke (Medium Term 10 - 30 years)

Children and Parents (Medium Term 10 - 30 years)

- All waterbodies in Te Whangenuile-Tara ere suitable for primary contact/kaulkau (awmming) by 2041.
- Notive fish have access to move feely up and down the entire length of the catchment to complete their life cycle within 20 years.

- Tameriki (childlenlidren) support m

 tukanna end wh

 end protect axes (tikens) using tools like iwi

 kuitiska plans (tikens) using tools like iwi

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 end tools
- Falkike (adults) are active in paid mans whakahaare roles overseeing monitoring, management, and improvement of well ors in 20 years.

Ngā Pakeke me ngā Kaumātua (Long-term 30+ years) Adults and Elders (Long-term 30+ years)

- All estuarine areas are healthy and functioning within 100 years.
- The anua (natural character) of the Korokora, Kaixharawhara, To Awa Karang, Wa nulomata, and Crongotor go Awa and Parangarahu Lakes (Parangarah Lakes a also an apoa pitatle spelling ahamativa) is fully reskited in the long-term.
- ACUITS BIND EXHAUST LIGHT TO THE ACT OF THE
 - Taicht (adolescents/young adults) can access water in Te Whanganui-e-Tara for whatarita (prepering for an important ac-event) and whakawatea (cleansing).
 - Mana Whenus are the lead agency and regulator for protection and restoration of wall crain 20 to 50 years' time.

⁶He Whakapuaki mō Te Mana o te Wai TE MANA O TE WAI STATEMENTS Le Kahul Taiso have drafted a number of statements that outline a local approach on how to give effect to Te Mana o te Wall in Te Whangarulia-Tais. ³² Those statements are important and inform other parts of Te Mahore Wall in Te Whangarulia-Taia the care of freshwaler gloses effect to Te Mana o te Wall when. Funal content subject to formatting and publishing

- Mena Who use to eble to implement and practice traditional rangetilatenge management techniques for example, rahul to protect the mana and maun/mount of water.
- Mena Whenua are resourced to be active and have an integral presence on Ngå Mangal. Walong (ambassadors for water) in whatitua monitoting and management. Te Kahul Tatao guidanse on how to imperient Ngå Mangal. Walong is stitsched as Appencix 3.
- Mena Whenus have a visible presence in the management of mahings last and riperten and coastal areas through nohoangs (camp) and other outroal practices.
- The mention and file supporting capecity of vaccin mile of Warriagen Lei Tais orables the customers practiced of West Whomas acurs as to it Beptient, who are without a curs as to it Beptient, who are to for period price in operation should provide a state of the period of the perio
- 7. The well being and life of the wal-water
- e.p. invay.
 8. The mana (dignity and esteem) of water as a source of life is restored and this includes regerring and respecting a Newtorbooke (including skul washook), reper (vest and), and estudines as living entities, and naturalising naming, mapping, and protecting each.

- Mana Whenus are able to exceede katakalangs and lead feeth-water and coastifurangement decision making.
 Mana Whenus are value to implement and practice that distinating registrating intergenent techniques for exemple, refusit to protect the above that the protect that the protect that the protect the above that the protect that the prote

 - Freshwater bodies are able to express their character through a range of flows over the seasons.

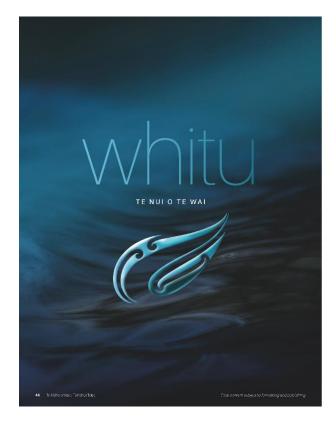
 - 14. Mahinga kai species are of a size and abundance to be sustainably harvested.
 - 15. Areas that are not currently able to be harve (for example; coestal discharge areas and others) are able to be harvested by 2041.
 - chinety are able to be nan-vested by VLM 1.

 16. Te Awa Kairangi Waiwhetti, Korokoro,
 Kaiwhisswhara, the Wairudomater reer and
 to egu faro are declared To Awa Tupuk (an
 indivisible and living whele, incorporating all
 tephysical engineties objected learnings and
 given legal personhood in legislation.
 - 17. Te Ava Kakangi Walmulomata and Orongorongo are publisky addrowied ged for the part they play in supporting furnish health through their contribution to the municipal, water supply, Including for Portina City.

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Me Heke Ki Põneke



7 Te Nui o te Wai.

The NPSFM 2020 has changed the way that water quantity is addressed. The previous policy only referred to minimum flows and allocation limits, but this has now been broadened to include environmental flows and levels and variability of flows. ¹¹ These flows and levels could include cultural flows that must be accounted for when setting allocation limits.

The new hisenthy of obligations also changes the say that soler quantity desistent-mixing is defined. The training sensitive mixing is defined from the training sensitive mixing in the training sensitive mixing is defined from the training sensitive mixing in the training sensitive mixing is defined as the sensitive from the training sensitive mixing is defined as the sensitive mixing sensitive mixing is defined as the sensitive mixing sensitive mixing is defined as the sensitive mixing sensitive mixing is designed as the sensitive mixing sensitive mixing is defined as the sensitive mixing sensitive mixing is designed as the sensitive mixing sensitive mi

11 Clause 3.6 of the NPSFM 2020.

Te Micheleyesis TeKarci Tates 45

72 Te Mauri Ora o te Wal (Taumata Tuatahi)

The Life force of the Water (Level One)

Water is provided to the awa (nver) first to support its maun/mount.

support temeur/mout. When is the lifebook of Physiological with the element of earth, and it is essential that flows the period of the period

To Kähul Taleo recommend that a working group is astablished to investigate ways to reduce takes and increase flows that include:

- Community education to "reduce, reuse and recycle" water;
- Water metering and water charges,
- Tax rebates as an incentive for efficient water use,

- f. Fluing network leaks
- g. Network upgrades at water treatment plants, and
- h. Hervesting weter at high flow,

7.3 Whakapapa (Taumata Tuarua)

Traditional place of water in creation and human life (Level Two)

Water is available to support essential human e. Quality dinking water to support health health needs: including for mere and papakaings,

hearth needs.

Turning trace as a the vecord explainment in the vierance of college for mass and papakings.

Water to maintain and in order for trobe in pileon there must be a sufficient amount of the pileon there must be a sufficient amount of the vector reliable to support the section in code of human beings. This includes the physical hearth of humans en one suit cells not extremally generation and all human beings includes.

Again, without the aquiest and other things and the mass under a document the quint and other reliable to make the paraset or large time of the mass under a document to quint and other than the mass under a document with all papare (grandlogg) and report the time of the paper of the paraset o

Ngā Mahi a ngā Tūpuna (Taumata Tuatoru)

Traditional practices of the ancestors (Level Three)

All other uses that do not impact on the maun/ mount of the water quality.

Industrial transport of the transport of transport of the transport of the transport of the transport of transport of the transport of the transport of the transport of transport of the transport of the transport of the transport of transport of the transport of the transport of the transport of transport of the transport of the transport of the transport of transport of the transport of the transport of transport of the transport of the transport of transport of the transport of transport of

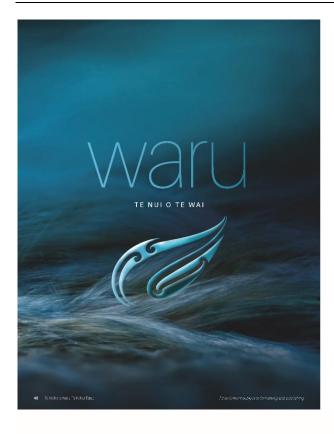
of approaches that include a more critium on any further water takes, a sinking lid approach and prohibiting the transfer of allocated water.

Te Kähui Talao have not had the opportunity to etticulate what cultural flows for the ceroment might look like. This has been picked up as a recommendation in the section below.



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8 Ngā Taunaki Katoa

Nga Taunaki are the recommendations made by Te Kahui Talao to support Mana Whenua values and environmental outcomes for nga awa in Te Whanganui-a-Tara.

Nga Motika me nga Panga

- The rights and interests of Taranaki Whānui and Ngáti Toa Rangatira in freshwater are acknowledged by GWHC.
- Ngā Whanaketanga mō ngā wā kei mua mā ngā huringa ki te mahere
- Future developments through plan changes
- Mans Whenus are resourced to help complete the NOF process act out in section 3.7 of the NEFAM 2000.

 A find that region is a Tain that includes:

 28. articulating limits, management methods and introducing Million mediuming almost mentioning measures.

 28. articulating limits, management methods and introducing Million Technologies.

 28. articulating limits, management methods and introducing medium and introducing measures.

 29. articulating limits, management methods and introducing measures.

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- | NSE: processed our in socions are a superior recovered for Confidence of the Confi
- 2.2. identifying baseline states for attributes,
- 2.4. setting environmental flows, levels and limits for the major rivers, small streams and aquifers.

- domitying baseline states for attributes.
 design additional age) an inbute states for the different With Wall of FOLIB, and the states for the different With Wall of FOLIB, and the states for the different With Wall of FOLIB, and the states for the states of the states of

83 Wai ora

Water which sustains life

Identify and restore wall orain all freshwater and coastal receiving environments in To Whanganut-a-Tara by 2071.

84 Mahinga kai Food gathering places

5. Mans When is a renormated in develop and implement a measurement to make the makings and as a completely within in the MSFM 2020's 2028. The harmonic wide the central to GPM community and provide only the central to GPM community and the central transversity of the MSFM company that the CPM community of the central transversity of the central transversity of the CPM community o

Streams with a Spiritual Nature

- To Karokoro oto Mane (Kookoro Steam), To Manga o Kashbarsehare (including To Nabanga and Kormako Streams) and Wanusomata are prioritised for protection and resociation.
- The Korokoro and Kalwharawhara Streams, and the entire length of the Wainulomata Awa are designated as outstanding waterbodies in Schedule A: Crustranding Water Bodies of the PNRP.
- 10. Te Awa Kairangi, Akai árawa, Pákuratáni, Whakarikei, Wainuliomata, Te Awa o Orongorongo and the Parangarehu Lakes are classified as areas that have outstanding natural character in the PNRP.

- Dovelop a war ora measure that identifies the baseline state of war ora from the headwaters (mit/apuna) through to takurat meana (the sea).
- and informing transversions manage, no.

 The mainstream Maillaus implementation frogramme rides on 16 Mahors Well and orgoing Mans Whense implementation to provide the assessment of computionsy maintings last values required in the IRSEM 2001, it is essemmented that WRMS implement all maintings ican recommendationate in give effect or named policy disclaimsy.
- Greater Wellington Regional Council work in partnership with Mana Whenus, Lower Hutt City
 Council, Kwi Rail and To Waka Kotahitor orinstator mai uta ki na únland i o seal podestran access between Honinan Te Pun reserve and Kotokoto Stream.

aa Ko te Mana whenua hei Kaiwhakatau

Mana Whenua as decision-makers

- Mano Wherius are resourced to implement To Maharo
 Was and are solder and have an integral presence
 asking latering Window connections or existed
 in vibrius more companied on the control of their
 institution origin.

 White William to the William of Maharo
 Maharo William or Maharo Wherius
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 Maharo William or Maharo
- 14. Greater Wellington Regions! Council enter into a partneod management agreement with Nama Whanus or thin they are actively reviseded in all feethware management decision making processes in To Whangarus or Tim. The include griving effect to le Maria or the Wai stat local level and developing. On monotoring and implementing the Whatus I o Whangarui is Tere WIP.
- Creater Wellington Regional Council resources twit management plans and joint management agreements under section 36B of the RMA where appropriate. 2
- «p.Knupriere."

 16. Granter Wellington Regional Courcil delegates its powers under exciton 33 of the BMA in Mans Whorus (where agroed) to make decisions around institute management that includes double not familie of incorrectioning of way, and anticipement of assures consent conflictions.

Water quality

- 22. Activities affecting varier quality will ensure that the varier quality standards and the PRIES or the Alband attribute state in the IMPSI M 2029, whatever is more stringent are activities.

 24. All event-bodies and versions in 16 Whanganui e-Tara have planted riparian margins.

 26. The steep rural land within the Southwest Coast Warn IMPSI above in M. M. in criter of this like a retire freeze.
- Creater Wellington Regional Council will prioritise removing the discharge of human effluent and wasse to freshwater and coastal waterbodies.

- Greater Wellington Regional Council and Mana Whenus agree the rating resource to be allocated and managed by Mana Whenua for the management of Nga Awa Tupus within To Whanganui a Tara.
- Geaver Wellington Regional Council supports the establishment of and provides operational funding for a Mana Whenua kaitiski monitoring and management programme like liga Mangai Walosa (ambassadors for evator).
- 20. Ceaser Willington Regional Council will support the implementation of Te Mahare Walland the Walland Implementation Programme through the ostabilismost of insteadings Maior exports within the organisation.
- 21. Mans Whorus are resourced to undertake a soviewed traditional Māoti-names across. Te Whanganui-a-Tara water bodies in order to promote their conect usage and element and element possible, restore traditional names that have been lost.

- The steep rural land within the Southwest Coast Wahi Wai Maori (EMU) is retired to allow native forest
- 12 This is important as regional council cannot delegate powers to make decisions on resource or designations or policy statements/plans to twi authorities without a joint management agreense

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Me Heke Ki Põneke

88 Ngā tukunga wai paruparu, wai rerenga waipuke hoki Wastewater and stormwater discharges

- There are no discharges (point source or non-point source) that impact on water quality standards that process.
- Greater Wellington Regional Council along with partners, including Mana Whonua and District Councils, develop a plan to remove all direct versitowater discharges to freshwater within a generation (20 years).
- 28. Greater Wellington Regional Council immediately:
- 28.1, reviews all consented direct point discharges to freshwater, particularly the Silverstream discharge to Te Awa Karangi, and discharges to the Kareri and Walszhold Streams.

89 Ngā tukunga takutai moana Coastal discharges

- 33. Greator Wellington Regional Council along with partners, including Mana Whenua and District Councils works to remove all untreated vestewater discharges to fatural mount of the seal, within a generation (20 years).
- 34. Greater Wellington Regional Council will immediately: 34.1. Identify the impacts of wastewater discharges on public health,
 - 34.2, identify the impacts of wastewater discharges on malnings leat customary use, and Mana Whonua atce of significance through viral and faccal colforms liesh resting of talongs species, and
 - 34.3, resource science and miscuranga Milori capacity and capability to ensure that coastal discharges are monitored by Mana Whenua, managed, and remediated.

Kativhamivham, Korokoro, Wainuromata and Flack Creek are piterilised for an audii of cross connections.

- 30. Sanitation systems like septic tanks are audited for a number of parameters including system design, age, structural integrity, soil type and maintenance issues.
- 31. Septic tanks are required to undergo a Warrant of Fitness (WOF) check where an onsite servicing specialist undertakes a regular WOF service and performance check.
- 32. Stormwater is captured and treated and where possible utilised as a resource. Where released to streams, it is released in a manner aligned with natural flow regimes.
- 35. Greater Wellington Regional Council develop a wastewater management innevation programme that includes incentivising alternate waste disposal such as:
 - 35.1. establishing incentivised compost toilet programmes including a raies rebate for these who disconnect their black water,

and Te nui o te wai Water quantity

- Statistics are managed in a very this allows all roots and suscess to be healthy and bounding. Itsural few annihility is presented (org) periode of loss flow assertiods and the route in movement of sealer and sealers are could not be routed from the continuum flow and stroked.

 All the constrainment loss of 100% of MALL is to be
- Groeter Wellington Regional Council and Mana Whonus catablishes a docision making framework for identifying environmental flows and levels, culti-flows and flow variability or all water bodies in To Whonganuse-Tam by 2024.
- account ratios.

 Q. Connier Wellington Regional Courrell and Mans Wheman are received or recontier and collect data that will inform system allocation and the senting of limits to achieve the Mann one Walfor every waterbody in 16 Whangaria a line by 2024. The initiate must be expressed as rules in the PHIP and will need to provide for one-formers all leves, to books and vastability of llows and must clearly affective.
- 39, 1, the amount of water that can be taken,
- 39.2 the extent of flow variability,
- 38.4. life cycle needs, particularly for native disdromacus fish species and their need for connectivity between the sea and land (and niverbod to banks when spawning during high
- 39.5 total volume and total rate and 39,6, coase and restrict limits.

- The new minimumflow of 100% of MALE is to b implemented for small streams in the upcoming regional plan change and applied when existing consents are reviewed or new applications are received.
- The minimum flow levels for Te Awa Kairang) are lifted to achieve 80% of MATE by 2050.
- All existing water take consents are reviewed to ensure the new limits are applied to existing consents.
- 46. Place minimum flow limits on the 25 or so consented takes in Te Awa Kairangi that have no minimum flow and monitor and meier each.
- All water takes in the region are metered, including takes below 5L/s.
- 47. All consented takes have electronic meters by 2027.
- 48. The permitted take rule in the PNRP is removed so that takes above those allowed in section 14(3)(b) of the RMA will require resource consent.
- Greater Wellington Regional Council works with Mana Whenua to clarify the meaning of freasonable domestic usef and "stock drinking water" takes outlined in the PMA.
- 50. All small streams are monitored for flow.

- 151. Te Aver Kelleng Crongorongo and Wainulomara are publishy actinowiedged for supplying ell the obeble weter utilised by the communities of 7 Averse or Poinca Whatta. The is 12% of all weter taben from diplining and is wains.

- 55. Apply a "sinking lid" approach to clawback ellocation whereby lapsed concents have their apportioned take returned to the awa on livi as a right of first refusal.
- these rows.

 57. Connects water supply is prioritised over-commercial seasons of the NPSEM 2000 riterarchy of obligations.
- 53. There is a rish ultimore torium on all future water takes reducing the limit to existing consented amounts, and deficiently to reduce their water risks.
- 54. The transfer of water consents and takes is prohibited. 59. Commercial takes reduce and pease during times of tow flow.

Te tiaki i te awa katoa i raro i Te Mahere Wai Te Mahere Wai holistic river care

- 61. Greater Wellington Council works with Mane Whenue to review the design channel buffer zones and optimum bed levels in the relevent floooplein management piers for Te Awa Karengi and Wair upmate Awe.
- 63. Regional Council resource managed-retreet expert se in each level of decision-making.
- 64. The existing global flood protection consent is reviewed so that if gives effect to Te Mana o te Wall by putting the needs of the over first.



812 Åku Waiheke Smaller streams

- 65. Small streams are the "forgotten streams" in rural and urben areas that are extensive, steep, and very you need by the steep streams are streams are streams are small they are vulnerable to stock the streams are small they are vulnerable to scoces.
- 66. Regional Council will work with Mana Whenue to:
- 86.1, exclude outle and horses through farm plan
- 66.2. establish environmental flows and limits for aku walhake (small streams),
- 56.3, determine the health of mahinga kai species. 66.4. Investigate unconsented takes, and
- 66.5, require resource consents for any new domestic take where the impact cannot be assessed.
- 67. Marginal land on the southwest coast is retired to protect skul walness Isma I streams) and te matepuna and the receiving coastal environment.

- 68. Cattle are excluded from all small streem catchments in the southwest coest within five years.
- **69.** Faming cattle in vulnerable catchments is not a permitted activity in the PNHP.
- ***Consider Wellington Regional Council works with Mana Whants to name all also we hake (small streams) and nga well huns (concased wells to that are not named or howe englicited names, with traditional Mitori names.
- Greater Wellington Regional Council works with Mana Whomus to don't yand map aku wellneke (small streams) and nga wall huna (concealed waters).
- 72. Creater Weilington Begional Council works with Mana Wherius to daylightings well-unis (concealed waters) where appropriate.
- 73. The ecological and cultural values of rige wal huns (conceeled waters) are given the same level of protection as natural steams and waterways.
- 74. Culverts, weirs and darns must allow for native fish migration, but block trout and past fish access to uninveded areas.

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le Mahere Wallo Te Kihui Talac 66

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813 Te tiaki i te mătăpuna kei kino i ngă păngă o te whanaketanga me ngâ ngahere nă te tangata i whakatô

76.8. Incorporate promote and incentivise selective felling.

Protection of te mătăpuna (headwaters) from the impacts of development and plantation forestry

- 76. Is matapuna theadwaters) are revered, protected, and instanced as the ultimate sources of maintifrount for treatwents. 476.8. Incorporate promote and incomitists
- 78. All plannarion foreing neur is matalgamo theadwarend must have harvest plans in place by 2026 that:

 (6.7. pormote the regeneration of native vegetation in the headwares, and

- The headwaters, and the headwaters and 268, are monitored to guitarly for compliance by Mana Whenus values and environmental uncorrect in Te Whongamule-Tars, 201 outcomes in Te Whanganula-Tara,
 76.3, most best practice menagement equipments, including the use of riperan buffers,

 and that is currently in use for plantation foester,
- including the use of riperian buffers.

 78. There is no harvesting of the existing pline plantation forestry in the Korokoro With Wall Macri IFMUI.

814 Ngā mātāwainuku Aquifers

- 78. Creater Wellington Regional Council and Mana Whenes work logather to mention the ecological function of te-Are Katanaj soutlies using infraturage Molar browledge and the monitoring of stygordana.
- 815 Ngā momo e kīa nei he taonga Taonga species
- 81. On the southwest coast seabird tacings species such as korea/penguins and titi/muttenbirds are monitored, including for abundance and size to measure ecosystem health.

8.16 Nga Wāhi Hira Sites of significance

- 82. Greater Wollington Regional Council will share decision making with Mana Whenius so that they are actively involved in determining whether a resource consent application for an activity reservo on Nama Whenius sites of significance is more than minor.
- 8.17 Ngã roto o Parangarehu Parancarehu Lakes
- 84. Ropu (group) Taki Mona Whenus and their tet boards have the anagarisation part of setting profities and visions for the lakes.

 89. Pest management is addressed to accelerate the improvement and residuation of the lakes.
- have the angulatearque for sering promise and visitors for the blake.

 85. The current monitoring programme for the lision is capacided and resourced so that it includes a colonitying uniforce and be solved is solved resource and other whomas an extraormental extraorment of Mann Whomas envisionmental extraorment of Mann Whomas envisionment of Mann Whomas envisionmental extraorment of Mann Whomas envisionmental extraorment of Mann Whomas envisionment of Mann Wh
- 87. The monitoring of ranga species is increased to support the long terminison of sustainable cultural harvost of runa and other valued species for special eccasions like rangihanga.
- 88. Greater Wellington Regional Council continues to resource investigations to understand the ecological and water quality baseline for the lakes including their connectivity to the see, expected species and underlying soil characteristics by 2036.

- 83. Greater Wellington Regional Council will share decision making with Mana Whenius so that they are actively involved in the restoration and protection of Mana Whenius stees of significance.

- 92. If the haronical material fixes carriquaked suggests connectivity to the sea for Lake Köhangaprighti, then Regional Councilland Mina Whenus will develop and implement after for entertaining the lakest natural ability to breach out to the sea.
- 93. That a public report card/dashboard tool is established for the lakes to clearly communicate the degree of achievement of the targets and outcomes. This could include mateurange attributes.

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819 Ngã Repo

Wetlands

- 95.1, mapped by GWRG
- 86.3. protected by including them in Schedule A3: Wetlands with outstanding indigenous brodiversity values of the PNRF.
- 94. Al-natural vietlands including degraded wartands) within the Yanangmu an Tibur regordess of size zero mapped and protected by CWR.

 95. All vestional resigns editing the state and induced weetlands with outstanding indigenous broad vietnames. All of the Varyana Wellands and Variand Core Turks and State and Variands and Vari
 - 952, restored so that they are chose agains functioning perfort the main westland, and site accesses the day westlands with oursanding indigenerating the performance of the main westlands.

819 Te whakahoki o ngā whakaaetanga o tēnei wā

Recall of existing consents

98. Graver Willington Reportal Council reviews all arising consent conditions that apply look activities within 500 materials within 500 materials of conditions as that they pelled allocation limits and vester quality stempers for the PARP Contribe Folias R^{4,6} and gibe effects to let Meria o a Wellie recursor in the MP2FA 2020.

820 Te whakaea i ō mua hē i te whaitua

Catchment restorative justice

- 60. Gramm Wallington Regional Council adoes a community what hat a tool from the action at warp proposit that counting both as and make them disedly answeads be followed in make the apprect of demapers to rescribe the efficient and and its accounting this proof to demapers to rescribe the efficient and and the sources. Any first area for just propriet production with a spent within the affected what subsectment.

821 Ngā mahi hautū o Te Pane Matua Taiao Greater Wellington Regional Council leadership

101. Grearer Wellington Regional Council, educate best management practice formershighing their land that include fenoning vestervery, sorting menginal land, addressing pine lantation forcety early their hard effect weter out by and moving away from hard origineering options for flood management.

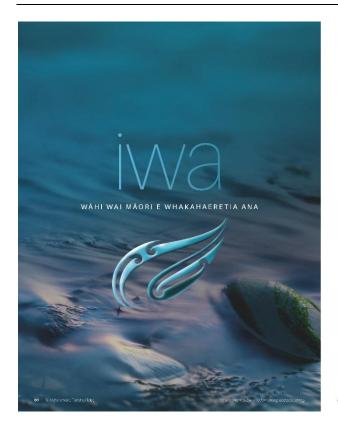


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¹⁵ Rule RSC: Stormwater from a local authority network at plan not fication - controlled activity

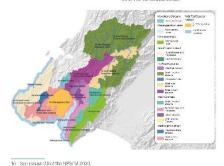
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9 Wāhi Wai Māori e whakahaeretia ana

Te Káhui Talao have identified **eight** Wáhi Wai Mãori (Freshwater Management Units or FMUs) for Te Whanganui-a-Tara. $^{\circ}$

The purpose of these FMAs is all about heading the carbiners diven the open the carbiners divent the open the carbiners divent the divent divent the carbiners divent the divent





Each of these With Wall Man also have a select of sub-carothments and distributions within them. The decision to a more made in FMUs was developed over a runber of month and may statise. The Mattild Table's appropriate sub-out how best to give mans to each was ethody in the wholius.

- Rey considerations included:

 Capturing whole river systems and their commands to the sea. This moved away from an earlier lisability of spraid away that their production to the sea. This moved away from an earlier lisability of spraid away that their production of their seasons of the whole of spraid away their seasons of thei
- Restoring the mene of allowes bake (smell streams) by naming and mapping these "forgotten waterbodies" in each of the spetial areas.

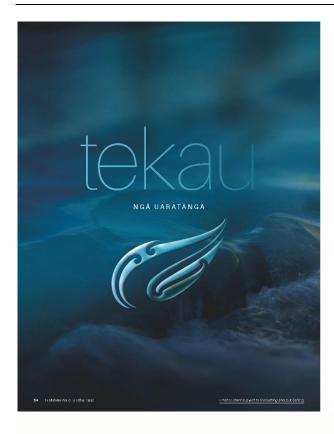
- and South Coast.

 5. Identifying Towarpian" individed inventoral cachiners from the Coast plant and the American Coast plant and the Coast plant and Coast plant a
- Prioritising special sites like the Parangarehu Lakes for immediate improvement.

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10 Ngā Uaratanga

Ngà Uaratanga (value/values) are the Mana Whenua values that Te Kahul Talao have identified in relation to nga awa, nga wail hural concealed waters), and talautai nicuria the seal within Te Whanganui a Tara. Ngà Uaratanga rellect the value and importance of freshwater to Mana Whenua and set standards to applie to in the care and use of feethwater.

Uaratanga	Körero whakamārama	Origins
Ngā awa tipua	This is a description of the river system from te mixing una tiple found to block more refricted by the cool. The describbors here as a whole, to portuit set of physical dimensions, and the unity and connection of Mane Wherus with it.	Agá Tacinga Nista Kava (the treasured inhertance of Khva refers to those waterhodies of most importance to Mana Wharus identified in Schedule B of the PNRP).
Waiora	Is warer utilised for healing. These are scored places where rituals and ceremonies were practiced by Mana Whenua and included rituals and ceremonies.	Te Kahu Talao, Mana Whenus
Wai tapu	Are socrec places where it was and ceremonies were practiced by Mana Whenua.	Te Kāhu Talac, Mana Whenus
Te Matapuna (headwaters)	The headwaters are revered, protected, and restored as the utilinate sources of maun/mount of headwater.	Te Kāhu Taiac, Mana Whenua

17 See clauses 3.7 and 3.9 of the NPSFM 2020.

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Uaratanga	Körero whakamärama	Origins
Aku Watheke (small streams), ngā wai huna (concealed waters and aquifers)	Small toward bottles and regulates are recognised for that individual and assumptions of size the relicating habits individual and source recourse, Withheles are the small streamer than and systematicianally slightfears, respectably in terms of habitat, cultural tase, and connection with the community because of their good water quality and natural characters. Their collective volume is considerable at a catchment scale.	Te Kāhui Talao, Mana Whenua
Tiaki whenua	Means to take care of the land (used to describe the plantation forestry practices in many of the headwaters).	To Kahui Taiao, Mana Whonua
Ahua	Ahua is the natural character of an area, and may include exceptional natural (conic, or aesthetic features. Matters contributing to the natural form and character area biological visual, and physical characteristics valued by a community. Ahua is a matter of national importance in the Resource Management Act.	Te Kahul Talao, Mana Whenua
Ngā Mahi a ngā Tūpuna	The interaction of Manu Whomas with fresh and coastal vaces for Manu Whomas purposes. This includes the cultural and spiritual resistances by with vacer expressed through blank Whenas practices, necessiting and the harvest of notation insistellat for flash witherus purposes. This includes ancestal connections to the land passed down by tupons and whatlappas (genealogy).	Nga Taonga Nui a Kiwa in the PNRP
Te nui o te Wai	This addresses water quantity and means the abundance of vector.	Te Kāhui Talao, Mana Whenua
Te Mana o te Tangata	The Mana of e Tangala is the relationship between the mana of the wat and the mana of the rangala, rethrapt as Mana Whenua and mana whakahaere of their freshwater tronga.	Ngă Taonga Nui a Kiwa In The PNRP
Te Mana Whakahaere o nga awa ki uta ki tai	Holistic river management. Addresses existing flood management additities.	Te Kahui Talao
Wāhi tapu	Those are sacred places that are revered by Mana Whenua for their traditional, spiritual, ritual, and mythological values.	See Schedule C sites of significance in the PNR6
Wāhi tupuna	These are significant ancestral places,	See Schedule Cates of significance in the PNRI
Wāhi maumahera	These are memorial places.	See Schedule C sites of significance in the PNR
Wai Maori	Waterused for ditriking purposes.	Schedule M1 in the PNRP

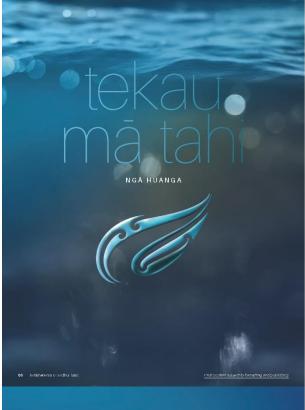
Uaratanga	Körero whakamärama	Origins
Te Mahi Kai/ mahinga kai	Mahinga katis the customary gatheting of food and natural materials, the food, and resources themselves and the places where those resources are gathered. To Mahi Katis the utilisation of the resources of this awa for sprittual sustonanco is its highost value.	Nga Taonga Nuta Kwa In ihe PNRP
Wähi Whakarite	Sites and places where very important and often instructed activities have been undertaken by Maori for many centruist. This is a place of intust related especially to mehings satis activities that require a specific environment to function. These practices differ from day to day admitted like high Mahita ngia Tupuna.	Ngá Taonga Nuta Kwa in the PNHP
Taonga species	Are native birds, plants and animals of special cultural significance and importance to Maori.	Te Kahui Talao, Mana Whonua
Contact recreation and Māori customary use	this includes the interaction of Miloti with fresh and constationates to cuturally purposes, it includes a spiritual relationability with water expressed through files practices, constraint, and hisnore of instraint materials. Contact necessarios, and hisnore of instraint materials. Contact necessarios also susports people being allot on connect within water through a range of adultatives as when several many files and angel of adultatives as well as such as sixty. In a magnet of different flows or beyond.	te Kâhui Taiac, Mana Whenua
Repo	Significani weilands.	Schedule A3 of the PNRP
Te mahi mataltai	Fishing and diving.	To Kahui Taiso, Mana Whonua
Takutai Moana	The sea.	Te Kahui Taiao, Mana Whonua
Kaimoana	The customary gathering of food and natural materials, as well as the food and resources themselves, and the places where those resources are gathered.	See Schedule C sites of significance in the PNR
Wāhi mahara	With mohara are places of learning and where local knowledge and histories are etched into the landscape. These are essentially a place that has been central to integenerational knowledge transmission of our tupuma and could be used as such again in the future.	Ngá Taonga Nui a Kwa in the PNHP
Wāhi ahurea	These are traditional places and have special value.	Te Kāhui Taiao
Wāhi whakahaumanu	Place of restoration and healing.	See Schedule C sites of significance in the PNR
Tauranga waka	Cance landings, landing places.	See Schedule Cistes of significance in the PNRI

18 Description of Maori values in the PNRP

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¹¹ Ngā huanga

Nga huanga are the desired outcomes that Mana Whenua have identified for each of their usratanga-valuxs that apply to a Wah Wai Moort (TMU), or part of an FMU. Nga huanga are of critical importance in the PNRP process and will eventually form objectives in the regional plan, ¹⁵

Right in table browkshifted that no end of hungar focusions and water temporary form objectives in the regional point.

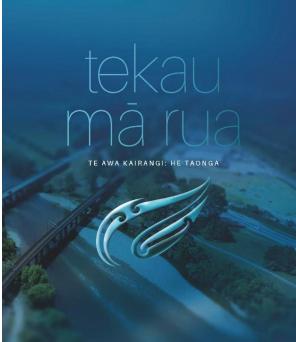
 Right in table browkshifted that no end of hungar focusions at 7 each of that recomply to use in 1.

 Right in the provide the propriet of the recomplishing of the recompl

Spatial area/FMU	Waterbodies/sub-catchment areas	
Te Awa Kairangi	Small, forested streams include tribuzaries for Te Awa Kairangi, Whakatike, Akatérawa, Pákuratahi and Mangaroa Awa.	
	 Te Awa Karangi main stem rivers including Whakatikei, Akatārawa, Pākuratahi and Mangaroa Awa. 	
	 To Avea Karangi small urban streams including Hutt Valley Western Hills, Hutt Valley West Urban, To Avea Kairangt lower mainssom, Hutt River Valley floor and the Waiwhott Stream. 	
Korokoro Stream	The tributaries and main stem of Kerokero Stream (tbd),	
Wellington urban streams	These Wallington urban streams include Kalwharawhara Stream, Ka Stream, Ówhiro Stream and a l East Harbour Streams	
Southwest coast	Southwest coast streams include the Vakara Stream, tributaries and coastal and estuarine areas.	
Örongorongo River	The tributaries and main stem of Orongorongo River (tbd).	
Wainulomata River	This includes Walnulomata tributaries, small-forested streams, the main stem, and estuanno areas.	
The Parangarehu Lakes	This catchment area includes Gollan's Stream, Lake Köhangaterä and Lake Köhangapiripiri and all their tributaries.	
Wai Tai	Wal Tails the coastal area that includes Te Whanganui-e-Tata (the Wellington Harbour), Te Moana o Raukawa (Cook Strait), and Hue ta Taka (Wellington South Coast).	

19 See clauses 3.7 and 3.8 of the NPSFM 2020.

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12 Te Awa Kairangi: He Taonga

12.1 Te whakamārama i Te Awa Kairangi

Describing Te Awa Kairangi

Wai kautū - wadeable - state of uncertainty and risk

To Awa Kairangi Is the major river system in Te Whanganul-a-Tara and is made up of many unique paris. From the headwaters in the Tararua ranges, water flows through small, forested streams, before travelling through a number of main stem rivers into the urban environment, and its smaller streams, and then out into To Whanganul-a-Tara (Wellington Harbour).

To Whanganus-Tara (Wellington Harbour).

Earlies are the depth of the

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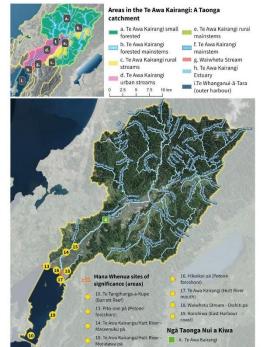


To Ave Kallary is a tongs and sive tupue (reserved annotate) from \$10 high. To a Flangatta and Tean at Whent, In Owen Wallary and the Statement of the Statemen

wildling including anothing was become.

The liver is of great importance as it is the largest source of the tiwater in the ragion. Upstream of the Katoke Welt, the river is recognised for its outstanding indigenous ocception wellow, with high meson inventibrene health, in digenous fields oversity and threatened.

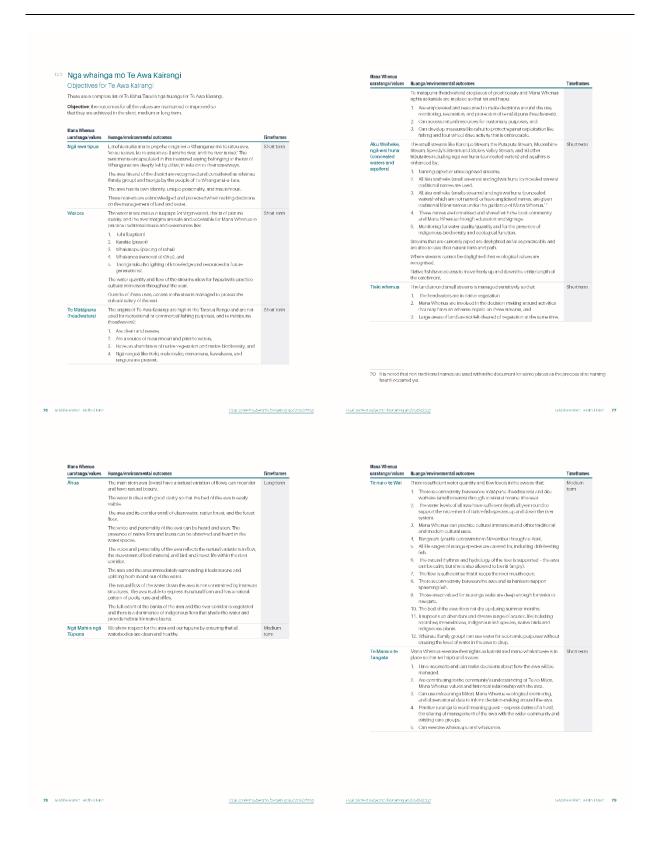
Like allewe in the Te Whangsnule-Tara Whatius Te Ava Kaleng is a clear for warrange. Of particular note are the passives, the repowerlands and their uses for weaving oyes and building materials.



Final content subject to formatting and publishing 12.2 Te whakamārama i Waiwhetū Describing Waiwhetū ▲ Wai Kino - Contaminated by human waste Watwherti Awa is the most polluted waterway in Te Whanganulia-Tara. It is located at the lower end of the Te Awa Kairangi valley and niver mouth. The stream is assessed as Wai Kino on the Te Oranga Wai Mana Whenua assessment framework. This is due to the presence of human waste (E. Coil) which poses a health risk and means that contact with the water should be avoided. While the known reach of the Wakinshots Steam is housely channelsed and polluted the male range of the wave semail reasons has hatural chanced with own as informed in house the hard channelse and the wave semain an second to have a common an second to have been considerable investment in his restoration be the keal continuity, and councils have sport tons of millions of oblies in recent years to improve water guildy, then a settli white to be done before it is set to do not close or vestorations. The stress is destinated in regulation as the plant form a settline as the plant form and the plant

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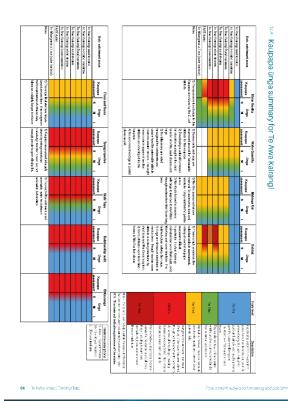
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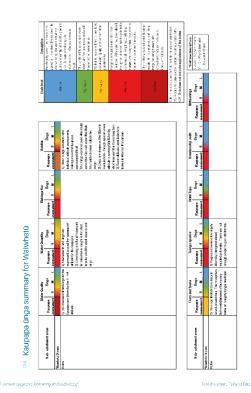
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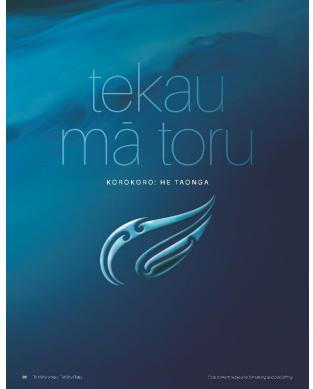
uaratagyivakes To Mana Whakahaere o nga awa ki uta ki tai	Huangarenironmental outcomes A partment management approach is adopted so that Mana Whenus work with regional councils of develop, apply, montor, and onforce helistic rent remangement practices. The Bood haurart sist to continuation hear if a Assa Karang is managed so that the rives a table to exhibit his natural form and chrocore state than being consciented and that mee management induses opportunities for positive design such as recessing high larges. The central global flood protection consent is reviewed so that it achieved those outcomes. These are significant with its purities adjoining 16 Assa Karang in radding isangs and pared is lakened Meedeants. Welladed a Performance isangs and pared is lakened Meedeants. Welladed is Performed which well as the second of the purities of the second of the	Short term	uaratanga/va	Idea Blangalewinomental outcomes Maringale not some include disagna and para et l'euclarota Difacorbannici, Whistoria Difacorbannici, Whistoria Difacorbannicia De Pentalut Dana office homosome de Pentalut De Pentalut De All office more de Pentalut De Pentalut De De Historia De Nobella De De Historia De Historia De Kohelini. De Rigorbangoha and Printan secto aput at mahing si asi atesa these field manacheritat macrochrenettesia especies are present origin route, shortfan trass, transpa, phenas diempreyé, paide filocombet. An mahinga asi asis otrase poi ante pociosa are present harasoko, raupo, porta, konsalevan, formoso, and pairata for venening and hosting. Other mothering asis des sectors pairata for venening and hosting coher mothering asis des sectors pairata for venening and hosting desperancy and sectors. Administration pacifica es el velo, in good condition are discress and the support des processors. Maringale old species are levels, in good condition are discress and sectors and asimilar across all this stagos, are sele to harvest including for manufuri and to excessor manacidatings. Mana Whenus make decisions around the harvest of mahinga kaland contr. 1. Accesse mahinga kari asiss and spocios. 2. Transiela knowledge about preparation, sectiops, and cocking of karinguly withoring and chair means of communication. 3. Develop pressure kilo enhalit or poetar against explosition and	
ngā awa ki uta ki tai	near management practices. The Book Management is Assa Kanings is managed so that the river is table to exhibit its natural form and character attracts of management involved operations of contracts which is the contract of management involved opportunities for positive design such as receivable page startings. The central golden flood protection on consent is reviewed so that it achieves these outcomes. The central golden flood protection consent is reviewed so that it achieves these outcomes. There are significant vish laps also adjoining le Anal Katangs including language and se at I lackards (Management 19 Kontract). Whistonick Park (which was account to bank from what in ever I for Manage Management 19 Kontract). Whistonick Management 19 Kontract Management 19 Kon	Short term		Pa. Peciatur Pa and the mouth of the revisit Aguitur for Pa. Helsoko Pa. Mathetia (E. Cabhall, T. Righengels and Pitalian asked agus. A malatings iss alses these fish and manorisementating species are present origin some, shortfalturas, imange, phares disappely, paids (Boundest, Marie finalise), singuised for and fallati. At manings is a stock these plants pooces are posent: hardooks, rougos, ports, kronskawn formous, and praist for revening and hosting. Other mothings lost like somes used for mod mixing, and must for wearing types are posent. Maritings lost species are levels, in good condition are disease and sometimes are rose all this stages, are alled to stages and out or use, and are plantsful concept to long from hierarchicating for manufuri and to occious managhatings. 2* Mana Whenus make decisions around the harvest of maltings kall and cont. 1. Accoss malangs kall sales and apopolos. 2. Transfel knowledges about prespiration, skeepy, and cooking of kall through whomings and other reviews of communication.	9
	so that the river is suble to exhibit its natural form and character table their posterior dend that river management involved opportunities for positive design such as recessing right carega. The central goldent flood protection consent in evidenced so that it achieves these outcomes. The central goldent dend of protection consent in evidenced so that it achieves these outcomes. There are significant with lispsu sites adjoining to Axek Kalengi including lange and ye at I Buldentia Mescribertic. Whistostate Pe (which view access the careful review that in ever I Amerus A Mescribertia Whistostate Access the Careful American Whistosculo. Whitmask, Monizowa Ph (worker), Marsenulus Ph (Reculator), Pareuri Ph and the mount forth river, Rignul largh, Platicular (3) in the seves and the Whistosculo Ph (Carefull to the sists. Le Righberophe and Publish-review-rapu are significant phases of Earths American Ph Whistosculo Phases and Publish-review-rapu are significant phases of Earths American Physiological States and manage them accessed provided to the significant phases of Earths American account and the section of the Martin Careful Mescribertia or which where the management of the States and manage them accessed to the significant phases to make adjustment or was adjusted to the American account the American management for washitaps also et al. Includes & Julia in not limited for monitoring and resourcing.	Short term		At making it as less these fish and manorizered state species are present long fin trans a shrinff trans, in region phress (lempney), plate (floundes), families finalled, regione (smelt, klorie, and klakah). At making a set alos those plant species are present, hardicole, raupo, purit, armalisma (control, and partial or exercing and health; chief control, and second sometimes and are plant and september of the production of the production of the production of the plant abundant and rease all this stage, are select to hardest and out or use and are plantful concept to leng from harvest including for manuful riand to occioes manufactings. 2° Mana Whenus make decisions around the harvest of makings leat and control. Tourise knowledges about preparation, sceney, and cooking of kell through whomings and chaking of kell through whomings and other reviews of communication.	9
Wáhi tapu	being constrained and that niver management initiaties opportunities for positive design such as receivant jag librarija. The central global filood protection consent is reviewed so that it actives those outcomes. There are significant verification of the properties of the process of the	Short term		longfirmans, shurfin musi, imanga pharas diampowit, pisiki dikundest, karase fundich, pipose ferrisik kuoru, and klakhi. At mahinga ika stoot hisoo piant spocios as opeacent hamsooks raspo- punta, kawakwa (carrocia, and pianta lar vewaning and healing. Chites mahinga kui like sconse used for tool making, and mud for vewaning dyse are present. Mahinga ale species are lively, in good condition, are discrete and sounders across all the stappa are sele to harvest and set or use, and so plantiful crought for long prima hierarctic tacking for manufar and to overcase mahinga make decisione around the harvest of mahinga kal and cart. 1. Access mahinga kal salks and species. 2. Tionafak knowledges about preparation, seeings, and cooking of kal through wharinga and other mass of communication.	9
Wishi tapu	The centring global flood protection consent is reviewed so that it actives these outcomes. There are significant variable pays sites adjoining for Ave Karising Including longs and paid to laudered Miscolardo. What lauder is Windowski across the careful form what in avoir for Misrosolardo. What laudered is Revinich was across the careful form what in avoir for Misrosolardo. What laudered is Revinich was 19 develored, Misrosolardo. What laudered is Revinich was 19 develored, Misrosolardo. What laudered is Revinited to the east, it is Rigolvergo for and if follows east and the mount of the three Ling flowing of the waste and the mount of the seast of the Misrosolardo are significant this paid of the Misrosolardo. What tape sites support the healthy warrus of the tangana poople concurse. 1. What have already group? are able to access these sites and manage them according to illiangs. 2. Regional Council delegates the power under section 30 of the IMAA to Mark Whereau to make decisions around feet shorter management for variitation should be accessed to the control inhibit of monitoring and resolution. 3. What and deminy group? can practice out true influsible and commonless each in eith Wasteries. Name Arrivage, was the protection of protection.	Short term		At maintage are also these plant specials are present hardereds caspo- ports, knowless formore, and plantal for woming and hard for chart makings lost like scenes used for not intaking, and must for wearing dyse are present. Maintage also species are lively, in good condition, are diverse and sounders across at the stages are set to have stand set or use, and so plantal concept for long to misered inserted making for manufal and to excess managements are set of the plantal stages and the set of maintage ket and care. 1. According to the properties around the harvest of maintage ket and care. 2. Transfel knowledges about preparation, seeings and cooking of ket through wharming and other means of communication.	
Wāhi tapu	activized these obsciones. There are significant with laps sites adjoining to Area Kaising Linckulary langua and se at Leukorina (Mescharick Whatestele Pa Cohich week account to bank from what in ever 10 Menusul, Memalishina (Whatestele). Whitelesk, Monazosa 19 (Woolon), Memanish 19 (Bescholin), Presumi 19 and the mount of the time (Paginum Happ, Hilleskolin) for the week and the Waterbeat 19 (Cohitilit to the saist, Lei Rigobergoles and Tribinari-keke-sapur are significant phases of banks along the Waterbeat Strategy and Tribinari-keke-sapur are significant phases of banks along the Waterbeat Strategy. With trap sites support the healthy warras of the tangata-poople occursor. Whit happ areas support the healthy warras of the tangata-poople occursor. Whit happ areas support the healthy warras of the tangata-poople occursor. Whit has a support to the part of the same and manage them according to lakings. It regional Council delegates the power under section 30 of the HMA to Mans Wheters to make delegation are used feet shorter managements for wall tapus also share in the Mansau daming and page and prediction and commonlies, such as not Mapterson, laking drayed, wavering deprotective.	Short term		puis, ixeralisava, formoti, and plantal or wavning and healing. Other infoling a till like a rone used for root making, and must for wearing thest are present. Maintings and species are likely, in good condition, and diverse and abundant across all the stages are set to harvest and set or use, and as operative enough to long term harvest including for manuful in and to occioio manufacturgs. Of the condition of the harvest of maintings fail and con. 1. Access mathings fail asks and species. 2. Transfel knowledges about preparation, scettigs, and cooking of fail through wharings and other means of communication.	
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	Whitness Monazous 19 (Workers) Minimum Lat 19 (Boulcois), Presumin 19 and the mount of the tree; Rypout legs), Blockool (3) on the west and the Waterbeit 19 (Cwhite) to the sast, Le Rypolvengobe and Mohami-kiske-sopular esignificant phases of battle soling the Worker's Street 19 (Cwhite) to the sast, Le Rypolvengobe and Mohami-kiske-sopular esignificant phases of battle soling the Worker's Street 19 (Cwhite) to the Street Street 19 (Cwhite) the Worker's Street 19 (Cwhite) t			abundant across all lib stages are sets to harvest and ost or use and are plantful congil het long form harvest including for manuful riand to concrete manasistangs. ** Warrar Whenna make decisions around the harvest of maintings kall and care. 1. Access mainings kall sizes and species. 2. Touristis knowledge about preparation, skreige, and cocking of kall through whanning and other means of communication.	Shortterni
	and the mouth of the rises (Signut lies); Histois (18 to the week and the Wishelmen 18 Kohilli to the east is Rigolemphe and Whiter-Reise-sopulare significant places of Latthe along the Weishelmen Stream. Wight trap acts as upport the health warea of the tangest-people because: 1. Whan at Significant places are also to access these sixes and manage them according to takings. 2. Regional Council delegates the power under section 33 of the IRMA to Mans When at on make decisions around frestwater management for waiting usbest that includes But is not the Intest of monitoring and restriction. 3. Whan at Gambian and commonies, such as not flagitures, learning dryangly approach on the Reption (protective).			are plantful crought for long term harvest including for manuful ri and to occasion manufationgs." Manu Whenus make decisions around the harvest of maintings kall and core. 1. Access mainings kat alies and species. 2. Transful knowledges about preparation, seeings, and cooking of kall through whenings and other means of communication.	Shortterni
	are significant places of Latthe John yith Waleheld Shaam. Whit tapp alone support the healthy wearus of the tangata-people bocauser. 1. Whansu Samily group's are able to access these selects and manage internanceording to takings. 2. Regional Council delegates the power under section 33 of the IRMA to Mans Whensu to make decisions around feetbraket in management. For waititapp askes that includes Bout is not timely to involve morning and resolvention. 3. Whansu daminy group's can practice out true in trust is and commonies, such as eith 'daystern', knotck in proving, waster greater.			Mans When us make decisions around the harvest of mahings kal and core. 1. Access mahings kai sites and species. 2. Transfel knowledge about preparation, serings, and cooking of kall throughwanning and other means of communication.	Shortterni
	Documer. Whômau damity group's are able to accodes these stees and manage them according to Usanga. Heginard Council delegates the power under section 30 of the IMMA to Mans Whereau to make decisions around festivater management for whittepu stees that includes But its not finish of monitoring and resolution. Whômau damity group's an practice outrarial rituals and commonics, such as eith deprism, kanke to gravely, wastes greated.			cain: 1. Access mahinga kai silks and species. 2. Transfer knowledge about preparation, scorage, and cooking of kai through warrange and other means of communication.	Shortsam
	them according to Manya. 2. Regional Countil delegates to power under section 33 of the IMA to Mana Whenua to make decisions around freshnater management for shift tagu shoot that includes but is not limited to monitoring and restriction. 3. Whenau daming group's can practice out until thus to discontinuous accommentation of the depression of the dep			Transfer knowledge about preparation, storage, and cooking of kat through wananga and other means of communication.	
	Hegional Council delegates its power under section 33 of the HMA to Mans Whereus to make decisions around freshwater management for variating unsket that includes that in not limited for monitoring and respection. Whansu damily group's can practice outfurel ritude and coremonics, such as not high private, loanced in prayed, waster in protection.			through wananga and other means of communication.	
	to Mana Whenua to make decisions around freshwater management for wain tapus sites that includes (Burt is not limited to) monitoring and restoration. 3. Whanau (Bmilly group) can practice cultural rituals and coromonies, such as skill (Baptiera), klarakin (prayor), wacron (protocities).			Develop measures like r\u00e4hui to protect against exploitation and	
	restoration. 3. Whanau (family group) can practice cultural rituals and ceremonics, such as tohi (baptism), karakia (prayor), waoroa (protectivo			overfishing that are able to be enforced.	
	such as tohi (baptism), karakia (prayor), waoroa (protoctive			 Practice tikanga and other preferred methods of harvest safely and a the most appropriate time of the year. 	1
				Exercise customary practices to the extent desired.	
	rähul), and tuku taonga (gifting of knowledge and resources to future		Wāhi Whaki	irite The water is clean and safe to interact with, and the river margins are safe and there is space for whanau (family group) to:	Shortterm
	generations). 4. The wai is clean and safe for use.			 Access traditional paisites. 	
	5. Ngā úranga (landing/arrival places) are established along the river			Access traditional wahi mahara (places of learning) to share information about local knowledge and historics of the landscape.	
	contdor and these are accessible by Mana Whenua, including by waka.			Practice rituals like planting PuangerMetarik.	
Wai Māori	To Awa Kairangi is a key source of community drinking water. The water is suitable for drinking and available within flow limits for that purpose. 21	Modium term		 Hold venanga to continue indigenous practices like living by the maramataka flunar calendar). 	
Te Mahi Kai/	The whole carchment supports the entire life cycle of mahinga kai	Medium		Collect water to use in mauri/mouri-enhancing ways including waitol and for mate (rituals relating to death and cleansing).	i
mahinga kai	species. Mahinga kai species are safe to harvest and eat.	term		Share intergenerational knowledge and resources with whanau (family group) and manuhiri.	
Mana Whenua					
uaratanga/values Taonga species	Huanga/environmental outcomes The water conditions, level, and habitat in the awa, and its corridor	Timeframes	Mana Whenus		
	support the presence, abundance, survival, and recovery of:	Medium	Mana Whenu uaratanga/va Repo		Timeframes Modium
		Medium term	uaratanga/va	lues Huanga/environmental outcomes	
	Benihic macroinveriebraies/freshwaier bugs including köura, kölaht, Ar-tisk and threatened indigenous fish species like banded kökopu,		uaratanga/va	Huanga/environmental outcomes Tho vator quality and hoath of votalands, which include to rigulu awa o To Awa Karangi than river mouth), the Maymorn Wetlands Mount Cone Tuff Boght and Ribe Mountain Rush Swamp Forest, supports abundant and divisions bono which includes miscobes, memorizants paints.	Modium torm
	Beninic macroinveriebraies/fieshwaier bugs including köura, kökahi, Al-iisk and threatened indigenous fish species like banded krikopu, glant kökopu, dwarf galaxias, köaro, bluegill bully, glant bully, Cran's		uaratanga/va	luss Ruanga/emironmental butcomes The water quality and health of vestiansis, which include to ngutu awa o To Awa Granggi the river mouthlit, the Maymorn Westiansis, Mourt Ocher Turf Rogi ²² and Ribo. Mountain Raich Swimp, Forest, supporte abundant and divates bosis which includes merchosis, reservicionis; mitties mercephysis traiges, and no se manufacture in commonities, cutoky, and from logisms carchent, and no place, cutoky, and a flegged versions."	Modium torm
	Benihic macroinvenebrate/freshvater bugs including köura, kölohi, Aerikk and threatenet indipenous fish species like banded kököpu, john kököpu över (palates, köura, bluegit bulg, jant bulg, Carris bulg, redin bulg, pileasu lämpey), längin tuna, and shortin tuna. ⁴ Retro-trak ikk körorur and shortin tuna. ⁴		uaratanga/va	lues Nuangalemironmental butcomes The water quality and health of vestiansis, which include to ngutu awa o The water quality and health of vestiansis, which include to ngutu awa o To Awa Granggi the river mouth. The Maymenn Westiansis, Mourt Oche Turi Regi ²² and Ribo Mountain Raich Swimp Forest, supportin abundant and divates bestia which includes medicises, reservicionise; mitties mercephysis tranges, and no se manufacture for extremental suclas, sail brian (openies carchent), and no se manufacture for langual vestiansis At teps / westiantish seats these fish species are present bunded (skoppu, ajamt kolosopu, longth and shorth mas kozen, nangar godin bulls, bybulls	Medium torm
Contact	Benihis macroinvenebrareofreshwarer bugs including kötura, kölsöhl, Aerisk and theatened indigenous fish species like landed kilkipas, giant kökaps, devert gladesik, körös, bloegli bulli, giant bulli, Carris bulli, rediri bulli, pilareo llampeyi, longfin tuna, and shortfin tuna. ²⁰ Nativo brötik kokororu and kala. Tha lower reaches previde healthy hangs spervning habitat.	torm	uaratanga/va	Ities Huanga/environmental outcomes The water quality and heath of vectands, which include to ngutu awa o To Awa Karangi theorise mouth, the Maymorn Wedands, Mourt Oene Turf Regi ²² and Riuc Mountain Rush Swamp Foeset, supports a bundant and diwares botos within induction members, reservicionistic, mitthe memorphysis finisped, and no averansurbotis like commonins, cultus, real trion (eyeste cachent), and no press, culties, and a degued wardass. ²² At repo feetlands stee these fish species are present banded kokopu, giant kokopu, longth and shortfir time, koaru, menga rediri bully, übelfir bully and phranta shaprojol.	Medium torm
Contact recreation and Minor	Benihic macroinvenebrareofreehvener huge including letture, lottoth, Aeriek and theatened indigenous fish species like banded letkoput, gaint blokoput dever gladesis, knoor, bloeght bulls, gaint bulls, care Team of the species of the		uaratanga/va	Juliang/Amiromental automes The steet or quality and hostin of avatancia which include to right using on To Axia for arrapt their note mouth. The Mayer orm Wathands Mourin Condition of their form of their form of their form of their form of their proportion abundant and diverse both which includes miscorbe, investigations and diverse both which includes miscorbe, investigations (assisted integral and no investigations), and not ledge the discussion of Atlance Conditions, and propers, curriew, and not ledge the trades of their conditions, and propers, curriew, and not ledge the trades of Atlance Condition desertions for their properties of their properties of their properties of their properties of their transportation of their properties of their transportation of their properties of their transportation of their properties of their properties.	Medium torm
recreation and Māori customary use	1. Benihic macroinvenebraise/freshvener hugs including lettura, lottoth, 2. Asiek and theatened indigenous fish species like landed lottopa. 2. Asiek and theatened indigenous fish species like Jamided lottopa. 2. Between lander lottop fishers and benefit in tenz. 3. Native british lots location and education fishers and shortin rans. 4. The lower reaches previde healthy frange spanwing habitat. 4. The vater is clear and cool all year round and these are enough deep position a range of immachine to take piace, so that. 4. People can immerse thereselves in the vater (swimming, batting, batting, batting being in the vater or eleginesh mautimously dividual gening sick and in	torm	uaratanga/va	Itses Nangaleminomental buttomes The water quality and health of vestiansis, which include to ngutu awa or for low for faring the river month. The Maymenn Waterina's Mourt Ocher Tur Rega ²⁸ and Ribus Mountain Raich Swang Forest, supports abundant and division boto without househar marchest, remercioristic, matricentures interpretation and business boto without mountain marchest, and no as or manufactor like commentars, audias, and bear opports and canchest, and no place, curiew, and all dispigal wadasas. At teps of weetfands stees those fish species are present bunded kilopopu dispital collection, graphing and short than a kozen, nanga, rodfin bully, blueffi bully, blueffi bully, and privatus diampropsy. Fish epocaes and lovely, in good confliction, and division and abundant a cook all file stages, an estafe to harnest, and early or use, and are plentiful enough for lang-term harvest including for manufath and to exercise manufacting.	Medium torm
recreation and Māori	1. Penn his macroinesensitation directivate has passed using fortung fortun, solitati, 2. Arabik and the traperted indigence for agreement to landed fellors, solitation for the solitation of	torm	uaratanga/va	Just Blangs/emicromental subcomes The waster quality and health of vootands, which include to right uses on To waster quality and health of wortands, which include to right uses on To was fairning that he more manufactured and disease from which includes medicine, insentionation manufactured in the control sease of disease from which includes medicine, insentionation milities made (page) and not we menturbable the commonance duels, and the insentionation milities and pages, curlete, and pages, curlete, and legigle which (sopput grant belongs). At trapo freedings there is no species are present banded kilosoput pagent belongs the first than kilosoput presign of the following the pagent belongs that the pages of the first bands belongs that the page of the pages of t	Medium torm
recreation and Māori customary use for identified	1. Permin macroinvenentarians/instrusine huga including fature, statistic. 2. Areaks and treatment and permiss of in general list buried selection, special solvens dever facilities, kans, blooghituding permissing, Camiforbully, mellor holdy, index of largest, longith ratins, and shortin rans. 2. Native bides like lacerul and kalas. The leaver rand-bea provide healthy imanga spowning habitus. The vater is declared and cool cally serviced and there are enough deep poole for a range of immediation to take place, so that: 1. Nexplace can immersia therealises in the vater of vaterimaning, butting, being in the vasient or eplemish manufaroust without gesting stake and or developing skin rasiless. 2. Is imageable (youth can do bombs into the vesterbules and can selely mailtipspeciated in the well policy water).	torm	uatatanga/w	Interest Number (e.g., and experience). The costs of causing with characteristic productions of the costs of causing distriction mouth the Maynorm Medianes Numer Core Turning in end for Memorars bein Senten, Florest appoint abundant and describe from which industry investigations and describe from which industry investigations in manageness to the sent forest important production investigations and describe from which is produced investigation of the production of the sent forest industry and red designed weekers of the production of the sent forest investigation of the production of the sent forest industry and phrasis disreptly. Fight apposes and lovely, in production than known arrange of first bully, blader account of the sent production on that they are one again a functioning part of the man resolation or well not have produced.	Medium term
recreation and Māori customary use for identified	1. Permit in macrointerestization of retriverse hospisch during fature, statist, 2. A-stek and threatened indigenous first species like landed folloops, gent budge, to der flydeling fator, f	torm	uatatanga/w	Itses Nangalemironmental butcomes The water quality and health of vectands, which included to rigidula was on for lowest charange then her mouthly the Maymenn Westendas Mourt Oche Turf Regi ²² and Bloc Mountain Rank Swimp Forest, appoint abundant and diverse bosis which includes medicines, membrations mitted and diverse bosis which includes medicines, membrations mitted to their expense carbinal, and region was the second to their expense carbinal, and region was secured and their expense carbinal, and region was secured and applications of their expense carbinal and region was secured to the property and primary dampenats. Among their security control was secured to their expenses of	Medium term
recreation and Māori customary use for identified	1. Permit in macrointerestization of retriverse hospis including factors, statistic, 2. A-stella, and threatened indigenous first species like lamided follows, gent lakes at other fluidosis, factors, bloog fluidosis, gent build, chims and selection fluidosis. The laws and electric research. The laws reaches provide healthy transparagement plantum. The laws reaches provide healthy transparagement plantum. The verter is determent and could layer round and three are crought deep poole for a range of immacriations to take place, so that: 1. People can minimise the research in the water's deviationing, builting, being in the vester or explants in the water deviationing shift sales. 2. Is impactable (youth can do bombs into the extentiviers and can safely man) pages for all banks are ones to accessible and shaded by native vegotation that allowed delay vehacular to the vester. 3. The complete and banks are ones to accessible and shaded by native vegotation that allowed delay vehacular factors delay port or main particulated in claused delay what accessible in the vester.	torm	uatatanga/w	Lise Numpaleminomental outcomes The water quality and health of vectands, which include to rigidit wave of to levels faring if the river mouth, the Maymen Westends, Mourit Core Turl Reg ²⁺ and files the cumant Runs Swimp-Ferest, supportina shandars and dware both with middleshed medicines, membrations, minimal and dware both with middleshed medicines, membrations, minimalement physical straight, and no lever manufactures for designed versions. At teps of westends street these field species are present bundles (kilopit) galant kilopity, longing and sherith runs, kowas, mangri cells bully, bully and pharatu dampsoy). Fish spoods and longing and sherith runs, kowas in register (with bully bully and pharatu dampsoy). Fish spoods are lovely, in good condition, and diverse and abundant across all life stages, are selfer to harrest, and early or use and are plentfull enough to fong-term larves inducing for minimal and to exercise manakanga. The vector arrangens are estated and given protection so that they are once again at functioning part of the main vesition. The vector arrangens are estated and given protection are that they are once again at functioning part of the main vesition. The production of the protection to main minimal and to main this particularly at coaset after sits for love is Kernergin over mountings and users. The even and desturms are as seen to find well as a for the first party for womentings and the way. The even and desturms are as seen for the first party for womentings and the loss of the first party for womentings and the loss of the first party for mountings and we were the sound. In his particularly at coaset after sits for love is carried from our minimal and are not like the suns, Inhabase.	Modium torm
recreation and Māori customary use for identified	 Benithic macroimenebraise/freshverier bugs including letura, lettath, Astek and thesatement indipenous fish species like banded kilospat, plant kilospat, dwert gelades konson bength bulls, genith bulls, certification, bength bulls, perithre bulls, prisonal tilampsey, bright have, and altorifit rouss.²⁰ Better darbal kilosoma in a false. The lower reaches provide healthy tranga spanning habitur. The lower reaches provide healthy tranga spanning habitur. The series is delated and docted layest round and those are conough deep poole for a range of immeration to rake piace, so that: Propies can immerse thereselves in the viewer (walkinning), butting being in the viewest or replaces in sensitivour of viewbrung extra great can sefely maintiperclavated a trevel (falsy in the viewter). The completion and benink on each excessible and shaded by native vegotation that allows delay kylosine in discovering groups to main participation placeston and on section of view vegotation that allows delay what au darving group to main participation placeston and not considered in the views of the participation of placeston and protection of view vegotation that allows delay what au darving group to main. The wave levels in radiational severation of views the chara allongado into cross. 	torm	uatatanga/w	Interest Nampa (emircomental automose) The owner creative and hoselin of exclaracia which included to injust uses on two laterange their toer mouth the Mayer om Wethords Kenari Core Turk Reging and Blook Morrar Red Newmar Forces (and appoint abundant and deverse hosel which includes microbes, investigations, manufactures and deverse hosel which includes microbes, investigations, manufactures, and propose, curtiew, and including and waskes. At report toerfacts these their shappeds are present branded kilotopus plant solicious (longfirm and shortfirm turns, koloro, manga, redfirm bulls, bluefirm turns, koloro, manga, redfirm bulls, bluefirm to the proposed of a brunchant solicious all filescapies, an apod condition, and divides and all perfectly and solicious and turns and turns, and deverse and developed perfectly and considered in turns, and and turns and are plentially and appears and turns and proposed and protocolories on that they are onco again a furnishming part of the manufacture of maint in all to operations.	Modium torm
recreation and Māori customary use for identified	 Benithic macroimensebraise/freshverier bugs including februs, folloth, Astek and thesatened indigenous fish speakes like landed follotput, plant follotput, deef glades follotput bugs busined part bugs for several puts follotputs. Deef glades follotputs. Deef for the grant bugs for the follotputs. The lower reaches provide healthy trangal searching habiture. This two track follotputs are could and those are crought deep postellor a range of immediations to take place and the are concept deep postellor a range of immediations to take place and their contractions. Inopia can immediate hereaffect in the exercise follotputs glades and contractions are contracted in the exercise follotputs and can safely main specialized at the valid (also in the vester). The comdet and barries are castered in the vester follotputs and considered weight and the contractions of the contractions of the contractions of the contraction of the contra	torm	usatanga/w Repo Te mahi mii	 Wanga (emircomental automos) The exists results and boath of existances which includes to not the second to love the samp of the forement of the second to love the samp of the results of the second to love the samp of t	Medium term
recreation and Māori customary use for identified	1. Permit in macrointerentiation of the transport of the process of the process of the model effects of the permit of the model of the process of the process of the process of the model of the process	torm	uatatanga/w	Live Muning/emirronmental outcomes The observation and business which includes to not the processor. The observation and business which includes to not the processor to rive learning their took more mouth the Mayeriam Wetherds Notion. The observation is a second of the processor of the p	Medium term
recreation and Māori customary use for identified	1. Permit in macrointerentiation of retrivenier bugs including facture, statistic, 2. Analist and treatment and approach of the general little production of the production o	torm	usatanga/w Repo Te mahi mii	Lives Numary American and success. The wester quality and health of worlands, which include to rigiduluses on Towes or quality and health of worlands, which include to rigiduluses on Towes fairning the network manufacture. From the figure and figure for more flavored process as a present process as present and conduct an encouplement import and manufacture. An encouplement for the passes are present bended koloput plant koloput carefully also processes are present bended koloput plant koloput for the seed of the present plant for the plant	Medium term
ecreation nd Maori ustomary use or Identified lites	 Benithin macroine-resistance/freshverser bigs including feturs, foliating. Ashikk and thesistened ratigenous filt species like landed foliation. Ashikk and thesistened ratigenous filt species like landed foliation. Risk control feels foliation foliation. Risk control feels foliation. Risk control feels for feels and species and determination. Risk control feels feel feel feel feel feel feel fe	Modium torm	usatanga/w Repo Te mahi mii	Lives Numary American and success. The wester quality and health of worlands, which include to rigiduluses on Towes or quality and health of worlands, which include to rigiduluses on Towes fairning the network manufacture. From the figure and figure for more flavored process as a present process as present and conduct an encouplement import and manufacture. An encouplement for the passes are present bended koloput plant koloput carefully also processes are present bended koloput plant koloput for the seed of the present plant for the plant	Medium term

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Me Heke Ki Põneke







¹³ Korokoro: He Taonga TE KOROKORO STREAM: A CULTURAL TREASUR

Te whakamārama i Korokoro

Describing Korokoro

Wai Kautū - wadeable - state of uncertainty and risk

Mana Whenus are very concerned about Te Korokoro o Te Mana and they regard it overall as being Wai Kautti, or only having the confidence to wade in it, based on the Te Oranga Wei Mana Whenua assessment. It would not support full immersion.

This is larged value to a tack of formal mortaling and information about waiter quantity and quality in the cutations. All the Place of the Place of

Despite this, Tel Kotokoro o Tel Mana retains many imporant values for Mãosi and Mana Villenua hold an appliant of for the entire length of the waterbody to De reasond to its format prating attain. To Kotokoro o Tol Mana is a Tionaga let Tionaga

sets of agrinuances.

Korokoro Stream is proognised and protected as an exemptar extension commensurate with its outcutal status as to korokoro o to ke a file of the outcutal status as to korokoro o to ke a file of the outcome ou

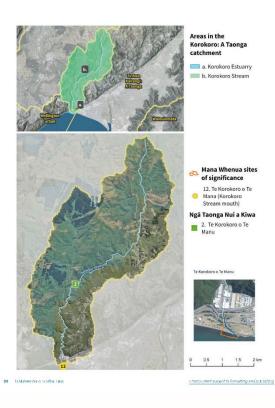
and water supply.

The mouth of the Konkero Siream is an imposurar
source of mathings kist particularly review for
white-bal, long fin tuna and shortin tuna. The Pacone PAT is last or tell on the People fine-shore is a
significant with animus distortion are positioned mear
the mouth of Ta Konkero o To Mann.

the measures to accessors to be aware. It is envisaged that the new To Ata Tupus shared padestian and cycle path that thin's Wellington and Lower I but will taske the potifie of the stream and give it a strenger connector with the wider community. Maria Winnus consider To Ata Tupus an important opportunity to focus efforts on stream estoration as part of the development.

Te Michara Walls Ta Kanul Tales 87

Me Heke Ki Põneke





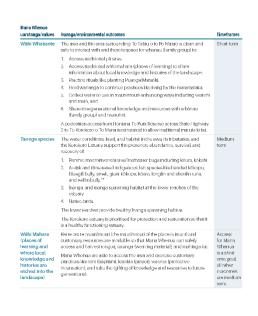
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uaratanga/values	Huanga/environmental outcomes	Timefran				
Ahua	The awa has a natural variation of flows. The stream is able to meander and has natural beauty.	Longter				
	The water is clear with good clarity so that the bed of the awa is easily visible.					
	The awa and its corridor smell of clean water, native forest and the forest floor.					
	The voice of the awa can be heard. The presence of native flora and fauna- can be observed and heard in the water spaces.					
	The voice of the awa reflects the natural variations in flow, the movement of bed material, and bird and insect life within the river corridor.					
	The awa and the area immediately surrounding it is a place of beauty and it leels serene and uplifting both in and out of the water.					
	The natural flow of the water down the awa is not constrained by instream structures. The awa is able to express its natural form and has a natural pattern of pools, runs and iffles.					
	The full extent of the banks of the awa and the river confider is vegetated and there is a dominance of indigenous flora that shade the water and provide habitat for native fauna.					
Ngâ Mahi a ngã Tũpuna	We show respect for the awa and our tupona by ensuring that all waterbodies are clean and healthy.					
	The river comder is sufficiently shaded by vegotation so that kaumatua (aldies) and whansu can sit on its banks and receive spiritual sussenance from mahi parekareka (jelaxation and recreation) list e wat (being beside the awa).					
Te nui o te Wai	There is sufficient water quantity and flow levels in the awa so that:	Medium				
	 There is connectivity between te matapuna (the river source) and aku- walheke (small streams) through to takutai meana (the sea). 	terrn				
	The water levels of all awa have sufficient depth all year round to support the movement of native fish species up and down the river system.					
	 All life stages of taonga species are catered for, including drift feeding fish. 					
	 The natural rhythms and hydrology are supported. 					
	There is connectivity between the awa and its banks to support spawning fish.					
	The bed of the awa does not dry up during summer months.					
	 It supports an abundant and diverse range of aquatic life including microbos, invortobrates, indigenous fish species, native birds, and indigenous plants. 					

Te Mana o te Tangata	Mana Whonua exercise their rights as kaitiaki and mana whakahaere is in place so that iwi, hapu and marae:	Shortterm
_	Have access to and can make decisions about how the awa will be managed.	
	Are contributing to the community's understanding of Telao Mācri, Mana Whenua values and historical relationship with the awa.	
	Can use matauranga Maori, Mana Whenua ecological monitoring, and observational data to inform decision making around the awa.	
	 Practice manaaktrurange, the sharing of management of the awa with the wider community and existing care groups. 	
	 Can exercise whakarapu (making raput and whakanoa (making free from tapu, or noa). 	
Te Mahi Kal/ Mahinga kai	The whole calchment supports the entire life cycle of mahinga kat species.	Medium Iniel
	Mahinga kai species are safe to harvest and eat.	
	Ar mahinga kai stres like Te Korokoro o Te Mana ûhe mouth of the Korokoro Stream) these fish and macroinvertebrates are present; longfin tuna, shortfin tuna, linanga, kõura, and käkahi.	Medium term
	At mahinga kai sites plant species like harakeke are present.	
	Mahinga kai spocies are lively, in good condition, are diverse and abundant acress all like sugges, are safe to harvest and set or use, and are plentful enough for long-term harvest including for manufrit and to excesses manealitangs.	
	Mana Whenua are able to make decisions around the harvest of mishings kai like harakeke and care	Shortterm
	 Access mahinga kai sites and species. 	
	Iransfer knowledge about preparation, storage and cooking of kai through wananga and other means of communication.	
	 Develop measures like r\u00e4hui to protect against exploitation and overfishing that are able to be enforced. 	
	 Practice tikanga and other preferred methods of harvest safety and at the most appropriate time of the year. 	
	Exercise customary practice to the extent desired.	

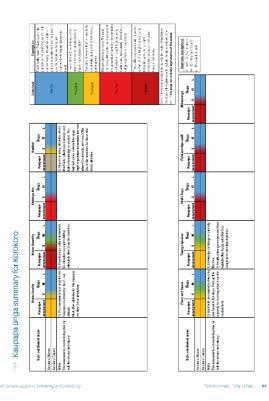
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Me Heke Ki Põneke



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TETAONE O PÓNEKE

14 Te Taone o Poneke

Te whakamārama i Kaiwharawhara me

ětahí atu awa o te tăone o Pōneke
Describing Kaiwharawhara and other Wellington urban streams

▲ Wai Kino - Contaminated by human waste

The Wellington Urban FMU is made up of a number of urban streams including the larger Kalwharawhara, Karori and Owhitio awa. To Manga o Kalwharawhara (including To Mahanga and Korimako Streams) are Nga Taonga Nul a Kilva (the treasured inheritance of Kikva refers to those waterbodies of most importance to Mana Whenua identified in Schedule B of the PNIPP) for Taranaki Whanut.

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Absolutely Positively Wellington City Council

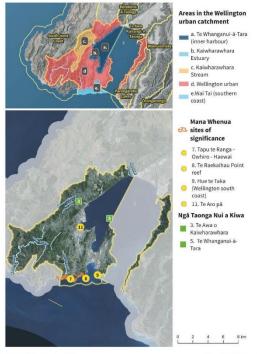
Me Heke Ki Pōneke



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Mere What up want to issues both the mans and the water quality of the Carebrackhast and other under creative Carebrackhast and other under creatives. Suggested revisioners for tended should be engineered and by with trudy in the tended should be engagement and by with trudy. In the tradeurs go Materian ormonously and secondaria. Longerteen improvements sequice a complete ungradend selecting visible one and alcoholisms are not destinated and alcoholisms.



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Ngā whāinga mō Kaiwharawhara me ētahi atu awa o te taone o Pōneke Objectives for Kaiwharawhara and other Wellington urban streams

These are a complete list of Te Kähul Talao's ngā huanga loutcomest for the Wellington urban streams.

Objective: the outcomes for all the values are maintained or improved so that they are achieved in the short medium or long term.

Mana Whenua uaratanga/values	Huanga/environmental outcomes	Timeframes
Ngā awa tipua	The awa are recognised and considered as whenau (family group) and taonga by the people of Te Whanganui a Tara.	Shortterm
	The awa has its own identity, unique personality, and mauri/mouri.	
	These matters are acknowledged and protected when making decisions on the management of land and water.	
Te Mätäpuna	Te Marapuna are places of great beauty, the values are prisitine and are not to be used for recreational or commercial fishing purposes.	Shortterm
	Mana Whenus (twi recognised as having mana over a region) have access to to matapuna (the headwaters) and make decisions around its use, restriction and protection including using whakatapu (placing of albut) and whakarao (removal of rahut).	
Aku Waiheke/ Nga wal huna	The aku waiheke (small streams) such as Te Mahanga, Korimako Streams, Aktivat, Waitangi Streams and Days Bay Stream, including ngā wai huna (conceoled waters) and a quifers is enhanced by:	All are short-term outcomes
	Naming piped and unrecognised streams. All aku waiheke (small streams) and nga wai huna (concealed waters) traditional Maori names are used.	except for re- naturalisation of the stream which is a
	All aku waihoke (small streams) and nga wai huna (concealed waiers) which are noi named, or have anglicised names, are given iradii ional Māori names under the guidance of Mana Whenua.	medium-tem action.
	 These names are formalised and shared with the local community and Mana Whenua through education and signage. 	
	 Monitoring for water quality/quantity and for the presence of indigenous biodiversity and ecological function. 	
	Streams that are currently piped are daylighted as lar as practicable and are able to take their natural form and path.	
	Where streams cannot be daylighted their ecological values are recognised.	
	Native fish have access to move freely up and down the entire length of the carchment.	

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The own has a natural venision of loves. The stream is able to meander and has natural bounty.

The water is clear with good claim you that the had of the aven is easily vet ble.

The area and to contridor small of down water, native forest, and the form that manufacture for such that the forest is abort to time. Root. Is short time. The years and he heard. The presence of native filera and launa can be cleared and heard in heaves represent the volte of the area reflects the nature valuations in flow, the movement of bed material, and lad and mess tile within the time conduct. The awa and the area immediately surrounding it is a place of beauty and it feels screne and uplifting both in and out of the water. The natural flow of the water down the awa is not constrained by instream structures. The awa is able to express its natural form and has a natural pattern of pools, runs and riffes. The full outent of the banks of the awa and the river corridor is vegetated and there is a dominance of indigenous flora that shade the water and provide habitat for native fauna. Ngā Mahi a ngā We show respect for our awa, estuarine and coastal waterbodies and tupura by onsuring that all waterbodies are clean and healthy. There is sufficient vester quantity and flow levels in the area so that.

There is a connectivity between in mistagures and six warshole familiationarial Prought in like air mora the seal.

The warse levels of all was have sufficient depth all year round to support the misment of nature flow species up and down the triver system.

Mans Whenus are practice outlined immersion and other traditional modern outlined uses.

All the stages of tempas species are calcred for including drift fooding feth.

The natural mismatrice and best to be a second for including the seco tooding feith.
The natural highmes and bydrology of the river is supported. The seven can be outh put when it also allowed to be set if languy.

6. The flow is sufficient so that it keeps the river mouth open.

7. Those is connectively between the wave and its benish susport spowing feith.

7. The best of the area does not diy up during summer months.

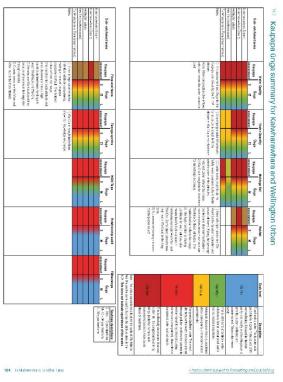
8. Exportes an abundant and diverse range of aquests life including microbots, inventorations in diagenous field in process printing and indigenous plants.

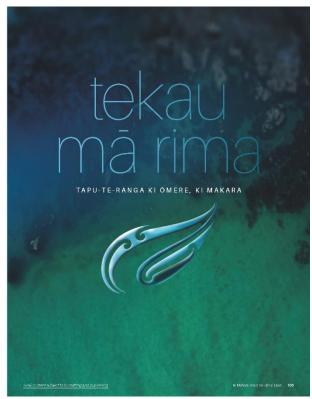
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¹⁵ Tapu-te-ranga ki Ōmere, ki Makara

The Southwest Coast comprises the Karori and South Karori Streams, and the Makara Stream. Estuary and coast and the many ributantes that feed into these waterbodies. The continued connectivity between these streams to the coast is of critical importance to Mana Whenua (ivi recognised as having mana over a region).

South of the Karoni of salass are a number of verifit agains and well it sput of sign finance to ligating learnings and lisaresis withstein, is between and in the lisa is practiced, it is which include to firmusps Sindar Head and

Te whakamārama i Karori, Makara me ētahi atu awa takutai me ngā wāhi ngūtu awa

Describing Karori, Makara, and other coastal streams and estuarine areas

Wai Kautu - wadeable - state of uncertainty and risk

Southwest Coast is regarded as being in a state of uncertainty and risk based on the To Cranga Wai Mana Whenua assessment. This is in particule to a lock of information and monitoring on the impact of wastewater discharges on the inter-lidel marine environment and makings kit areas. The vulnerability of small streams to discharge and diemage from stock and septic tanks which are both currently unmanaged is an

values that must be incorporated and protected. The steem and the control support many makings keip jerns tilk op that and formoot and maint rearrage plants like has lessed, suppo, and paints for sweening and exogole (hostings). While the more incorporative Mania Mehanus values in this sees are molfrings like in and kammoning the extension is also exceptibled for other special values and the steep of the form of the control of the live of the form of Making Boach and is of significance to Ngati Tame.

empt in Chau North-where their are loss of small, understood paus. There is also immense possible on consist incorring from posching. The water loss for its Manga of halists water is currently very loss, which is possibly affected by unundative water alsos. Their is also are red insk that the cumulative impacts of rural segments set on an edit possible in the stream of the possible in the stream. In the Matiens stream and this bustness are characterised by having narrow channels and love flower clatter on their length and the scale of the stoop landscape they drain. Their relatively areal the total case the stream of the scale of the stream of the scale of the scale of their length and the scale of their length and the scale of the scal

the PMIR?
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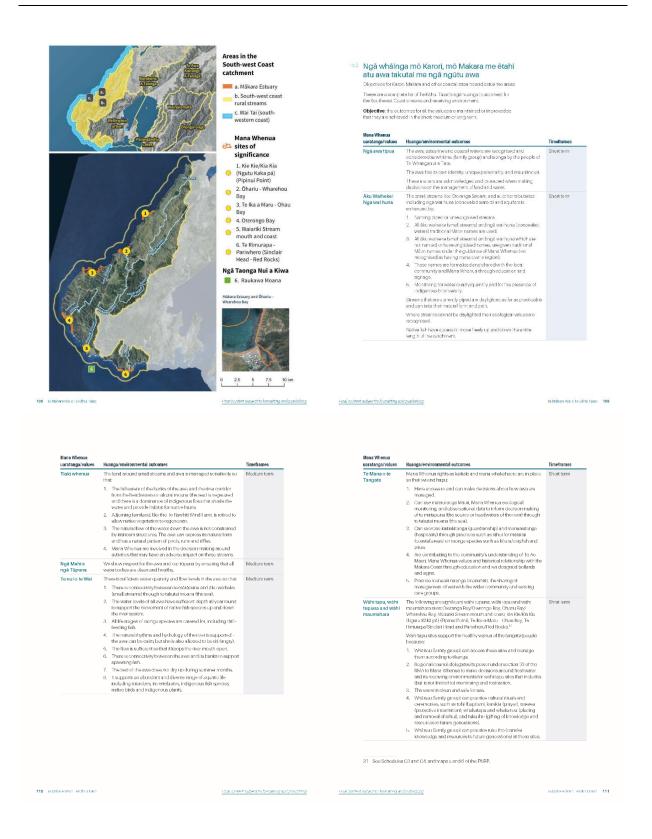
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106 Te Mahara Ward Ta Kahur Tala:

Te Mahara Water Ta Kanut Tatas 107

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uaratanga/values	Huanga/environmental outcomes	Timeframes
Te Mahi Kai/ Mahinga kai	The whole eatchment supports the entire life cycle of mahinga kai species.	Modium torr
	Mahinga kat species are safe to harvest and eat.	
	The following are making a kai sites and sites of significance:	Modium tom
	 Kie kie/Kia kia/Pipinui Poini (formerly the site of the Ngutu Kōkō pā) 	
	 Ohariu Bay/Wharehau Bay and Te Ika-a-Maru/Ohau Bay Important sites for Ngati Toa Bangatira and Te Atlawa/Taranaki Whanui that includes Wharehau Pa) 	
	 Oteranga Bay/Oterenge Bay (an important site for both Te Atlawa/Taranaki Whanui and Ngati Tea Rangatira) 	
	Walarki Siream mouth and coast	
	Korohiwa Ion east coast of the harbour by Murital), and Te Himurapa/Sinclair Head and Parkwhero/Hed Books ³²	
	At mahinga kai sites fish and macroinvertebrate species like mullet.	
	patiki, pipi, paua, kakahi, koura and cocklos are present. Aumahinga kai sites plant species like harakeke, raupX, karengo,	
	pühä and femroot are present.	
	Other makings kai like stones used for tool making, mud for weaving dyes, and plants for rongoa (traditional medicine) are present.	
	Mahinga kai species are lively, in good condition, are diverse and abundan across all life sages, are safe to harves, and eat or use, and are plentiful enough for long-term harvest including for manuful in and to exercise manualistangs.	
	Mana Whenua are able to make decisions around the harvest of mahinga kat and can:	All shorr iem
	Access mahinga kai sites and species.	
	Transfer knowledge about preparation, storage, and cooking of kai through wananga and other means of communication.	
	 Develop measures like răhui to protect against exploitation and overfishing that are able to be enforced. 	
	 Practice tikangs and other preferred methods of harvest safely and at the most appropriate time of the year. 	
	Exercise customary practices to the extent desired.	

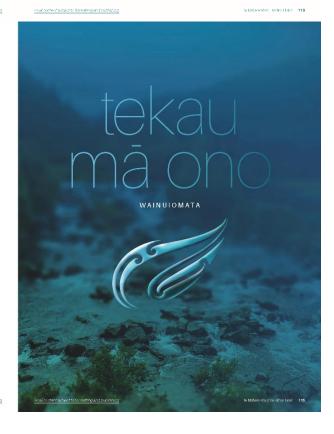
Mana Whenua uaratanga/values	Huanga/environmental outcomes	Timeframes
Taonga species	The water conditions, level, and habitat in the awa, estuarine area and takutai meana (the sea) supports the presence, abundance, survival and recovery of:	Medium term for improved presence,
	Benthic macroimverrebraies that include kitura and kilokali. Interstened and artisk rather intigratory species such as banded richs (part tolk) (koro, interage felicific speam at the Makara Stream's mouth's tidal zone), common smol. black foundorspatik, mulitor phismu longhir turus, shortfin turus, rodfin bully, bloog bull bully, and upland cully.	abundance and survival of langa species and water levels. Short term time frame for removal of fish
	Fish barriers have been removed and fish passage is supported. The lower reaches provide healthy inlangs spawning habitat.	harmovar or iran barriers and Mana Whenua inclusion in freshwater decision-making.
Contact recreation/Māori customary use	The water in the awa and at takutal moana (the sea) is clean and cool and there are enough safe accessible sites that support a range of interactions so that:	Long term
	People can immerse themselves in water (swimming, bothing, diving, being in the water to replanish mauti/mouri) without getting stok and/or developing skin rashes.	
	 Bangatahi (youth) can do bombs in waterholes and can safely mahi parekareka (relaxation and recreation) litokii (play in the water). 	
	 The corridor and banks of awa are easily accessible and shaded by native vegetation that allows elderly whancu (jamily group) to mahi parkkareka i te wat, relax alongside the awa. 	
	 The water levels in traditional swimming places should not drop below hip level. 	
	 Whanau (family group) can divo/rukuruku for and harvest kaimoana. 	
	 The water levels in traditional swimming places should not drop below hip level. 	
	Karori Stream is a significant contact recreation freshwater and coastal waterbody. $^{\rm M}$	
33 See Schedule l	F1 of the PNRP. -P of the PNRP Kareni Stream is a significant centract recreation freshws	

Mana Whenia
usrating probles

The Valent Couley to promised for protection and vistoristic no
that it is healthy functioning obtains the supportance presence,
abundance survivals, and vecesses (it is long in time,
generative stock), hanges rectinibly, being the buy, and
otherwise.

1. The same indigenous fish sceles, like long in time,
generative stock, hanges rectinibly, being the buy, and
otherwise.

2. Feeding and in entitip bridely premised of such published but
stock gas with the forested entity besidelying and
stock gas and coult will valent being in protein the same
is accordant and countries when should refin principle the use of
stronger coexistive the site and is introblished.



35 See Schedule F4 of the PNRF.

14 Te Mahreevia o Te kāhu Talac Finatiocatent aubject to formatting and public

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The Walnu cmara catchment is made up of many unique parts. Te kuinga o te awa (the source of the med) is the Temuraca Banges. The water flows through a number of small, forested streams, before it posses through the suburb of Walnutomata. The manastem, and a number of smaller rural streams then flow through primarily passora land, before entering the ocean at Wellington's south coast.

having outstanding indigenous occayation which of rina are insuranced association of the insuranced association of the insurance of the insura

16.1 Te whakamārama i Wainuiomata

Describing Wainulomata



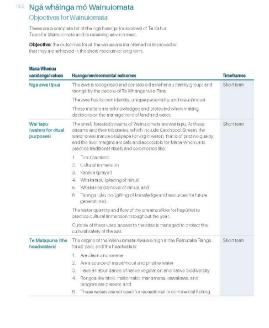
Warnulomata is assessed as Wal Kino on the Te Oranga Wal Mans Whenua assessment framework. This is due to the presence of human waste (Ecotli in the stroum which poose a risk to health and mans in the contact with the waste outside of the headwater forested areas should be avoiced. There remains considerable uncertainty about the state of the urban wastewater network and the non-point contamination from farming and life style blocks.



The stroil Consisted streets of the Walvalorium and test bearins, such as solutions of Steam, and test bearins, such as solutions of Steam, and earlies watering as well required in the seared places where intends and operations over practiced by Maria Walvania. Thousaide is walvalorium of testing property and cultural intervision tokes places hear. There are unavoiss altu waithele simullationaria in the upper resortes of the orbita with unique walvalorium des and protected. These metals of earlier choice of the Maria Consistent of the Warvanian alternation of the handwarvanian of the Warvanian alternation of the handwarvanian of the Street Consistent of the Warvanian alternation (Tapiko Walvanian).

taking eels and kaukuu svanimingi. The Weinkulomata invormouth and tooehor are various feepinbanco to Tananak Whanui in addinon to bong key mahinga kei artos. The Weinkuloman Estrany centure habitat of and at horizo to many ruline sith migratio for and a horizo to many ruline sith migratio dama Whanua. The estrays to enable less than half a dosensale salang the south Wellington or define that supports a thooding population of tratusyntasi bandod dottoriols. In addition, tranga gawaring baltest a lound in vogotation near mouth.





Final content subject to formatting and publishing

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Mana Whenua uaratanga/values	Huanga/environmental outcomes	Timeframes	Mana Whenua uaratanga/values	Huanga/environmental outcomes	Timeframes
	To Matapuna (headwaters) are places of great beauty and require the		Ahua (natural	The main stem awa have a natural variation of flows, are able to meander and have natural boauty.	Mediumtern
	highest level of protection around access and use. Mana Whenua rights as kaitiaki are in place so that iwi and hapu:		form)	The water is clear with good clarity so that the bed of the awa is easily	
	 Are empowered and resourced to make decisions around the use, monitoring, restoration and protection of te mārāpuna (the 			visible. The awa and its corridor smell of clean water, native forest and the	
	headwaters). 2. Greater Wellington Regional Council delegates its power under			forest floor.	
	section 33 of the RMA to Mana Whenua to make decisions around freshwater management for Black Crook in Walnulomata that			The voice of the awa can be heard. The presence of native flora and launa can be observed and heard in the water spaces.	
	includes (but is not limited to) monitoring of awarand restoration. 3. Can access natural resources for customary purposes, and			The voice of the awa reflects the natural variations in flow, the movement of bed naterial, and bird and insect life within the river	
	Can develop measures like rahul to protect against exploitation like fishing, and limit access like prohibiting dogs near to matapuna			corridor.	
	(the headwaters) to protect native bird species such as kiwi.			The awa and the area immediately surrounding it leefs serene and uplifting both in and out of the water.	
Åku Waiheke/ Ngå wai huna	Give mana to äku waihake (small streams), ngā wai huna (concealed waters) and aquifers including George Creek, Catchpool Stream and	Short term		The natural flow of the water down the awa is not constrained by instream structures. The awa is able to express its natural form and has	
George Creek is fully forested	Black Creek, and their tributaries by: 1. Ronaming Black Creek, and George Creek, both in Wainutemata.			a natural pattern of pools, runs and riffles. The full extent of the banks of the awa and the river comider is	
and in pristine condition.	 All tiku watheke (small streams) and ngā wat huna (concealed waters) traditional names are used. 			vegetated and there is a dominance of indigenous flora that shade the water and provide habitat for native launa.	
	All aku waifreke (small streams) and ngā wai huna (concealed waters) which are not named, or have anglicised names, are given				
	traditional Maori names under the guidance of Mana Whenua. 4. These names are formalised and shared with the local community.				
	and Mana Whonus through education and signage. b. Identifying siresers associated with these awa.				
	Ensuring Mana Whenua values are monitored and measured.				
	Streams that are currently piped are daylighted as far as practicable and are able to take their natural form and path.				
	Where streams cannot be daylighted their ecological values are recognised.				
	Native fish have access to move freely up and down the entire length				
Tiaki whenua	of the catchment. The land around small screams like Black Creek is managed sensitively.	Shortterm			
(land conservation)	so that: 1. The headwalers are in native vegetation.				
	Mana Whenua are involved in the decision-making around activities that may have an adverse impact on these streams; and				
	Large areas of land are not left cleared of vegetation at the same time.				
ire VANO - e KShul I NAO) Trail condition in	beed to formating a	g - Enak contribut studyecz (E. Rennetine)	and mathetizg le	Maharasolain eKa
Mana Whenua	: Valuerers.	beed to favorating a	Manz Whenua		Mahayawatin eka
Mana Whenua uaratanga/values Te nu io te Wai	Huanga/emidronmental outcomes Thoras is sufficient vector quantity and love levels in this axea so that:			Huanga/environmental outcomes The Wempulcinates Tavor mouth and foliositions (coastal) are mahinga kal	
Mana Whenua uaratanga/values Te nui o te Wai (abundance of	Huanga/emirronmental outcomes There is sufficient vertor quantity and flow levels in the avec so that: 1. There is connectively between the multiportum of the head-raneal and activities the semillar service in terrol in terrol in the service.	Timeframes	Manz Whenua	Bluanga/environmental autromes The Weinuscentra River mouth and forestriori (scestral) are matringa kai auto. ** At mathinga kai saks these fish and matchinesmellustus are present:	Timeframes
Mana Whenua uaratanga/values Te nui o te Wai (abundance of	Huanga/emirronmental outcomes There is sufficient vector quantity and flow levels in the area so that: 1. There is connectivity between the materia may be handwareal and alter washes family assyrast from the faut round this seal. 2. The water levels of all also have sufficient chapt all given round to support the incorrection of material rounds in support the material rounds of the fact of the fac	Timeframes	Manz Whenua	Managa/environmental outcomes The Véanusionnata River mouth and foreshore (sceastal) are mahinga kal atos. Ai mahinga kal aksis hiese fish and modernerinshruss are present: lengtin runs, shortifin runs, kidua, kilishin, and palus.	Timeframes
Mana Whenua uaratanga/values Te nui o te Wai (abundance of	Huanga/environmental outcomes There is outfloom vertor quantity and flow levels in the avec so that: 1. There is connectively between the multiporum of the head-ranest and activity withers entitle services in the opin to influsion recent this service. 2. The water levels of all allows have sufficient chaph all given round to support the increment of native 6 ship species or pand down the intersystem. 3. Mans Whomas on precision outlined immonstern and other	Timeframes	Manz Whenua	Huanga/environmental outcomes The Meanuscometa Divor mouth and hosebook (coestables or makings hat state. All makings bit sless these liefs and naccoinversalizases are present: longific race, shortful race, któray, ktélenty, and pálas. At makings kai skos divos plant spockes are present: karengo and patres for vesenting and hoseling.	Timeframes
Mana Whenua uaratanga/values Te nui o te Wai (abundance of	Rusings/environmental outcomes Those is sufficient vector quantity and flow lovels in this axes so that: 1. There is connectively between the matigitums (the headwareast and alter worshess famillia searchs through to initiate morans these searchs of the southern of the search of the sea	Timeframes	Manz Whenua	Blangs/environmental outcomes The Weinscornate Revermouth and forestrion (scoestal) are makings lost attac. An inchings lost also been fish and macroimenselbraises are present: longfin raws, shortfin runn, Kotra; keleint, and place. At makings lost abose drives plant spectes are present: karengo and plantes for voewalings and hodilise. Makings koi specials are lovely, in good conditions, are depended and attachdism cornect all files augine amended to harves, and east or tiss, and	Timeframes
Mana Whenua uaratanga/values Te nul o te Wai (abundance of water)	Rusings/ensironmental outcomes Those is sufficient vector quantity and flow lovels in this axes so that: These is connectively between the matiginum of the head-waised and alturounlikes semail sensors through to initiate moral thesess. I have ware levels of all axes have sufficient depth alliques moral to support the investment of native 6sh speries up and down the river system. 3. Mans Whomus can precision outfut all immoration and other traditional and modern outfurnitudes.	Timeframes	Manz Whenua	Huanga/environmental outcomes The Westructurata River mouth and forest-too (sceastal) are makings lost atto.* Air makings but alses these field and maccomerselutures are present. Lengtin runs, shortin runs, short, sciedint, and place. Air makings but short shows desso plant spectes are present. Lengup and plants for vowering such bealing. Makings kai spocular are lovel, in good condition, are desert and attendion necessal life sugges, are necessive to harvose, and care plantiful denough for long-term butweet including for manufacturing.	Timeframes Medium tem
Mana Whenua uaratanga/values Te nui o te Wai (abundance of	Rusings/ensironmental outcomes Those is sufficient vector quantity and flow lovels in this axes so that: Those is concentrably between the matiginum of his headwaread and alter works formall sensors through to initiate moral the seas. I have ware beed of all axes have sufficient depth allegar moral to support the movement of native 6sh specifies up and down the river system. 3. Many Whomas can procision outlitud immonision and other traditional and modern outlimit uses. 4. Ringianth lyouth can seem from flowershort insough to Agrit. All file suppose of prong systems are obserted for, including diffi-	Timeframes	Manz Whenua	Huanga/environmental outcomes The Weinziemata favor mouth and toestoop (coestal) are malnings tost stop. At molings bit sies, these field and macroinvenibrates are present. Longfin use, dentification, folias, telent, and plain. At malnings fail sites shore joint is poses are present knernge and plaints for oversing and healths. Maintings kai spocas are lovely, in good condition, are diverse and abstending necessal fills eagings are sold to harves, and east or ties, and are plentific around the life agent are sold to harves. Including for marunitandin excession analatting. Mara Whomas are abstent emisle document around the harvest of malnings has and care.	Timeframes
Mana Whenua uaratanga/values Te nui o te Wai (abundance of	Rusings/environmental outcomes These is sufficient web repainted and flow levels in the laws so that: There is connectively between the matter, and the handwaread and alter workers formall searces through to initiate moral of the seal. The water levels of all laws have sufficient depth all legar moral to support the incerement of native 6sh species up and down the river system. 3. Market Whomas can processo outtrust immoration and other traditional and modern outbrist uses. 4. Rengaish sycurity can seem to make the manufacturing distinferenting fait. 6. In the results hightins and hydrology of the river is supported—the save can be early, but she is also aboved to be intil angaly. 7. The flow is submort as that the composition from one.	Timeframes	Manz Whenua	Huanga/environmental outcomes The Weinziemata favor mouth and boodhore (coastad are mahinga lost atous. At mahinga lost sake these field and macroinvenishous as ine present. Longfin usas, abriefin rune, folias, widerin, and palas. At mahinga lost lostes dively plant tapodes are present kerengo and plants for overviring and holding. Maittinga kai spootae and lovely, in good conditions, are diverse and abstending nocessal fillis eagips, a model to harves, and east or tale, and are plentific around pill foliasy are also foliasy foliasy and active transactions. Marta Whomas are also to make document around the harvest of mahinga has and activity. 1. Access multinga kai and spodes. 2. Tainsfer for nocking a boot up representing storage and cooking of kail.	Timeframes Medium tem
Mana Whenua uaratanga/values Te nui o te Wai (abundance of	Rusings/ensironmental outcomes Those is cultivaries were repained you lovels in the axive so that: I Those is connectively between the matiginum of the head-waised and also worked semall sensitish the properties of the second in the seaso. I he waster beside of all axive basive sindies depth all given month to support the movement of native 6sh species up and down the river system. 3. Mans Whomus can practice outlined immostate and other the rest system. 4. Rengaish dyouth's can seem from Recember through to April. 5. All file support objects of propagations are careed for, including diffilereding fish. I have resulted in plant and hydrology of the niver is supported — the axive can be other. Larche is also allowed to be in it arrighy. 7. The file was informed to the time of the more recognition of the care	Timeframes	Manz Whenua	Huanga/environmental outcomes The Meinuscentral River mouth and boodhore (coestad are makings lost attes. Are rachings lost sakes these field and macroimensibuses are present. Longfirmans, dendifications, toking, adeling and palina. At mahings last sixtees driver plant typodes are present. Aerenge and patrists for veewing and holding. Maintings kai spootan are levely, in good conditions, are devices and abstending necessarial life angies, are related to harvers, and east or task, and are plential energies for the present including last manuscribus assertions manufacturing. Martar Whomas are albot to make document around the harveral of mahings has and acts. 1. Access mahings kai and dark. 2. Linsafest including about presention storage and cooking of last though eventuage and other means of communication. 3. Decode procedured and and other means of communication.	Timeframes Medium tem
Mana Whenua uaratanga/values Te nui o te Wai (abundance of	Rusings/environmental outcomes These is sufficient weter quantity and flow lovels in the laws so that: There is connectively between the matteriums that head-waised and altriviously seemal is sense in the laws. I he want is beed on flavor burse varieties of the histories in unit to support the inversional of native flow histories out and down the river system. 3. Many Whitmas can procision outlitud immension and other traditional and modern outlitud uses. 4. Rengaish lyouth kain seem for the week the history to April. 5.All like support to more species are screened for, including duffinessing fait. 6. The results hightins and hydrology of the river is supported—the average can be outlituded by the histories of the seem of the control of th	Timeframes	Manz Whenua	Huanga/environmental outcomes The Meanuscentral River mouth and fosselvor (coestal) are makings lost associated and makings lost associated and macroimenselusias are present. All makings lost associates (selent) and palaciates are present. Attenthings lost associates plant species are present learnings and plantings of the present participation of the plantings of the plantings and posselves. Makings kai aprociate and work, in good conditions, are devices and absolutions accessed billion agains, are adviced to harves, and east or task and assigned associated harvessed including for mariumstundio exercises manuscributings. Maria Whomas are abolic termisko documen acound the harvessel demantings have an adviced as and species. 1. Access makings kaid and card. 2. Londer's more holder about pre-presention storage and cooking of fast though eventuage and order means of communication. 3. Docusely more accessed with the process of communication. 3. Docusely more accessed with the process of communication. 3. Docusely more accessed with the process of communication. 3. Docusely more accessed with the process of communication and coverteling that includes a ban on all communication.	Timeframes Medium tem
Mana Whenua uaratanga/values Te nui o te Wai (abundance of	Rusings/environmental outcomes Those is sufficient veitor quantity and flow lovels in this axiv as or that: Three is connectively between the materia man fine headwaread and alter with the second of the second in the second	Timeframes	Manz Whenua	Buanga femironmental outcomes The Viernacimate River mouth and folioptions (coastal) are malning a lost sites.** At mishings lost sites here field and maccinimentalises are present: lengthr uses, sharifarusing kicking and polius. At makings lost sites drives plant species are present karengo and plants for owning and healting. Mathraga kis spokes are Selving, regord condition, are divises and abstudian across all the stages are able to have, and eat or use, and aster of the selving in long year throse mouthing for mountainance in outplants of comparison to the process mouthing for mountainance in outplants and care. A coaste sharing kis sites and species. In ansier kincolvedge about preparation storage and cooking of list frough ventrage and other mensor of communication. Divisiop measures like refuse to proceed against opicitation and coording of the industry as her and communication.	Timeframes Medium tem
Mana Whenua uaratanga/values Ten rui o te Wai idaundance of water)	Ruanga/environmental outcomes These is sufficient vestor quantity and flow levels in the axes so that: 1. There is connectively between the matilitations in the handwareal and altitive being similar search in the properties of	Timeframes Modeum torm	Mana Whenua uaratanga heluta	Huanga/environmental eutcomes The Warnacornals Rivor mouth and foresthorio Scoastal are making a load attor. At mishings lot also been fish and macrotimemelatures are present; longfirm use, shortfirm use, kotar, kidelit, and plata. At mishings lot also shows plant species are present karengo and platrate for evening and hodings. Makings kai spockas are lovely, in good condition, we diverse and also indirection and plate and shortfine increased life seages are read to harves, and entor use and are plentiful enough for long-term harvest including for manufatured in exercises manufacturing. Marra Whoraus are obtained occasions around the harvest of makings and and care. 1. Access makings kal stees and species. 2. Institute structuring kal stees and species. 3. Dovolop measures like in that to protect against capitation and overafilm grift includice as being and commencing in the carcitment. 4. Phan con integral and other ment of communication in the carcitment. A Phan con integral and other replacement methods of harvest seleky and at the most appropriate intered the extent deviated.	Timeframes Modium tern Short term
Mana Whenua uaratanga/values Ten ulo te Wai iakundanoe of water) To Mana Whakahaero o	Plusings/environmental outcomes Those is sufficient water quantity and flow levels in the laws so that: These is concentiately between the institutions of his handwaread and alter works from the service of the laws of the service of the laws of the service of	Timeframes Medium torim	Manz Whenua	Huanga/environmental outcomes The Warnisomata Rivormouth and forestinos (coestad) are making a loat stock.* At mobility and state where fish and macroinvenerabilities are present; length ruse, shortifurum, scharz, skiethi, and plaus. At makings last ables drives plant species are present; karengo and plaints for vow-lang and hodility. Makings kai specials are lavkly in good condition, are dreened and abundan ancersual life segars, are nested to harves, and ear or ruse, and are plantiful anough for long-term harvest including for manufacturing. Marra Whomas are able to make docume around the harvest of makings kai and care. 1. Access makings kai stess and species. 2. Inserter smoothedge about preparation, storage and cooking of kai shough versarings and other intends of communication. 3. Dockelp moissures like in that is operated systems deplication and executioning in modular as in and is commonate calling in the executioning in the data place and is commonated calling in the at the page. 4. Practice allowings and other preferred environistic of harvest safely and at the most appropriate into at the year. 5. Lossobe culturings practices to the extern desked. The visual conditions, level, and habit an this was and its condox, support the intends and the most appropriate into the extern desked.	Timeframes Medium tem
Mana Whenua uartanga values Te nui o te Wai (abundance of water) To Mana Whashabarto o ngà awa ki tala ki ki la (sakangan)	Numpa/environmental outcomes Those is cultivaries water quantify and flow lovels in this lave so that: Those is concentrally between the matiginum of the haddwinered and also was been streament on the season. In the water levels of all lave have serificient depth all great mount to support the movement of native shift payed with a down the river system. 3. Mans Whomas can practice cultural Immostoria and other that down and modern outlined in the season of	Timeframes Modium form Short form, woodpilor for restructualising this axe.	Mana Whenua uaratanga heluta	Huanga/environmental outcomes The Warnischmats Revirmouth and foresthore Scoestad are makings lead stock.* At makings list alike these fish and macroinvenerbases are present: length ruse, shortifusines, skippit, skiphit, and palue. At makings list alikes drive plant species are present; karrings and plantises for wearings and hodiling. Makings kail process are lively in good condition, are dressed actual actualism ancessed life segars are read to harves, and real or task and are plantiful anough for long-term harves including for manunational in services manufacturing. Maria Whorsta are abotic terminal obsessions around the harvest of makings kind and care. 1. Access multings kail stess and species. 2. Inserter smoothedge about preparation, storage and cooking of leat insough versings and other means of communication. 3. Dovelop measures like in that is proced against exploitation and confidence in making and other in the size of communication. 4. Doselop measures like in that is proced against exploitation and confidence in the confidency in reduction as the origin of confidence in the layer. 5. Less classifications are all the size of the several dealered. The vesser conditioning level, and habits in this way and its condox, supportines time of lively and six valued and covered or, supportines time devived and covered or. 5. Understanding the size of the several dealered. 6. Understanding the size of the several dealered. 7. Domitic macroinversolvance freelywater bugs including lounce loads.	Timeframes Modium tern Short term
Mana Whesua uarstranga values Te nui o te Wai (abundance of water) To Mana Whashabara o nga awa ki uta ki ki tal custamang authority over thi nyres in both the vires in both	Plusings/environmental outcomes Those is sufficient vestor quantity and flow lovels in this laws so that: Those is considerly breasons to matrician of the hadden end and attravables is small reserves throughto matrial morars the seal. It has some lovels of all wave love sufficient depth all year count to support the inventment of matrix bits poseds or and other their reserves. The state of the seal to the state of the seal of the s	Timeframes Modium form Short form, woospe for re-naturalising the away (then, which is a long-rem).	Mana Whenua uaratanga heluta	Huanga/environmental eutcomes The Warnacomata Rivormouth and foresthorio Scoestal are making a lost attor.* At making his stakes heer field not and macrotivementarias are present; foreign usas, shortinums, kotar, skiethi, and plaus. At makings his stored were plant species are present karengo and plants for overland gradients of the week shortinums, kotar, skiethi, and plaus. Mathapa kai spockas are lovely, in good condition, we diverse and are plantiful enough for long-term harvest including for manufactured are better diverse, and certification are secretise manufacturing. Matra Whoraus are obtain to make discussing around the harvest of makings kai and dare. 1. Access suntings kal stees and species. 2. Inside in suntings kal stees and species. 2. Inside in suntings kal stees and species. 3. Developmentaries and other matrix of communication. 3. Developmentaries and other material of continuings in the carcitment. 4. Phan con islangs and other preferred methods of harvest selley and arithe most appropriate inthe of the year. 5. Lesses unconsural practices for the estert deviated. The view conditions level, and habits in the was and is conduct. The view conditions level, and habits in the was and is conduct. The view and material ordinations the long in robusing local size of the plant of the planting of	Timeframes Modium tern Short term
Mana Whexua userstangs/whites To rui to te Wal is alturations of wester) To Mana Whakahasera ong a wat usu a suurbeity over the trust with the wester in th	Pluangu/environmental outcomes Those is sufficient vestor quantify and flow lovels in the axe so that: 1. There is connectively between its malitipatina (the headweined and attivioushese senall sensors) through to initiata more in the seal. 2. The soute heads of all axes have sufficient depth all gives count to susport the movement of netice ship species up and down the their system. 3. Many Whorus congressics cultural immension and other traditional and modern cultural uses. 4. Singuish syouth can seem from Nevember through to April. 5. All Kenagges of longing species are consent for, including citilizeting fail. 6. The instruction of the second of the process of the second of the secon	Timeframes Modium form Short form, society for the natural plant may be natural plant may be not forced, which is the natural plant may be not forced, which is the natural plant may be not forced, which is the natural plant may be not forced, which is the natural plant may be not forced, which is the natural plant may be not forced, which is the natural plant may be not forced, which is the natural plant may be not forced by the natural plant	Mana Whenua uaratanga heluta	Huanga fenvironmental outcomes The Warnucinna's fivor mouth and forestinote Scosstal's are makings lost attack.* At mothings lost six-eshees field and macroinvenirebrase are present foreign uses, shortifusings kidelity and platus. At makings lost six-eshees field and macroinvenirebrase are present. Serings and platings of the six	Timeframes Modium tern Short term
Mana Whenua uaratanga values Ten ulo te Wai (abundance of water) To Mana Whatana on on a water un analysis water un ana	Pluangu/environmental outcomes Those is sufficient vector quantify and flow lovels in the axe so that: 1. There is connectively between its malitization of the handweised and altrice with the second of the plus of the second	Timeframes Modium form Short form, woospe for re-naturalising the away (then, which is a long-rem).	Mana Whenua uaratanga heluta	Huanga/environmental outcomes The Warnischmats River mouth and foresthore Scoestal are makings lead stock.* At mobilings list alike these fish and macroinvenerbuses are present: length ruse, shortifusines, skippit, skiphit, and palus. At makings list alikes drive plant species are present karenga and plants for oversity and hodiling. Makings kai spoods are lively in good condition, one cheene and attending increase utilities aging a marel to harves, and earlier or ruse, and are plantiful anough for long-term harves including for manunational conscribes manuschaturgs. Maria Whorisia are abotic terminal decisions around the harvest of makings kind and care. 1. Access makings kai stess and species. 2. Inametri smoothedge abour preparation, storage and cooking of kai shough versarings and other means of communication. 3. Dovolog mossaces like in that is operated speciation and confidenting in modulate as not all commonate clining inholic excellenting in modulate as not all commonate clining inholic excellenting in modulate as not all commonate clining inholic excellenting in modulate the one all commonate clining inholic as the most appropriate inner of the system. 5. Exercise customary practices to the extern desked. The varies conditioning level, and habits in this was and its condition. 2. A make and this conditionation design proud in the good like banded follows, dearly gladiate, grant kideps, looking, storage in likeps, bright foulds, glant kideps, looking, storage kideps, bright foulds, glant kideps, looking, storage kideps, bright founds and phothitum, and	Timeframes Modium tern Short term
Mana Whexua urattangu values Te nuti o te Wai (akundanco of water) To Mana Whakahasero on ga awa fu tuta ang	Rusings/environmental outcomes These is sufficient web repainted and flow levels in the axive so that: I. There is connectively between the matilitations of his handwained and altriviously seemal is represented to the handwained and altriviously seemal is represented to the surface of the handwained and altriviously seemal is represented in attack the surface of the support of the system. 3. Many Whitmas can procedure outlined immension and other traditional and modern outlined uses a screen dor, including distinfused and modern outlined uses a screen dor, including distinfused in the surface of	Timeframes Modium form Short form, woospe for re-naturalising the away (then, which is a long-rem).	Mana Whenua uaratanga heluta	Huanga/environmental outcomes The Weinsconnata flivor mouth and boodhore (coestad are makings lost attes.) At makings bistakes these field and macroimensibuses are present. Longfin runs, dendificious, kidenty and plains. At makings kai stose drives plant species are present kerenge and plaints for verviring and hostings, which is present kerenge and plaints for verviring and hostings. Mattings kai spocks are lovely, in good conditions, are devices and abstending necessal life segaps, a mediate between, and early or accessed and assignment and and plaints and september of the segaps. Mattar Whomas are also to reviside document around the harvest of mattings kai and and cars. 1. Access makings kai and species. 2. Inside for more hostings and other means of communication. 3. Develop more hostings had other means of communication and overdefung that includes a born and communication and overdefung that includes a born and communication and antition may appropriate intended as both on all commonication of particular activities. 4. Preside consortings predictive to the vetter included. 5. Lessies consortings practices to the extent deviced. 5. Lessies consortings practices to the extent deviced. 6. A make and throatened independent buggin including forus, deviced guidance, starting strong for the greatened advantage and shorting forus and shorting runs, and altered from a guidance, starting through a development of the gibbs. 6. A make and throatened independent from poods like benefit de kloses, deart by gibbs and add before runs, and	Timeframes Modium tern Short term
Mana Whenua userstanga/values Ten un o te Wai (alcundance of weter) To Mana Whakahaera o ngà awa ki uta ta ki ta (asaka uta usaka uta uta ta ki ta (asaka uta uta uta uta uta uta uta uta uta ut	Humps/emironmental outcomes Those is sufficient vestor quantity and flow locks in the axes so that: 1. There is connicitively between its malippiana (he haddweined and alti visualistic similar sense) through the latest and the seal. 2. The varies beloof all axes have so different depth alliquer mount to susport the movement of native \$65 species up and down the liver system. 3. Man's Whomas on precision outside immortation and other traditional and modern cultival uses. 4. Engagnish kyouth on an extention flowenthar through the April. 5. All like support of longers problem are careed for, including difficiencing fast. 6. In the result rightness and haddway of the rise its supported —the axes can be colm, but the latest aboved to be risk support. 7. The doke a subcont so that it storps to near morths. 7. The divides a subcont so that it storps to near morths. 7. It is supports an abundant and divises range of equation like including immorbous mentions had into the problem and be both, and indigenous plans. 1. White and supports and divises the great in the problem problem both, and indigenous plans, and the second of variety in the result of latest without creating the like of variety in the vision to drop. 8. Paramoral of management approach is a despotation that Man's Whomas overwell regional countril of downless, apply, mortiest and enforce hadden provides and enforce or better than the problem. 1. In the stating global flood procedure consent is reviewed so that it is chosen. Here is customers.	Timeframes Modium torin Shori Iorna, accopi for re-nousculous grifter the and the and the and god,	Mana Whenua uaratanga heluta	Huanga/environmental outcomes The Warnischmats River mouth and foresthore Scoestal are makings lead stock.* At mobilings list alike these fish and macroinvenerbuses are present: length ruse, shortifusines, skippit, skiphit, and palus. At makings list alikes drive plant species are present karenga and plants for oversity and hodiling. Makings kail proclaim are lively in good condition, one cheened activities and assigned and lively in good condition, one cheened activities and are plantiful anough for long-term haves including for manufactured are liberalized and control in consistent storage. And are plantiful anough for long-term haves including for manufactured in makings kind and care. 1. Access makings kailstes and species. 2. Inameter smoothedge about preparation, storage and cooking of last intough versatings and other means of communication. 3. Dovolog measures like in that in proced against explaintion and executioning in modulate as not all communication and executioning in modulate as not all communication and executioning in modulate as not all communication and according in the modulate as not all communication and according in the control of the process and according to the process according to the process and according to the process	Timeframes Modium tern Short term
Mana Whesua curatangu valies Te nuli o te Wal (abundance of water) Ta Mana. Whakahalerio o water) Whakahalerio o whakahalerio o whakahalerio o water utak is tal custament uta	Numga/environmental outcomes Those is cultivative vastor quantity and flow lovels in this axis so that: Those is concentrally between the matiginum of the haddwareal and also variables sential searches the testing the lovels are the search of the searc	Timeframes Modium form Short term, sooppil for re-naturalising the away (then, which is a long-term goal. Short term	Mana Whenua uaratanga heluta	Huanga/environmental outcomes The Warnischmats River mouth and foresthore Scoestal are makings lead stock.* At mobilings list alike these fish and macroinvenerbuses are present: length ruse, shortifusines, skippit, skiphit, and palus. At makings list alikes drive plant species are present karenga and plants for oversity and hodiling. Makings kail proclaim are lively in good condition, one cheened activities and assigned and lively in good condition, one cheened activities and are plantiful anough for long-term haves including for manufactured are liberalized and control in consistent storage. And are plantiful anough for long-term haves including for manufactured in makings kind and care. 1. Access makings kailstes and species. 2. Inameter smoothedge about preparation, storage and cooking of last intough versatings and other means of communication. 3. Dovolog measures like in that in proced against explaintion and executioning in modulate as not all communication and executioning in modulate as not all communication and executioning in modulate as not all communication and according in the modulate as not all communication and according in the control of the process and according to the process according to the process and according to the process	Timeframes Modium tern Short term
for Mana wheels of the Mana which was a managary wheels for Mana what was a managary which which was a managary who was a manag	Ruanga/environmental outcomes These is unthaborit weter quantity and flow lovels in the axes so that: 1. There is connectively between the matterprise in the axes so that: 1. There is connectively between the matterprise in the headwareal and altiture between serior of the properties of the serior of the system. 3. Mans When use on practice outhrust immension and other matteriors and made on cultitural uses. 4. Regginsh specially can serior into flowers between the hope in Agril. 5. All like suggests of being a species an extended for, including diffiliesting field. 6. The results in significant of the serior of the serior of special properties are on the celebrother between the serior open. 7. The flow is abborted so that is begin to heir more the serior open. 8. These is connectively between the axes and serior open. 8. These of the axes does not dry up during summer months. 9. The best of the axes does not dry up during summer months. 10. Exapports an abundant and diverse range of equals till encluding mandoos a more change in dispension is the reported manufacture and adjustment properties. 11. When up the serior of consent in the resource force with our consent properties. A partners of management approach is adopted on that Mans When underseven in upport account of developing a poly in more call of searcher after that the serior of	Timeframes Modium form Short term, sooppil for re-naturalising the away (then, which is a long-term goal. Short term	Mana Whenua uaratanga heluta	Huanga/environmental outcomes The Warnischmats River mouth and foresthore Scoestal are makings lead stock.* At mobilings list alike these fish and macroinvenerbuses are present: length ruse, shortifusines, skippit, skiphit, and palus. At makings list alikes drive plant species are present karenga and plants for oversity and hodiling. Makings kail proclaim are lively in good condition, one cheened activities and assigned and lively in good condition, one cheened activities and are plantiful anough for long-term haves including for manufactured are liberalized and control in consistent storage. And are plantiful anough for long-term haves including for manufactured in makings kind and care. 1. Access makings kailstes and species. 2. Inameter smoothedge about preparation, storage and cooking of last intough versatings and other means of communication. 3. Dovolog measures like in that in proced against explaintion and executioning in modulate as not all communication and executioning in modulate as not all communication and executioning in modulate as not all communication and according in the modulate as not all communication and according in the control of the process and according to the process according to the process and according to the process	Timeframes Modium tern Short term

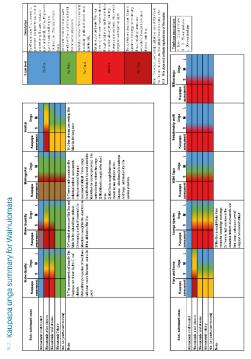
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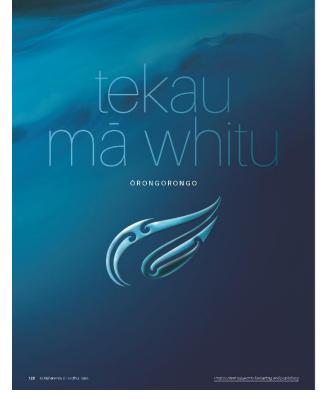
Absolutely Positively **Wellington** City Council

Me Heke Ki Põneke



37 See Schedule H1 and Map 20 of the PNRP. 38 Schedule I 4 and Map 19 of the PNRP.





¹⁷ Ōrongorongo

The Orongorongo Awa is located to the east of the Wellington Harbour and runs almost parallel to the Walnutomata River before entering takutal moana (the sea) on Wellington's south coast.

17.1 Te Whakamārama i Ōrongorongo

Wal Ora - Water that sustains health and wellbeing

Orongorongo is regarded as being in a state of Wai Ora (sustaining health and wellbeing).

The awa is recognised for its ramarkable indigenous ecosystem value, is characterised by high mactorineerablate health and is home to many species that are taonga to Mana Whenous.

The Crorgetoring officer and Big. I last Greek as Well-Meet, both places in which particle was transfer as bringed or the committy disting water as abstracted or the committy disting water asuply. The well-asinch highly values the Meet and in point in citying outing summer. The threefold is point to citying outing summer or committee the certain of the committee of the committe

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le Mahere Walo Te kahur Farac 127

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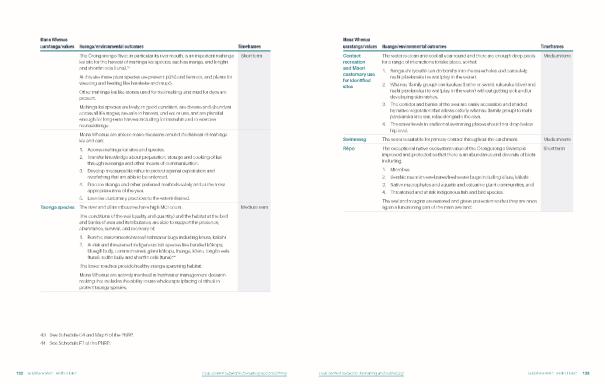
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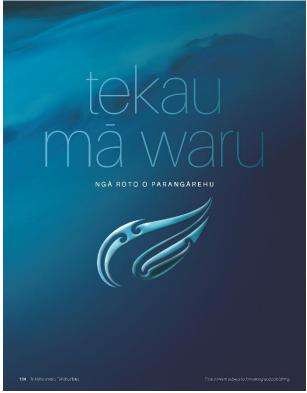


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Geener Wellington Regional Council and Port Nicholson Block Settlement Trus jointly manage it Parangarehu Lakes Alea through a Yopu (slef) or guedfarehig geoup. The invitand or amengement partner Greator Wellington Regional Council have drafted an management plan jointly to support the ecology of the area. These lakes have been described as 'jewels in the crown' of the whaltua and should be prioritised for immediate improvement. The Française Likes not Tongo Nue. Khes to Tammak Webs to Tammak Webs to Tammak Webs to Tammak Webs to Internative Research Seat by test intrough the Treaty Stationers process Seatures of the eighticance for the test denny. The Dakebod its in the over testing of the Input into interness Wishnut while the surrounding land is meraged by regional 18.1 Te Whakamārama i Parangārehu Parangérehu is regarded as being in a state of uncertainty and risk. This is due to the complexity surrounding the management of the lakes and now they can be restored to a state of Wai Ora. Whan a Whenu a leaders of Te Royal Table (the Book) with the duty of caref for Parangérahu have a vision for their taongs which will be further specified through setting of Wai Oranga target states. Gallaris Stream is the primary kuinga (source) of vision ordining Lake (Schangstera and is a place of great booutly and pratino vatora. To managara of eminga the heart-waters of the stream are found in the undisturbed beech forest of the Last bound right. Place sets also may not of the Last bound right refers also forms part of the Last Pour Highland. Park and is managed by regional councit.

¹⁸ Ngā roto o Parangārehu

Park and in Intelligible Upplication Onco.

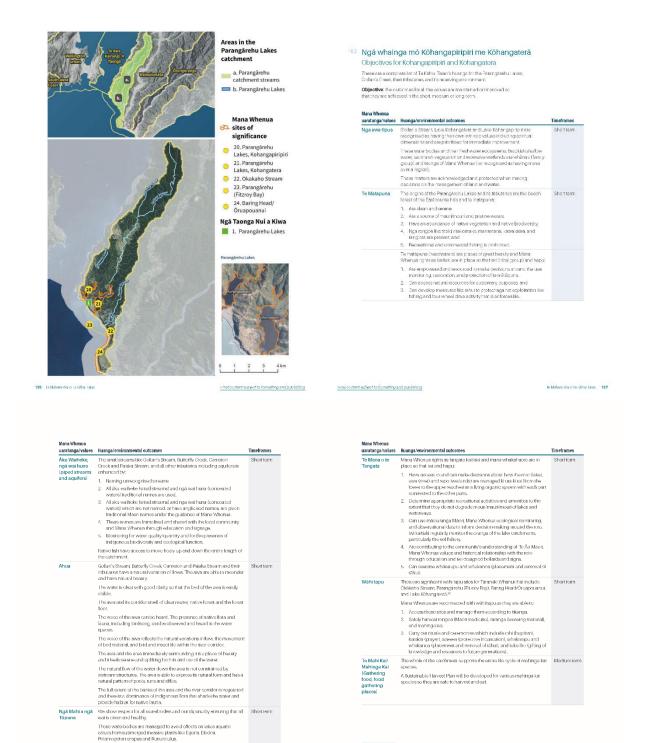
Herocolaty I also Köhningstand van en syspioni (inhery for Tammak Whūmu, Kariska grevinoveree plantes allengelische leidene sich of sollen und en angelische leidene sich of sollen und en angelische Sammer ermorp für oderhand sämtig gegunt verleigt fallseit not enly the leiden but the sees travoltation mit ring sich allen ein in the angelinduck Okladuro Stream, Parangaserin d I torry Beyl. OrusposamintSaring I lead

teating a statute on swalfri whekarite (preparing for an important activity/sernt), a place of intust, and hea a inchness of cultural features that include kotaka read dendicingly/shis feating of shapes and symbols into the bark of fiving trees).

Lake Kohangapiripiriis the smaller of the two Parangarchu Lakos. The land use in the caschment is predominantly indigenous lorest, sorublands and regenerating pastoral lands with significant wetlands to the north of the lake.

Te Michard Walts Te Karul Tates 135

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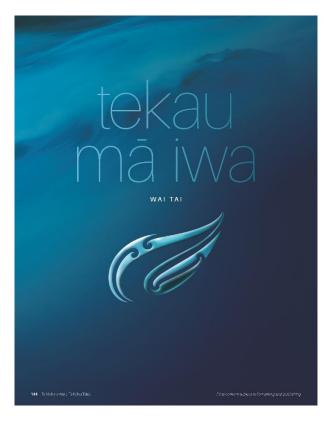
45 See Schedule C4 and Map 6 of the PNRP.

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Mana Whenua			Mana Whenua		
uaratanga/values	Huanga/environmental outcomes There are several making a kai sites in the area including Okakaho	Timeframes foldoium term		Huanga/environmental outcomes The water is clean and safe to interact with, and the river margins are	Timeframes Short term
	Stream Pranquerius (Etrory (Bsy), Ossporamus Branq Hoad, Lake Khanqapping nation (Khanqapian Lake Khanqapping had sises these for individual variations are present long in units shoutiful using mallet, kalawari, and obtiebal. Armahinga kalastas these plant sporice are present karaka, and reupo, and plants to ribading. Mahinga had palastas are lakely, in good condition, and division and abundan across all tills sagas, are salve in braness, and early use, and are present it eventual to other presentations on the salver are presental eventual to did a proposition of the salver are presental eventual to did a proposition of the salver are presental eventual to did a proposition of the are presental eventual to did a proposition of the proposition of the salver and the proposition of the are presental eventual to did a proposition of the proposition of the are presental eventual to did not a proposition of the area of a proposition of			salo and there is space for what are damly group) to: 1. Access and prosent dendinglyphis Garring of shapes and symbols into the bank of living trees including sessioning specific that's and winning a cost-card of off there she including sessioning a profit interface and winning a cost-card of off there she shall be	
	are permitted incomplication of the control of the		Taonga species	 Share intergenerational knowledge and resources with whansu- family group) and membria. The water conclisions, leveks and habitat in the roro, awa tirted; and repo- (weatland) support the presence, abundance, survival and recovery of: 	
	and the continued cycle of life. Mans Whomas are able on revised docusions around the harvest of nothings list and doze. 1. Access mattings licit sites and species. 2. Transile incode log about preparation, stronge and cooking of lost through wearangs and other means of communication. 3. Devolop measured like raths to proteed against exploitation and coefficiently this are able to be effected.	Medium rem		1. Berthium macroin ventulares freel heart bugs including locus, leading. An risk and the sentenced indigenous his spoces transfel belongs, grant bully, grant lookepsu, manger, phaneu, longtin and abordin truths and ordin bully. 3. Indigenous belos that includes till all if AC databalook, peed shorp, black step, unusuadheur bonned domesée and prihabed (AC popil, 4). Successful, and functioning fish pressupes at the ocusen entranses for both lakes allowing turns clouds and other netwee spocies to migrate to.	
	Practice ulkings and preferred methods for harves of kid, purial longed, and purie range (source of medicinal and vessing material). Decreas customary practices to the extent desired.		Repo	and from the Lokes at appropriate times of the year. The vestor quality and health of vectands, which includes the Lake Rohangaron Vectand, Lake Rohangaparpai Vectand of in the East Ruthour Regional Parist and the Fasika Stream Vestiand ⁴⁸ supports a healthy western late assistance and in a second residence of the properties a healthy western late assistance and confidence of the vester is clear and the report overland are functioning as a	Short term
				productive nursery with breeding habitats. The wotland margins are restored and given protection so that they are once again a functioning part of the main welfand.	
ere Walco e Kishul Hak	State aborders to	ubsect to formating and probbing	Prival content subject to formatting	redrobbing.	la Mahere Wato .e.K.
Mana Whenua		ubsect to brocking and prolitoling	i kud sonnest malyes tir finlending	mdnobleže <u>o</u>	ie Mshere Walniek
Mana Whenua uaratanga/values	Nungal environmental outcomes Poople are able to practice to main irratainst and to hi ikis (southood gathering and the theiling) particularly at constals time like the Variancema Colent and Planingarchiu / Erzoy (Bay, These seases support). Finding of species allowed to be scapit and use milk bushwel, lobrar, prius, multimand films. ³⁸ 2. Safe sea filming conditions with good owner clarity, safe access, and		shad septent trappes to transfering	ednahazg I	ie Mahere Volo – e K
uaratanga/values	Buangal environmental outcomes Popular air abid to possible to main imatainal and to hi lab Southood paghicing and the famility plannicularly at occasin storic liburio. Variancemia Costin and Formignichia / Purpor (Arr.). These access support. Finding of species allowed to be expant) and disemble submissed, locking, situs, multivarial films. Safe see third provides may be applied to a set fairly, sele access, and healthy sight provide. The estuance classification of Lake Kohangareni and Lake Kohangapitipit are provides of potestion and estrations on that it is a beautify functioning extra year. In that alvanisations in visit of locking from the shallows to deeper visits is rational. The salaring of laber seles to backship no mature and what week in resultation continues in a lake that is periodically open to the sea. In these are an abundance of sultiments plannish that includes gratifully must be that the search of sultiments plannish that includes gratifully must be accessed and accessed and carefully advantage superior and recovery of the resemble and accessed full independence abundance, survival and recovery of the resemble and accessed in the gration and source of the provides and submission of the search and accessed and the self-independence feets seen that and the provides and accessed and the self-independence feets seen as a notion of the search and accessed and the self-independence feets seen and accessed and accessed provided in additional search and accessed and accessed and the self-independence of the self-independence and accessed and the provided in a search and accessed and accessed and the provided in the self-independence and accessed and accessed and the provided in the self-independence and accessed and accessed and accessed and the provided and accessed and ac	Timeframes	sheet supports to transiting.	ed natricing .	ie Mahemydan - mil
Mana Whenua uaratanga/values To mahi mstaitai	Rungal environmental outcomes Poopla or a blat to practice to make metalast and to hilds doubtood gathoring and his offending particularly at costals attactive to the particular particul	Timefranes Shorttorn	Anal September Bulger Co. Retreating.	end and table to get a control of the control of th	ie Mahemiyon nii.

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¹⁹ Wai Tai

SALT WATER

The Wai Tai FMU is made up of the Korohiwa and Te Ao Pá on the east coast of the harbour, Hue tê Taka on the south coast, Te Tangihanga-a-Kupe (Barrett Reef), Te Moana o Raukawa (Cook Strait) and Te Whanganui-a-Tara (Wellington Harbour), Korohiwa and Te Aro Pá are significant to Taranaki Whánui, valued for being places where mahinga ka is practised, as well as being waka landing sites.

10.1 Te whakamārama i te Wai Tai Describing Wai Tai

A Wal Kino - Contaminated by human waste

Wall fail comprises the Wellington harbour and coastal margins that are assessed as Wall kinc on the Te Cranga Wall Mana Whenus assessment bolt. This is due to the presence of human waste tite. Coal prodominantly from the constant and delibrates discharge of human waste to the coast. This is a critical issue for Mana Whonus along with the impacts these discharges are helying on mahings da, cultural and recreational use. There is currently very little data or understanding of effects.

Within the Induce that there are an increasing number of vesseration confidence are an increasing number of vesseration conflowers and detect discharges of teocal matter of the historial country and properties of the properties

Designethis, the harborur and consists alses are hugely significant to Man Whenun. Huse is lask contributed to a state of the significant size of eight cannot to figure Too Bangaire. It is known as a winh-skide/humant a price of hoding and readoration. Readown Moona is Tangaga Hus Alex for Ngbit Too Bangaire and for Taranski Whitniu.

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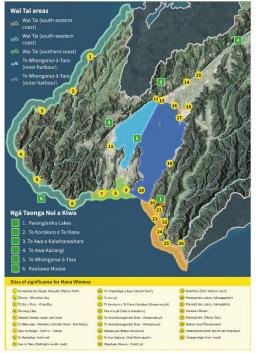
commended with faming interests.

This Monan is Business to of the high best algorithms one to Ngati Troi Beingatto. Multin for deal Teleforms on the Ngati Troi Beingatto. Multin for deal Teleforms on Business the September of the Teleforms of the Ngati Teleforms of the Ngati Teleforms of September 1999, and the Ngati Teleforms of September 1999, and the Ngati Teleforms of September 1999, and the Ngati Teleforms of Teleforms of September 1999, and the Ngati Teleforms of Ngati Telefor

Ta Tanginang e.a.-Kupe (Sorrett's Reef) is significant to both Ngáti Toa Rangetira and Taranak: Whânsi. The site is valued for being with toput a place where whence them by group's re-bib to certy out rituals and caremoniae. It is also a mahinga kei site.

costomorale, it is also emailing as atter. To with agent at Tas it the NABIT good it also up to discour it as large NABIT with a NABIT learning prime and Instruct Martinus and its proportional as in extending parameter with the nabit and in the proportional as in extending parameter and the state of the state. The meant of state and height and the means of the state, the meant of state and height and the means of the state. The meant of state and planta allemproach, dispital, transitive as the state of policy and prime and the state of the state

Te Whangenu le Tara and its tributaries also support mahinga ke plantalike karengo (sea ketuce), as well as rengoë (Waon medicine).



51 The cefnition of with meters is a place of learning and where local knowledge and histories are exched into the landscape.

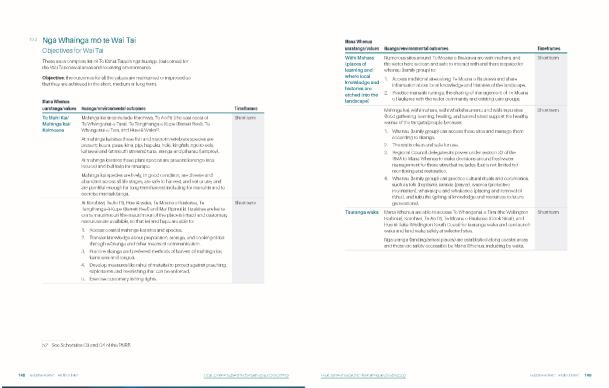
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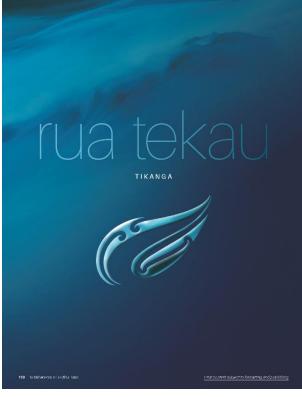
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Tikanga (attributes) are a measurable characteristic (numeric, narrative, or both) that can be used to assess the extent to which a particular value is provided for.

Te Kahuli Talao have identified a complete set of 42 attributes/tikanga for its kaupapa (core) kaupapa values. $^{\otimes}$

For the purposes of setting target attribute states the uaratange (value/values) have been combined under nine core values or kaupapa values, that also help provide the offerla for achieving huanga/ environmental our The table below sets out each of the laubaba and their corresponding tilkenga/attributes target attribute states in the right-hand column are narratives that describe freshwarer states that are pristine or in a state of wai ora.

Kaupapa	Tikanga/attributes	Wai ora target attribute state
Water quality	Sediment oad, suspended.	Minimal impact of suspended sediment on instream brota/stream life.
	Temperature	Water temperature remains below the 20 degrees Cels us threshold, even in the summer months.
	Periphycon	Here blooms reflecting negligible nutrient enrichment and/crasteration of the natural flow regime or habitat.
	Flow	Streem flow is steady with natural variation (pools, runs, riffies),
	E.Col	There is 0% risk of Campy obacter infection.
	Dissolved axygen	No stress caused by low dissolved oxygen on any acuatic organisms that are present.
	Water clarity	The water is clear across the entire away you can see through to the river bod.
	MCI	Macroinvertebrate community, indicative of pristine conditions with no organic pollution or nutrient enrichment.
	Taste, drinkability	I would feed water that comes from this stream to children or kaumétua (elders) without hesitation.
	Fiver bed composition	No mud or sit present along the riverbed across the or tire awa.

53 See clause 3.10 of the NPSFM 2020.

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Kaupapa	Tikanga/attributes	Wai ora target attribute state	Kaupapa	Tikanga/attributes	Wai ora target attribute state
Water quantity	Swimmable	Rangataht (youth) can do bombs without getting sick or hitting the bottom of the ave.	Taonga species (highly valued	Intergenerational knowledge exchange	Maiauranga knowledge and connection is strong and being passed onto younger generations.
	Wadcable	ID:	treasures)	Species presence	There is 100% coverage taonga species present at
	Development of cultural flows	tbd			this site.
Habitat assessment	Rubbish audit	No evidence of waste present across the awa.		Physical health	 I loalth of taonga species are excellent at this site, 09 covered with diseases/paracites.
	Smell	There is no odour present in the water.		Habitat quality	Habitat for taonga species provides remedy.
	Riparian cover	There is riparian everhang cooling the water.			protection, food sources.
		Riparian shade covers the entire awa, Riparian continuation occurring across the 3 zenes; awa (river), awa banks and surrounding land.	Wähi tapu (sacred sites)	Site assessment	Wähi tapu are completely protected and a wähi tapu management plan is in place.
	Fish passage assessment	The passage of fish is maintained, or is improved, by removing instream structures, except where it		Access	Access to with taputs open, Mana Whenua are able to return to site in the future.
		is desirable to prevent the passage of some fish species in order to protect destrod fish species their		Intergenerational knowledge oxchange	Matauranga knowledge and connection are strong These are passed only younger generations.
	Sources of pollution	life stages, or their habitats. All known point sources of pollution have been identified and remedied.	Relationship audit	Development of management plans	A management plan reflecting the Te Mana o Te Wi hierarchy of obligations has been developed and is implemented with Mana Whorus which defines
	Leeling in puku	There is a sense of calm and wairua in this space.			roles in protection, access arrangements and
	Sound The awa can be (past the ripariar	The awa can be heard from a fair distance away, (past the riparian zone). Native birds are loud and can be heard at a distance from the awa.		Resourcing of kalitaki	contains all korero pertaining to the site. Mana Whenua kalilaki are being resourced to do monitoring in the awa. The data is being listened to
	Channel modification	No channel modifications have been made along the awa.			and informs future decision-making regarding the awa.
Flora/fauna	Species absonce/abundance	Pest flora and fauna species are managed to below 10% of species present. There are no willows present along this awa.		Review of resource consents, compliance	A full review of all resource consents within 500m of the rave has been performed, this includes a review of the global flood protection consent for Te Awa Kaltangt.
	Introduced species presence/ abundance	Pesi llora and fauna species are managed to below 10% of species present. There are no willows present along this awa.	Mātaurānga (specialised knowledge)	Place names	Where they exist, all original names of sites, awa. learures and areas will be given precedence. Mana Whenua will develop and implement a naming
Mahinga kai	Intergenerational knowledge exchange	Knowledge around sites, species and ilkanga are abundant and transferred to younger generations.			policy for adoption by local government to ensure the rights to name streams and other sites.
	Harvest potential	There is a possibility to harvest sustainably twice a year for ceremonies.		Sound (Te Heo Mācri, karakia) (Macri language and rituals)	Te recime one tikanga (Máori language and its associated arts) are present at this site. Te rec Maori
	Health of mahinga kai	Mahinga kai arc hoalthy, froc of disease and regenerating. Habital for mahinga kal provides remedy, projection, food sources.		and the second s	is heard, through karakia and keware (incantations, o prayers, and speech).
	Species presence/ abundance	Five or more mahinga kai species present.		Sites of significance	All sites of significance have been identified and stories are recorded and shared.
	Safe to eat	I would feed feed that comes from this stream to children or kaumatua (elders) without hesitation.		Community education	ttd



²¹ Te Oranga Wai

Ngā whāinga tū āhutanga Wai

Target attribute states

Te Cranga Wall is a unique indigenous assessment model developed by Te Kähul Taiao for setting target attribute states for each of the kaupapa values relating to key sites and FMUs. The framework for setting target attribute states is contained in clause 3.11 of the NFSM 2023 and these targets are improved in the proportion of the

In Oranja Wall measures the wellbeing of water and water bodies through a Mana Whinnua lone, lie purpose is to support Mana Whonua in frashwater management docision making by identifying current states for wai (water) and setting an aspirational state of Improvement within a near-settineal invalidation.

within a generational insolution.

To Cennya Weit is a measure that divise Wans.

When we condition to the health and wellbeing of their wearveys. This confidence attributes the management of their wearveys. This confidence attributes to make the management of their and wellbeing the place of their wearveys. The confidence is blood incrededing the management will be the received and their experiment commonline with a like. This measure of the Board and the confidence is the second of their place of their place. The confidence and their place although a place of their place.

To Otenga Weilincludes a rating system that describes the different states of attributes, from War or a feminar which gines [lie], through to Weilinare (water which cannot sussain [lie]). Through this framework Mana Whenua can assess the

uses in a superior and a venerous or a sea of hange for a site or waterbody based on Mana Whomas aspirations, values, mecmosod and using a fervironmental outcomed. A series if regular ory and non-regulatery methods on a usuald recommendational can have be cloped to make improvements within an pypoprioral unification.

the same timeframes that are used for Mana whenus nga husega foutcomes). In cases where the larger attribute state has already been achieved, the state will be maintained, ather than improved.

It is noted that there is no minimum acceptable level for human E. coli. For that reason, To Changa Van full assess varier as Wai Kino where there is a known or measurable level of human waste.

Trunsari visase.

To Dranga Wai is not yet complete and it is recommended that GWRC continues to work with Mana Whomas to articulate traiget autitudus easies for each of the Gokewing FAULS' Southwess Cons., Crongurenge, Parangrienhu Lakes and Wai Tal. This has been organized as recommendation in the Ngã Taunaki chapier.

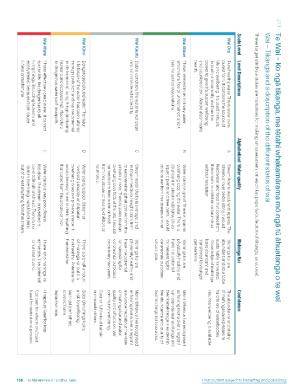
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To Michard Wells To Karul Teles 168

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Appendix 1 Kuputaka GLOSSARY

araara tevally

ahua neural careator
aku wahke and la seems
aua pelkoweye imuler
awa row oraseem
awa upuu anasee mwaha liwo dhano osooont from common anoesto
hapu goope
hapuka goope
habuka joper
habika jofah with aira
hiiua orasee mwaha liwo dhano osooont from common anoesto
hiiua cometime te mahi hiiua jofah with aira
hinapouri god
hinapouri too cath de do
inanga without
will attiaki plans to belg juung paardenship plans
katitaki jawahana katikaki geshower musesi
katikaki geshower musesi
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Te Mahere Wallo Te Kahul Talac 16

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ngöiro eels ngutu awa noa nohoanga conger cols river mouth everyday, free for use, free of tapu (not secred) ambassadors for water te mātāpuna overyday, free for use, free of tape camp pine inse adults the element of swith flounder busky/skelikes language major now year belly ritual prohibition/closed season youth chiefly autonomy workand anguy baptism ancestral indicators tõhu tüpuna stormwater discharge ancient phonomona eels paketo-A-nuku pabeto-A-nuku pabeto-A-nuku pabeto pabeto pabeto pabeto piharau puanga/matariki puku rahui rangatihi rangatihi rangatikatanga repo rukuruku rukuruku nuanga eels banded dottorals vollassivatives traget processive incentation cultural stee places with significant history sacret places significant ancount place incharacterist place in the place angry flood protection practice flood protection practice group dating guest'express duties of a host adolescent/young adulis traditional area const the sea conceited orders where substituting the substituting the substitution of the substitut wai kautu wai matua o tüäpapa wai mäori wai mate wai matua o tüäpapa wai ora ruranga talohi talohi
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taonga species
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taunaki Witgh water state used for healing and ituals wat ora pratine votes, water unless for healing watercourses.
No gaing water for mountains to sea causing or cannot consumpt to the construction of the constru the seal childrenhildren annosator of temperature discontinuation annosator of temperature annosator of temperature annosator of vester element water rakes resource for the resource freezing annosation freezing annosation (annosation freezing annosation) annosation freezing annosation freezing annosation freezing annosation freezing annosation freezing annosation freezing aground watora mail uta ki tai waka waka ama wananga wai paruparu whakapapa-based whakanoa whakanite whakatapu whakatapu whakatapu whakatapu whakatapu taunga ika te hao ika te hopo tuna te ira tangata fishing ground cleansing development family group whanaketanga Heal content subject to formatting and publishing

Te C Asse)ranga V essment	Te Oranga Wai Framework Assessments for Te Mahere Wai Inspessorents remained to have all the substitute of the found of th	rk ere Wai inputotothoriungala wh	ema and local katiaki
Te Orang	a Wai Assessmen	Te Oranga Wai Assessment for Te Awa Kairangi		
Kaupapa	Ähuatanga	Tünga Ähuatanga Whāinga mō Te Wai Ora	Aromatawai ā-kaupapa arowhānui	Ngā tikanga o Te Mana Whenua
	Attribute	Wai Ora Target Attribute State	Overall current kaupapa assessment	Mana Whenua tikanga
Water Quality	Tasse, drinkelbility	I would feed water that cornes from this stream to children or kaumātua without hesitation.	Wai Mizori	Wai Maori entire length (medium term)
	River bad composition	No muid or sili preseni along the riverbed across the entirezwa.	Not assessed	
Water Quantity	Swimmablo	Rangatahi can do bomba without getting sick or hiring the bottom of the awa	Waikauto	Wai Maori at swimming holes (medium term)
	Dovolop assessment of wadable awarthrough cultural framework	ISI	Weikautu	
	Development of cultural flows	Develop cultural termowork tor water allocation for all of the whattan small streams and large these are not environmental flows).	Wai mate	Watora (short term)
Mahinga kai	Kõrero rukurho	Knowledge around sites, species and tikenge are abundant and transferred to younger generations.	Walkino	Watera (short tem)
		There is a possibility to harvest sustainably	Warkauro	Wat Māon (medium kirm)

Kaupapa	Ähustangs	Tūnga Āhuatanga Whāinga mō Te Wai Ora	Aromatawai ā-kaupapa arowhānui	Ngā tikanga o Te Mana Whenua	Rârangi Wâ e Tufuki ai Te Wai Ora
	Attribute	Wai Ora Target Attribute State	Overall current kaupapa assessment	Mana Whenua tikanga	Timeframe to reach Wai Ora
	Health of mahinga kai	Mahinga kai are healdty, fee of disease and regenerating. I lattest for mahinga kai provides remedy, protection, food sources.	Waikautü Wai ora above reservoir Tor vertorices, tuna and hemkoko.	Wai Mari mediumerim Long term Mairrian pristino aroas	Long term
	Species presence/ abundance	I lee or more matringa kal species present.	Waikautu	Wal Maori (medium torm), some uncertainty botween medium and short term.	Long term
	Kai safo to cat	I would text food that comos from this stream to children of kaumatua without healtaiton.	Ac, above reservoir. Bolow, kaua.	Improve Wai Maori (medium term)	Long term
Habitat assessment	Rubbish audit	No cyldonop of wasto present across the awa.	Waikautu	Waiora	Shorttorm
	Sirval	Here is no octour present in the varies.	Wai ora inte matapune the headwaters). Wai kauto main stem. Wai Mase in essuony and Wai Wai Mase in essuony and Wai wheti Stream.	Mairtein. Vési Maon (long term)	Shorttern
	Riparkan covesi	There is triparien overhang cooling the wave. Reparate shade covereithe entire awa. Reparen continuation occurring access the 3 cones gives awa tentile and surrounding land.	Main siem is Wai kauto	Wat Maon (short term)	Long term kahikatea
	Pish presuge assusement	The peasage of lish is manuarinal, or is inspressed, sy emoval of instruction structures, except where is edestroble to present the passage of some fell shapedes in order to protect destreed fish species, thorr life stages or their habitests.	Walkouto	Audii shorii term, remedisition all simotures (medituri term)	Meldum lorm

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		Flora/Fauna							adadam	Danner Mile of Tables	ai Te Wai Ora	Timeframe to reach Wai Ora	Medium term	mem.	me	Meldumtem	lom	Modiumtorm	torm	term	torm	
Introduced species presence/abundance		Species presence/absence	CHRITICALIDA	Change to addition to	Sounds	leeling in puku	acutass of Franciscon	Allibura	A Common go				Wai Māni (mediumterm) - Medis	Wai Maori (medium term) Long term	Wai Mauri (short term) — Long term	Wai Maori (medium term) - Meldi	West Macer (short term) Short term		Wei ora (short cmi) Short cem	Wei ora finimadiately) Shorterm	Wei ora (shorttern) Shorttern	
			away, (pusi the fips are loud and can be areay from the awa.	away, speet the ripal are loud and can be away from the awa.	Tho awa co	There is a s walnua in th	been id ent include mo	Attribute State	mô Te Wai Ora	Mail					WeitMaon	Wei Mäor	West Mator	Top and not accessible. Well Maon (short term) bottom is accessible but modified.	Watorafs	Weiorafi	Weioraß	
Pest flora and fauna species are managed to below 10% of species present. There are no willows present along this awa.	Rativo launa spodios cover 100% of tho well.	Native flora species cover 100% of the wal.	in a week wat the reparation and a fatter that shall we away, (post the reparation variet). Native blacks are loud and can be heard from a distance away from the awa.	away, specific inparan zono). Nativo birds are loud and can be heard from a distance away from the awa.	The awa can be heard form a fair distance	There is a sense of calmand a feeling of warus in the surrounding area.	Authorn park sources of pounton have been identified and lemedied. Discharges include mortuary waste.	ate	mö Te Wai Ora	and the state of t	arovhānui		an Waikino-notenough per people to give effect to this.		Walkauld	Warkino	ida Walkino	Top and not aco bottom is access modified.		Walkino Walkino	ood Walking	Ť
anaged Walkautū here are		thewal. Walkauti	saturac volumbo se birds Palow Maoribankii is Istanoe wai mate.		calchment. Istanoc Walkino in parts		thinges and unconsented wastewater discharges. Walking main stom.		arowhānui	Timoso Shamban and Hibbilia an	mō Te Wai Ora	Wai Ora Target Attribute State	Mätauranga knowledge and cormection is strong and being passed onto younger generations.	There is 100% of vacings species present across the FMU.	Health of nonga species are excellent across this LMU, 0% covered with diseasos/parasites.	Habitat for taonga species provides remedy, protection, food sources.	Wahi tapu are completely protected and a Walking wahi lapu management plan is in place.	Wahi tapu are accessifile by mana whentar.	Matauranga knowledge and connection are strong. These are passed onto younger generations.	A management plan reflecting le Mana o to Wall herarchy has been developed and is implemented with mana whenus which defines roces in protection, access	arrangoments and centains all kerere- portaining the site. Mailling whentua katitaki are baing resourced. Wallking	to do monitoring in the river. The data is being listened to and informs future decision-making reparding the river. They
Wal Māori short term (particularly with planning projects).		Wei Maort, plants and rongod in the short term	(medium ism) (medium ism) Wai Maori, holistic river management long term.	Discoving to a consequence of	Vál Maori (medium term) Long term	Wallora upsteam, Strong Wall Mapri (medium remit) Long team spiritual connection. Wall known fower and of	n wai Maori unegrium semb. Removel point source es, discharges immediately.						Körero tuku iho Matauranga is strong and generations.	Species presence Therei	Physical health Health across disease	Habian quality Habital Fernad	Sile assessment Wahite wahite		Kororo tukulho Matau arostro gonora	Development of American PM on PM analysis on PM analysis on PM and is send in send is send in send is send in	arrang ponain Besourcing of kaitiaki Manay	
Shortern			- Conf.	- Donat Laboratoria	i) Longtorm	t) Long term	i wedulintelini	reach Wai Ora	ai Te Wai Ora	Name of the second of the seco			Taonga Körero species	Species	Physica	Habita	Wahi tapu Sile ass	Access	Kororo	Relationship Develo audit manag	Incessel	
							Me	ı			:2		1)ra								
			Education	Situs	Sour		Matauranga Place	Attious	Andrew Services		Rārangi Wā e Tutuki	al Te Wai Ora Timeframe to	reach Wai Ora Rărangi Vită e	Timeframe to	Longterm	2				Shorttern	Shorttorm	Long torm
				Sites of significance have I been identified	Sound (to roo Maori, 1 karakia) s	****	consents compliance in Place names 9				Ngā tikanga o Te	Mana Whenua Mana Whenua	tikanga Nga tikanga o Te	Mana Mhenua Mana Mhenua tikanga	Wai Māori mai uta kitai (long-terni).	P				Wai ora (short term)	Wai ora (short torm)	Wei Maori (modium torm) Long torm
			recommendation states where appropriate, leaf and regional council work together to resource and develop an origining education and communication campaign.	and kororo. Signago, apps, uso technology. All sites of significance have been identified by mana whenus and stories are	To roo me ona tikanga aro presont at this sto. To roo Maori is hoard, through karakia	Maria whorus will devotop and implement the naming policy for adoption by local government to ensure the rights to name streams and other sites.	A full review of all discribings and water ower verificing resource consents is performed. Where they exist, all original names of sites. Wall knows, leatures and areas will be pitchlefjed.	Attribute State	mô Te Wai Ora		ā-kaupapa	arovrhänui Overall current	kaupapa assessment Aromatawai ā-kaupapa		Walkino	Waikino				Waimate	Walkino	Walkino
						ind implement on by local phis to name	names of steet, was read with the control of steet.		o ee c				am5 Te Wai Ora	ate	Hthoutgetting fithe awa		ow it upstream tamariki_froe of	cod?), variability,	for the kwer waka	k for water flue small re no!	0	vost sustainably s.
			Waikautū	Waikautu	Waikino		alkino	kaupapa assessment	aroxhānui	r Waiwhetu	Tünga Ähuatanga Whāinga	mõ Te Wai Ora Wai Ora Target	Attribute State Tünga Ahuatanga Whainga mö Te	Wal Ora Target Attribute State	Rangarahi can do bombs without getting sick or hitting the bottom of the awa	F.	Noting korero. We can follow it upstream navigable by welling, with tamanic_free of national algorithms and appropriate the control of the co	nazioni, vonengiaro genorgenia mi oroni. Depah fred band on gumboord), varability, stes of importance.	Luranga waka navigalality for the kover reach? Warwhoti housed waka	Develop cultural framework for water allocation for all of the whatus small streams and large these are not environmental flows;	Knowledge around sites, species and IKanga are abundent and transferred to youngest generations.	Thoro is a possibility to harvost sustainably twice a year for occuronies.
			Wei Mäori (short term)	Wai ora (short term)	Waiora (shorttorn)		Wal ora (short tern)	tikanga	Mana Whenua	Te Oranga Wai Assessment for Waliwhetti	a Túng					Develop assessment of Tbd		Ster Deg	lur	Development of Development of allocultural flows sites sites	Kororo tukurho Kho Ilikar	Harvost potoritial The
			3							//ai /	Åhuatanga	Attribute	Ahuatanga	Attribute	Swirrmable	doleve	adable utural tr.			velopr tural fi	int out	150/
			rm) Medium term	Shorterm	Shortterm		Shorterm	reach Wai Ora	ai Te Wai Ora	randa	Kaupapa Ah	Att	Kaupapa At		Water S Quality/		duantity %			13 3	Mahinga kai Kon	Han

Absolutely Positively **Wellington** City Council Me Heke Ki Pōneke

		Habitat assessment					Kaupapa	Rārangi Wā e Tutuki ai Te Wai Ora	erto Ora	_	uu	me	e	E
Ripar	Smell		<u> </u>	Spec	Healt	Attribute	Ahuatanga	Rārangi Wā e ai Te Wai Ora	Timeframe to reach Wai Ora		Medium	Mediumiem	Long term	I ong lerm
Riportion covered The vera services and services some services services and services services services and services serv		Rultbishaudii No the	Kai safo to oat I w str ho	W004	€.			Ngë tikanga o Te Mana Whenira	Mana Whenua tikanga	Audit short term remediation all structures (short term)	Vesi Moor Insolumiarmi. Modurni term Remonda porti a suoro destringo ministrational. New Circo Ministra gand pertinding thoreoffers, good pertinding the page. Reput movement of poogle pertinding the highest pertinding the highest should get highest where the pertinding of the pertinding of the pertinding of high destring a non-seame.	Continue to enhance the arashus	Wai Moort (medium serm)	Wai Mand, holistic river management long term.
There is about an overhaing cooling the water. Ripation should occess the enute awar lispation continuation occurring across the 3 zones fave awarbanks and surrounding land).	There is no odour present in the vater	No seldence of wase present a cross the avec.	I would field food that comes from this stream to children or learmatua without hositation.	Rve or more mathinga kal species present.	Mahinga kai are healthy, free of disease and regenerating. Habitat for mahinga kai provides remedy, protection, food sources	Wai Ora Target Attribute State	Tünga Ahustanga Whäinga mõ Te Wai Ora	Aromstawai ā-kaupspa	Overall current kaupapa assesment		Wainratic and concommend waskening or deshing an laptu and near are not currently separated currently separated	Velamicont	Waikauro	Walkino.
ling the ne entire surring panks and	s vansr.	across	omthis a without	ies present	f disease nahinga kai ood sources.					wd, cr ream estrable to sh species, species, s.	Union have	feeling of	air distance Native blicks in a distance	air distance Native bilds in a distance
Hain siem is Wai kaulû	WaliMate in Waliwhetti Stream.	Warkourd	Waikino	Waikautū	Waikino	Overall current kaupapa assessment	Arometewai ā-kaupapa arowhānui	Tinga Āhustanga Whāinga mā Ta Wai Ora	Wai Ora Target Attribute State	The passage of field is maintained, or its intervent is intervent. Experiment of instruent secret to prove it is developed to prove in the passage of some lish structure, norder or proved classification of the first instruction. The first instruction of the province of secret of secret is structured from spring or their instruction.	Al known part soutobe of pollurant have been detrified for develoal. Four floridatings welder incruing wester and bond profileds.	There is a sense of calm and a feeling of wairus in the surrounding area.	The awa con be heard from a fair distance away, fosts the tiperian zonei. Native birds are loud and can be heard from a distance away from the awa.	The awa can be heard from a fail distance away, spisit the lipanian cone). Marke blids are loud and can be heard from a distance away from the awa.
Wall Maor (shorrern)	Maintain headwater bush Wat Maart dong remit	Walera	Improve Wai Maori (modium term) Is a rähul relevant to ratee i he awareness and proveide protection?	Wat Maori (medium torm), some uncortainty between medium and short term.	Wai Māori (medium term) Maintain pristino arcas	Mana Whenua tikanga	Ngā tikanga o Te Mana Whenua	Ahuatanga Tü		H the presence assessment H is is in the presence of the prese	Sources of polyhiten All	Feeling in puku. The		Channel modification The average and are averaged and a second a second and a second a second and a second an
Longieim	Shortem	Shorrem	Long term	Long term	Long term	Timeframe to reach Wai Ora	Rărangi Wă e Tutuki ai Te Wai Ora		Attribute	1481	sinos	Fee	Sounds	Chan
						12 6	e Tutuki a	Kaupapa						

Attribute

Tunga Ähuatang mö Te Wai Ora Wai Ora Target Attribute State

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						Matauranga			Kaupapa		Rârangi Wâ e Tutuki ai Te Wai Ora	Timeframe to reach Wai Ora	Longterm	Long term		roug seun		Long term	Shortenn
		Education	Stes of significance have been identified	Sound (te reo Maort karakea)		Macenames	Review of resource consents compliance	Attribute	Ähustangs		,ep	euna	of flong term)	Wai Maori (long term) Lo		um term) rigiterm		Wei Maori flong termi Los	Wei ora fahort termi Shv
		lwiand regic to resource a education ar			the naming p government streams and	Where they a awa, featured Mana whont	A full review resource con	Wai Ora Target Attribute State	Tünga Ähuatar mõ Te Wai Ora	rban				Waliklar		except vali idaori at simming holes (medi u. Vali Maori lo for atteams	vana s to all s Depths ton.		Weiora
		leti and regional council work together to resource and develop an origining education and communication campaign.	All sites of significance have been identified by mana whenua and stories are recorded and shared where appropriate.	To no me ona ilianga are prosent ai this site, To iso Macris heard, through lorako and koraro, Signage, apps, use actinology.	the naming policy for adoption by local government to ensure the rights to name streams and other sites.	Where they exist, all original names of sies, away, features and areas will be primileged. Mana whomus will dovolop and imploment.	A full review of all discharge and watertake resource consents is performed.	* ×	Tūnga Āhustanga Whāinga mó Te Wai Ora	d Wellington U	Aromatawai ā-kaupapa arowhānui	Overall current kaupapa assessment		his Walmate our			acceptable to more whema. Applies to all customary uses. Depths and contemination.	Weilmote Coastal symming sites wal kino	Walmate
		er Walkould eign.	Waikauid esare are.		all to communicate to morning, whateapapas and history of waterhaul		ertake Waikino	Overall current kaupapa assessment	Aromstawai ā-kaupspa arowhānui	Te Oranga Wai assessment for Kaiwharawhara and Wellington Urban	Tūnga Āhuatanga Whāinga mō Te Wai Ora	arget State	There is 0% tisk of Campylobaraer infection.	I would feed water that comes from this stream to children or knumatua without hisatation.	No mud or slit present along the riverbad across the ordire awa.	i singular can do borne without getting sick or hiting the bottom of the wai			Develop cultural framework for water allocation for all of the whatus small streams and large these are not assistantial it such
		жы ма	Walora			Wal ora Knowek	Wai ora	Mana Whenua tikanga	pa Ngŝtikangs o Te Mana Whenua	ent for Ka	Tünga Ähuatan mõ Te Wai Ora	Wai Ora Target Attribute State	There is infection	I would! stream h		sick or h		<u> </u>	Develop
		Wall Maan (short rerm)	Wal ora ishori temvi	Wátora (shori lerm)	this shared drought to allow agencies to communicate this, signage etc.	Wat ora (short term) Knoweldge will there for means when me - have	Wai ora immediately	enua		'ai assessm	Āhuatanga	rute	2	laste, drinkability	River bad composition	E SACRETION OF THE SACR		Develop assessment of wedable awa through cultural framework	Development of cultural flows
		Mediumierm	Shortterm	Short term		Shorrem	Shortterm	Timeframe to reach Wai Ora	Rārangi Wā e Tutuki ai Te Wai Ora		Kaupapa Āhua	Attribute	Water Quality E coli	DSB		quantity		Deve	Deve
9000	Habitat						Mah	l	Kaupapa	tuici 3.		1							
Smoll	<u> </u>		\$	8 8	3 E	Ŧ	Mahinga kai Ko	Att		Rārangi Wā e Tufuki e To uksi Ose	Timeframe to	reach Wai Ora Medium term		ong term		Modiumtorm	Long term	Long term	
3	Rubbishaudii		Kai safo to cat	abundence	Healih of mahinga kai	Harvest potential	Kõrerotukuiho	Attribute	Ähuatanga	Ngë tikanga o Te	enna	tikanga Wai ora finedium temil		Audit short form (verticina). I cing term remediation structures. Imedium term visit oral, consolitation of consolitation.	kautu, kong tormi	Wei Maori flong tormi. Romovel point source discharces immediately.	čai Macri (modium term)	Vei Maon (short torm)	
		I ROBINITION L	I would food food that oomo stream to children or kaumat hostining	ris (Alliani Pira)		There is a possibility to harve twice a year for coromonios.	Knowledge around sites, spa tikanga are abundant and tra	Wai Ora Target Attribute State	Tünga Ähuatanga Whāinga mō Ta Wai Ora	Aromstawai ā-kaupapa		- 1					Wai our upsteam. Strong, Wei Mani (modium sum) sprintual connection. Wai known levers end of carciment.		
		MAGNITUCI L.	I would food food that comes from this stream to children or kaumatua without historium	The confidence of second Street Second Secon		There is a possibility to harvest sustainably twice a year for coordinate.	Knowledge around sites, species and tikanga are abundant and transferred to	Wai Ora Target Attribute State	Tűnga Áhuatanga Whāinga mő Ta Wal Ora	Aromatawai ā-kaupapa		kaupapa assessment WatMäcri	Kaircharavhara, Karot L Owhite, Lastbourne. Warmaphi and othor stroams are Wai Maort. Piped streams, wai mate.	Valkino Source to sea, assessments presence	and absence, a lot of fish that would be there are not in the upper	reaches. Waimato		Wai Maori.	
		Walman shallish. Walman shallish. Wal Moot for list at coastal sites.		Province in the light set species present. Province an examply countil above. Uncompile the province and although the countil above. Uncompile the although the countil although the province (province).	Mahnga kai are healthy, free of disease and regenerating. Beltan for mahinga kei provides remedy, prosedien, food sources.	There is a possibility to harvest sustainably. Walmate twice a year for consmonles.	Growledge around sites, spacées and Waikino tikanga are aboundant and transferred to	Wai Ora Terget Overall current Attribute State kaupapa assessment	Tingas Atuurkanga Whikinga Aconstiteveki ik-kaupapa noi 10 Wei Ora aroohiknul	iga Whàinga	Overall current	kaupapa assessment WatMäcri	Kaircharavhara, Karot L Owhite, Lastbourne. Warmaphi and othor stroams are Wai Maort. Piped streams, wai mate.	Valkino Source to sea, assessments presence	and absence, a lot of fish that would be there are not in the upper	reaches. Waimato		Wai Maori.	
unsere. There is no oddur presen in he vaner. Walkno sinsarre Wallinderel estuary	No evidence of waste present a cross	,			Kähngo kai are healthy, toe oli disease Valikautū presence, autolegiene aringul, laldaet for malinga kal produktier remody, prabatelor, food vouces.	est sustainably		Overall current kaupapa assessment		Tings Arustangs Whäings	Wai Ora Target Overall current	Attribute State kaupape assessment There is riparran overhang cooding the War Mäcori	week, figulan balako-oxen be entre e Sakharan Fantar Band, asse Uperlan rodin usukoro oxuning Osehing Laktoure, anaras his 3 orasi (bes. Jaels binisand). Vanimapih and ottor surro infoglandi. Ripid Sakharan Parisan Parisa	The passage of list its maintained, or Vali kno is improved, by removal of insularin Source to sea, situatines, accept whereast is destroble to assessments presence remaint he was an of a count februarist.		Pacifies All known point sources of pollution have. Waimate boom denial and monaded. Disaharges mediacs mentan waste.	There is a sorse of calmand a fooling of vertue in the surrounding area.	The awar can be heard kern a lar distance. Wall Macin. awar, (post the reporan zone), father bites are bush and anits heaved from a distance twention the awa.	
There is no orbor present in the varies.	No exitence of waste present across—Walkouto the awa	,	Wai mate estuary/ constal/main stem	Wai Main a sa uary/ Wai Main a sa uary/ costal sitos Uncettalinty around altundance and recruitment (prenties)	Mahinga karan-hadihy, had ol disasar — Wal kauri presenca. — Wal Main Borg samil and segere are up i labate for mahinga kal provides remoky, presenciar, food seurosa.	ssisusiainably Waimans	Waikino	Overall current kaupapa assessment	Aromatevoi ā-kaupapa arovhānui	iga Whàinga	Overall current	kaupapa assessment WatMäcri	week, figulan balako-oxen be entre e Sakharan Fantar Band, asse Uperlan rodin usukoro oxuning Osehing Laktoure, anaras his 3 orasi (bes. Jaels binisand). Vanimapih and ottor surro infoglandi. Ripid Sakharan Parisan Parisa	Valkino Source to sea, assessments presence	and absence, a lot of fish that would be there are not in the upper	reaches. Waimato		Wai Maori.	

Me Heke Ki Põneke

	Taonga species					Flora/Fauna			Каирере	Rārangi Wā e Tufuki	ai Te Wai Ora Timeframe to	Vai Ora		IIIIo	EII-	me	ume	Val			EII-		mtem	
Species presence	Koreo iukulho	Introduced species presence/abundance					Channel modification	Attribute	Ähuatanga			oftberni		Wai Maori (medium term) Long term	Wai Maori Ishort semi Short term	Wat Man (short term) I ong term	criemi Shortem	Michigan (Monte Calenda) Obcost Lower			ortemi Shortem		Wei Mäori immediately Medium term	
There is across if	Malauranga is surong and generations.			Notive is the wai.		sence Nativelli		Wai Ora Target Attribute State	Tünga Ähustar mõ Te Wai Ors	pa Ngátikanga o Te				WaiMaori	Wei Maori	WellMoon	Watera (shor tem)	Manage from	acel Crist girl		Welora (short temi)		WeiMaorii	
There is 100% of Lacinga species present across the FMU.	Minauranga knowledge and connection is strong and being passed onto younger generations.	Peal flota and fauna species are managed to below 10% of species present. There are no wilkows present along this awa;		Native fauna species cover 100% of tho wai.		Species ризвипантивался - Native Ilous species сочет 100% of the wat	The aver can be heard form a lia distance away (past the ripanien zone), flative birds are loug spast the ripanien zone). Flative birds are loug spast the heard from a distance away from the awa.	arget State	Tünga Ähuatanga Whäinga mõ Te Wai Ora	Aromatawai ā-kaupapa	arowhānui Overall current			s Walkino	danda Walkino Jace,	WallMisort	action Walking	Accordington		CO-68S	naving Walkino	iwa. The is future a. They	stertake Waikino	
ni Walkaulo	n Walkino noi enough er people to pive effect to this.	ore Weeds blackberry, trout willows	berniers) other parts of the streat.	Coasual areas Wai M8oit. Wai kino (basad on fish	Wai kautu for all other areas.			Overall current kaupapa assessment	Aromatewai ā-kaupapa arowhānui	Tunga Áhustanga Whainga	mō Te Wai Ora Wai Ora Target	Attribute State	across this LMU, 0% covered with diseases/parastes.	Habitet for taonga species provides remedy, protection food sources.	Wahi tapu are completely protected and a wahi tapu management plan is in place.	Wahi tapu are accessible by mana whenta.	Marauranga knowledge and connection	describing, made are proceed with proceed of the process of the pr	o to Wai histrachy has been devoloped and is implemented with mana whenus	which defines roles in protection, aco- arrangoments and contains all kororo- roganisms to see	na Whenua (kvi recognised as I na over a region) kaitaki are bat	resourced to do montaving in the awa. The data is being listened to and informs future decision making regarding the awa. They are decision makers.	A full review of all discharge and watertake. Walking resource consents is performed.	diffe connective representation
Wéil Maon (medium lerm) — Long lerm	Wat Macri (shorr rerm)	Wai Maon short term (particularly with planting projects).	Audit short form fivel ore), remediation structures (medium term wat ore), remediation of pipes tival kautit, kang term)	Coassol areas maintain at Wai Maori	Wai Maori, plants and ronges in the short term for all others.	Wai kauta for coastal	WSD and development, removal of channels, wai kautu finedium term). Managod rotroat orc long term.	Mana Whenua tikanga	Ngë tikanga o Te Mana Whenua	Ahuatanga		health		Habitat quality Hal	Site assessment Wa		Könere tuku iho Ma		management plans our	illy. Britis	Pescurcing of kaitlaki Ma	Tos det dec	leview of resource Afr.	
longierm	Shoil lerm	Shorrern		Longterm	Medium terni others	Long него содяла!	Wai Maori long term.	reach Wai Ora	Rārangi Wā e Tutuki ai Te Wai Ora	Kaupapa Ahua	Attribute	Phys		Habi	Wahi tapu Ste.	Access	KOre		audit man)685(ivei	
							Māta	l	Kaupapa		utuki													
				Lduc	Sites of boon id	Sound (Mātauranga Pacervanes	Attribute	pe Ähuatanga		Rărangi Wă e Tutuki ai Te Wai Dea	Timeframe to	Shorttern		Glore team			Short torm	Shorttorm		Shortterm	Medium term		Wai Maori at swimming (Modium torm holes (modium torm)
				25 24.		- 5	3	"	8		Je Je	E E1										dg ne		swimming m term)
				Education Iv	Sites of significance have A been identified in	Sound (toroo Maort T karaka) si		A S	3 3		Ngā tikanga o Mana Whomia	Mana When										West Maort emire langth (medium term)		Wai Maori at holes freedin
					anco havo			Wai Ora Target Attribute State	Tünga Ähuatanga Whäinga mõ Te Wai Ora		Aromatawai â-kaupapa Ngâ tikanga o Te arwwhānui	ma		Walcha	Make I Relicional	HODA IDA	Walcha	Walkauto	WalMsori	WaiCha	WaitMeori	WalfMoot british (medium term)	Watchs	
				led and regional council work together to resource and develop an ongoing colueation and communication campaign	inco have. All sites of significance have been identified by mans whenus and stories are recorded and shared where appropriate.	To roo me ona tikanga are present at this are. To roo Maon is heard, through leankin and keroro, Sannaga, appa, usa tochnology.	Whele they axis, all criginal names of sites, and, features and areas will be privileged. Maria whereus will develop and implement the naming policy for adoption by focal government to victure his rights to name senants and other sites.		nga Whàinga			topus		s below the 20 Wat Cha even in the			natural variation - Wat Cha		Issolved oxygen - Wal Maori that are present.	ine entire awa. Wai Cha e rhear bad.		WallMboil	ng the rivertood Watchin	Wailautu
					anco havo			Vai Ora Target Overall current Attribute State kaupapa assessment	Tünga Arustanga Whäinga Arometevesi ä-kaupapa mit is Wal Ora arowhänui	r Korokoro	Aromatawai a-kaupapa arosshāmii	Overall current		is below the 20 even in the			vam flow is strady with natural variation. Wat the vols, runs, riffest.		stress caused by low dissolved oxygen. Wal Maon any aquatic organisms that are present.	Œ.		WallMboil		Wailautu
				led and regional council work together to resource and develop an ongoing colueation and communication campaign	inco have. All sites of significance have been identified by mans whenus and stories are recorded and shared where appropriate.	To roo me ona tikanga are present at this are. To roo Maon is heard, through leankin and keroro, Sannaga, appa, usa tochnology.	Whele they axis, all criginal names of sites, and, features and areas will be privileged. Maria whereus will develop and implement the naming policy for adoption by focal government to victure his rights to name senants and other sites.		nga Whäinga Arometevrai ä-kaupepa arowhänui	Te Oranga Wai assessment for Korokoro		Overall current	a of suspended sectiment on Wal Naori stream life,	is below the 20 even in the		entichment and/or alteration of the natural flow regime or habitat.	Stream flow is sneady with marural variation. Wat the (yooks runs, riffes)	Tharo a 0% tak of Campylobnotor Valikauta mioaton.	Dissolved owygen Ne stross caused by low dissolved owygen WalfMean on any aquatic organisms that are prosent.		Macroinvenebrate community, indicative of pristine conditions with no organic pollution or nutrient emichment.	WatMison	rall present along the riverbad entire awa.	bs without gotting Walkautu

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	Habitat assessment					Mahinga kai						Rârangi Wâ e Tutukî	ai le wai ura Timefranie to	Short term	Shorttorm		Modiumtorm	Shorttorm	Short term/Half generation	Shorttern (Upper)	arm dower	Modiumtorm	Mediumiem
Smell	Rubbish audit	Kaisafe to eat	Species presence/ abundance	Health of manings ka	Harvest potential	Kõreso tuku iho		Development of cultural flows	Develop assessment of wadable avaithrough outural framework	Attribute	Attribute					46	Váli Ora (modlum torm) Mo			Wellors (maintain) and Sho		Wei ora (modiumtorm) Mo	Waters (medium iem)
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There is no extour present in the valer	No evidence of waste present across the awa.	I would feed food that comes from this stream to children or kaumatua without hositation.	Five or more mahinga kai species present.	Maninga kai are nosimy, irocod dispase and regeneraling. Hatvail for mahinga kai provides remedy, protection, food sources	There is a possibility to harvest sustainably twice a year for ceremonies.	Knowledge around sites, species and tikanga are abundant and transferred to younger generations.	-Check consents for water takes.	Develop cultural framework for water allocation for all of the whaltus small streams and large timese are not servicemmental flower.		larget e State	mõ Te Wai Ora	Aromatawai ā-kaupapa	arewhamui Overall current	Kaupapa assessment Wailora	Walkautu		s Walkautu s	Walora	c Walora	Walora (Upper carchmont) and Wai		ii. Walkautu leheck CWpines)	WaiMZori
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	ODDINIEW			Wal Mare	Waikautu	Waikautu			e WaiMäori	kaupapa assessment	arowhānui	ilings Ahustangs Whäinga	rno le waruna Wai Ora Target	Attribute State Narra whenus katiskid are being resourced to do monitoring in the awa. The data is being listened to and informs huure decision-making regarding the awa. They	A full review of all discharge and we resolute consents is not formed.	Where they exist, all original names of sites, it was fostures and areas will be privileged. Mans where a will decelop and implement the naming policy for adoption by local.	omment to ensure the rights ams and other sites.	To roo nie oria tikanga are presentat this sto. To roo Maorii is hoard, through karakia and kororo. Signago, appa, uso tochnology,	All sites of significance have been identified by mans whenus and stories are recorded and shared where appropriate.	Iwi and regional council work together to resource and develop an orgoing education and communication campaign.	Te Oranga Wai assessment for Sowthwest Coast (
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Me Heke Ki Põneke

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	Develop assessment of T wadable awa through cultural framework					mposition			=	_			ssessment fo	Mana Whenua	tikanga	Wai ora fshort termi	Wai ora (short torm)	Wai Maori (short term)	Wei Mani (short term)	Wai Maori (short term)	West Macer (short term)		Walora	Welkautu (mediumterm) Mediumterm Forested maintain	short term Wei Männt (short term)	Coast maintain was ora	
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Onei Paris wai kautu	Wallora headwaters Wallmate Black Creek		reaches (ecoli) Wai Maori opon coast arca	Walmate for lower		arbod Not assessed			Wai mate urban area Rural wai kino	Headwaters waters	Overall current	Aromatawai ā-kaupapa arowhānui	Šturitena Wišina	mō Te Wai Ora Wai Ora Tarnet	Attribute State	Develop cultural framework kin water allocation for all of the whattus small streams and large (these are not environmental flews).	Knowlodgo around sitos, apocios and tikanga aro abundant and transforred to	Younger Beneficiers Thore is a possibility to harvest sustainably taken a year for coomornories.	Mahinga kai are healthy, free of disease and regenerating. Halbart for mahinga kai ranaides nemodo minadisan fond anusas	Rve or more markinga kai species present	I would feed lood that comes from this stream to children or kaumatua without	nallon	No evidence of waste present across the avea.	There is no odour present in the water.			
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		Fadir			Source		нян			mai iii ga vai - i quai		Attribu	Kaupapa Akuati Kaupapa Akuati	ai Te Wai Ora Timeframe to	reach Wai Ora	Long terni		Long term			Louise facetor			Long term			Mediumtemi
	3	Feeling in pulsu T			Sources of pollution A	5 T X	Hsh passage assessment III			AAAAA maraada		Attribute W	eğüzeney Periode elektrologi Periode elektrolo			Maintain Long term upstream variora Wal Makon (short norm)		Waliklanti shori serni	Wei ora maintain	blank steek, wal natoli florigiterni stati Moosi (datori fotom) too		(Jong term)	Remainder Wal Möcri ishort remi)	A constitution	you intally three full letter		Wei Maori (short twim) Mediumterm
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		There is a sense of calm and a feeling of		been identified and remodied.	All known point sources of pollution have	suturumas, svolaja kontrorio is operandure in proventi iliho passegapo di socirio i islanganosio in ordari lo protecti disaltradi Islanganosio.	The passage of fish is maintained, or is improved, by removal of instream		across the 3 venus (ayus, ayan banks and sunound by land.)	water. I Spanian strade operating over the entire water. I Spanian strade operatine entire.	Attribute State	mo ie wai ora Wai Ora Target	d nordenny elegan de	Mana Whenua Mana Whenua	maria miranua sment tikanga	Vaiora upsteam Mairbiin Srong spirtual upstream valora connocion Wali Mao (Shortrorm)	voar kaulitu uitoah areaa	Black Cheek, Valindonsia, valinaie Walindonsia, valinaie Walkautu šarthe sest	Water fortematiques (headwares)		Dash area for sold Majerrain	Black Grook wai marc Wai Maon dong torm)		Busharea is wat one Maintain bush	rvankno tand management)	Thou, cow ares woods, blackbory, trout.	
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		There is a sense of calm and a feeling of Whitera upsteem.	필집	been identified and remoded. I and fill Urban stermwater 1 in 10	All known point sources of pollution have	proved the passed on every products of the province of the pro	The passage of fish is maintained, or Walkautū is improved, by removal of instream	Ime@invitesini Constitution Invitesini Invit	Main siemviural vai kino Coast/estrair vai keuti	regress (John of Control of Contr	Attribute State keupapa assessment	mo ie wai ora Wai Ora Target	ededravy generalisava v delaranda de	mő le Wai Ora arewhánui Mana Whenza Wai Ora farnal Anna Whanza	Attribute State kaupapa assessment tikanga	The axes can be heard forms fair distance. Welstern upsteem: Meintein aneal, forth fragment acred. Bathes deds. Second spatrate upsteem revisions are bould and confused from a delanner. Consolion while four fair fair fair from the assignment from	POSTICALIU UITNOT ARKA	The axe on the mediculoms that distance. How Chief, Von Mari Bank service axes, you must be a served when the service services are look and can be heard from a distance. While and fix the sext are look and can be heard from a distance.	away from the awa. Names livin species cover 100% of the wat. Partion forternal apuna. (headwaters)		Maintean as routed to	Black Grook wai marc Wai Maon dong torm)		Pest licea and launa species are managed. Rush area is watere. Maintain bush to below 10% of streeds present. There are sustained to the continue managed to the continue mana	rvankno tand management)	Thout conveness woods. blackborn, trout.	Matauranga knowledge and connection is strong and being passed onto younger
	Strong spiritual connection. Walkauto	There is a sense of calm and a feeling of Whitera upsteem.	필집	been identified and kernedied. Land till Lithan Maen short term. stormvaler 1 in 10 Visit Maet prioritised	All known point sources of pollution have. Wai mate	SALUCIANES AND	The passage of fish is maintained, or Walkautū is improved, by removal of instream		Main sienvitual vai kino Main sienvitual vai kino Main sienvitual vai kino Main sienvitual vai kino sienvitai vai kino sienvita	regress (John of Control of Contr	Attribute State kaupapa assessment tikanga	mo le wat urs arownanui Vai Ora Target Overall current	a) o diang giết, thinh truy Whites Londrines à America Note Harman Whites Londrines à America Note Harman Whites Londrines à America Note Harman I Trans Bertrand Whites	nië is Wai (ha arowhainui Rana Wheitra Wai ne fun a novelli ni mana Wai ne fun a novelli ni mana Wai na wai ni mana Mana Mana Mana Mana Mana Mana Mana	Attribute State kaupapa assessment tikanga	Vaiora upsteam Mairbiin Srong spirtual upstream valora connocion Wali Mao (Shortrorm)	POSTICALIU UITNOT ARKA	Black Cheek, Valindonsia, valinaie Walindonsia, valinaie Walkautu šarthe sest	Water fortematiques (headwares)		Dash area for sold Majerrain	una spoores cover rook or busharaa s warona warraan. Black (brock war marc Van Maon (long torm)		Busharea is wat one Maintain bush	rvankno tand management)	Trout, cov. areas, woods, blacktory, trout.	Tongs Kneronkuitro kistuangakronkidga and comrection. Walkins-instruction (Naikkani shortenti) Michamterm species is strong and brigippassed cirk-vumpa pooleb to proceeds.

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Me Heke Ki Põneke

Te Mangai Wai Ora (the voice for water)

Implementation of Te Mahere Wai

Maria whenua expect to have an active role as kaitlakt in the management of Whaitua Te Whangarui: a-Tara. The role of iwi kaitlakt expresses our kawa traditionsh and tikanga (practices) and addresses our kaupapa (policy priorities) and take (issues) identified in Te Mahare Wai.

We propose that among to borned to high implement. To Mahani Na this will associate the development training and simply-insist of harmonic throughout the control of the

Kaitiaki Roles and Functions

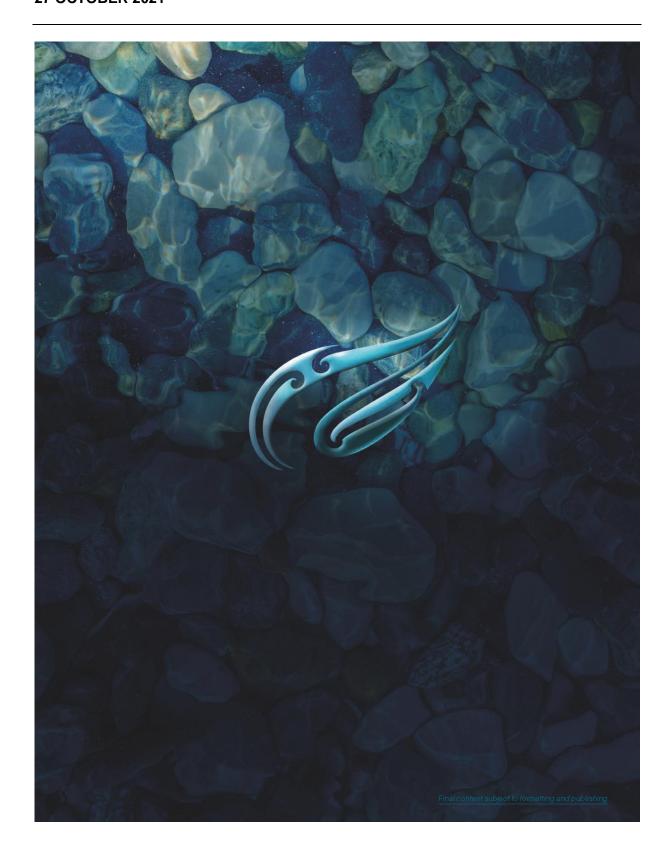
- Compliance monitoring of wastawater and stormwater infrastructure in a similar manner to the Wallington Water or Wellington City Council rowing arews.
- Kambitar ge aw roles are not und scross all isosplinas including:
 Policy are purposing that inglements le Mahere Waitand ir cludes mitieurarge etei in frest water management of deballor-maker of maker of maker
- values places, and placificas.

 7. Apathership between community groups, mane when us inclusing oversight and management.

 8. Compliance monotoling of westlewater and grommeter mergins.



Final content subject to formatting and publishing



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ACTIONS TRAC	KING
Kōrero taunaki	
Summary of conside	rations
Purpose	
	an update on the past actions agreed by the Pūroro Āmua - Planning mmittee at its previous meetings.
Strategic alignment wi	th community wellbeing outcomes and priority areas
	Aligns with the following strategies and priority areas:
	 ☐ Sustainable, natural eco city ☐ People friendly, compact, safe and accessible capital city ☐ Innovative, inclusive and creative city ☐ Dynamic and sustainable economy
Strategic alignment with priority objective areas from Long-term Plan 2021–2031	 ☐ Functioning, resilient and reliable three waters infrastructure ☐ Affordable, resilient and safe place to live ☐ Safe, resilient and reliable core transport infrastructure network ☐ Fit-for-purpose community, creative and cultural spaces ☐ Accelerating zero-carbon and waste-free transition ☐ Strong partnerships with mana whenua
Relevant Previous decisions	Not applicable.
Financial consideration	ns
	dgetary provision in Annual Plan / □ Unbudgeted \$X erm Plan
⊠ Low	☐ Medium ☐ High ☐ Extreme
Author	Hedi Mueller Senior Democracy Advisor

Taunakitanga

Authoriser

Officers' Recommendations

Officers recommend the following motion

That the Pūroro Āmua | Planning and Environment Committee:

1. Receive the information.

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Liam Hodgetts, Chief Planning Officer

Absolutely Positively **Wellington** City Council
Me Heke Ki Pöneke

Whakarāpopoto

Executive Summary

- 2. This report lists the dates of previous committee meetings and the items discussed at those meetings.
- 3. Each clause within the resolution has been considered separately and the following statuses have been assigned:
 - No action required: Usually for clauses to receive information or note information, or actions for committee members rather than council officers.
 - In progress: Resolutions with this status are currently being implemented.
 - Complete: Clauses which have been completed.
- 4. All actions will be included in the subsequent monthly updates, but completed actions and those that require no action will only appear once.

Takenga mai

Background

- 5. At the 13 May 2021 Council meeting, the recommendations of the Wellington City Council Governance Review (the Review Report) were endorsed and agreed to be implemented.
- 6. The Review Report recommended an increased focus on monitoring the implementation of Council resolutions and delivery of the work programme. As part of the implementation of this recommendation, each committee will be provided with an update on its previous decisions at every meeting.
- 7. The purpose of this report is to ensure that all resolutions are being actioned over time. It does not take the place of performance monitoring or full updates. The committee could resolve to receive a full update report on an item if it wishes.

Kōrerorero

Discussion

- 8. Of the 23 resolutions of the Pūroro Āmua | Planning and Environment Committee in September 2021:
 - 11 require no action from staff.
 - 5 are in progress.
 - 7 are complete.
- 9. 35 in progress actions were carried forward from the last action tracking report. Of these:
 - 35 are still in progress.
- Further detail is provided in Attachment One.

Attachments

Attachment 1. Action Tracking

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Date	Meeting	Item	Clause	Status
Thursday, 24 June 2021	Pūroro Āmua Planning and Environment	3.4: Thorndon Quay Parking Changes - Traffic Resolution	2. Approve the following amendments to the Traffic Restrictions, pursuant to the provisions of the Wellington City Council Consolidated Bylaw 2008: TR53-21 Thorndon Quay Pipitea – Convert angled parking to parallel parking (amended)	In progress
Thursday, 24 June 2021	Pūroro Āmua Planning and Environment	3.4: Thorndon Quay Parking Changes - Traffic Resolution	3. Agree that the four new P10 parks operate between 3pm and 6pm in the evening.	In progress
Thursday, 24 June 2021	Pūroro Āmua Planning and Environment	3.2: Approval of 30-year Spatial Plan	6. Agree that officers will report on the implementation of the Spatial Plan and the supporting Action Plan on an annual basis, or more regularly as required.	In progress
Thursday, 24 June 2021	Pūroro Āmua Planning and Environment	3.2: Approval of 30-year Spatial Plan	12. Agree to seek advice on the establishment of inclusionary zones in the inner city, CBD and around key public transport routes and instruct officers to report back on how these zones might be implemented as part of the District Plan review work through the Pūroro Āmua Planning and Environment Committee.	In progress
Thursday, 24 June 2021	Pūroro Āmua Planning and Environment	3.2: Approval of 30-year Spatial Plan	14. Agree that Council will seek to get the agreement of Kāinga Ora to develop at least one Specified Development Project through under the Urban	In progress
Thursday, 24 June 2021	Pūroro Āmua Planning and Environment	3.2: Approval of 30-year Spatial Plan	15. Request officers to provide a report by September 2021 to identify underutilised sites across the city that are close to major public transport routes; including land that is:	In progress
Thursday, 24 June 2021	Pūroro Āmua Planning and Environment	3.2: Approval of 30-year Spatial Plan	16. Propose measures to prioritise and significantly increase the rate of realisation of residential and mixed-use development capacity on underutilised sites over the next three, ten and 20 years.	In progress
Thursday, 24 June 2021	Pūroro Āmua Planning and Environment	3.2: Approval of 30-year Spatial Plan	17. Instruct officers to investigate options and tools for encouraging/incentivising contributions through developments to city outcomes, such as affordability, accessibility, seismic resilience, open green space and low carbon buildings through the District Plan review and report back to the Pūroro Āmua Committee and Council for decision making on what initiatives to take forward.	In progress
Thursday, 24 June 2021	Pūroro Āmua Planning and Environment	3.2: Approval of 30-year Spatial Plan	18. Note the design scheme for the Newtown Character area from the Newtown community and agree that council officers will recommend it to Kainga Ora for consideration as part of their planning work. Agree that consideration will be given to prioritizing the needs of healthcare workers in this area in any work that the council undertakes in this area.	In progress
Thursday, 24 June 2021	Pūroro Āmua Planning and Environment	3.2: Approval of 30-year Spatial Plan	22. Agree to change the 'Type 4: Enable 6 storeys' housing typology in the proposed final Spatial Plan maps and text to 'Type 4a: Up to 6 storeys' and 'Type 4b: Enable at least 6 storeys', consistent with the Draft Spatial Plan.	In progress
Thursday, 24 June 2021	Pūroro Āmua Planning and Environment	3.2: Approval of 30-year Spatial Plan	23. Remove the unlimited heights proposal in Central City and Te Aro and revert broadly to the heights proposed in the Draft Spatial Plan.	In progress
Thursday, 24 June 2021	Pūroro Āmua Planning and Environment	3.2: Approval of 30-year Spatial Plan	24. Increase the walking catchment from all rapid transit stops to 10 minutes.	In progress
Thursday, 24 June 2021	Pūroro Āmua Planning and Environment	3.2: Approval of 30-year Spatial Plan	25. Request officers include best practice universal design principles in the review of the Wellington Design Manual and development of District Plan design guides.	In progress
Thursday, 24 June 2021	Pūroro Āmua Planning and Environment	3.2: Approval of 30-year Spatial Plan	26. Seek to increase stock of accessible housing by encouraging accessible units on the ground floor of new multi-unit developments.	In progress

Thursday, 24 June 2021	Pūroro Āmua Planning and Environment	3.2: Approval of 30-year Spatial Plan	27. Include a stream network map which shows above and underground streams to complement the Green Network Plan, as part of the District Plan review and on the Spatial Plan.	In progress
Thursday, 24 June 2021	Pūroro Āmua Planning and Environment	3.2: Approval of 30-year Spatial Plan	·	In progress
Thursday, 24 June 2021	Pūroro Āmua Planning and Environment	3.2: Approval of 30-year Spatial Plan	29. Request officers report back on the capacity to implement the National Policy Statement on Indigenous Biodiversity once it is released, as well as options for incentivising maintenance of Significant Natural Areas (SNAs), such as a rates rebate on the percentage of private land designated as a Significant Natural Area.	In progress
Thursday, 24 June 2021	Pūroro Āmua Planning and Environment	3.2: Approval of 30-year Spatial Plan	31. Support whenua Māori (Māori Land) exemption from national SNA designation under the National Policy Statement on Indigenous Biodiversity.	In progress
Thursday, 24 June 2021	Pūroro Āmua Planning and Environment	3.2: Approval of 30-year Spatial Plan	32. Request that officers change Our Place engagement to city wide engagement to be focused on young people, renters, disabled people, and other communities that Council has less engagement with, about their future housing needs that can be enabled through the District Plan.	In progress
Thursday, 24 June 2021	Pūroro Āmua Planning and Environment	3.2: Approval of 30-year Spatial Plan	33. Implement the pre-1930s character sub-areas as proposed in the draft spatial plan released in August 2020 and remove the general character overlay.	In progress
Thursday, 24 June 2021	Pūroro Āmua Planning and Environment	3.2: Approval of 30-year Spatial Plan	34. Request officers identify incentives such as enabling more height if developments include a percentage of affordable housing, outdoor shared space, community gardens, green roofs as part of the District Plan review.	In progress
Thursday, 24 June 2021	Pūroro Āmua Planning and Environment	3.2: Approval of 30-year Spatial Plan	35. Request officers to report back to the District Plan Review Councillor Working Group on the benefits of quality building design on mental health and wellness indicators as part of the District Plan review.	In progress
Thursday, 24 June 2021	Pūroro Āmua Planning and Environment	3.2: Approval of 30-year Spatial Plan	36. Request officers to investigate incentives for developers to enable more common space, and space for community gardens, composting solutions, and green roofs.	In progress
Thursday, 24 June 2021	Pūroro Āmua Planning and Environment	3.2: Approval of 30-year Spatial Plan	37. Request officers include provision for more vegetable/community gardens and composting systems throughout the central and inner suburbs in the Green Network plan.	In progress
Thursday, 24 June 2021	Pūroro Āmua Planning and Environment	3.2: Approval of 30-year Spatial Plan	39. Note that staff will need to conduct a cost benefit analysis related to exempting character precincts from the National Policy Statement on Urban Development as part of the section 32 reports for the District Plan.	In progress
Thursday, 24 June 2021	Pūroro Āmua Planning and Environment	3.2: Approval of 30-year Spatial Plan	42. Request officers prepare additional evidence as part of the draft District Plan to support the extension of the 10 minute walking catchment where it extends beyond that approved for the Medium Density Residential Area in Johnsonville.	In progress
Thursday, 24 June 2021	Pūroro Āmua Planning and Environment	3.2: Approval of 30-year Spatial Plan	43. Request officers review the provision of open and green space in Johnsonville as part of the District Plan review.	In progress
Thursday, 24 June 2021	Pūroro Āmua Planning and Environment	3.2: Approval of 30-year Spatial Plan	44. Increase the walking catchment for the central city to 15 minutes.	In progress

Thursday, 24 June 2021	Pūroro Āmua Planning and Environment	3.2: Approval of 30-year Spatial Plan	45. Request officers to report back within three months on the ability and capacity of the Johnsonville train line to support the planned potential population growth along the Johnsonville/Onslow corridor taking into account the Regional Council's planned future investment strategy on the line.	In progress
Wednesday, 4 August 2021	Pūroro Āmua Planning and Environment	2.2 Traffic and Parking Bylaw Review	3. Agree to recommend to Council that the new Traffic and Parking Bylaw 2021 is adopted and the current Part 5: Traffic of the Wellington Consolidated Bylaw 2008 is revoked.	In progress
Wednesday, 4 August 2021	Pūroro Āmua Planning and Environment	2.2 Traffic and Parking Bylaw Review	13. Request officers report back to the Infrastructure Committee, within six months, on the implementation of changes in the Traffic Bylaw, including but not limited to introduction of new signage to prevent parking beyond seven days, improving design of shared use zones for pedestrian safety, enforcement of parking on footpaths and berms, and the potential need for more broken yellow lines on narrow streets, near bus stops and within six metres of intersections.	In progress
Wednesday, 4 August 2021	Pūroro Āmua Planning and Environment	2.2 Traffic and Parking Bylaw Review	15. Request officers add to the work programme to request engine braking noise monitoring by Waka Kotahi NZ Transport Agency on Brooklyn Hill Rd and Ohiro Road due to the high number and frequency of trucks that travel to and from the three landfills. Officers to commence engagement with waste operators to explore voluntary measures to reduce engine braking noise disturbance.	In progress
Wednesday, 25 August 2021	Pūroro Āmua Planning and Environment	3.1 Brooklyn Road Bike Lane Trial	2. Agree to formally consult on implementing permanent infrastructure between south of the intersection of Victoria Street/Karo Drive (SH1) and the intersection of Ohiro Road/Todman Street.	In progress
Wednesday, 25 August 2021	Pūroro Āmua Planning and Environment	3.1 Brooklyn Road Bike Lane Trial	3. Agree that upgraded pedestrian facilities will be investigated as a part of this work.	In progress
Wednesday, 25 August 2021	Pūroro Āmua Planning and Environment	3.3 Traffic Resolution - TR94-21 Courtenay Place	2. Approve the following amendment to the Traffic Restrictions, pursuant to the provisions of the Wellington City Council Consolidated Bylaw 2008 as per Attachment 1: a) PR94-21 Courtenay Place, Te Aro - P30 time limited parking: i) at all times for four spaces, ii) outside of charging hours for five "pay by space" spaces, and iii) outside loading zone hours for two loading zone spaces.	In progress
Thursday, 23 September 2021	Pūroro Āmua Planning and Environment	2.1 Approval of Draft Bike Network Plan for Consultation	Receive the information.	No action required
Thursday, 23 September 2021	Pūroro Āmua Planning and Environment	2.1 Approval of Draft Bike Network Plan for Consultation	2. Agree that the content of the draft Bike Network Plan (Attachment 1) be released for consultation.	Complete
Thursday, 23 September 2021	Pūroro Āmua Planning and Environment	2.1 Approval of Draft Bike Network Plan for Consultation	3. Agree that the Committee Chair and Deputy Chair authorise changes to the draft plan prior to consultation in line with the intent of any decisions the Committee makes today.	Complete
Thursday, 23 September 2021	Pūroro Āmua Planning and Environment	2.1 Approval of Draft Bike Network Plan for Consultation	4. Note that consultation on the draft plan will be run in conjunction with consultations on the Let's Get Wellington Moving Programme and the draft District Plan starting in late October/early November.	No action required

Thursday, 23 September 2021	Pūroro Āmua Planning and Environment	2.1 Approval of Draft Bike Network Plan for Consultation	5. Note that concurrently with the final adoption of the Bike Network Plan in early 2022, officers' are recommending that a high-level strategic traffic resolution also be adopted. This is primarily to provide an explicit and consistent decision under the Land Transport Act 1998 by the Council as the Road Controlling Authority	No action required
Thursday, 23 September 2021	Pūroro Āmua Planning and Environment	2.1 Approval of Draft Bike Network Plan for Consultation	6. Endorse commencing work to install transitional schemes for the routes from the city to Newtown and the city to the Botanic Garden in partnership with Let's Get Wellington Moving.	Complete
Thursday, 23 September 2021	Pūroro Āmua Planning and Environment	2.1 Approval of Draft Bike Network Plan for Consultation	 7. Note that Appendix 2 will be corrected to show the following network classifications: Leonie Gill pathway, Onepu Rd- Cockburn Street, secondary Leonie Gill pathway, Tirangi Rd - Onepu Rd, primary 	Complete
Thursday, 23 September 2021	Pūroro Āmua Planning and Environment	2.6 Te Ngākau Civic Precinct Framework Hearings	1. Receive the information.	No action required
Thursday, 23 September 2021	Pūroro Āmua Planning and Environment	2.6 Te Ngākau Civic Precinct Framework Hearings	2. Hear the oral submitters and thank them for speaking to their submissions.	Complete
Thursday, 23 September 2021	Pūroro Āmua Planning and Environment	2.4 Forward Programme	1. Receive the information.	No action required
Thursday, 23 September 2021	Pūroro Āmua Planning and Environment	2.5 Action Tracking	1. Receive the information.	No action required
Thursday, 23 September 2021	Pūroro Āmua Planning and Environment	2.2 Frank Kitts Car Park and Fale Malae	1. Receive the information.	No action required
Thursday, 23 September 2021	Pūroro Āmua Planning and Environment	2.2 Frank Kitts Car Park and Fale Malae	2. Agree to the demolition of the carparking building subject to Council agreement on timing of demolition (noting the need to strengthen or demolish by 2034).	Complete
Thursday, 23 September 2021	Pūroro Āmua Planning and Environment	2.2 Frank Kitts Car Park and Fale Malae	3. Subject to landowner and resource consent processes, endorse in principle the Fale Malae Trust proposal to continue investigating Frank Kitts Park as the preferred site for the Fale Malae, being the south west corner of the park where the carpark building is currently located.	Complete
Thursday, 23 September 2021	Pūroro Āmua Planning and Environment	2.2 Frank Kitts Car Park and Fale Malae	4. Direct officers to prepare a development plan and report back to Council by June 30 2022, recognising that there is an existing resource consent and commitment in Council's Long-term plan for the Garden of Beneficence (Chinese Garden).	In progress
Thursday, 23 September 2021	Pūroro Āmua Planning and Environment	2.2 Frank Kitts Car Park and Fale Malae	5. If the recommendation to demolish is agreed to then direct officers to prepare a demolition plan to be reported back to council alongside the development plan by June 2022.	In progress
Thursday, 23 September 2021	Pūroro Āmua Planning and Environment	2.2 Frank Kitts Car Park and Fale Malae	6. Agree that if the Fale Malae project goes ahead on Frank Kitts Park that compensatory open green space will be created elsewhere in the central city which will be designed in line with Water Sensitive Urban Design principles and that the overall objective of the Council's planning work is to significantly increase the amount of green open space overall. Note that part of the Fale Malae will be open space.	In progress
Thursday, 23 September 2021	Pūroro Āmua Planning and Environment	2.2 Frank Kitts Car Park and Fale Malae	7. Note that Council and the Fale Malae trust will continue to work with mana whenua and will provide an update on where the proposal is at now.	No action required
Thursday, 23 September 2021	Pūroro Āmua Planning and Environment	2.2 Frank Kitts Car Park and Fale Malae	8. Direct officers to assist the eight businesses connected to the Frank Kitts car park with relocation.	In progress

Thursday, 23 September 2021	Pūroro Āmua Planning and Environment	2.3 Te Atakura First to Zero 2021 Update	1. Receive the information.	No action required
Thursday, 23 September 2021	Pūroro Āmua Planning and Environment	2.3 Te Atakura First to Zero 2021 Update	2. Agree that officers publish the Te Atakura First to Zero 2021 Update on the Council website.	In progress
Thursday, 23 September 2021	Pūroro Āmua Planning and Environment	2.3 Te Atakura First to Zero 2021 Update	3. Note that the City target for 2030 has been updated to a 57% reduction compared to 2020.	No action required
Thursday, 23 September 2021	Pūroro Āmua Planning and Environment	2.3 Te Atakura First to Zero 2021 Update	4. Note that Council will sign up to the Race to Zero pledge via the CDP website, and will participate in events and publicity of Race to Zero in the lead up to COP26.	No action required

 \bowtie Nil

⊠ Low

Risk

Long-term Plan

FORWARD PROGRAMME Kōrero taunaki **Summary of considerations Purpose** This report provides the Forward Programme for the Pūroro Āmua | Planning and Environment Committee for the next two months. Strategic alignment with community wellbeing outcomes and priority areas Aligns with the following strategies and priority areas: ☐ Sustainable, natural eco city ☐ People friendly, compact, safe and accessible capital city ☐ Innovative, inclusive and creative city ☐ Dynamic and sustainable economy Strategic alignment ☐ Functioning, resilient and reliable three waters infrastructure with priority ☐ Affordable, resilient and safe place to live objective areas from ☐ Safe, resilient and reliable core transport infrastructure network Long-term Plan ☐ Fit-for-purpose community, creative and cultural spaces 2021-2031 ☐ Accelerating zero-carbon and waste-free transition ☐ Strong partnerships with mana whenua **Relevant Previous** Not applicable. decisions **Financial considerations**

Author	Hedi Mueller, Senior Democracy Advisor
Authoriser	Liam Hodgetts, Chief Planning Officer

☐ Medium

☐ Budgetary provision in Annual Plan / ☐ Unbudgeted \$X

☐ High

☐ Extreme

Absolutely Positively **Wellington** City Council
Me Heke Ki Pöneke

Taunakitanga

Officers' Recommendations

Officers recommend the following motion

That the Pūroro Āmua | Planning and Environment Committee:

1. Receive the information.

Whakarāpopoto

Executive Summary

- 2. The Forward Programme sets out the reports planned for Pūroro Āmua meetings in the next two months that require committee consideration.
- 3. The Forward Programme is a working document and is subject to change on a regular basis.

Kōrerorero

Discussion

- 4. Wednesday 3 November 2021:
 - Forum Evans Bay Parade Cycleway (Chief Strategy and Governance Officer)
- 5. Wednesday 10 November 2021:
 - Island Bay Parade Upgrade Design Options (Chief Planning Officer)
 - Fossil Fuel Free City Centre Update (Chief Planning Officer)
- 6. Wednesday 24 November 2021:
 - Hearing Cobham Drive speed limit (Chief Planning Officer)
 - Housing Action Plan Update (Chief Planning Officer)
 - · Housing development (Chief Planning Officer)
 - Te Kāinga evaluation and 5 year plan (Chief Planning Officer)
 - Evans Bay Parade Cycleway Stage Two Post Consultation Report
 - · Petition: Residents' Parking in Hataitai Road

Attachments

Nil

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3. Committee Reports

REPORT OF THE KĀWAI WHAKATIPU | GRANTS SUBCOMMITTEE MEETING OF 13 OCTOBER 2021

Members: Mayor Foster (absent – apology accepted), Councillor Day, Councillor

Fitzsimons (Chair), Councillor Foon, Liz Kelly (absent), Councillor Matthews,

Councillor O'Neill, Councillor Young.

CLIMATE AND SUSTAINABILITY FUND CRITERIA

The Subcommittee recommends:

That the Pūroro Āmua | Planning and Environment Committee:

a. Approve the criteria, and

b. Note the processes for administering the fund.

Website link to the Kāwai Whakatipu | Grants Subcommittee agenda and minutes: https://wellington.govt.nz/your-council/meetings/committees/grants-subcommittee/2021/10/13

Attachments

Nil

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