Appendix 4: Recommended Amendments to Provisions and Section 32AA Evaluation

This document sets out only the provisions of the notified version of Proposed Plan Change 1 for which submissions were specifically received.

Provisions as notified are shown in black text. Additions are underlined and deletions are ~~struck through~~. Section 42A recommended amendments are shown in red text. Additions are underlined and deletions are ~~struck through~~. Recommended amendments from other S42A reports are shown in orange text. Additions are underlined and deletions are ~~struck through~~.

The section 32AA assessment follows alongside for each of the provisions where amendments have been recommended by the officer.

Submission no.	Chapter	Provision	Text of provision with any recommended amendments	Evaluation of amendment (section 32AA assessment)
S282.006 S282.007	2.2 Definitions	Primary contact sites FW	~~Primary contact sites for Whaitua Te Whanganui-a-Tara are shown on Map 85.~~ means a site identified by the Wellington Regional Council that it considers is regularly used, or would be regularly used but for existing freshwater quality, for recreational activities such as swimming, paddling, boating, or watersports, and particularly for activities where there is a high likelihood of water or water vapour being ingested or inhaled. *Note: the identified sites are shown on Map 85.*	**Appropriateness of the objective** The recommended amendment to this definition and the related removal of application of Schedule H2 improves the effectiveness of the plan as it explains the meaning of the term in line with the NPS-FM and provides suitable guidance to plan users to understand the purpose of these sites, as well as directing plan users to the map which shows their locations. Furthermore, removing duplication between Schedule H and the primary contact sites and objectives relevant to *E. coli* and enterococci removes

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S151.023 S285.009	Chapter 6 Methods [consequential amendment to operative NRP]	M34	Apply a 'not applicable' icon to M34 such that it does not apply within the TWT and TAoP whaitua:  Method M34: Improving water quality in priority water bodies Wellington Regional Council in conjunction with **mana whenua** will develop and implement a programme to improve water quality for **contact recreation** and **Māori customary use** in the first priority fresh and coastal water bodies identified in Schedule H2.	duplication and risk of uncertainty with having two types of provisions directing 'improvements' for contact recreation with different targets.
S151.023 S285.009	Schedule H [consequential amendment to operative NRP]	Schedule H2	Apply a 'not applicable' icon to all of Schedule H2 such that it does not apply within the TWT and TAoP whaitua:  Schedule H2: Priorities for improvement of fresh and coastal water quality for contact recreation and Māori customary use…	
S101.018	Chapter 3 Objectives	O2	Remove 'not applicable' icon.	**Appropriateness of the objective** The amendment better aligns with the RMA. Retaining this objective throughout the region is considered to be more appropriate in achieving the purpose of the RMA than the notified version which seeks to remove application of this objective for TWT and TAoP. It covers natural resources, recognising their contribution to social, economic and cultural wellbeing, and the health of people and communities, and directing that this be recognised in their management. It is not inherently inconsistent with Te Mana o te Wai and the

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				hierarchy of obligations, as the objective is not specifically directed to use of and impacts on water.
248.008 101.038 210.020 211.006 2.016 245.001 286.018 193.056	8 Whaitua Te Whanganui-a-Tara	WH.O1	Objective WH.O1 The health of ~~all freshwater bodies~~ rivers and lakes and their margins, **natural wetlands**, groundwater and the coastal marine area within **Whaitua** Te Whanganui-a-Tara is progressively improved and is wai ora by 2100. ~~*Note*~~ In the wai ora state: • Āhua (**natural character**) is restored where deteriorated and freshwater bodies exhibit their natural quality, rhythms, range of flows, form, hydrology and character • All ~~freshwater bodies~~ rivers and lakes have planted margins, where practicable • All ~~freshwater bodies~~ rivers and lakes and their margins, **natural wetlands**, groundwater and coastal waters have healthy functioning ecosystems and their water conditions and habitat support the presence, abundance, survival and recovery of At-risk and Threatened species and **taonga species** • **Mahinga kai** and kaimoana species are healthy, plentiful enough for long term harvest and are safe to harvest and eat or use, including for manuhiri and to exercise manaakitanga • **Mana whenua** are able to undertake customary practices ~~at a range of places~~ throughout the catchment. • Water is able to be used for social and economic use benefits, provided that the health and well-	**Appropriateness of the objective** The amendments to Objective WH.O1 are considered to be the most appropriate way to achieve the purpose of the Act because they provide greater certainty to plan users and resource consent applicants about how the objectives are intended to be implemented i.e. the objective is a long-term objective that does not need to be applied to resource consent assessments, as it is supported by shorter term objectives which are more specific and achievable within the life of the plan. The amendments also provide for use of freshwater resources to support social, economic, environmental and cultural wellbeing while at the same time setting an expectation to protect and restore freshwater bodies wherever possible. In doing so, the amendments give effect to the NPS-FM and the principle of Te Mana o te Wai.

Submission no.	Chapter	Provision	Text of provision with any recommended amendments	Evaluation of amendment (section 32AA assessment)
			being of waterbodies, freshwater ecosystems and coastal waters is not compromised. *Note:* Objectives WH.O2 to WH.O9 set out what is needed to achieve progressive implementation of this long-term objective up to 2040. Therefore, resource consent applicants do not need to demonstrate their proposed activities align with this objective.	
S261.004 S249.002 S187.001 S261.050 S151.055 S193.057 S188.032 S193.057 S32.001	8 Whaitua Te Whanganui-a-Tara	WH.O2 FW	Objective WH.O2 The health and wellbeing of Te Whanganui-a-Tara's groundwater, rivers and **natural wetlands** and their margins are on a trajectory of ~~measurable~~ improvement towards wai ora, such that by 2040: (a) water quality, habitats, aquatic life, water quantity and ecological processes are at a level where the state of ~~aquatic life~~ ecosystem health is maintained, or meaningful progress has been made towards improvement where degraded in accordance with WH.O9, and (b) natural form and character is maintained, or where degraded, improvement has been made to the hydrology of rivers, ~~and erosion processes, including~~ bank stability, ~~are improved and~~ sources of sediment are reduced ~~to a more natural level~~, and the extent and condition of indigenous riparian vegetation is increased and improved, supporting ecosystem health, and ~~(c) the extent and condition of indigenous riparian vegetation is increased and~~ improved~~, and~~	**Appropriateness of the objective** The recommended amendments to Objective WH.O2 are considered the most appropriate to achieve the purpose of the Act because: • The amendments in the chapeau and clause (a) clarify the relationship of the environmental outcome objectives and the TAS objectives that do the 'measuring'. The amendment also better supports implementation of clause 3.9 of the NPS-FM as the clauses are linked to relevant values. • The amendment in clause (g) better recognises the kayaking and rafting value of Te Awa Kairangi in response to submissions and RPS direction and in doing so supports social wellbeing. • The recommended deletion of clause (e) ensures all freshwater is considered in relation to the key NPS-FM values, not just those in Schedule B. This change more appropriately gives effect to the NPS-FM.

Submission no.	Chapter	Provision	Text of provision with any recommended amendments	Evaluation of amendment (section 32AA assessment)
			(d) the diversity, abundance, composition, structure and condition of **mahinga kai** species and communities are increased, and ~~(e) **huanga** of **mahinga kai** and **Māori customary use** for locations identified in Schedule B (**Ngā Taonga Nui a Kiwa**) are maintained or improved, and~~ (f) **mana whenua** can more safely connect with freshwater and enjoy a wider range of customary and cultural practices, including **mahinga kai** gathering, and (g) **mana whenua** and communities can more safely connect with freshwater and enjoy a wider range of activities, including swimming, ~~and~~ fishing, kayaking and rafting ~~food gathering~~, and (h) freshwater ~~of a suitable quality~~ is available for the **health needs of people**~~.~~, and (i) people and communities can provide for social and economic use benefits, provided that the health and well-being of waterbodies and ecosystems is not compromised.	
S101.040 S193.114 S101.040 S151.056 S151.103	8 Whaitua Te Whanganui-a-Tara	WH.O3	Objective WH.O3 ~~The health and wellbeing of c~~Coastal water quality, and the health and wellbeing of ecosystems and habitats in Te Whanganui-a-Tara is maintained, or improved where deteriorated, to achieve the coastal water objectives set out in Table 8.1 and 8.1A, and by 2040:	**Appropriateness of the objective** The recommended amendments to Objective WH. O3 are considered the most appropriate to achieve the purpose of the Act because: • The amendments to the chapeau offer clearer guidance for plan users by specifying that the intention of the objective is to require improvements in coastal water quality and health where specific parameters are not met. This

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			(a) sediment inputs into Mākara Estuary are reduced, and ~~(b) high contaminant concentrations, including around discharge points, are reduced, and~~ (c) diversity, abundance, composition, structure and condition of **mahinga kai** species and communities has increased, and (d) **huanga** of **mahinga kai** and **Māori customary use** for locations identified in Schedule B (**Ngā Taonga Nui a Kiwa**) are maintained or improved, and (e) the extent and condition of estuarine seagrass, saltmarsh and brackish water submerged macrophytes are increased and improved to support abundant and diverse biota, and (f) coastal areas support healthy functioning ecosystems, and their water conditions and habitats support the presence, abundance, survival, and recovery of At-risk and Threatened species and **taonga species**, and ~~(g) **mana whenua** can safely connect with the coastal marine area and enjoy a wider range of customary and cultural practices, including **mahinga kai** gathering and tauranga waka, and~~ (h) **mana whenua** and communities can safely ~~connect with~~ use the coastal marine area and enjoy a wider range of activities, including food gathering, ~~and~~ swimming, paddling, **Māori customary use** and **tikanga**, and	ensures the objective aligns with the overarching purpose of the RMA, particularly in promoting the enhancement of coastal water quality, supporting social, economic, cultural and environmental wellbeing. • The deletion of clause (g) removes duplication with clause (h). Additionally, amendments to clause (h) better reflect the intent and scope of PC1, placing emphasis on the suitability of coastal waters for human use, rather than physical access. • The inclusion of defined terms in the NRP in Clause (h) provides greater certainty for plan users and resource consent applicants, ensuring clearer interpretation and application of the objective. Changes to the accompanying table respond to scientific recommendations to refine the key parameters for ecosystem health and revise the metal targets to maintain within a 'band' to accommodate for natural accumulation. The deletion of (b) resolves a conflicting expectation for metals between this clause and the 'maintenance' approach within the table and a new clause for coastal areas not covered by the table has been added, which will better manage risks within the open coast areas of the whaitua.

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			(i) for coastal areas not covered by Table 8.1, in addition to relevant matters in (a)-(h) above: • fish and benthic invertebrate communities are resilient and their structure, composition and diversity are maintained, and • there is no increase in the frequency of nuisance macroalgal blooms, and • phytoplankton levels are maintained and monitored in applicable areas of point source discharges and locations that experience riverine mouth closures with limited water mixing. **[refer below for Table 8.1]**	
S193.061	8 Whaitua Te Whanganui-a-Tara	WH.O5 FW	Objective WH.O5 By 2040 the health and wellbeing of the Parangarahu Lakes and associated **natural wetlands** are on a trajectory of improvement towards wai ora, such that: (a) water quality, habitats, water quantity and ecological processes are at a level where the state of aquatic life is maintained, or meaningfully improved where degraded, to achieve the target attribute states in Table 8.2 to provide for ecosystem health, and ~~(b) the lakes are not impacted by submerged invasive plants and support healthy native aquatic plants, and~~	**Appropriateness of the objective** The recommended amendments to Objective WH.O5 are considered the most appropriate to achieve the purpose of the Act. Removing clauses (b) and (c) improves clarity for plan users by eliminating duplication with the submerged plants TAS included in Table 8.2 and addressing lack of clear alignment with a specific value. Clause (c) also duplicates part of the outcome in clause (a) and extends beyond the Council's responsibilities under the RMA. Its removal ensures the objective better aligns with the Council's role and the overall purpose of the RMA.

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			~~(c) the lakes function as a productive nursery with breeding habitats of indigenous species, and~~ (d) riparian vegetation is present around the perimeter of each lake, and (e) the diversity, abundance, composition, structure and condition of **mahinga kai** species and communities has increased, and (f) **mana whenua** can safely connect with and enjoy waterbodies to undertake a wider range of customary and cultural practices, including **mahinga kai** gathering, and (g) **huanga** of **mahinga kai** and **Māori customary use** for locations identified in Schedule B (**Ngā Taonga Nui a Kiwa**) are maintained or improved. **[refer below for Table 8.2]**	
S238.010 S210.022 S193.063 S2.017 S206.033 S188.036	8 Whaitua Te Whanganui-a-Tara	WH.O6 FW	Objective WH.O6 ~~Groundwater flows and levels, and water quality, are maintained at levels that~~ Groundwater health and integrity, including the confining layers of the **aquifer** system, are maintained and protected such that: (a) ~~ensure~~ base flows or levels in **surface water bodies** and springs are supported, and (b) salt-water intrusion is avoided and there is no landward movement of the salt-water/freshwater interface, and	**Appropriateness of the objective** The recommended amendments to Objective WH.O6 are considered the most appropriate to achieve the purpose of the Act because: • The amendments provide greater clarity to plan users and resource consent applicants about the intent of the objective and what activities it applies too. • The amendment to clauses (b) and (c) more appropriately give effect to the direction of Policy 5 of the NPS-FM. • New clause (d) recognise the importance of groundwater usage, ensuring sufficient reliability for the needs of communities.

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			(~~bc~~) ~~protect~~ groundwater quality and groundwater dependent ecosystems are maintained, or improved where degraded, and (~~cd~~) ~~protect~~ ecosystems in connected **surface water bodies** are maintained, or improved where degraded, and (~~de~~) ~~ensure that~~ groundwater is of sufficient quality for human and stock drinking water, and (~~ef~~) ~~ensure~~ there is no~~t a~~ long-term decline in mean annual groundwater levels~~, including artesian pressures~~, and (~~fg~~) ~~avoid~~ **aquifer** consolidation is avoided, and (h) **aquifer** pressures are maintained, and (i) social and economic use benefits are enabled where (a)-(h) are not compromised.	
	8 Whaitua Te Whanganui-a-Tara	WH.O7 FW	~~Objective WH.O7~~ ~~The physical integrity of aquitards is protected so that confined **aquifer** pressures are maintained.~~	**Appropriateness of the objective** The recommended deletion of Objective WH.O7 is considered the most appropriate to achieve the purpose of the Act as it ensures that issues related to maintaining groundwater health and integrity are not separated.
S193.064	8 Whaitua Te Whanganui-a-Tara	WH.O8 FW	Objective WH.O8 **Primary contact sites** within Te Awa Kairangi/Hutt River, Pākuratahi River, Akatarawa River and Wainuiomata River are suitable for primary contact by ensuring that by 2040:	**Appropriateness of the objective** No amendments to text of Objective WH.O6 are required as the objective achieves the purpose of the Act. Additional content is included in the accompanying table to improve plan clarity through inclusion of additional baseline data content.

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			(a) *Escherichia coli* concentrations are at least maintained, or improved where the target attribute states in Table 8.3 are not met, and (b) there is low risk of health effects from exposure to benthic cyanobacteria. **[refer below for Table 8.3]**	
S151.003 S151.004 S222.032 S206.034 S206.062 S151.060	8 Whaitua Te Whanganui-a-Tara	WH.O9 FW	Objective WH.O9 Water quality, habitats, natural form and character, water quantity and ecological processes of rivers are maintained or improved by ensuring that: (a) where a target attribute state in Table 8.4 is not met, the state of that attribute is improved throughout ~~in all rivers and river reaches in~~ the **part Freshwater Management Unit** so that the target attribute state is met within the timeframe indicated within Table 8.4, and (b) where a target attribute state in Table 8.4 is met, the state of that attribute is at least maintained in all rivers within the **part Freshwater Management Unit**, and (c) where any attribute in any river or river reach is in a better state than the target attribute state, that attribute is ~~at least~~ maintained at the better state ~~in every river or river reach~~, and ~~(d) where a **huanga** of **mahinga kai** and **Māori customary use** for locations identified in Schedule B (**Ngā Taonga Nui a Kiwa**) and is not~~	**Appropriateness of the objective** The recommended amendments to Objective WH.O9 are considered the most appropriate to achieve the purpose of the Act because: • The amendments will help guide the prioritisation of sub-catchment improvements • Amendments to the chapeau to reference natural form and character will give effect to the NPS-FM and better relate outcomes to the applicable values. • The insertion of Clause (e) clarifies the nature of the objective and who is responsible for meeting the targets. • Changes to the accompanying table respond to scientific recommendations to refine the key attributes for ecosystem health. They also improve the achievability of targets, with consideration for the costs and practicability of achieving the required improvements within the specified timeframe.

Submission no.	Chapter	Provision	Text of provision with any recommended amendments	Evaluation of amendment (section 32AA assessment)
			~~achieved, the state of the river or river reach is improved.~~ (d) where improvements are required to existing wastewater or stormwater networks: (i) prioritise *E. coli*/enterococci reductions that contribute to achieving the targets for **primary contact site** locations in Table 8.3, ahead of coastal targets in Table 8.1A and then the broader **part Freshwater Management Unit** *E. coli* targets in Table 8.4. (ii) prioritise dissolved copper and dissolved zinc reductions in locations where macroinvertebrate target attribute state(s) in Table 8.4 are not met once the priorities in clause (i) above have been addressed. (e) the targets in Table 8.4 are managed and monitored at a **part Freshwater Management Unit** level, by the Council on behalf of mana whenua and the wider community, and, where specific policies and rules are included in this chapter of the plan to manage an activity, and: (i) when the specific policies and rules are fully satisfied, then the target attribute states can be considered to be consistent with this objective; or (ii) when the specific policies and rules are not satisfied, then an assessment of the impact of an activity or discharge on the	

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			achievement of the target attribute states will be required; or (iii) where policies and rules are not included in this chapter to manage the proposed activity, then an assessment of the impact of an activity or discharge on the achievement of the target attribute states will be required. **[refer below for proposed changes to Table 8.4]**	
S22.003 and others	8 Whaitua Te Whanganui-a-Tara	N/A FW	Add a new objective within chapter 8: Objective WH.10 By 2030, there is no further decline of the health and wellbeing of Te Whanganui-a-Tara's lakes and rivers.	**Appropriateness of the objective** The recommended insertion of Objective WH.O10 is considered the most appropriate to achieve the purpose of the Act as it establishing a 'no further decline' imperative by 2030 in line with the 10 year interim targets required by the NPS-FM.
248.008 193.112 261.133 240.024	9. Te Awarua-o-Porirua Whaitua	P.O1	Objective P.O1 The health of Te Awarua-o-Porirua's groundwater, rivers, lakes, **natural wetlands**, estuaries, harbours and coastal marine area is progressively improved and is wai ora by 2100. ~~*Note*~~ In the wai ora state: • The values of Ngāti Toa Rangatira are upheld by way of revitalising and protecting Ngāti Toa Rangatira practices and tikanga associated with Te Awarua-o-Porirua ~~is a taonga of Ngāti Toa Rangatira and must be respected by others~~ • **Mauri** is restored and waters are in a natural state, where possible	**Appropriateness of the objective** The amendments to Objective P.O1 are considered to be the most appropriate way to achieve the purpose of the Act because: • The amendment to the first bullet point under the 'Note' of the objective provides a specific and measurable resource management outcome to support cultural wellbeing for Ngāti Toa Rangatira. This clarification supports plan implementation. • The remaining amendments to the objective provide greater certainty to plan users and resource consent applicants about how the objectives are intended to be implemented i.e. the objective is a long-term objective that does not need to be considered in resource consent assessments as it is supported by shorter term objectives which are more specific and achievable

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			• Ecological health is excellent in freshwater and coastal water environments • Rivers flow naturally, with ~~ripples~~ riffles, runs and pools, and the river beds are stony • **Mahinga kai**, taonga, mahinga ika and kaimoana species are healthy, abundant, diverse, present across all stages of life, sizeable, and able to be culturally harvested by **mana whenua** • **Mahinga kai**, taonga, mahinga ika and kai moana species are safe to harvest and eat or use, including for **mana whenua** to exercise manaakitanga • **Mana whenua** and communities are able to undertake a full range of activities • **Mana whenua** are able to undertake cultural activities and practices • Water is able to be used for social and economic use benefits, provided that the health and well-being of waterbodies, freshwater ecosystems and coastal waters is not compromised. *Note:* Objectives P.O2 to P.O6 set out what is needed to achieve progressive implementation of this long-term objective. Therefore, resource consent applicants do not need to demonstrate their proposed activities align with this objective.	within the life of the plan. The amendments also provide for use of freshwater resources to support social, economic, environmental and cultural wellbeing while at the same time setting an expectation to protect and restore freshwater bodies wherever possible. In doing so, the amendments give effect to the NPS-FM and Te Mana o te Wai.
S261.004 S249.002 S261.134 S193.113	9. Te Awarua-o-Porirua Whaitua	P.O2 FW	Objective P.O2 Te Awarua-o-Porirua's groundwater, rivers, lakes and **natural wetlands**, and their margins are on a trajectory of ~~measurable~~ improvement towards wai ora, such that by 2040:	**Appropriateness of the objective** The recommended amendments are considered to be the most appropriate for the following reasons: • The amendments in the chapeau and clause (a) clarify the relationship of the environmental outcome objectives and the TAS objectives that do the 'measuring'.

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			(a) water quality, habitats, aquatic life, water quantity and ecological processes are at a level where the state of ~~aquatic life~~ ecosystem health is meaningfully improved in accordance with P.O6, and (b) natural form and character is maintained, or where degraded, improvement has been made to limit erosion processes, including bank stability, ~~are improved~~ to significantly reduce the sedimentation rate in the harbour ~~to a more natural level~~, and the extent and condition of indigenous riparian vegetation is increased and improved, supporting ecosystem health, and ~~(c) the extent and condition of indigenous riparian vegetation is increased and improved, and~~ (d) the diversity, abundance and condition of **mahinga kai** are increased so that **mana whenua** are able to harvest healthy **mahinga kai** for their people, and ~~(e) **huanga** of mahinga kai and **Māori customary use** for locations identified in Schedule B (**Ngā Taonga Nui a Kiwa**) are maintained or improved, and~~ (f) **mana whenua** are able to more safely connect with freshwater and are able to practice their customary and cultural practices, including **mahinga kai** gathering, and (g) **mana whenua** and communities can more safely connect with waterbodies and enjoy a	• The amendments also better support implementation of clause 3.9 of the NPS-FM as the clauses are linked to relevant values. • The recommended deletion of clause (e) ensures all freshwater is considered in relation to the key NPS-FM values, not just those in Schedule B. This change more appropriately gives effect to the NPS-FM.

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			wider range of activities, including swimming, paddling and fishing ~~food gathering~~, and (h) people and communities can provide for social and economic use benefits, provided that the health and well-being of waterbodies and ecosystems is not compromised. the freshwater **environmental outcomes** must contribute to the: (i) maintenance and improvement of the health and wellbeing of estuaries, harbours and open coastal areas, and (j) protection and **restoration** of sites within significant values.	
S101.040 S193.114 S101.040 S151.056 S151.103	9. Te Awarua-o-Porirua Whaitua	P.O3	Objective P.O3 ~~The health and wellbeing of c~~ Coastal water quality, and the health and wellbeing of ecosystems and habitats in Pāuatahanui Inlet, Onepoto Arm and the open coastal areas of Te Awarua-o-Porirua is maintained, or improved where deteriorated, to achieve the coastal water objectives set out in Table 9.1 and 9.1A, and by 2040: (a) sediment and metal loads entering the **harbour arm catchments** either via freshwater bodies or directly are significantly reduced, and ~~(b) high contaminant concentrations, including around discharge points, are reduced, and~~ (c) the diversity, abundance and condition of **mahinga kai** has increased so that **mana**	**Appropriateness of the objective** The recommended amendments to Objective P. O3 are considered the most appropriate to achieve the purpose of the Act because: • The amendments to the chapeau offer clearer guidance for plan users by specifying that the intention of the objective is to require improvements in coastal water quality and health where specific parameters are not met. This ensures the objective aligns with the overarching purpose of the RMA, particularly in promoting the enhancement of coastal water quality, supporting social, economic, cultural and environmental wellbeing. • The deletion of clause (g) removes duplication with clause (h). Additionally, amendments to clause (h) better reflect the intent and scope of PC1, placing

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			whenua access to healthy **mahinga kai** has increased, and (d) **huanga** of **mahinga kai** and **Māori customary use** for locations identified in Schedule B (**Ngā Taonga Nui a Kiwa**) are maintained or improved, and (e) the extent and condition of estuarine seagrass, saltmarsh and brackish water submerged macrophytes are increased and improved to support abundant and diverse biota, and (f) coastal areas support healthy functioning ecosystems, and their water conditions and habitats support the presence, abundance, survival, and recovery of **taonga species** and At-risk and Threatened species, and ~~(g) **mana whenua** are able to safely connect with and access the coastal marine area and practice their customary and cultural **tikanga**, and~~ (h) **mana whenua** and communities can safely ~~connect with~~ use the coastal marine area and enjoy a wider range of activities, including food gathering, swimming, ~~and~~ paddling, **Māori customary use** and **tikanga,** and (i) for coastal areas not covered by Table 9.1, in addition to relevant matters in (a)-(h) above: • fish and benthic invertebrate communities are resilient and their	greater emphasis on the suitability of coastal waters for human use, rather than physical access. • The inclusion of defined terms in the NRP in Clause (h) provides greater certainty for both plan users and resource consent applicants, ensuring clearer interpretation and application of the objective. Changes to the accompanying table respond to scientific recommendations to refine the target for sedimentation and revise the metal targets to maintain within a 'band' to accommodate for natural accumulation. The deletion of (b) resolves a conflicting expectation for metals between this clause and the 'maintenance' approach within the table and a new clause for coastal areas not covered by the table has been added, which will better manage risks within the open coast areas of the whaitua.

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			structure, composition and diversity are maintained, and • there is no increase in the frequency of nuisance macroalgal blooms, and • phytoplankton levels are maintained and monitored in applicable areas of point source discharges and locations that experience riverine mouth closures with limited water mixing. **[refer below for Table 9.1]**	
S217.014	9. Te Awarua-o-Porirua Whaitua	P.O5 FW	Objective P.O5 Groundwater flows and levels, and water quality, are maintained at levels that ~~protect~~ ensure that: (a) groundwater dependent ecosystems are maintained, or improved where degraded, and (b) the values of connected **surface water bodies** in places where groundwater flows to surface water are maintained, or improved where degraded.	**Appropriateness of the objective** The recommended amendments to Objective P.O5 are considered the most appropriate to achieve the purpose of the Act as the amendment clarify that improvements are only required to degraded water, better aligning with the NPS-FM.
S151.003 S151.004 S193.007 S222.032 S206.034 S206.062 S151.060	9. Te Awarua-o-Porirua Whaitua	P.O6 FW	Objective P.O6 Water quality, habitats, natural form and character, water quantity and ecological processes of rivers are maintained or improved by ensuring that: (a) where a target attribute state in Table 9.2 is not met, the state of that attribute is improved throughout ~~in all rivers and river reaches in~~ the **part Freshwater Management Unit** so that the	**Appropriateness of the objective** The recommended amendments to Objective P. O6 are considered the most appropriate to achieve the purpose of the Act because: • The amendments will help guide the prioritisation of sub-catchment improvements

Submission no.	Chapter	Provision	Text of provision with any recommended amendments	Evaluation of amendment (section 32AA assessment)
			target attribute state is met within the timeframe indicated within Table 9.2, and (b) where a target attribute state in Table 9.2 is met, the state of that attribute is at least maintained in all rivers within the **part Freshwater Management Unit**, and (c) where any attribute in any river or river reach is in a better state than the target attribute state, that attribute is ~~at least~~ maintained ~~at the better state in every river or river reach~~, and ~~(d) where a **huanga** of **mahinga kai** and **Māori customary use** for locations identified in Schedule B (**Ngā Taonga Nui a Kiwa**) is not achieved, the state of the river or river reach is improved.~~ (e) where improvements are required to existing wastewater or stormwater networks: (i) prioritise *E.coli*/enterococci reductions that contribute to achieving the targets for coastal locations noted in Table 9.1As, ahead of broader **part Freshwater Management Unit** *E.coli* targets in Table 9.2. (ii) prioritise dissolved copper and dissolved reductions in locations where macroinvertebrate target attribute state(s) in Table 8.4 are not met once the priorities in clause (i) above have been addressed.	• Amendments to the chapeau to reference natural form and character will give effect to the NPS-FM and better relate outcomes to applicable values. • The insertion of Clause (e) clarifies the nature of the objective and who is responsible for meeting them. • Changes to the accompanying table respond to scientific recommendations to refine the key attributes for ecosystem health. They also improve the achievability of targets, with consideration for the costs and practicability of achieving the required improvements within the specified timeframe.

Submission no.	Chapter	Provision	Text of provision with any recommended amendments	Evaluation of amendment (section 32AA assessment)
			(f) the targets in Table 9.2 are managed and monitored at a **part Freshwater Management Unit** level, by the Council on behalf of mana whenua and the wider community, and, where specific policies and rules are included in this chapter of the plan to manage an activity, and: (i) when the specific policies and rules are fully satisfied, then the target attribute states can be considered to be consistent with this objective; or (ii) when the specific policies and rules are not satisfied these are not satisfied, then an assessment of the impact of an activity or discharge on the achievement of the target attribute states will be required; or (iii) where policies and rules are not included in this chapter to manage the proposed activity, a specific assessment of the impact of an activity or discharge on the achievement of the target attribute states is required. **[refer below for Table 9.2]**	
S22.003 and others	9. Te Awarua-o-Porirua Whaitua	N/A FW	Add a new objective within chapter 9: Objective P.O7 By 2030, there is no further decline of the health and wellbeing of Te Awarua-o-Porirua's rivers.	**Appropriateness of the objective** The recommended insertion of Objective P. O7 is considered the most appropriate to achieve the purpose of the Act as it establishing a 'no further decline' imperative by 2030 in line with the 10 year interim targets required by the NPS-FM.
S31.003 S31.005	Schedule 28	Schedule 28	"... **Target Load Reductions**	**Appropriateness of the objective**

Submission no.	Chapter	Provision	Text of provision with any recommended amendments	Evaluation of amendment (section 32AA assessment)
			To minimise the negative effect of stormwater discharges from new and redeveloped impervious surfaces on the achievement of the target attribute states for dissolved copper and zinc (Table 8.4 and Table 9.2) and the coastal objectives for copper and zinc in sediment (Table 8.1 and Table 9.1), all new and redeveloped impervious surfaces are to be treated to meet an equivalent target load reduction for copper and zinc to those set out for a raingarden/bioretention device, as per Table 1. ...”	The recommended change to Schedule 28 is to clarify the application of the objectives and will achieve the purpose of the Act consistent with the improvements required by the NPS-FM.

Table 8.1: Coastal water objectives

Parameter	Unit	Statistic	Timeframe	Coastal Water Management Units (Map 83)						
				Te Whanganui-a-Tara ~~(~~Harbour ~~and estuaries)~~		Mākara Estuary		~~Wainuiomata Estuary~~ Other Estuaries		~~Wai Tai~~
				Current state	Target	Current state	Target	Current state	Target	
~~**Benthic marine invertebrate diversity**~~	~~Subjective - State of ecosystem health and level of disturbance~~		By 2040	~~Maintain or improve~~						~~Maintain or improve~~
Macroalgae	EQR	Latest score		N/A	~~M~~ N/A	no data	M	no data	M	
~~**Phytoplankton**~~	~~mg chl-*a*/m^3~~			~~Maintain or improve~~						
Copper in sediment	mg/kg	Mean of replicate samples		13.7	~~M~~ <32.5	N/A	~~Maintain or improve~~ N/A	no data	M	
Zinc in sediment	mg/kg			113.8	~~M~~ <200	N/A	~~Maintain or improve~~ N/A	no data	M	
Muddiness	% >50% mud	Latest score		no data	M	no data	≤5	no data	M	
	% of sample			62.3	M	no data	<10	no data	M	
Sedimentation rate	~~Current:Natural~~ mm/year	5-year mean		no data	~~M~~ N/A	no data	~~≤2:1~~ Improve	no data	M	
~~**Enterococci**~~	~~cfu/100 mL~~	~~95th %ile~~		~~≤200~~		~~Maintain or improve~~		~~Maintain or improve~~		

M = Maintain; Maintenance in the state of a target will be assessed through:

- Benchmarking against the baseline threshold and trend analysis or appropriate statistical analysis; and
- Taking the impact of climate and human activity into account.

All current state data = most recent available as at 2025

Table 8.1A: Coastal water enterococci objectives

Site	Current State[1]	Target[2]
Te Whanganui-a-Tara (Harbour and estuaries)		
Petone Beach at Water Ski Club	574	~~200~~ 500
Petone Beach at Sydney Street	920	~~200~~ 500
Petone Beach at Kiosk	660	~~200~~ 500
Sorrento Bay	356	200
Lowry Bay at Cheviot Road	256	200
York Bay	233	200
Days Bay at Wellesley College	208	200
Days Bay at Wharf	148	200
Days Bay at Moana Road	272	200
Rona Bay at N end of Cliff Bishop Park	474	~~200~~ 500
Rona Bay at Wharf	249	200
Robinson Bay at HW Shortt Rec Ground	156	200
Robinson Bay at Nikau Street	101	200
Wellington City Waterfront at Shed 6	1365	~~200~~ 50% improvement towards meeting 500
Whairepo Lagoon	404	~~200~~ 500
Wellington Harbour at Taranaki St Dive Platform	1800	~~200~~ 50% improvement towards meeting 500
Oriental Bay at Freyberg Beach	51	200
Oriental Bay at Wishing Well	200	200
Oriental Bay at Band Rotunda	423	~~200~~ 500
Balaena Bay	315	200
Hataitai Beach	254	200
Shark Bay	185	200
Mahanga Bay	148	200
Scorching Bay	28	200
Worser Bay	253	200
Seatoun Beach at Wharf	173	200
Seatoun Beach at Inglis Street	220	200
Breaker Bay	51	200
Wai Tai		
Lyall Bay at Tirangi Road	452	~~Maintain or improve~~ 500
Lyall Bay at Onepu Road	165	~~Maintain or improve~~ 200
Lyall Bay at Queens Drive	149	~~Maintain or improve~~ 200
Princess Bay	23	~~Maintain or improve~~ 200
Island Bay at Surf Club	574	~~Maintain or improve~~ 500
Island Bay at Reef St Recreation Ground	896	~~Maintain or improve~~ 500
Island Bay at Derwent Street	142	~~Maintain or improve~~ 200

Site	Current State[1]	Target[2]
Ōwhiro Bay	1051	~~Maintain or improve~~ 50% improvement towards meeting 500
Mākara and Wainuiomata Estuaries		
No monitoring sites	no data	M~~aintain or improve~~
Any other locations		
No monitoring sites	no data	M~~aintain or improve~~

1. As at 17 December 2024, 5-year summer 95th percentile Cfu/100 ml
2. Cfu/100 ml 95th %ile

M = Maintain; Maintenance in the state of a target will be assessed through:

- Benchmarking against the baseline threshold and trend analysis or appropriate statistical analysis; and
- Taking the impact of climate and human activity into account.

Table 8.2: Target attribute states for lakes

				Part Freshwater Management Units (Map 80)								Other lakes default TAS[1]
				Lake Kōhangatera				Lake Kōhangapiripiri				
				Baseline		TAS[1]		Baseline		TAS[1]		
Parameter	Unit	Statistic	Timeframe	Numeric	State	Numeric	State	Numeric	State	Numeric	State	
Phytoplankton[2]	mg chl-a/m^3	Median	By 2040	5.0	C	≤2	A	1.5	A	M	A	M
		Maximum		35		≤10		6.0				
Total nitrogen[2]	mg/m^3	Median		480	B	M	B	660	C	≤500	B	
Total phosphorus[2]	mg/m^3	Median		40	C	≤20	B	43	C	≤20	B	
Ammonia (toxicity)[2]	mg/L	Median		0.005	A	M	A	0.003	A	M	A	
		95th %ile		0.024				0.005				
Escherichia coli (E. coli)[2]	/100mL	Median		125	A		A	23	A		A	
		%>260/100mL		174				0				
		%>540/100mL		0				0				
		95th %ile		350				186				
Cyanobacteria (planktonic)[2]	Total biovolume mm^3/L	80th %ile		0.248	A		A	0.008	A		A	
Submerged plants (natives)	Native Condition Index (% of max)	Latest		81.4	A		A	35.7	C	≥75	A	
Submerged plants (invasive species)	Invasive Impact Index (% of max)	Latest		15.6	B		B	61.5	C	≤25	B	
Lake-bottom dissolved oxygen[3]	mg/L	Annual minimum		Insufficient data		~~≥7.5 A~~ M		Insufficient data		~~≥7.5 A~~ M		

[1] M = Maintain; I = Improve. Maintenance, improvement or deterioration in the state of an attribute will be assessed through:

- Benchmarking against the TAS thresholds and trend analysis or appropriate statistical analysis; and
- Taking the impact of climate and human activity into account.

[2] Baseline state based on limited data collected over a period that is inconsistent with the monitoring requirements and baseline period defined in the National Policy Statement for Freshwater Management 2020.

[3] Baseline state unknown; further monitoring needed to determine whether the attribute needs to be improved to the TAS or be maintained at a better state.

Table 8.3: Primary contact site objectives in rivers

Parameter		*Escherichia coli* September to April inclusive			
Unit		cfu/100 mL			
Statistic		95th percentile			
		Baseline*		TAS	
Water body	Primary contact site (Map 85)	Numeric	State	Numeric	State
Te Awa Kairangi/Hutt River	@Birchville	122	Excellent	M	Excellent
	@Maoribank Corner	123	Excellent	M	Excellent
	@Poets Parks	117	Excellent	M	Excellent
	@Upstream Silverstream Bridge	164	Good	M	Good
	@Taita Rock	~~Insufficient data~~ 178**	Good	~~Maintain at or improve to~~ M	Good
	@Melling Bridge	704	Poor	≤540	Fair
Pākuratahi River	@Hutt Forks	199	Good	M	Good
	@Kaitoke Campground	~~Insufficient data~~ >3000**	Poor	~~Maintain at or improve to~~ ≤540	Fair
Akatarawa River	@Hutt Confluence	420	Fair	M	Fair
Wainuiomata River	@Richard Prouse Park	966	Poor	≤540	Fair

* baseline states as at 7 September 2017, except where indicated

** current state, as at October 2023

Table 8.4: Target attribute states for rivers

				Part Freshwater Management Units for Te Awa Kairangi, Ōrongorongo and Wainuiomata (Map 79)*																			
				Ōrongorongo, Te Awa Kairangi and Wainuiomata small forested and Te Awa Kairangi forested mainstems					Te Awa Kairangi lower mainstem					Te Awa Kairangi rural streams and rural mainstems					Te Awa Kairangi urban streams				
				Whakatikei R. @ Riverstone				~~Part FMU default TAS[1]~~	Hutt R. @ Boulcott				~~Part FMU default TAS[1]~~	Mangaroa R. @ Te Marua				~~Part FMU default TAS[1]~~	Hulls Ck adj. Reynolds Bach Dr.				~~Part FMU default TAS[1]~~
				Baseline		TAS[1]			Baseline		TAS[1]			Baseline		TAS[1]			Baseline[2]		TAS[1]		
Parameter	Unit	Statistic	Timeframe	Numeric	State	Numeric	State		Numeric	State	Numeric	State		Numeric	State	Numeric	State		Numeric	State	Numeric	State	
Periphyton biomass[2]	mg chl-a/m²	92nd %ile		Insufficient data		≤50	A		284	D	≤120	B	~~I~~	220	D	≤120	B	~~I~~	Insufficient data		≤200	C	
Ammonia (toxicity)	mg/L	Median		0.002	A	M[1]	A		0.002	A	M[1]	A	~~M~~	0.002	A	M[1]	A	~~M~~	0.008	A	M[1]	A	~~M~~
		95th %ile		0.004					0.003					0.01					0.012				
Nitrate (toxicity)	mg/L	Median		0.1	A		A		0.2	A		A		0.4	A		A		0.2	A		A	
		95th %ile		0.3					0.3					0.6					0.4				
Suspended fine sediment	Black disc (m)	Median		4	A		A		2.4	C	≥2.95	A		1.5	D	~~≥2.22~~ 1.67	~~C~~D		1.2	A		A	
Escherichia coli (E. coli)	/100mL	Median		22	A		A	~~M~~	58	D	≤58	C	~~I~~	170	D	≤130	~~B~~ C	~~I~~	1,100	E	~~≤130~~ 260	~~C~~ D	~~I~~
		%>260/100mL		5					18		≤18			35		~~≤30~~ 34			100		~~≤34~~ 50		
		%>540/100mL		3					8		≤8			18		~~≤10~~ 20			79		~~≤20~~ 30		
		95th %ile		290					1,250		≤1,200			2,450		~~≤1,000~~ 1200			13,000		~~≤1,200~~ 13,000		
Fish	Fish-IBI	Latest		Insufficient data		≥34	A		Insufficient data		≥34	A	~~M~~	Insufficient data		≥34	A		~~Insufficient data~~ 36**	A**	≥34	A	
~~Fish community health (abundance, structure and composition)~~		~~Expert assessment[3]~~		~~Insufficient data~~		~~N/A[3]~~	~~A~~		~~Insufficient data~~		~~N/A[3]~~	~~B~~		~~Insufficient data~~		~~N/A[3]~~	~~B~~		~~Insufficient data~~		~~N/A[3]~~	~~C~~	
Macroinvertebrates (1 of 2)	MCI	Median	By 2040	129.6	B	≥130	A	~~I~~	109.1	C	110	B	~~I~~	118.3	C	≥118.3	B		93.2**	D**	≥90	C	
	QMCI	Median		7.0		≥7			5.5		5.5			5.7		≥5.7			3.3**		≥4.5		
Macroinvertebrates (2 of 2)	ASPM	Median		0.56	B	≥0.6	A		0.4	B	M[1]	B		0.5	B	M[1]	B	~~M~~	0.31**	C**	≥0.3	C	
Deposited fine sediment[2]	%cover	Median		25	C	≤13	A		5	A		A		0	A		A		11	B	M[1]	B	~~M~~
Dissolved oxygen	mg/L	1-day minimum		Insufficient data		≥7.5	A	~~M~~	Insufficient data		≥7.5	A		Insufficient data		≥7.5	A		Insufficient data		≥7.5	A	
		7-day mean minimum				≥8.0					≥8.0					≥8.0					≥8.0		
Dissolved inorganic nitrogen[4]	mg/L	Median		0.15		M[1]			0.2		M[1]		~~M~~	0.44		M[1]			0.24		M[1]		
Dissolved reactive phosphorus[4]	mg/L	Median		0.008		~~≤0.006~~ 0.008		~~I~~	0.004					0.010		≤0.006		~~I~~	0.018				
		95th%ile		0.011		≤0.011			0.008					0.015		≤0.015			0.027				
Dissolved copper	µg/L	Median		Insufficient data		≤1	A	~~M~~	0.3	A	M[1]	A		Insufficient data		≤1	A	~~M~~	1.9	C	~~≤1.4~~ n/a	~~B~~ Improve within C band	~~I~~
		95th %ile				≤1.4			0.6							≤1.4			3.6		~~≤1.8~~ n/a		
Dissolved zinc	µg/L	Median				≤2.4	A		0.5	A		A				≤2.4	A		8.0	C	~~≤8~~ n/a	~~B~~ Improve within C band	~~I~~
		95th %ile				≤8			1.9							≤8			19.2		~~≤15~~ n/a		
~~Ecosystem metabolism[5]~~	~~g O_2 m^{-2} d^{-1}~~	~~N/A[5]~~		~~M~~																			

				Part Freshwater Management Units for Te Awa Kairangi, Ōrongorongo and Wainuiomata (Map 79)*														Part Freshwater Management unit for South-west coast, Mākara and Ōhariu catchment and Parangarahu Lakes (Map 79)*				
				Waiwhetū Stream					Wainuiomata urban streams					Wainuiomata rural streams					Parangarahu catchment streams and South-west coast rural streams				
				Waiwhetū S. @ Whites Line East					Black Ck @ Rowe Parade					Wainuiomata River D/S of White Br.					Mākara S. @ Kennels				
				Baseline		TAS[+]		Part FMU default TAS[+]	Baseline[2]		TAS[+]		Part FMU default TAS[+]	Baseline		TAS[+]		Part FMU default TAS[+]	Baseline		TAS[+]		Part FMU default TAS[+]
Parameter	Unit	Statistic	Timeframe	Numeric	State	Numeric	State		Numeric	State	Numeric	State		Numeric	State	Numeric	State		Numeric	State	Numeric	State	
Periphyton biomass[2]	mg chl-a/m^2	92nd %ile	By 2040	Insufficient data		~~≤200~~ 120	~~C~~ B	~~M~~	Insufficient data		≤200	C	~~M~~	324	D	≤200	~~C~~ B	~~I~~	Insufficient data		≤200	C	~~M~~
Ammonia (toxicity)	mg/L	Median		0.027	B	~~≤0.02~~ 0.027	~~A~~ B	~~I~~	0.025	B	~~≤0.030~~ .025	~~A~~ B	~~I~~	0.004	A	M[1]	A	~~M~~	0.005	A	M[1]	A	
		95th %ile		0.076		~~≤0.050~~ .076			0.066		~~≤0.050~~ .066			0.025					0.023				
Nitrate (toxicity)	mg/L	Median		0.5	A	M[1]	A	~~M~~	0.4	A	M[1]	A	~~M~~	0.2	A		A		0.4	A		A	
		95th %ile		0.9					0.7					0.4					1.2				
Suspended fine sediment	Black disc(m)	Median		1.1	A		A		1.3	D	≥2.22	C		2.1	D	≥2.22	C		1.6	D	≥2.22	C	
Escherichia coli (E. coli)	/100mL	Median		495	E	≤130	~~C~~ D	~~I~~	1250	E	~~≤130~~ 260	~~C~~ D	~~I~~	100	B	≤100	A	~~I~~	375	E	≤260	D	~~I~~
		%>260/100mL		73		≤34			86		~~≤34~~ 50			18		≤18			62		≤50		
		%>540/100mL		42		≤20			71		~~≤20~~ 30			7		≤5			32		≤30		
		95th %ile		5,800		≤1200			4,360		~~≤1200~~ 4,360			1,000		≤540			6,500		≤3,850		
Fish	Fish-IBI	Latest		Insufficient data		≥34	A	~~M~~	~~Insufficient data 30~~**	~~B~~**	≥34	A	~~M~~	Insufficient data		≥34	A	~~M~~	~~Insufficient data 46~~**	~~A~~**	≥34	A	
~~Fish community health (abundance, structure and composition)~~		~~Expert assessment[3]~~		~~Insufficient data~~		~~N/A[3]~~	~~C~~		~~Insufficient data~~		~~N/A[3]~~	~~C~~		~~Insufficient data~~		~~N/A[3]~~	~~B~~		~~Insufficient data~~		~~N/A[3]~~	~~C~~	~~M~~
Macroinvertebrates (1 of 2)	MCI	Median		55.4	D	≥90	C		~~99~~**	~~D~~**	≥90	C	~~I~~	109.5	C	≥110	B	~~I~~	107.3	C	M[1]	C	
	QMCI	Median		2.2		≥4.5			~~4.1~~**		≥4.5			4.9		≥5.5			5.1				
Macroinvertebrates (2 of 2)	ASPM	Median		0.1	D	≥0.3	C	~~I~~	~~0.40~~**	~~B~~**	≥0.3	C		0.4	B	≥0.6	A		0.4	B		B	
Deposited fine sediment[2]	%cover	Median		30	D	≤29	C		11	A	M[1]	A		20	C	≤13	A		85	D	≤27	C	~~I~~
Dissolved oxygen	mg/L	1-day minimum		Insufficient data		≥7.5	A		Insufficient data		≥7.5	A	~~M~~	Insufficient data		≥7.5	A	~~M~~	Insufficient data		≥7.5	A	~~M~~
		7-day mean minimum				≥8.0					≥8.0					≥8.0					≥8.0		
Dissolved inorganic nitrogen[4]	mg/L	Median		0.56		M[1]		~~M~~	0.5		M[1]			0.17		M[1]			0.42		M[1]		
Dissolved reactive phosphorus[4]	mg/L	Median		0.024		~~≤0.018~~ 0.024			0.021		≤0.018		~~I~~	0.011		~~≤0.012~~		~~I~~	0.027		~~≤0.018~~ 0.025		~~I~~
		95th%ile		0.049		~~≤0.049~~ 0.42			0.035		≤0.035			0.023		~~≤0.023~~ 0.017			0.064		~~≤0.054~~ 0.064		
Dissolved copper	µg/L	Median		1.0	C	≤1	~~A~~ C	~~I~~	1.0	C	M[1]	C	~~M~~	Insufficient data		≤1	A	~~M~~	Insufficient data		≤1	A	~~M~~
		95th %ile		4.0		~~≤1.4~~ 4.3			2.0							≤1.4					≤1.4		
Dissolved zinc	µg/L	Median		18.3	D	~~≤8~~ 18.3	~~B~~ C		11.2	D	≤11.2	C	~~I~~			≤2.4	A				≤2.4	A	
		95th %ile		51.5		~~≤15~~ 42			71.2		≤42					≤8					≤8		
~~Ecosystem metabolism~~	~~g O_2 m^{-2} d^{-1}~~	~~N/A[5]~~		~~M~~																			

				Part Freshwater Management Unit for Korokoro catchment (Map 79)*					Part Freshwater Management Unit for Wellington urban catchment (Map79)*									Island rivers part Freshwater Management Unit TAS[1]
				Korokoro Stream					Kaiwharawhara Stream					Wellington urban				
				Korokoro S. @ Cornish St. Br.					Kaiwharawhara S. @ Ngaio Gorge					Karori S. @ Mākara Peak				
				Baseline		TAS[†]		~~Part FMU default TAS[†]~~	Baseline		TAS[†]		~~Part FMU default TAS[†]~~	Baseline		TAS[†]		~~Part FMU default TAS[†]~~	
Parameter	Unit	Statistic	Timeframe	Numeric**	State**	Numeric	State		Numeric	State	Numeric	State		Numeric	State	Numeric	State		
Periphyton biomass[2]	mg chl-a/m²	92nd %ile	By 2040	Insufficient data		≤120	B	~~M~~	191	D	≤200	C	~~I~~	Insufficient data		≤200	C	~~M~~	M
Ammonia (toxicity)	mg/L	Median		0.002	A	≤0.03	A		0.004	A	M[1]	A	~~M~~	0.009	A	M[1]	A		
		95th %ile		0.007		≤0.05			0.031					0.026					
Nitrate (toxicity)	mg/L	Median		0.51	A	≥1	A		1.1	B		B		1.3	B	≤1.0	B		
		95th %ile		0.93		~~≥~~≤1.5			1.5					1.6		M			
Suspended fine sediment	Black disc (m)	Median		3.8	A	≥2.95	A		3.2	A		A		3.2	A	M	A		
Escherichia coli (E. coli)	/100mL	Median		40	B	≤130	B	~~I~~	530	E	≤~~130~~ 260	~~C~~ D	~~I~~	1400	E	≤~~130~~ 260	~~C~~ D	~~I~~	
		%>260/100mL		18%		≤30			73		≤~~34~~ 50			97		≤~~34~~ 50			
		%>540/100mL		9%		≤10			50		≤~~20~~ 30			83		≤~~20~~ 30			
		95th %ile		965		≤1,000			5,150		≤~~1,200~~ 5,150			4,550		≤~~1,200~~ 4,550			
Fish	Fish-IBI	Latest		36	A	≥34	A	~~M~~	~~Insufficient data~~ 36**	A**	≥34	A	~~M~~	~~Insufficient data~~ 24**	C**	≥34	A	~~M~~	
~~Fish community health (abundance, structure and composition)~~		~~Expert assessment[3]~~				~~N/A[3]~~	~~C~~	~~I~~	~~Insufficient data~~		~~N/A[3]~~	~~C~~	~~I~~	~~Insufficient data~~		~~N/A[3]~~	~~C~~	~~I~~	
Macroinvertebrates (1 of 2)	MCI	Median		113	C	≥130	A		81.9	D	≥92.4	C		91.8	D	≥91.8	C		
	QMCI	Median		5.1		≥6.5			2.8		≥4.5			3.1		≥4.5			
Macroinvertebrates (2 of 2)	ASPM	Median		0.57	B	≥0.6	A		0.25	D	≥0.3	C		0.29	D	≥0.3	C		
Deposited fine sediment[2]	%cover	Median		6%	A	≤13	A		20	C	≤13	A		25	C	≤19	B		
Dissolved oxygen	mg/L	1-day minimum		Insufficient data		≥7.5	A	~~M~~	Insufficient data		≥7.5	A	~~M~~	Insufficient data		≥7.5	A		
		7-day mean minimum				≥8.0					≥8.0					≥8.0			
Dissolved inorganic nitrogen[4]	mg/L	Median		0.51		≤0.26			1.14		M[1]			1.29		M[1]		~~M~~	
Dissolved reactive phosphorus[4]	mg/L	Median		0.015	C	≤0.006		~~I~~	0.037		≤~~0.018~~ 0.025			0.035					
		95th%ile		0.020		≤0.021			0.064		≤~~0.054~~ 0.064			0.062					
Dissolved copper	µg/L	Median		0.3	A	≤1	A		1.3	C	≤~~1.3~~ n/a	B Improve within C band		1.3	D	≤1.3	C		
		95th %ile		0.5		≤1.4		~~M~~	2.8		≤~~1.8~~ n/a		~~I~~	5.9		≤4.3		~~I~~	
Dissolved zinc	µg/L	Median		0.5	A	≤2.4	A		6.1	B	≤~~2.4~~ 6.1	~~A~~ B		16.2	D	≤16.2	C		
		95th %ile		0.5		≤8			12.8		≤~~8~~ 12.8			43.0		≤42			
~~Ecosystem metabolism~~	~~g O_2 m^{-2} d^{-1}~~	~~N/A[5]~~		~~M~~															

[1] M = Maintain; I = Improve. Maintenance, improvement or deterioration in the state of an attribute will be assessed through:

- Benchmarking against the TAS thresholds and trend analysis or appropriate statistical analysis; and
- Taking the impact of climate and human activity into account.

[2] Baseline state based on limited data.

~~[3] The A,B,C and D states to be assigned on the basis of fish community health reflecting an excellent, good, fair and poor state of aquatic ecosystem health respectively.~~

[4] Median concentration targets reflect the nutrient outcomes required by Clause 3.13 of the National Policy Statement for Freshwater Management 2020

~~[5] Further monitoring needed to define baseline state and develop attribute state framework.~~

* Baseline states as at 7 September 2017, except where indicated

** Current state, as at 30 June 2024

Table 9.1: Coastal water objectives

Parameter	Unit	Statistic	Timeframe	Coastal Water Management Units (Map 82)								
				Onepoto Arm				Pāuatahanui Inlet				~~Open coast~~
				Intertidal		Subtidal		Intertidal		Subtidal		
				Current state	Target	Current state	Target	Current state	Target	Current state	Target	
~~*Enterococci*~~	~~cfu/ 100 mL~~	~~95th %ile~~	~~2040~~	~~≤500~~				~~≤200~~				~~≤200~~
Macroalgae	EQR	Latest score	~~N/A~~ 2040	0.71	M	no data	M	0.71	M	no data	M	~~Maintain or Improve~~
Copper in sediment	mg/kg	Mean of replicate samples		3.9	~~M~~ <32.5	19.5	~~M~~ <32.5	3.8	~~M~~ <32.5	9.9	~~M~~ <32.5	
Zinc in sediment	mg/kg			53.9	~~M~~ <200	172.5	~~M~~ <305	32.5	<100	74.7	<100	
Muddiness	% >50% mud	Latest score		13.5	M	no data	M	13.5	M	no data	M	
	% of sample			9.3	M	94.5	M	9.4	M	63.0	M	
Sedimentation rate	mm/year	5-year mean		2.7	~~1~~ ≤2.7	9.8	~~1~~ ≤2.7	1.9	~~2~~ ≤3.2	2.8	~~2~~ ≤3.2	

M = Maintain; Maintenance in the state of a target will be assessed through:

- Benchmarking against the baseline threshold and trend analysis or appropriate statistical analysis; and
- Taking the impact of climate and human activity into account.

All current state data = most recent available as at 2025

Table 9.1A: Coastal water objectives - enterococci

Site	Current state[1]	Target[2]
Te Awarua-o-Porirua Harbour		
Waka Ama	2680	~~500~~ 50% improvement towards meeting 500
Rowing Club	1820	~~500~~ 50% improvement towards meeting 500
Paremata Bridge	378	~~200~~ 500
Water Ski Club	1083	~~500~~ 50% improvement towards meeting 500
Open Coast		
Karehana Bay at Cluny Road	408	~~M~~ 500
Plimmerton Beach at Bath Street	628	~~M~~ 500
Plimmerton at South Beach	738	~~M~~ 500
Tītahi Bay at Bay Drive	293	~~M~~ 200
Tītahi Bay at Toms Road	218	~~M~~ 200
Tītahi Bay at South Beach Access Road	458	~~M~~ 500
Any other locations		
No monitoring sites	-	M

1. As at 17 December 2024, 5-year summer 95th %ile Cfu/100 ml
2. Cfu/100 ml 95th %ile

M = Maintain; Maintenance in the state of a target will be assessed through:

- Benchmarking against the baseline threshold and trend analysis or appropriate statistical analysis; and
- Taking the impact of climate and human activity into account.

Table 9.2: Target attribute states for rivers

				Part Freshwater Management Units (Map 78)*																			
				Taupō					Pouewe					Wai-O-Hata					Takapū				
				Taupō S. @ Plimmerton Domain					Horokiri S. @ Snodgrass					Duck Ck @ Tradewinds Dr. Br.					Pāuatahanui S. @ Elmwood Br.				
				Baseline		TAS†		Part FMU default TAS†	Baseline		TAS†		Part FMU default TAS†	Baseline		TAS†		Part FMU default TAS†	Baseline		TAS†		Part FMU default TAS†
Parameter	Unit	Statistic	Timeframe	Numeric	State	Numeric	State		Numeric	State	Numeric	State		Numeric	State	Numeric	State		Numeric	State	Numeric	State	
Periphyton biomass	mg chl-a/m²	92nd %ile		N/A[2]				M	436[3]	D	≤120	B	I	Insufficient data 31.8**	A**	≤120	B	I	Insufficient data		≤120	B	I
Ammonia (toxicity)	mg/L	Median		0.011	B[4]	≤0.03	A	I	0.002	A	M[1]	A	M	0.013	A[4]	M[1]	A	M	0.005	A	M[1]	A	M
		95th %ile		0.051		≤0.05			0.013	A		A		0.044					0.018	A		A	
Nitrate (toxicity)	mg/L	Median		0.4	B[4]	≤1	A		0.6	A				0.5	B[4]	≤1	A	I	0.3	A			
		95th %ile		2.1		≤1.5			1.1	A		A		1.6		≤1.5			0.8	A		A	
Suspended fine sediment	Black disc (m)	Median		1.2	A[4]	≥0.93	A	M	2.3	C		C		1.2	A[4]	≥0.93	A	M	1.8	D	≥2.22	C	
Escherichia coli (E. coli)	/100mL	Median		735	E[4]	≤130	B C	I	370	E	≤130	B C	I	703	E[4]	≤130	C D	I	275	E	≤130	C	I
		%>260/100mL		96		≤30 34			63		≤30 34			92		≤30 34			55		≤20		
		%>540/100mL		62		≤10 20			32		≤10 20			59		≤10 20			18		≤34		
		95th %ile		5,299		≤1,000 1,200			4,950		≤1,000 1,200			4,783		≤1,200			6,050		≤1,200		
Fish	Fish-IBI	Latest		Insufficient data 46**	A**	M[1]		M	Insufficient data 42**	A**	M[1]		M	Insufficient data		M[1]		M	Insufficient data 42**	A**	M[1]		M
Fish community health (abundance, structure and composition)		Expert assessment[5]		Insufficient data		N/A[5]	B		Insufficient data		N/A[5]	A		Insufficient data		N/A[5]	B		Insufficient data		N/A[5]	B	
Macroinvertebrates (1 of 2)	MCI	Median	By 2040	75.9**	D**	≥100	B	I	115.0	B	≥130	A	I	104**	D**	≥100	B	I	101.2	D	≥105	B	I
	QMCI	Median		3.5**		≥5			6.0	B	≥6.5			4.3**		≥5			3.8		≥5.25		
Macroinvertebrates (2 of 2)	ASPM	Median		0.17**	D**	≥0.4	B		0.5	B	M[1]	B	M	0.34	C**	≥0.4	B		0.4	C	≥0.40	C	M
Deposited fine sediment[3]	%cover	Median		N/A[6]					10	A		A		6%	A**			M	60	D	≤27	C	I
Dissolved oxygen	mg/L	1-day minimum		Insufficient data		M[1]		M	Insufficient data		M[1]		M	Insufficient data		M[1]			Insufficient data		M[1]		M
		7-day mean minimum																					
Dissolved inorganic nitrogen[7]	mg/L	Median		0.41[4]		≤1.03		I	0.64					0.48[4]					0.33				
Dissolved reactive phosphorus[7]	mg/L	Median		0.017[4]		M[1]		M	0.011					0.018[4]		M[1]			0.014				
		95th%ile		0.047[4]					0.026					0.05[4]					0.022				
Dissolved copper	µg/L	Median		0.61	D[4]	≤1	B	I	0.03	A[4]	M[1]	A	M	0.47	C[4]	≤1	A B	I	0.06	A[4]	M[1]	A	M
		95th %ile		4.69		≤1.8			0.12					2.93		≤1.4			0.27				
Dissolved zinc	µg/L	Median		3.91	C[4]	≤2.4	A		0.07	A[4]		A		1.96	B[4]	≤2.4 8.	A B		0.11	A[4]		A	
		95th %ile		32.25		≤8			0.23					13.04		≤8 15			0.48				
Ecosystem metabolism	g O_2 m^{-2} d^{-1}	N/A[8]		M																			

				Part Freshwater Management Units (Map 78)*					
				Te Rio o Porirua and Rangituhi					Island rivers TAS[1]
				Porirua S. @ Milk Depot				~~Part FMU default TAS[1]~~	
				Baseline		TAS[1]			
Parameter	Unit	Statistic	Timeframe	Numeric	State	Numeric	State		
Periphyton biomass	mg chl-a/m²	92nd %ile	By 2040	~~Insufficient data~~ 45.6**	A**	≤120	B	~~I~~	M
Ammonia (toxicity)	mg/L	Median		0.006	A	M[1]	A	~~M~~	
		95th %ile		0.034					
Nitrate (toxicity)	mg/L	Median		0.9	B	≤0.9	A	~~I~~	
		95th %ile		1.6		≤1.5			
Suspended fine sediment	Black disc (m)	Median		1.7	A	M[1]	A	~~M~~	
Escherichia coli (E. coli)	/100mL	Median		1400	E	≤~~130~~ 260	~~C~~ D	~~I~~	
		%>260/100 mL		95		≤~~200~~ 50			
		%>540/100 mL		83		≤~~340~~			
		95th %ile		6950		≤~~1200~~ 6,950			
Fish	Fish-IBI	Latest		Insufficient data		M[1]		~~M~~	
~~Fish community health (abundance, structure and composition)~~		~~Expert assessment[5]~~		~~Insufficient data~~		~~N/A[5]~~	~~C~~		
Macroinvertebrates (1 of 2)	MCI	Median		87.0	D	≥90	C	~~I~~	
	QMCI	Median		4.3		≥4.5			
Macroinvertebrates (2 of 2)	ASPM	Median		0.3	D	≥0.3	C		
Deposited fine sediment[3]	%cover	Median		20	C	M[1]	C	~~M~~	
Dissolved oxygen	mg/L	1-day minimum		Insufficient data		M[1]		~~M~~	
		7-day mean minimum							
Dissolved inorganic nitrogen[7]	mg/L	Median		0.92					
Dissolved reactive phosphorus[7]	mg/L	Median		0.018					
		95th%ile		0.034					
Dissolved copper	µg/L	Median		1.1	C	M[1]	C		
		95th %ile		2.6					

Dissolved zinc	**µg/L**	Median	7.5	D	≤7.5	C	~~I~~
		95th %ile	58		≤42		
~~**Ecosystem metabolism**~~	~~**g O_2 m^{-2} d^{-1}**~~	~~N/A[8]~~	~~M[8]~~				

[1] M = Maintain; I = Improve. Maintenance, improvement or deterioration in the state of an attribute will be assessed through:

- Benchmarking against the TAS thresholds and trend analysis or appropriate statistical analysis; and
- Taking the impact of climate and human activity into account.

[2] All rivers in **part Freshwater Management Unit** naturally soft bottomed and unlikely to support periphyton growth (River Environment Classification group = WW/L/SS).

[3] Baseline state based on limited data.

[4] Baseline state based on eWater Source model results. Further monitoring needed to confirm whether the attribute meets the TAS.

[5] The A,B,C and D states to be assigned on the basis of fish community health reflecting an excellent, good, fair and poor state of aquatic ecosystem health respectively.

[6] All rivers in **part Freshwater Management Unit** naturally soft bottomed (River Environment Classification group = WW/L/SS).

[7] Median concentration targets reflect the nutrient outcomes required by Clause 3.13 of the National Policy Statement for Freshwater Management 2020

[8] Further monitoring needed to define baseline state and develop attribute state framework.

* Baseline states as at 7 September 2017, except where indicated

** Current state, as at 30 June 2024