



TE TINI A TUNA

KAITUNA ACTION PLAN
2019-2029



A plan of action prepared by Te Maru o Kaituna

MOEMOEĀ – OUR VISION

**E ORA ANA TE MAURI O TE
KAITUNA, E TIAKINA ANA HOKI
MŌ NGĀ WHAKATUPURANGA Ō
NĀIANEI, Ō MURI NEI HOKI.**

**The Kaituna River
is in a healthy state
and protected for current
and future generations.**



MIHI

Ko Kaituna te awa tupua

Kaituna our guardian

Ko Kaituna te mauri ora

Kaituna our life force

Ko Kaituna te awa tūpuna

Kaituna our ancestral river

Ko Kaituna te oranga whānui

Kaituna our sustenance

Ko Kaituna te awa honohono i te tangata

Kaituna a connector of people

Mai uta ki te tai

From the lakes to the sea

Tēnā koutou katoa, Na te Maru o te Kaituna i tukuna mai ai e mātou te mahere hohenga o tēnei ngahuru ki te mea ko porowhīua he tuna hei kaiārahi.

On behalf of Te Maru o Kaituna we provide this ten year action plan titled Te Tini a Tuna as a working guide towards achieving our future vision for the Kaituna River.

Ngā mihi,

Dean Flavell,
Chair of the Te Maru o Kaituna River Authority



**Te Maru
o Kaituna**

Approved 27 September 2019

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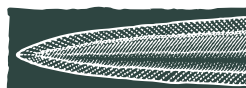
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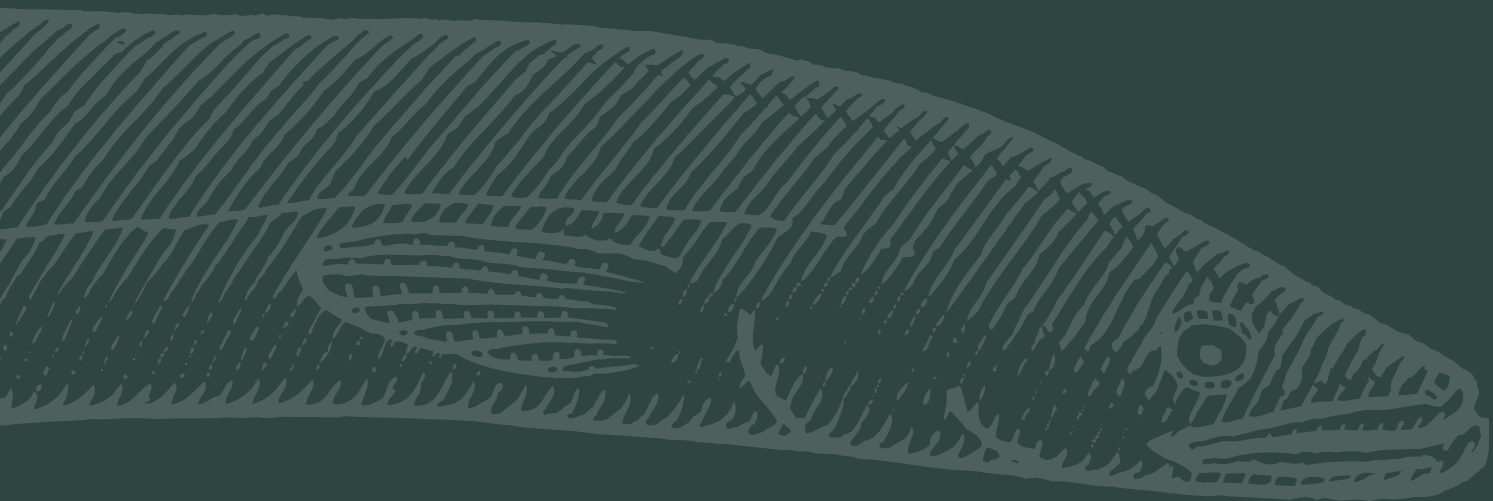
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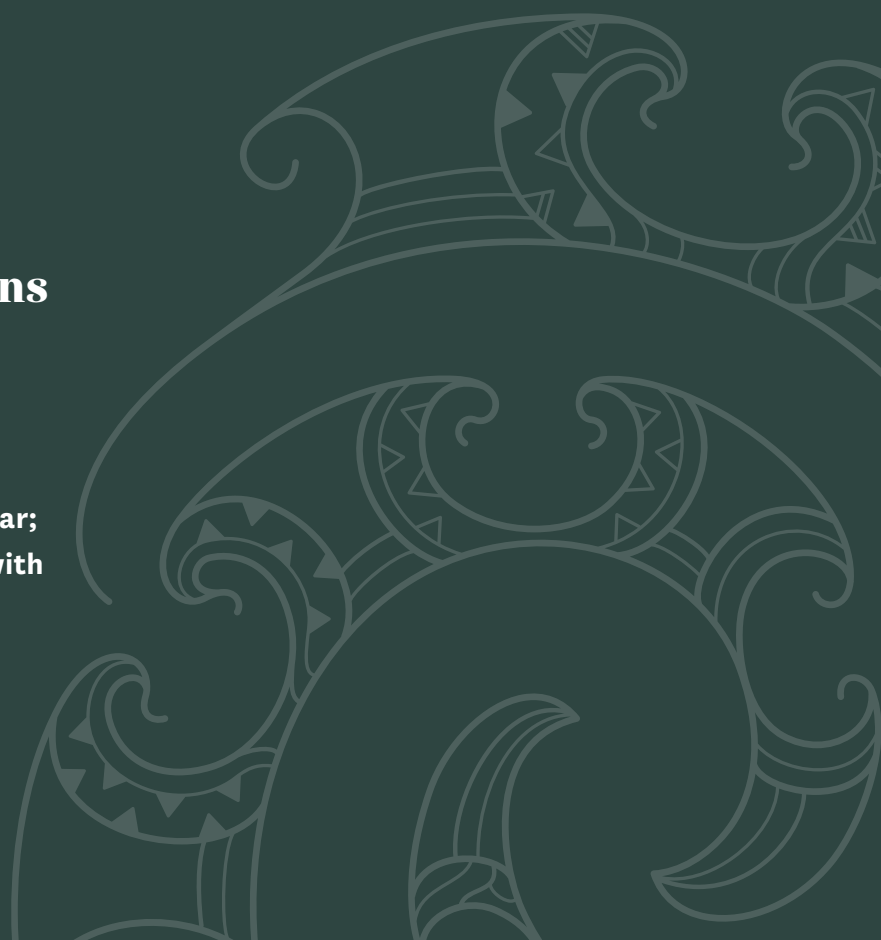


PART ONE - OVERVIEW

TE UPOKO O TE TUNA

**‘Te Upoko o te Tuna’ means
‘the head of the eel’.**

**This part of the plan sets the course or
direction for the Action Plan, in particular;
its purpose, intended use, and linkage with
the Kaituna River Document.**



ABOUT THIS PLAN

In June 2018, Te Maru o Kaituna River Authority approved the strategic road map, the Kaituna River Document (Kaituna, he taonga tuku iho – a treasure handed down).

The Kaituna River Document, which took effect on 1 August 2018, has the following vision:

**E ora ana te mauri o te Kaituna,
e tiakina ana hoki mō
ngā whakatupuranga ō nāianeī,
ō muri nei hoki.**

**The Kaituna River is in a healthy state
and protected for current
and future generations.**

Action Plan purpose

The purpose of this Action Plan is to 'give life' to the Kaituna River Document.

As the name suggests, this plan is about **action**: the work that we will do collectively to achieve this Vision.

It is about targeted action in key areas over the next 10 years.
**In other words, Te Maru o Kaituna will focus on a few things
and do them really well.**

This plan has **three priority actions**:

PRIORITY ACTION 1: Take collective responsibility for improving the health and well-being of the Kaituna River and its tributaries

PRIORITY ACTION 2: Create a network of healthy and diverse Kaituna habitats and ecosystems

PRIORITY ACTION 3: Connect our communities and visitors to our River and to our projects

This plan also includes **two enabling actions**:

ENABLING ACTION 1: Collect good information about the Kaituna River and its tributaries.

ENABLING ACTION 2: Establish a Kaituna River restoration and enhancement fund.

Each action has a series of projects, which are a mix of new and existing initiatives. These are summarised in Part Two of this plan.



Guiding principles

While implementing this plan, Te Maru o Kaituna will be guided by the following principles:

- **Kia whakakotahi | Integrated thinking and action**
We will take a holistic and whole systems approach to improving the health of the Kaituna River.
- **Kia whakapiri | Collective action**
We will work together to effect positive change for the Kaituna River and all it sustains.
- **Kia whakamārama | Collective enlightenment**
We will share information / stories / data to build our collective awareness and understanding about the Kaituna catchment.
- **Kia whakamana | Community empowerment**
We will encourage our communities to lead and/ or be part of projects within the Kaituna River catchment. This includes tangata whenua, local care groups and schools.

Plan theme

This plan is uniquely 'kaituna' and as such, the tuna / eel is interwoven throughout this plan. For example:

- The title of this plan (Te Tini a Tuna) refers to the "abundance of tuna".

This is what we expect to see from implementing this plan.

- The structure of this plan aligns with the parts of the tuna:
 - upoko (head)
 - puku (stomach)
 - taharapa (tail)

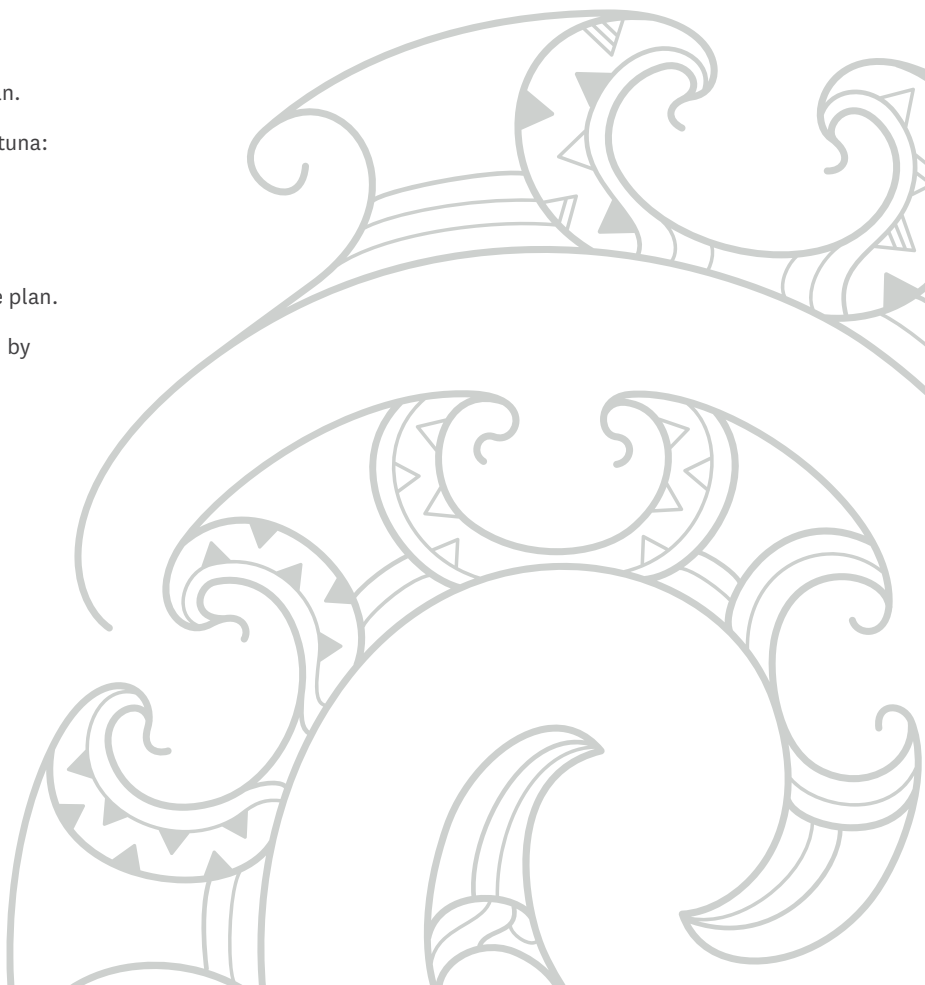
Explanations are provided at the start of each part of the plan.

- The cluster of priority actions in this plan are inspired by what a tuna needs to thrive:
 - good quality water;
 - good habitat and,
 - good connection or passage through the Kaituna catchment.

Developing this plan

The following informed and guided the development of this plan:

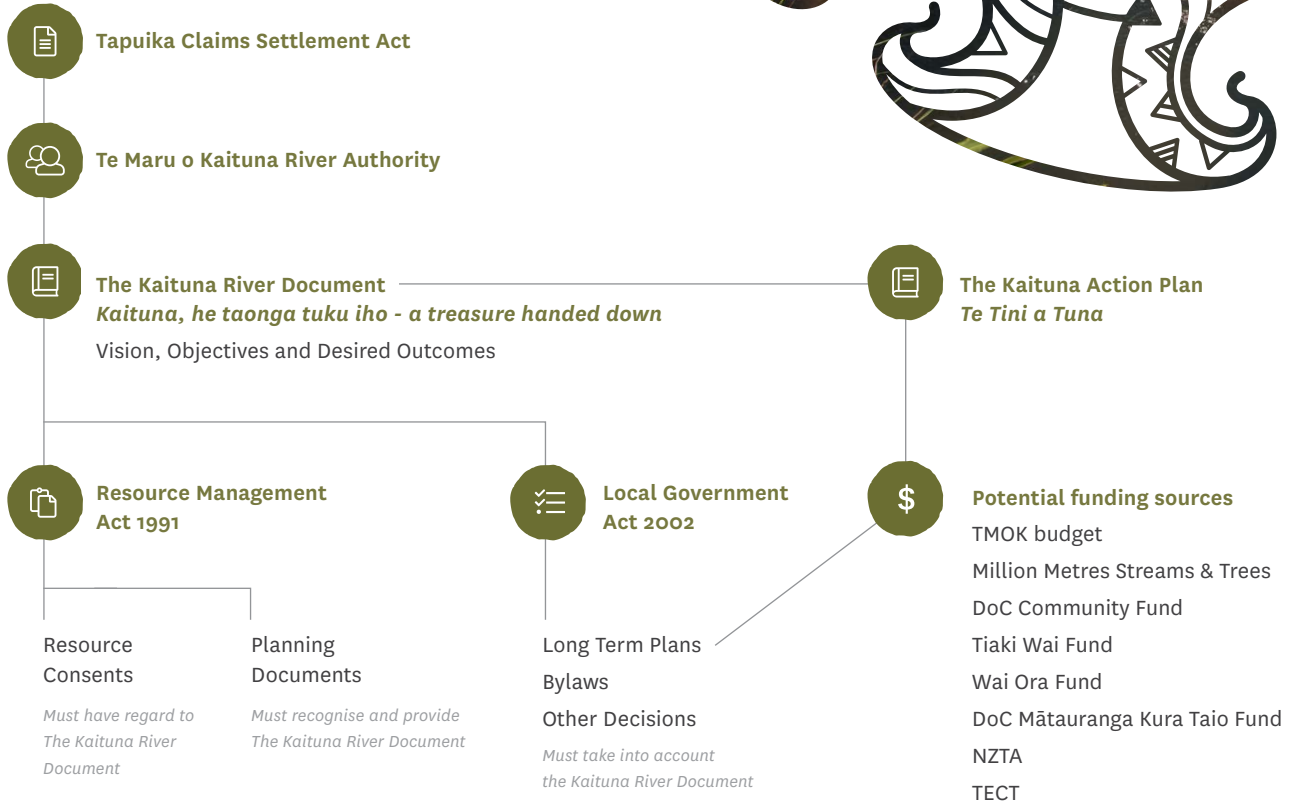
- The Kaituna River Document (including matters raised in submissions to the proposed River Document).
- Workshops with Te Maru o Kaituna.
- Feedback from surveys, meetings and drop-in sessions held in relation to the draft action plan.
- Any relevant outstanding actions from the 2009 Kaituna River and Ōngātoto/ Maketu Estuary Strategy.
- Relevant iwi and hapū management plans.
- Projects listed in the long-term plans, annual plans and work programmes of relevant councils.
- Council research and monitoring reports.



Plan linkages

The following diagram shows the linkages between the Kaituna Action Plan, Kaituna River Document and council plans, processes and decisions.

Influence of The Kaituna River Document



Geographic scope






The geographic scope of this plan is the same as the Kaituna River Document.

In the context of this plan, “our River” relates to the Kaituna River and its tributaries, starting from Te Waipuna – the headwaters at Ōkere Falls to Te Kōngutu Awa – the river mouth at Te Awa o Ngātoroirangi / Maketu Estuary. This includes all rivers and streams flowing into the Kaituna River catchment. In total, there are approximately 1,197 kilometres of waterways in the Kaituna catchment.





A number of projects within this plan involve land within the catchment. This is because activities on land have an impact on the environmental, cultural and spiritual well-being of the Kaituna River.



Legend

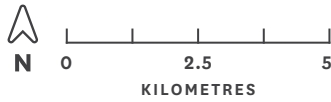
-  **Marae Location**
-  **Co-governance Area**
-  **Urban Areas**
-  **Territorial Boundary**
-  **State Highway**

Landcover

-  Agriculture
-  Indigenous Vegetation
-  Forestry
-  Horticulture

The co-governance area approx. 582km², is co-governed by the statutory body Te Maru o Kaituna (The Kaituna River Authority).

There are other marae outside the co-governance area which have associations with marae inside it but have not been shown here.



Priority wetlands (Project 7)

1. Te Pā Ika wetland
2. Te Pourepo o Kaituna wetland
3. Whakapoukorero wetland
4. Parāwhenuamea wetland
5. Te Tumu stormwater overflow wetlands

Focus Catchments (Project 4)

6. Kopuaroa sub-catchment
7. Waitepuia/ Ford Road sub-catchments
8. Mid-lower Waiari sub-catchment
9. Parāwhenuamea sub-catchment
10. Ohineangaanga sub-catchment

11. Upper catchment 'gateway' (Project 14)





PART TWO – OUR ACTIONS

TE PUKU O TE TUNA

**‘Te Puku o te Tuna’ means
‘the abdomen of the eel’.**

This part of the plan articulates the priority actions and projects that will be taken to improve the environmental, cultural and spiritual well-being of the Kaituna River and all it sustains.

INTRODUCING OUR ACTIONS

For a tuna / eel to thrive, it requires three things: good quality water, good habitat and good connection or passage through the Kaituna catchment.

These requirements have inspired the cluster of **priority actions** and projects, where Te Maru o Kaituna will focus its efforts over the next 10 years.

This plan also includes **two enabling actions** and associated projects. These are actions that are essential to ensure the success of the priority actions.

PRIORITY ACTION 1: Take collective responsibility for improving the health and well-being of the Kaituna River and its tributaries

- Project 1.** Lowland drains and drainage canal improvement project
- Project 2.** Freshwater quality and quantity limits project
- Project 3.** Consented takes and discharges project
- Project 4.** Focus catchments project
- Project 5.** Farm environment plans project

PRIORITY ACTION 2: Create a network of healthy and diverse Kaituna habitats and ecosystems

- Project 6.** Post Kaituna River re-diversion enhancement project
- Project 7.** Wetland re-creation project
- Project 8.** Kaituna habitats network project
- Project 9.** Pātaka kai project

PRIORITY ACTION 3: Connect our communities and visitors to our river and to our projects

- Project 10.** Kaituna community connection project
- Project 11.** Kaituna River access project
- Project 12.** Kaituna cycleway/walkway project
- Project 13.** Kaituna cultural and historical heritage project
- Project 14.** Upper catchment 'gateway' project
- Project 15.** Coastal park network project

ENABLING ACTION 1: Collect good information about the health of the Kaituna River and its tributaries

- Project 16.** State of the Awa integrated monitoring and reporting project
- Project 17.** Kaituna catchment network mapping project

ENABLING ACTION 2: Establish a Kaituna River restoration and enhancement fund

- Project 18.** River restoration and enhancement fund project



Legend

- Marae Location**
- Co-governance Area**
- Urban Areas**
- Territorial Boundary**
- State Highway**

Landcover

- Agriculture
- Indigenous Vegetation
- Forestry
- Horticulture

- Priority wetlands (Project 7)**
 1. Te Pā Ika wetland
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- Focus Catchments (Project 4)**
 6. Kopuaroa sub-catchment
 7. Waitepuia/ Ford Road sub-catchments
 8. Mid-lower Waiari sub-catchment
 9. Parawhenuamea sub-catchment
 10. Ohineangaanga sub-catchment

There are other marae outside the co-governance area which have associations with marae inside it but have not been shown here.

Criteria for prioritising actions and projects

The following criteria was used to help filter the ‘wish list’ of ideas into a suite of realistic actions and projects:

- Aligns with the purpose of Te Maru o Kaituna River Authority.
- Aligns with the Vision for the Kaituna River Document.
- Achieves multiple Kaituna River Document objectives and/or desired outcomes.
- Contributes towards improved water quality and/or water use.
- Enables collaborative action and collective impact.
- Progresses / complements existing projects.
- Involves opportunities for Iwi / hapū-led projects and/or environmental education.

Action and project details

Further details are provided about each action and associated projects.

In relation to each action, this includes:

- Context – what the action is about.
- Linkage – which Kaituna River Document objective(s) the action implements.
- Measuring success – what Te Maru o Kaituna will measure over the next 10 years to know that the actions and projects are making a tangible difference.
- Project outputs and timeframes – a table summarising the key outputs for each 2-3 year timeframe. It also includes the lead agency, key partner and primary source of funding.
- Details about each project, including purpose and method(s) of implementation.

For clarification:

- The lead agency / agencies will be responsible for ‘owning’ and delivering the project.
- The key partner(s) will be involved in implementing the project.

The timing and implementation of projects within this plan may be subject to change based upon confirmation of funding from councils and potential funding partner agencies. For councils, this will be through Long Term Plan and Annual Plan processes.

Acronyms / Abbreviations

The following acronyms and abbreviations are used within this plan:

BOPRC (or Regional Council)	Bay of Plenty Regional Council
DOC	Department of Conservation
EEF	Environmental Enhancement Fund (administered by BOPRC)
F&G	Fish and Game New Zealand
HortNZ	Horticulture New Zealand
MPI	Ministry for Primary Industries
NZKGI	New Zealand Kiwifruit Growers
NZTA	New Zealand Transport Agency
RLC	Rotorua Lakes Council
TCC	Tauranga City Council
TEL	Tauranga Eastern Link
TMoK	Te Maru o Kaituna River Authority
WBOPDC	Western Bay of Plenty District Council



PRIORITY ACTION 1

TAKE COLLECTIVE RESPONSIBILITY FOR IMPROVING THE HEALTH AND WELL-BEING OF THE KAITUNA RIVER AND ITS TRIBUTARIES

Context

Priority Action 1 provides a pathway - and acknowledges that we all have a role to play - towards water quality and quantity improvement in the Kaituna catchment.

We know that:

- There are a number of municipal and domestic water supplies within the catchment.
- There are increasing concentrations of nitrates and *E.coli* in Kaituna catchment rivers, streams and drainage canals.
- Te Awa o Ngātoroirangi / Maketu Estuary has poor ecological health, which affects mahinga kai (food gathering), cultural and recreational values.
- Swimming is safe at monitored freshwater sites but may not always be safe in the lower catchment.

Substantial change is needed to reduce the amount of sediment, nitrogen, phosphorus and *E.coli* inputs to Te Awa o Ngātoroirangi / Maketu Estuary.

There are also significant opportunities associated with diversification of land use, particularly in the lower catchment.

Linkage with Kaituna River Document

Priority Action 1 primarily implements Objectives 3-6 and 8 of the Kaituna River Document.

Project summary

The projects are as follows:

- Project 1.** Lowland drains and drainage canal improvement project
- Project 2.** Freshwater quality and quantity limits project
- Project 3.** Consented takes and discharges project
- Project 4.** Focus catchments project
- Project 5.** Farm environment plans project

The outputs for each project are summarised in the table on page 12.

Measuring success

From 2019 to 2029, there will be:

- Improvements in biochemical indicators (sediment, nitrogen, phosphorus and *E.coli*) as measured in lowland drains and in Te Awa o Ngātoroirangi / Maketu Estuary.
- A reduction in the number and duration of health warnings for swimming and/or food gathering within the Kaituna catchment.

Project outputs and timeframes

Project	Timeframe			Led by	Key Partners	Project Type and Source of Funding
	2020 – 2022 outputs	2023 – 2025 outputs	2026 – 2028 outputs			
1. Lowland drains and drainage canal improvement project.	<ul style="list-style-type: none"> a. Lowland drains rehabilitation plan. b. Upgraded pump station at Ford Road. 	<ul style="list-style-type: none"> c. Implement rehabilitation plan. 	<ul style="list-style-type: none"> d. Implement rehabilitation plan. 	BOPRC.	Landowners, Tangata whenua, TCC, WBOPDC, F&G, DOC.	<p>New project comprising initiatives from existing work programmes. Sources of funding:</p> <ul style="list-style-type: none"> • BOPRC Integrated Catchment Management • BOPRC Flood Protection and Control.
2. Freshwater quality and quantity limits project.	<ul style="list-style-type: none"> a. Identified freshwater objectives and limits. b. Draft Regional Plan change. 	<ul style="list-style-type: none"> c. Formal Regional Plan change process. 	<ul style="list-style-type: none"> d. Implement plan change. 	BOPRC.	Tangata whenua and TMok. Kaituna Maketu Freshwater Community Group for output a.	<p>Existing project (statutory role of Regional Council):</p> <ul style="list-style-type: none"> • BOPRC regional planning.
3. Consented takes and discharges project.	<ul style="list-style-type: none"> a. Annual compliance report about consented water takes and discharges. b. Annual reporting by City and District Councils about urban wastewater and stormwater management. c. Annual reporting by Regional Council about stormwater discharges from Kaituna river and drainage schemes. d. Annual meeting with representatives of the Rotorua Te Arawa Lakes Strategy Group. 			<ul style="list-style-type: none"> a) BOPRC. b) TCC, WBOPDC, RLC. c) BOPRC. d) TMok. 	-	<p>New project comprising initiatives and TMok updates from existing work programmes. Sources of funding:</p> <ul style="list-style-type: none"> • BOPRC Resource Regulation and Monitoring • BOPRC Flood Protection and Control • TCC / WBOPDC / RLC infrastructure budgets.
4. Focus catchment action plan project.	<ul style="list-style-type: none"> a. Action plans for Kopuaroa and Waitepuia/Ford Road sub-catchments. b. Action plan for mid-lower Waiairi sub-catchment. 	<ul style="list-style-type: none"> c. Action plan for Parawhenuamea sub-catchment. 	<ul style="list-style-type: none"> d. Action plan for Ōhineangaanga sub-catchments. 	TCC / WBOPDC to lead mid-lower Waiairi plan. BOPRC for all other areas.	Landowners, Tangata whenua, TCC, WBOPDC, local care groups, horticultural and agricultural sector leaders (i.e. Dairy NZ, Fonterra, HortNZ, NZKGI).	<p>Existing project through the following funding sources:</p> <ul style="list-style-type: none"> • BOPRC Integrated Catchment Management • TCC / WBOPDC Waiairi Project. <p>Implementation funding sources include:</p> <ul style="list-style-type: none"> • BOPRC EEF • WBOPDC funding, subsidies and incentives • Million Metres Streams and Trees that Count Funds.

Project	Timeframe			Led by	Key Partners	Project Type and Source of Funding
	2020 – 2022 outputs	2023 – 2025 outputs	2026 – 2028 outputs			
5. Farm environment plans project.	<p>a. Farm environment plan template developed or adapted.</p> <p>b. Farm environment plans progressed within the Lower Kaituna catchment.</p>	c. Farm environment plans progressed in all other areas.	d. Farm environment plans progressed in all other areas.	BOPRC.	Landowners, horticultural and agricultural sector leaders (i.e. Dairy NZ, Fonterra, HortNZ, NZKGI).	<p>Linked with Focus Catchment Action Plan project. Source of funding:</p> <ul style="list-style-type: none"> BOPRC Integrated Catchment Management.
<p>Supported by existing City, District and Regional Council operations:</p> <ul style="list-style-type: none"> Working with landowners and respective industry sectors to improve land use and land management practices (Projects 1, 4, 5) Biodiversity management (Projects 1, 4) Stormwater and wastewater management via resource consents, stormwater management plans and asset management plans (Projects 1, 3) River and drainage scheme management via resource consent and asset management plan (Projects 1, 3) Development of non-statutory plans - WBOPDC Environment Strategy Environmental and consent compliance monitoring (Projects 1, 3, 4) 						



PROJECT 1. Lowland drains and drainage canal improvement project

Project 1 involves a programme of works to improve water quality, ecological health and fish passage within lowland drains and drainage canals.

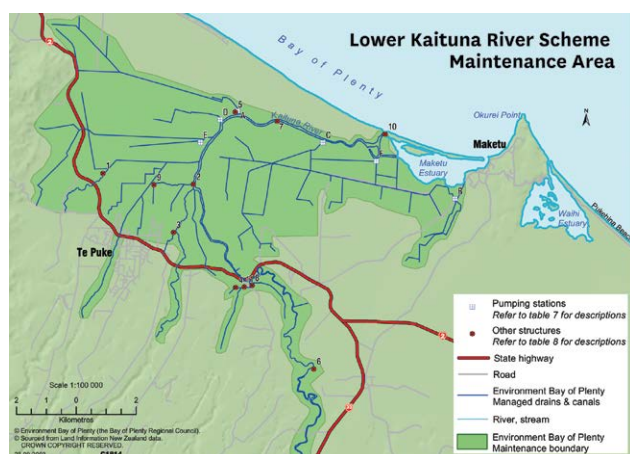
The Lower Kaituna River Scheme is a comprehensive river and drainage control scheme, providing benefits of flood protection and drainage to much of the land in the Lower Kaituna catchment.

An ecological and water quality report of the lower Kaituna drains and canals (2018)¹ noted that these drains have poor water quality, poor habitat values and poor ecological conditions, including barriers to fish passage. The maintenance of these drains also impacts whitebait spawning areas.

Project 1 is intended to progress recommendations within this report, which includes:

- initiatives to reduce and/or manage macrophyte growth,
- initiatives to improve fish passage, water flow and riparian shading,
- opportunities for new or extended wetlands (links with Project 7),
- use of innovation and technology such as de-nitrification beds and algal biotechnology,
- a review of drain maintenance practices,
- pump station improvements to improve discharge quality and/or fish passage,
- opportunities to reduce nutrient inputs to, and outputs from, productive land.

This project, which will be led by the Bay of Plenty Regional Council, complements and/or contributes to Projects 4, 7 and 8.



1 Bay of Plenty Regional Council (2018). Ecological and water quality conditions of drains and land drainage canals in the Rangitaiki and Kaituna Plains. Environmental Publication 2018/05.



PROJECT 2.

Freshwater quality and quantity limits project

The National Policy Statement for Freshwater Management requires the Regional Council to set new objectives, policies and limits for rivers, streams and groundwater aquifers. This relates to both water quality and quantity.

Project 2 involves the setting and implementation of new objectives and limits for Kaituna rivers, streams and groundwater aquifers. This is an existing project, led by the Bay of Plenty Regional Council and informed by the Kaituna Maketu Freshwater Community Group. A number of representatives of Te Maru o Kaituna are part of this group.

Project 2 will result in a change to the Bay of Plenty Regional Natural Resources Plan (Plan Change 12). This plan change will result in new freshwater objectives, policies and rules specifically for the Kaituna, Pongakawa and Waitahanui Catchments.

Plan Change 12 is the primary regulatory mechanism for addressing matters such as nutrient loss and water allocation within the catchment. It will also recognise and provide for the vision, objectives, and desired outcomes of the Kaituna River Document. For this reason, progressing this plan change is a priority project for Te Maru o Kaituna.

PROJECT 3.

Consented takes and discharges project

There are a large number of consented activities for agriculture, forestry, horticulture, industry and urban development. This includes, but is not limited to the:

- taking of water from river, streams and groundwater aquifers,
- disposal of wastewater and stormwater into waterways, either directly or via wetlands.

Although managed by resource consent, these activities impact the ecological and cultural health of the Kaituna River, and all it sustains.

Project 3 involves the building of awareness and knowledge regarding the cumulative impacts of consented water takes and discharges on the health and well-being of the Kaituna catchment. This includes:

- mapping the number and type of consented takes and discharges to get an overview of the number, type and distribution of consents within the Kaituna catchment,
- regular updates about consent compliance within the Kaituna catchment, particularly for discharges to water,
- regular updates about the outcome of discharge and water quality monitoring associated with consented discharges within the Kaituna catchment,
- regular updates about the outcome of State of the Environment monitoring within the Kaituna catchment,
- keeping abreast of improvements and upgrades to wastewater treatment and/or disposal systems,
- keeping abreast of council and road network (NZTA) management of, and improvements to, stormwater treatment and/or disposal within the Kaituna catchment,
- meeting regularly with the Rotorua Te Arawa Lakes Strategy Group to ensure that lake catchment decisions do not compromise the health of the Kaituna River.



PROJECT 4.

Focus catchments project

Project 4 involves the development of action plans within specific focus catchments. They enable the identification of area-specific solutions to help address catchment-wide issues. These plans would identify and document:

- issues and contributing factors within focus catchments,
- existing initiatives that are underway by landowners, care groups, tangata whenua and/or schools,
- focus catchment outcomes and initiatives to achieve those outcomes such as: better aligning land use to the capability of the land; improved land management practices; riparian fencing; riparian or wetland restoration; care group formation,
- opportunities to connect existing initiatives within the focus catchments,
- wider connectivity of habitats and ecosystems within the catchment (linking with other actions in this plan).

These plans will be prioritised in catchments with one or more of the following:

- significant water quality issues;
- a small number of landowners;
- a community water supply;
- active groups who are involved with or planning environmental or community initiatives.

This project, which will be led by the Bay of Plenty Regional Council, complements Projects 1, 7 and 8.

PROJECT 5.

Farm environment plans project

Project 5 involves the development of Farm Environment Plans on agricultural and horticultural properties within the Kaituna catchment.

Farm Environment Plans enable the identification of property-specific solutions to help address catchment-wide issues such as water quality; pest plants and animals; and, biodiversity. These plans are unique to a property and reflect the local climate and soils, the type of land use and the goals and aspirations of the landowner.

This project will be led by the Bay of Plenty Regional Council who will work with, and support landowners. Together they will identify a pathway forward for onsite improvements for better environmental outcomes for the Kaituna River.

Plan development will initially be voluntary, unless changes in legislation and/or the Regional Plan make them mandatory. Voluntary plans are an effective way of achieving good environmental outcomes in a non-regulatory and proactive way, particularly in a changing regulatory space (e.g. ongoing freshwater reforms, Plan Change 12).

Project 5 complements and/or contributes to Projects 1, 4, 7 and 8. It builds on existing 'business as usual' Regional Council operations and requires support and leadership from the primary sector.



PRIORITY ACTION 2

CREATE A NETWORK OF HEALTHY AND DIVERSE KAITUNA HABITATS AND ECOSYSTEMS

Context

Priority Action 2 seeks to enhance and connect habitats and ecosystems within the Kaituna catchment. It involves building on past and current projects and creating healthy and diverse habitats for taonga fish and bird species.

Continued wetland creation (or re-creation in the case of the Lower Kaituna area) is a key component of this Priority Action.

Linkage with Kaituna River Document

Priority Action 2 primarily implements Objectives 1, 2, 7 and 8 of the Kaituna River Document.

Project summary

The projects are as follows:

Project 6.	Post Kaituna River re-diversion and enhancement project
Project 7.	Wetland re-creation project
Project 8.	Kaituna habitats network project
Project 9.	Pātaka kai project

The outputs for each project are summarised in the table overleaf.

Measuring success

From 2019 to 2029, there will be:

- an increase in the total extent of new wetlands within the Kaituna Catchment to 200ha, (a further increase from 100ha set by the Kaituna River and Ōngātoto / Maketu Estuary Strategy in 2009),
- an increase in the abundance and diversity of life in the Kaituna River and Te Awa o Ngātotoirangi / Maketu Estuary,
- an increase in the extent of pest control and planting to connect riparian, wetland and estuarine margins.

Project outputs and timeframes

Project	Timeframe			Led by	Key Partners	Project Type and Source of Funding
	2020 – 2022 outputs	2023 – 2025 outputs	2026 – 2028 outputs			
6. Post Kaituna River re- diversion enhancement project.	<p>a. Restoration work programme completed.</p>	<p>b. Implement restoration work programme.</p>	<p>c. Implement restoration work programme.</p>	BOPRC.	<p>Tangata whenua, Māketu Taiāpure Trust, Māketu community, Te Arawa care groups, Te Arawa ki Tai Trust, F&G, DOC.</p>	<p>Existing project:</p> <ul style="list-style-type: none"> BOPRC Integrated Catchment Management budget.
7. Wetland re-creation project.	<p>a. Te Pā Ika wetland.</p> <p>b. Te Pourepo o Kaituna wetland.</p> <p>c. Whakapou korero wetland.</p> <p>d. Wetland projects within existing EEF / environmental programmes.</p>	<p>e. Parawhenua mea wetland.</p> <p>f. Te Pourepo o Kaituna wetland (continued).</p> <p>g. Whakapou korero wetland (continued).</p> <p>h. Te Tumu stormwater overflow wetlands.</p> <p>i. New wetland re-creation projects identified through Project 17.</p>	<p>j. Parawhenua mea wetland (continued).</p> <p>k. Te Tumu stormwater overflow wetlands (continued).</p> <p>l. New wetland re-creation projects identified through Project 17.</p>	BOPRC and associated landowners.	<p>Tangata whenua, TCC, WBOPDC, F&G, DOC, Māketu Ōngātoro Wetland Society (some of whom are landowners for specific wetlands).</p>	<p>Existing project with multiple sources of funding, including:</p> <ul style="list-style-type: none"> BOPRC Integrated Catchment Management budget BOPRC EEF WBOPDC funding, subsidies and incentives DOC Community Fund.
8. Kaituna habitats network project.	<p>a. Work programme developed (informed by Project 17).</p> <p>b. At least one habitat network connection project completed.</p>	<p>c. At least two habitat network connection projects completed.</p>	<p>d. At least three habitat network connection projects completed.</p>	BOPRC, WBOPDC and associated landowners.	<p>Tangata whenua, TCC, care groups, F&G, DOC, Forest & Bird Te Puke, Māketu Ōngātoro Wetland Society, Bay Conservation Alliance.</p>	<p>New project comprising initiatives from existing work programmes.</p> <p>Multiple sources of funding available, including:</p> <ul style="list-style-type: none"> BOPRC Integrated Catchment Management budget BOPRC EEF WBOPDC Reserve Management Plan review budget DOC Community Fund.

Project	Timeframe			Led by	Key Partners	Project Type and Source of Funding
	2020 – 2022 outputs	2023 – 2025 outputs	2026 – 2028 outputs			
9. Pātaka kai project.	<ul style="list-style-type: none"> a. Kaiawa Working Group established. b. Work programme developed. c. Priority habitat restoration projects identified. 	<ul style="list-style-type: none"> d. At least two habitat restoration projects completed. 	<ul style="list-style-type: none"> e. At least three habitat restoration projects completed. 	Te Maru o Kaituna.	Tangata whenua, F&G, DOC, NIWA, Kaituna community members.	<p>New project with linkages to other projects in this plan.</p> <p>Sources of funding:</p> <ul style="list-style-type: none"> • TMoK river restoration & enhancement fund • Tiaki Wai Fund • Wai Ora Fund • DOC Community Fund • DOC Mātauranga Kura Taiao Fund.
<p>Supported by existing City, District and Regional Council operations:</p> <ul style="list-style-type: none"> • Supporting initiatives by landowners, care groups and schools with regards to pest plant control and biodiversity enhancement (sometimes formalised in biodiversity management plans). • Environmental monitoring, including biosecurity (land based and freshwater). • Review of reserve management plans (WBOPDC). • Coast Care / Estuary Care. 						





PROJECT 6. **Post Kaituna River re-diversion enhancement project**

The Kaituna River re-diversion is one of the most significant projects within the catchment. It is intended to restore at least 20 percent of the freshwater flows from the Kaituna River into Te Awa o Ngātoroirangi / Maketu Estuary. The re-diversion works are due for completion by 2020 (if not earlier).

Project 6 involves a programme of work, post-river re-diversion, to continue to bring life back to Te Awa o Ngātoroirangi / Maketu Estuary.

A work programme will be developed with tangata whenua, environmental care groups and the Maketu community to identify and prioritise restoration tasks. This may include continued wetland and/or estuarine margin planting as well as saltmarsh and seagrass restoration.

This project will be led by the Bay of Plenty Regional Council.

PROJECT 7. **Wetland re-creation project**

Adopted in 2009, the Kaituna River and Ōngātoto/Maketu Estuary Strategy set a goal of 100ha of new wetlands within the lower Kaituna area. This goal will soon be met.

There are opportunities to continue creating, and in the case of the Lower Kaituna area, re-creating wetlands for multiple benefits: habitat for taonga fish and bird species; nutrient and sediment filtering; places to gather food and materials; places to learn, enjoy and relax as well as an alternative use of marginal land.

Project 7 seeks to create an additional 100ha of wetlands (200ha total) within the next 10 years. This would be prioritised in areas:

- where wetness is a limitation to productive use
e.g. lowland areas,
- adjacent to existing wetlands (i.e. wetland extension),
- at, or adjacent to, areas subject to other projects within this plan (e.g. lowland drains and drainage canals).

This project complements and/or contributes to Projects 1,4, 7, 8 and 9.

Information obtained through Project 17 (mapping project) will inform the location of areas for potential new wetlands. Careful planning will be needed to ensure that new wetlands are well designed and maintained.



PROJECT 8. **Kaituna habitats network project**

Project 8 seeks to promote the connection of fragmented corridors of riparian / wetland / estuarine margins and areas within the Kaituna catchment. This is to create or connect ecological pathways for indigenous flora and fauna.

These corridors would be prioritised in areas:

- With unique and threatened ecosystems and habitats.
- That are culturally significant e.g. where weaving resources or kai is collected.
- At, or adjacent to, areas subject to other projects within this plan.

This project complements and/or contributes to Projects 1, 4, 7, 8 and 9 and, in some places, relies heavily on pest plant management.

PROJECT 9. **Pātaka kai project**

The Kaituna River is a pātaka kai (food basket or pantry). Kai awa (food sourced from the river) is an indicator of the health and well-being of the Kaituna River. In other words, the river is healthy when it is supporting abundant and healthy kai awa.

Project 9 involves a programme of works to increase and enhance habitats for kai awa, in particular tuna (eels), inanga (whitebait), kōura (crayfish), kākahi (freshwater mussels) and watercress. It involves:

- the establishment of a Kaiawa Working Group,
- regular monitoring of kaiawa species,
- completion of at least five kaiawa habitat restoration projects over the 10 years,
- prioritisation of kaiawa habitat restoration projects close to marae.
- scoping the feasibility of small scale tuna farming for marae use,
- engagement with commercial fishers and MPI regarding existing commercial eeling practices,
- engagement with DOC, BOPRC and NIWA with regards to inanga habitat restoration, particularly in drains.

This project creates opportunities for on-the-ground action by, and for, Kaituna communities. It also:

- recognises and provides for the relationship of tangata whenua with the Kaituna River,
- creates opportunities for kai awa based research and education,
- enhances cultural and social well-being through the sharing of traditional and contemporary knowledge and practices.



PROJECT 9. Pātaka kai project continued...

Project 9 will be owned by Te Maru o Kaituna with implementation led by a Kaiawa Working Group. This group would

- oversee kaiawa projects;
- connect with Iwi / hapū; other co-governance entities; Maketu Taiapure Committee; DOC, Fish and Game, MPI and commercial eelers.

The form, size and composition of this group will be determined by Te Maru o Kaituna. It would be advantageous to include the Kaituna community connector within this Group (refer Project 10).

This project requires external funding. This presents opportunities for joint funding applications by the Kaiawa Working Group members.

This project complements Projects 1, 6, 7, 8, 11 and 13.



PRIORITY ACTION 3

CONNECT OUR COMMUNITIES AND VISITORS TO OUR RIVER AND TO OUR PROJECTS

Context

Priority Action 3 is about people, in particular, creating opportunities to connect people to the:

- Kaituna River and its tributaries, through enhanced physical access,
- history of the Kaituna River,
- role of Te Maru o Kaituna,
- projects within this plan,
- outcomes of research and monitoring associated with the Kaituna River.

Connecting people to the river creates a community of kaitiaki who value and want to care for the long-term health and well-being of the Kaituna River.

Linkage with Kaituna River Document

Priority Action 3 primarily implements Objectives 1, 2 and 8 of the Kaituna River Document.

Project summary

The projects are as follows:

Project 10.	Kaituna community connection project
Project 11.	Kaituna River access project
Project 12.	Kaituna cycleway/walkway project
Project 13.	Kaituna cultural and historical heritage project
Project 14.	Upper catchment 'gateway' project
Project 15.	Coastal park network project

The outputs for each project are summarised in the table overleaf.

Measuring success

From 2019 to 2029, there will be more people:

- accessing the Kaituna River,
- knowing about the role of Te Maru o Kaituna and the work that we do,
- knowing about the history of the Kaituna River catchment,
- involved in projects within the Kaituna catchment.

Project outputs and timeframes

Project	Timeframe			Led by	Key Partners	Project Type and Source of Funding
	2020 – 2022 outputs	2023 – 2025 outputs	2026 – 2028 outputs			
10. Kaituna community connection project.	<ul style="list-style-type: none"> a. Communications strategy developed. b. TMOk website developed. c. Annual work plan released. d. At least one annual community event. e. River Symposium held. 	<ul style="list-style-type: none"> f. Annual work plan released. g. At least one annual community event. h. River Symposium held. 	<ul style="list-style-type: none"> i. Annual work plan released. j. At least one annual community event. k. River Symposium held. 	Te Maru o Kaituna (community connector).	Tangata whenua, BOPRC, RLC, TCC, WBOPDC, Kaituna and Maketu Community Bay Conservation Alliance, Kuaka NZ, local schools.	<p>New project. Funding options include:</p> <ul style="list-style-type: none"> • TMOk budget • Council's Long Term Plan budgets • External funding.
11. Kaituna River access project.	<ul style="list-style-type: none"> a. River access mapping task completed. b. Feasibility study completed for waka launching site. 	<ul style="list-style-type: none"> c. Taunga waka in place. d. Enhancement of at least three river access areas. 	<ul style="list-style-type: none"> e. Enhancement of at least five river access areas. 	WBOPDC.	TCC, BOPRC, RLC, Tangata whenua, F&G, Kaituna community.	<p>New project comprising initiatives from existing work programme (Reserve Management Plan review).</p> <p>Source of funding includes:</p> <ul style="list-style-type: none"> • WBOPDC Recreation and Leisure Activity
12. Kaituna cycleway / walkway project.	<ul style="list-style-type: none"> a. Strategy completed. b. Strategy implementation (TEL to Maketu connection). 	<ul style="list-style-type: none"> c. Strategy implementation (continued). 	<ul style="list-style-type: none"> d. Strategy implementation (continued). 	WBOPDC (community-led strategy in development).	BOPRC, TCC, RLC, NZTA, tangata whenua, F&G, DOC, Kaituna community.	<p>New project comprising initiatives from existing work programme (Western Bay Cycleway programme).</p> <p>Source of funding includes:</p> <ul style="list-style-type: none"> • WBOPDC Recreation and Leisure Activity • Opportunities for external funding e.g. NZTA, TECT

Project	Timeframe			Led by	Key Partners	Project Type and Source of Funding
	2020 – 2022 outputs	2023 – 2025 outputs	2026 – 2028 outputs			
13. Kaituna cultural and historical heritage project.	a. Interpretation plan completed. b. Plan implementation.	c. Plan implementation (continued).	d. Plan implementation (continued). e. Cultural and environmental education centre established at Te Pourepo o Kaituna.	Te Maru o Kaituna. Landowners for cultural and education centre.	Tangata whenua, TCC, BOPRC, RLC, WBOPDC, Heritage NZ, F&G, DOC, Kaituna community.	New project. Potential funding options include: <ul style="list-style-type: none"> • TMOk Budget • External Funding e.g. Lottery Community Facilities, TECT, Creative NZ, Ministry for Culture and Heritage.
14. Upper catchment 'gateway' project.	a. Concept plan developed.	b. Plan implementation.	c. Plan implementation.	RLC, Ngāti Pikiao and DOC.	Tangata whenua, NZTA, recreational and commercial river users, Okere community.	New project. Requires RLC Long Term Plan and NZTA funding.
15. Coastal park network project.	a. Concept plan completed. b. Plan implementation.	c. Plan implementation (continued).	d. Plan implementation (continued).	BOPRC and landowners.	TCC, WBOPDC, tangata whenua, DOC, F&G (some of whom are the landowners).	<ul style="list-style-type: none"> • New project. Requires BOPRC, TCC and WBOPDC Long Term Plan funding. • Opportunities for external funding, including DOC.
Supported by existing: <ul style="list-style-type: none"> • City and District Council park, open space and reserve management (Projects 11-15). • WBOPDC mapping for reserve management plan review (linkage with Project 11). • Communications by Te Maru o Kaituna e.g. Kaituna Korero, agenda reports, annual report. • WBOPDC Urban cycleway programme (linkage with Project 13). • Structure planning for Te Tumu (linkage with Project 15). 						



PROJECT 10.

Kaituna community connection project

Project 10 seeks to engage and connect our communities and visitors. We want them to know and understand why the Kaituna River catchment is special; what work we are doing to achieve the Vision and what they can do to help. It is about engaging the heart and mind and therefore, a range of methods are proposed.

This includes:

- developing and sharing an annual Te Maru o Kaituna work programme,
- holding annual community events and a three-yearly river symposium,
- collating and telling our stories and histories about the Kaituna River and its tributaries,
- sharing the outcomes of research and monitoring within the catchment,
- connecting Kaituna communities with the projects in this plan,
- showcasing examples of sustainable and productive land use and management to provide an opportunity for shared learning. This could include site visits / open days / on-site demonstrations as well as inclusion in the Te Maru o Kaituna or BOPRC Kaituna Kōrero newsletters,
- connecting the various networks of environmental care groups and education providers to collaborate and share resources relating to environmental and cultural education within the Kaituna catchment,
- connecting with other co-governance entities e.g. Rotorua Te Arawa Lakes Strategy Group, Rangitāiki River Forum, Te Arawa River Iwi Trust.

This project will be owned by Te Maru o Kaituna and led by a community connector. This is a dedicated resource to connect the projects within this plan with the Kaituna community, in particular, tangata whenua, environmental education providers, community groups and Te Maru o Kaituna members.

This requires specific skills in relationship management, communication and community engagement.

This project complements and/or contributes to Projects 13-18.





PROJECT 11. **Kaituna River access project**

Project 11 involves a programme of work to enhance physical access to the Kaituna River. It is linked closely with Project 12 (cycleway / walkway project).

Project 11 involves two key components:

- Mapping current and historical river access.
- Mapping community aspirations for river access (including type of access – swimming, food gathering, etc).
- Progressive enhancement of priority river access areas. This includes enhanced access in the Waitangi area for swimming and waka launching. A feasibility study would identify the proposed location and type of structure (e.g. ramp, jetty).

This project will be led by the Western Bay of Plenty District Council, working with Te Maru o Kaituna partners, tangata whenua, recreational and commercial river users, as well as local communities.

This project complements Projects 7, 8, 10, 12, 13, 14 and 15. It aligns with the planned review of the Te Puke and Maketu Reserve Management Plans.

PROJECT 12. **Kaituna cycleway/walkway project**

Project 12 involves the connection and/or creation of cycleways and walkways within the Kaituna catchment. This project, which contributes to the Western Bay Cycleway Programme, would:

- provide access to the Kaituna River and across the catchment,
- connect with existing cycleways (e.g. Te Ara Kahikatea, TEL cycleway and the new Paengaroa to Lake Rotoiti cycleway),
- connect communities and enhance recreation opportunities within the catchment,
- encourage economic opportunities (e.g. tourism).

Careful planning will be needed to ensure that walking and cycling routes are in appropriate locations (i.e. away from sensitive areas such as waahi tapu and fish spawning areas).

A community-led strategy is in development to scope potential walking and cycling routes within the catchment. This includes scoping for a trail between Te Puke and Maketu.

Project 12 will be led by the Western Bay of Plenty District Council.

This project complements Projects 7, 8, 10, 11, 13, 14 and 15.

PROJECT 13.

Kaituna cultural and historical heritage project

Project 13 involves a programme of work to recognise and showcase the cultural and historical heritage associated with the Kaituna River.

While Project 10 (community connection project) involves the collation of our stories, connections and histories about the river, Project 13 involves the physical manifestations of those stories. This includes:

- interpretation elements e.g. pou, information boards, artwork,
- additional taunga waka (waka landing) to that in Project 11,
- identification of areas of cultural and/or historical significance to showcase or celebrate,
- identification of culturally sensitive areas where public access should be restricted,
- establishing a cultural and environmental education centre at Te Pourepo o Kaituna (which if connected to a cycle way, could also fulfil the role of an i-site information centre).

In the first instance, an interpretation plan will be developed to ensure that the right elements are in the right place for the right reason. It also ensures connectivity with other plan projects e.g. river access, cycleway, coastal park.

This project complements and/or contributes to Projects 10, 11, 12, 14 and 15.

PROJECT 14.

Upper catchment ‘gateway’ project

Project 14 involves the development of a ‘gateway’ at the upper reaches of the Kaituna River. This ‘gateway’ provides the opportunity to showcase and acknowledge the historical and cultural significance of the Kaituna River.

A concept plan will be developed in the first instance, which could incorporate:

- A gateway, pou or sign.
- Enhanced access to the Kaituna River.
- Signage and/or interpretation panels.
- Access to amenities e.g. parking, toilets.
- Information for commercial operators to share with customers.

Project 14 will be led by the Rotorua Lakes Council, working with tangata whenua, NZTA, recreational and commercial river users, as well as the local community.

PROJECT 15.

Coastal park network project

There are large areas of open space, owned by various landowners, in the lower Kaituna area. There have been aspirations for many years to establish a regional coastal park in this area. Regional parks are generally purchased and owned by Regional and/or District and City Councils.

Project 15 involves the connection of open space in the Lower Kaituna area to form a coastal park network. In this case, the park network would be located on a mix of council, conservation and private land.

This project is intended to:

- protect significant landscapes, heritage, ecological and cultural features,
- create a diverse range of recreational, cultural and educational opportunities.

The coastal park network could, in the first instance incorporate key wetland areas such the Lower Kaituna Wildlife Management Reserve; Te Pourepo o Kaituna, Te Pā Ika and the Te Tumu wetlands. The network could be extended over time.



ENABLING ACTION 1

COLLECT GOOD INFORMATION ABOUT THE KAITUNA RIVER AND ITS TRIBUTARIES

Context

Enabling Action 1 is focus on building awareness and understanding about the Kaituna River and all it sustains.

This is so that Te Maru o Kaituna can lead or guide projects and make decisions based on robust data, research and monitoring.

Linkage with Kaituna River Document

Enabling Action 1 implements all Objectives within the Kaituna River Document, in particular Objectives 3-7.

Project summary

The projects are as follows:

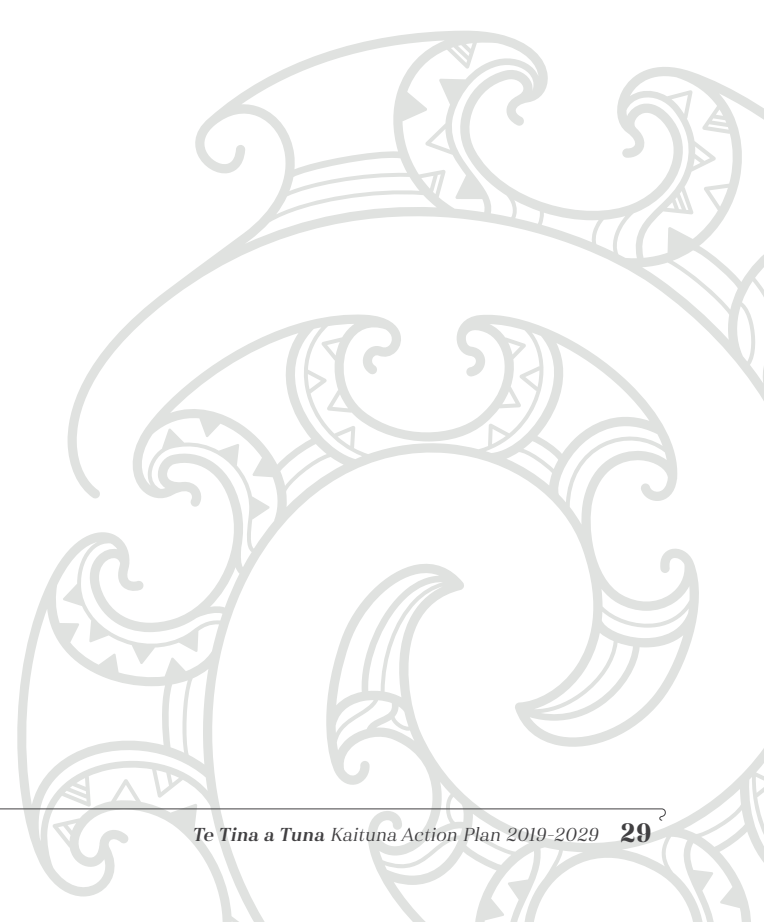
Project 16.	State of the Awa integrated monitoring and reporting project
Project 17.	Kaituna catchment network mapping project

The outputs for each project are summarised in the table overleaf.

Measuring success

From 2019 to 2029, there will be:

- more data and comprehensive reporting about the health of the Kaituna River using both ecological and cultural indicators.



Project outputs and timeframes

Project	Timeframe			Led by	Key Partners	Project Type and Source of Funding
	2020 – 2022 outputs	2023 – 2025 outputs	2026 – 2028 outputs			
16. State of the Awa integrated monitoring and reporting project.	<ul style="list-style-type: none"> a. Integrated monitoring plan developed. b. Implementation of integrated monitoring plan. 	<ul style="list-style-type: none"> c. Implementation of integrated monitoring plan (continued). d. State of the Awa report 2023. e. Integrated monitoring plan reviewed and updated (if needed). 	<ul style="list-style-type: none"> f. Implementation of integrated monitoring plan. g. State of the Awa report 2028. 	BOPRC (including Putaiao Mātauranga staff).	<p>City and district councils.</p> <p>Kaituna community especially those carrying out regular environmental or cultural monitoring.</p>	<p>New project comprising initiatives from existing work programmes. Main source of funding:</p> <ul style="list-style-type: none"> • BOPRC Technical Services budget. <p>City and district councils to contribute data and staff time.</p>
17. Kaituna catchment network mapping project.	<ul style="list-style-type: none"> a. Completed stocktake and collation of available information. b. Completed feasibility study for Project 7. c. Completed feasibility study for Project 8. 		<ul style="list-style-type: none"> d. Updated feasibility studies for Projects 7 and 8. 	BOPRC (most aspects) WBOPDC (river access and cycleway component)	<p>City and district councils.</p>	<p>New project comprising initiatives from existing work programmes. Main source of funding:</p> <ul style="list-style-type: none"> • BOPRC Technical Services • WBOPDC Recreation and Leisure.
<p>Supported by existing:</p> <ul style="list-style-type: none"> • State of the Environment monitoring carried out by City, District and Regional Councils. • Data, maps and research carried out in relation to the Kaituna catchment. • Research or monitoring carried out by other agencies e.g. NIWA, Te Arawa Takutai Trust. 						



PROJECT 16. **State of the Awa integrated monitoring and reporting project**

In 2018, the Regional Council released a series of reports and fact sheets about the water quality and ecological health of the Kaituna catchment (including drains).

Project 16 relates to the continued gathering and reporting of data and information about the state of the Kaituna River catchment. This helps Te Maru o Kaituna know that the actions within this plan are making a tangible difference to the health and well-being of the Kaituna River.

This project involves:

- better integration of the State of the Environment monitoring by the City, District and Regional Councils within the Kaituna catchment,
- broadening the monitoring programme to include additional sites and attributes²,
- incorporating matauranga Māori into research and monitoring within the Kaituna catchment³,
- exploring ways to incorporate citizen science (data collection by community members) in the monitoring programme.

An integrated monitoring programme will be developed, in the first instance. This will build on the existing monitoring plan(s) for the Kaituna catchment.

The key output for this project is a 5-yearly State of the Awa report.

PROJECT 17. **Kaituna catchment network mapping project**

Project 17 is a mapping project for the Kaituna catchment. It is intended to support and inform other projects within this plan. This includes, but is not limited to, the location of:

- existing ecological corridors, including riparian margins and wetlands (Projects 7 & 8),
- potential new or re-created wetlands (Project 7),
- priority corridors of riparian / wetland / estuarine margins and areas to connect (Project 8),
- priority pātaka kai restoration projects (Project 9),
- consented water takes and discharges within the Kaituna catchment (Project 3),
- existing access points to the Kaituna River and tributaries (Project 11),
- priority areas for enhanced river access (Project 11),
- identifying ‘connectivity’ areas through the river access, cycleway and coastal park network projects (Projects 11, 12 & 15).

This project provides a way of collating and sharing visual information about the Kaituna catchment. Ideally, the layers of information could be kept on an interactive online mapping tool. This way, the information is easily accessible for the Kaituna community (Project 10).

² As highlighted in the Kaituna-Maketū and Pongakawa-Waitahanui Water Management Area: Current State and Gap Analysis Report (Bay of Plenty Regional Council, 2016).

³ This also gives effect to Policy CB1 of the National Policy Statement for Freshwater Management 2017 and the Regional Council’s He Korowai Mātauranga Framework.



ENABLING ACTION 2

ESTABLISH A KAITUNA RIVER RESTORATION AND ENHANCEMENT FUND

Context

Enabling Action 2 seeks to ensure that projects within this plan are not solely reliant on council funding.

This provides a level of financial self-sustainability for Te Maru o Kaituna and an additional funding source for river-related projects led by the Kaituna community.

Linkage with Kaituna River Document

Enabling Action 2 implements all Objectives within the Kaituna River Document.

Measuring success

From 2019 to 2029, there will be:

- A dedicated fund that is supporting at least five Kaituna community projects each year.

Project outputs and timeframes

Project	Timeframe			Led by	Project Type and Source of Funding
	2020 – 2022 outputs	2023 – 2025 outputs	2026 – 2028 outputs		
18. River restoration and enhancement fund project.	a. Fund established. b. At least two external funding partners secured. c. Annual funding round.	d. Annual funding round.	e. Annual funding round.	Te Maru o Kaituna.	<ul style="list-style-type: none"> • New Project. • Funding sourced from TMoK Budget and external funding.

PROJECT 18.

River restoration and enhancement fund project

This project seeks to establish a dedicated Kaituna River restoration and enhancement fund:

- to facilitate public donations, external funding and corporate sponsorship,
- for use towards Kaituna community projects,
- to contribute towards the funding of a project co-ordinator and/or community connector.

Similar models include the Whakatāne Kiwi Trust and Ōtanewainuku Kiwi Trust. In both cases, a legal entity (e.g. charitable trust) was established.

This Project will be owned by Te Maru o Kaituna and led by the community connector.






PART THREE - IMPLEMENTING AND MONITORING THIS PLAN

TE TAHARAPA O TE TUNA

**‘Te Taharapa o te Tuna’
means ‘the tail of the eel’.**

**This part of the plan outlines how we will
implement and monitor this plan to ensure
its stays on course.**





PLAN IMPLEMENTATION

How this plan will be implemented

Te Maru o Kaituna will be responsible for ‘owning’ this plan. As such, Te Maru o Kaituna will use this plan to prepare an annual work programme. This work programme will be made publicly available, as described in Project 10.

Funding actions

The majority of the projects within this plan are provided for in existing council work programmes and budgets.

A few projects are tagged for funding by Te Maru o Kaituna – this will need to be provided for in future TMOk budgets.

A few projects also require external funding. Te Maru o Kaituna will need to pursue opportunities for funding, such as through council Long Term Plan funding (via formal submission) or external funding providers, including corporate sponsorship (Project 18).

Resourcing requirements

The plan requires dedicated resourcing to ensure effective implementation.

- Project coordinator - to coordinate the projects across all Te Maru o Kaituna members and identify external funding opportunities. This requires specific skills and experience in project planning, management and reporting.
- Community connector – to connect the projects with the Kaituna community in particular hapū, marae, environmental education providers, community groups and TMOk members. This requires specific skills in relationship management, communication and community engagement.

How plan progress will be reported

To be effective, this operational plan relies on active implementation of projects and providing meaningful updates on progress to TMOk members and the wider community.

For this reason, Results Based Accountability (RBA) will be used to ensure there is focus on results and overall progress against the Action Plan and the Kaituna River Document.

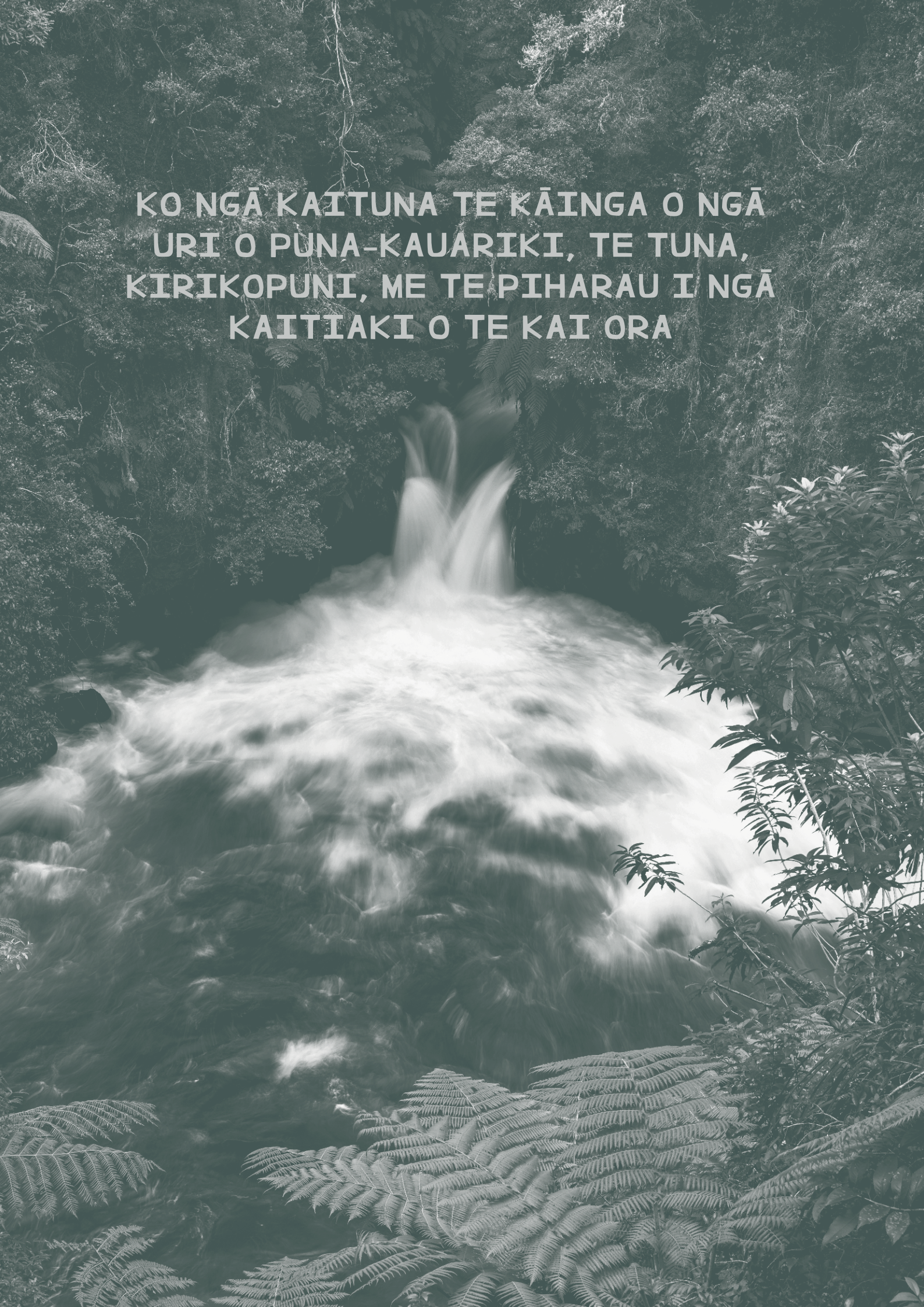
An annual progress report will be produced which will be focused on three key questions:

- How much did we do?
- How well did we do it?
- Are we better off?
- In other words, are we making a difference? Are we improving the health and well-being of the Kaituna River (including its tributaries)?

The report will also outline:

- Any barriers to implementation of tasks (e.g. resourcing, funding).
- What resourcing (funding, people) has been secured to implement projects.
- Priority projects for the coming 12 months.

KO NGĀ KAITUNA TE KĀINGA O NGĀ
URI O PUNA-KAUARIKI, TE TUNA,
KIRIKOPUNI, ME TE PIHARAU I NGĀ
KAITIAKI O TE KAI ORA





Te Maru
o Kaituna

**Te Maru o Kaituna River Authority is the
co-governance partnership established by the
Tapuika Claims Settlement Act 2014,
its membership includes Iwi and
Local Authority representatives.**



**KAITUNA
HE
TAONGA
TUKU
IHO** A TREASURE
HANDED DOWN



Te Maru
o Kaituna