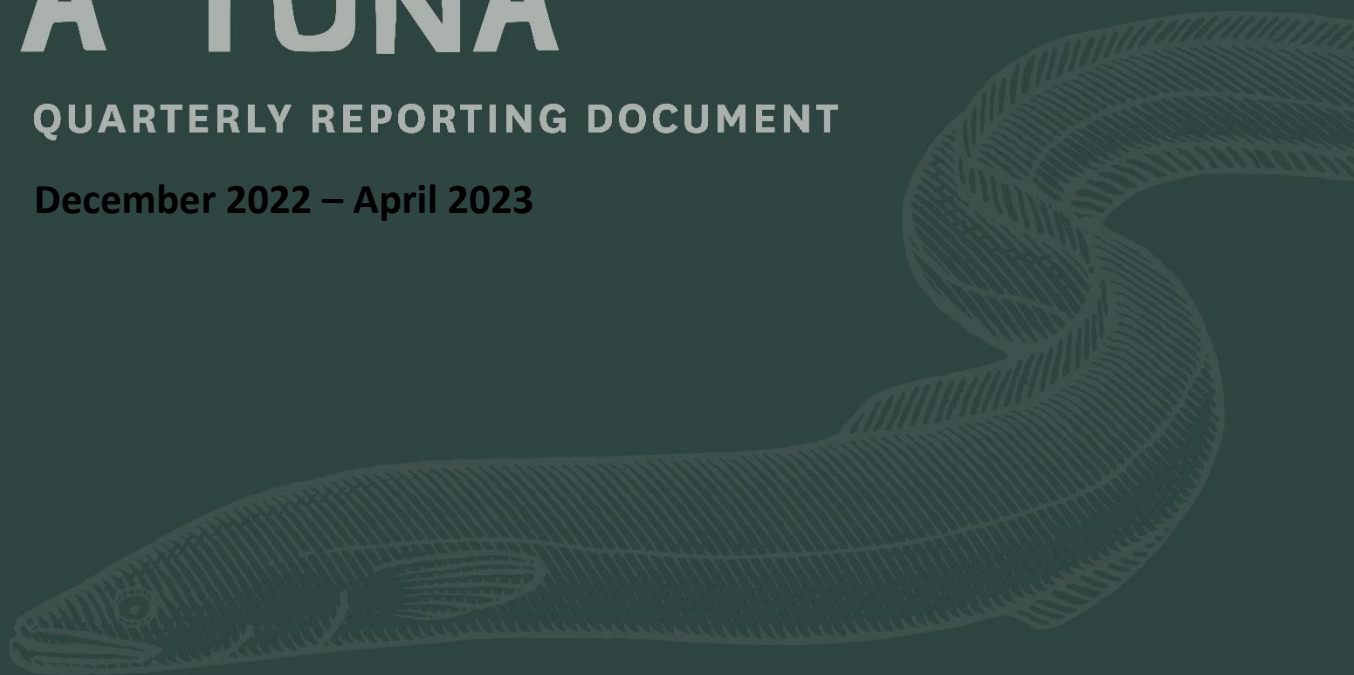




TE TINI A TUNA

QUARTERLY REPORTING DOCUMENT

December 2022 – April 2023



Projects not yet Started

- ❖ **Project 15 – Coastal Park Network**

Outputs - 15A Concept Plan Completed/15B Concept Plan Implementation

- ❖ **Project 18 – River Restoration and Enhancement Fund**

Outputs - 18A Fund Established/18B At Least Two External Funding Partners Secured/18C Annual Funding Round

Project	Lead Agency	Overall Status	Overall Progress
Project 1 - Lowland Drains and Drainage Canal Improvement	BOPRC	Green	15%
Project 2 – Freshwater Quality and Quantity Limits	BOPRC	Green	30%
Project 3A, 3C – Consented Takes and Discharges	BOPRC	Green	100%
Project 3B – Consented Takes and Discharges	WBOPDC, RLC, TCC	Green	100%
Project 3D – Consented Takes and Discharges	TMoK	Green	10%
Project 4A – Focus Catchments	BOPRC	Green	45%
Project 4B – Focus Catchments	WBOPDC/TCC	Amber	10%
Project 5 – Farm Environmental Plans	BOPRC	Amber	10%
Project 6 – Post Kaituna River Rediversion Enhancement	BOPRC	Green	55%
Project 7 – Wetland Re-Creation	BOPRC	Green	70%
Project 8A – Kaituna Habitats Network	WBOPDC	Green	10%
Project 8A, 8B – Kaituna Habitats Network	BOPRC	Green	25%
Project 9 – Pataka Kai	TMoK	Amber	50%
Project 10 – Kaituna Community Connection	TMoK	Green	15%
Project 11 – Kaituna River Access	WBOPDC	Green	10%
Project 12 – Kaituna Cycleway/Walkway	WBOPDC	Amber	10%
Project 13 – Kaituna Cultural and Historical Heritage	TMoK	Amber	0%
Project 14 – Upper Catchment ‘Gateway’	RLC	Green	75%
Project 16 – State of the Awa Integrated Monitoring and Reporting	BOPRC	Amber	10%
Project 17 – Kaituna Catchment Network Mapping	BOPRC, WBOPDC	Green	45%

Project 1 - Lowland Drains and Drainage Canal Improvement

Output - 1A Lowland Drains Rehabilitation Plan

Project Lead – Jackson Efford

Progress Update

- Best practice drains upgrade work is continuing across up to 10 properties (14 km) this year. Rivers and Drainage (\$35,000) contribution is now fully allocated to drain works this financial year. Co-funding provided from land management team and landowners.
- Monitoring continues on the TAML farm paired drain experiment, with all battering, fencing and planting now complete (to be compared/monitored against similar drains with no enhancements applied to determine effectiveness of the treatment).
- Current costs to restore drains to best practice standard estimated at around \$20,000-\$40,000/km (includes re-battering drain, new fencing, and native planting). Opportunities exist to help reduce costs.
- Wet weather has prevented any winter fencing work from occurring, but a number of plant orders have been placed for winter 2023 planting.
- Development of a Lowland Drains Strategy would be useful to help prioritise works areas and leverage LTP funding for works in future.

Planned Completion date: [30/06/2030](#)



Recently battered, fenced and planted drain in the Waitepuia Focus Catchment “DairyNZ best practice lowland drain standard”.

Project 1 - Lowland Drains and Drainage Canal Improvement

Output - 1B Upgraded pump station at Ford Road

Project Lead – Kathy Thiel-Lardon (BOPRC)

Progress update

This project was on hold for a large portion of 2022/23, awaiting further investigation to be undertaken by Rangiuru Business Park. It was understood that the business park development will likely result in adverse downstream effects due to the additional stormwater volume being created. Mitigating the additional volume within the low-lying land could result in increased pump capacity being required by the scheme. The investigations have confirmed that flows can be accommodated within the current pump design capacity. However, whether the additional volume is having an effect on the flood risk during the climate change adjusted 1% Annual Exceedance Probability event is yet to be confirmed.

In addition, we have received further advice on our consenting strategy from the consents team at BOPRC regarding the discharges from the Lower Kaituna River Scheme Drainage Area. We have sought further assessment from the project ecologist and as a result the discharge from the proposed new pump station is assessed as meeting the conditions of the permitted activity rule DW R3 of the Regional Natural Resources Plan (RNRP).

We have now resumed the project and will be seeking resource consent for construction activities for the removal of the existing pump station at Ford Road and the new build of the pump station at Diagonal Drain as well as drain widening works.

Planned Completion date: To be confirmed.

Project 2 – Freshwater Quality and Quantity Limits

Outputs - 2A Identified freshwater objectives and limits/Project 2B Draft Regional Plan Change / Project 2C Formal Regional Plan change process

Project Lead – BOPRC Essential Freshwater Policy Programme – Project Lead Team (Jo Watts, Kaituna Action Plan update)

Progress Update

These three projects form part of Bay of Plenty Regional Council or Toi Moana’s region wide Essential Freshwater Policy Programme (EFPP). We are continuing work on big changes to the Bay of Plenty Regional Policy Statement (RPS) and Regional Natural Resources Plan (RNRP) to implement the National Policy Statement for Freshwater Management 2020 (NPSFM) at the same time as reviewing the freshwater related chapters of the RPS and RNRP. As outlined in the last quarterly reports, tight timeframes are necessary to achieve notification of changes to the RPS and RNRP by 2024, required by the legislation. Although there has been slippage, the programme continues to progress according to the overarching timeline -Te rārangī wā (below). The focus for 2023 is continuing to involve tangata whenua, delivery of hui a rohe as well as face to face and online community engagement. Draft policy options will be refined in response to feedback received, prior to Toi Moana making decisions about what proposed changes to publicly notify in 2024.

Achievements Underway – December 2022 to April 2023

- Tangata whenua via iwi and hāpu, and co-governance groups have been invited to provide early input on draft policy options
- Several tangata whenua groups have taken up the offer to be involved in the freshwater mahi including for the Kaituna. Toi Moana staff continue to be available as opportunities arise.
- Public awareness raising of upcoming freshwater engagement was delivered in February and March 2023 through various forms of media, and some community events including the Te Puke A&P shown 18 February.
- Preparation of engagement material on the [webpage](#) including the [Region wide freshwater booklet](#), the [Kaituna FMU Story](#)
- [Online freshwater](#) engagement live.
- Reconvened the Kaituna Freshwater Futures Community Group once more.

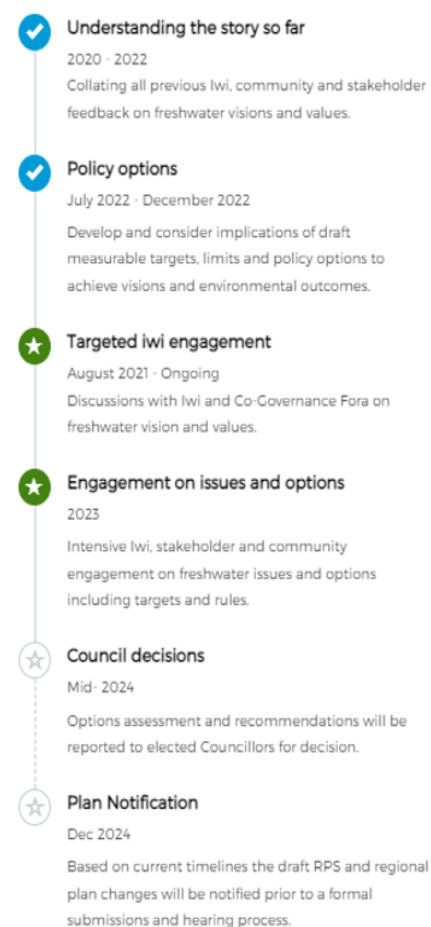
Next steps

- Continue to invite and support involvement of tangata whenua
- Continue to support various iwi led projects to advance their input and advice into this work programme
- Continue to progress key policy workstreams at pace
- Delivering community engagement events from April to September 2023 in each of the 13 draft freshwater management units. To be notified of freshwater engagement events subscribe to the ‘Freshwater Flash’ eNewsletter [here](#) Alternatively check the list of events at the bottom of the freshwater [webpage](#)

Further information

- To provide online feedback join the Participate BOP page [here](#) (top right-hand corner)
- See the [Region wide freshwater booklet](#), the [Kaituna FMU Story](#)
- Contact the Kaupapa Māori team to get involved in tangata whenua freshwater mahi
- Check out Te Maru o Kaituna’s website [here](#)
- Find Regional Council’s Strategy and Policy Committee and Te Maru o Kaituna Committee agenda reports [here](#)

Timeline - Te rārangī wā



Project 3 – Consented Takes and Discharges

Outputs - 3A - Annual Compliance Report about consented water takes and discharges/3C annual reporting by Regional Council about stormwater discharges to Kaituna River and Drainage Schemes

Project Lead: Ryan Standen

Progress Update

The Regulatory Compliance team completed 844 Compliance Monitoring Actions related to water takes, discharges, and stormwater discharges within the Te Maru O Kaituna Rohe during the 01/12/2022 to 27/04/2023 monitoring period. Compliance Monitoring Actions are made up of both visits to the consent holders' site and processing data at the office; and are assessed as either: complying, low risk non-compliance, moderate non-compliance and significant non-compliance against the conditions of consent which have been assessed. Of the total number of Compliance Monitoring Actions 89% were assessed to be complying, which is an improvement from the previous reporting periods. Significant non-compliance across all activities remained stable at 1% which is representative of the long-term average for significant non-compliance. Compliance varied considerably between activities within the TMOk Rohe with OSET discharges being one of the lowest rated in complying for the reporting period once again and Groundwater take having the highest instances of significant non-compliance.

844 Compliance Monitoring Actions – Water takes and discharges within TMOk Rohe

Compliance Rating	Count	%
Complying	754	89
Low risk	63	7
Moderate non-compliance	21	2
Significant non-compliance	6	1

Compliance Monitoring Actions:

Site visit and follow-up site visit = 98

Compliance Rating	Count	%
Complying	75	77
Low risk	15	15
Moderate non-compliance	7	7
Significant non-compliance	1	1

Monitoring data = 746

Compliance Rating	Count	%
Complying	679	91
Low risk	48	6
Moderate non-compliance	14	2
Significant non-compliance	5	1

Per Activity

Activity	Inspection & Monitoring data	Complying	%	Low Risk	%	Mode rate	%	Significant	%
Dairy discharge	0	0	0	0	0	0	0	0	0
Discharge to land	49	39	80%	8	16%	2	4%	0	0%
Discharge to water	60	53	88%	3	5%	4	7%	0	0%
Geothermal take	30	28	93%	2	7%		0%	0	0%
Geothermal discharge	0	0	0%	0	0%	0	0%	0	0%
OSET discharge	50	25	50%	18	36%	6	12%	1	2%
Groundwater take	479	446	93%	21	4%	7	1%	5	1%
Install a bore	0	0	0%	0	0%	0	0%	0	0%
Surfacewater take	176	163	93%	11	6%	2	1%	0	0%
Total	844								

Planned Completion Date: Completed for this reporting period

Project 3 – Consented Takes and Discharges

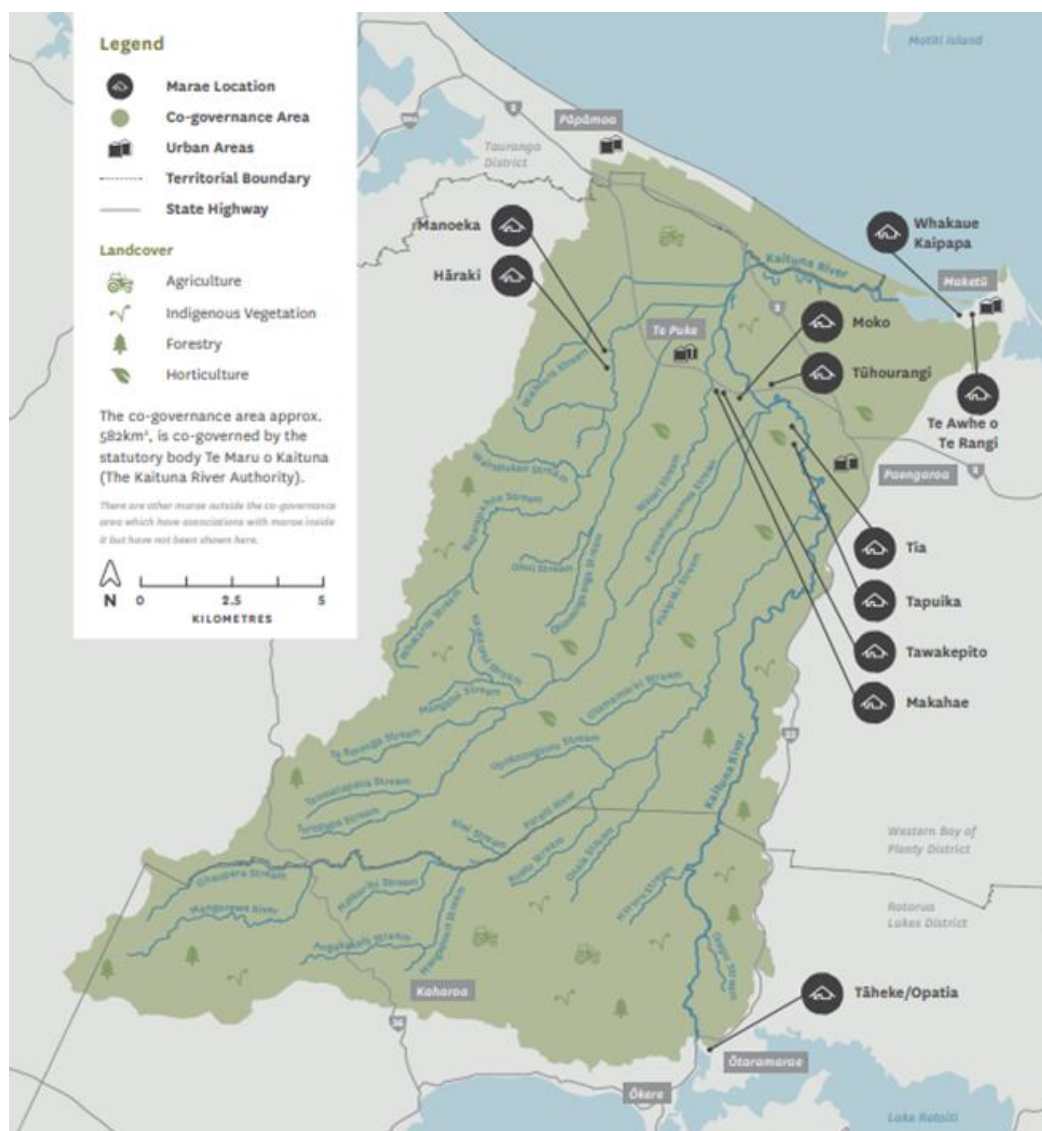
Output - 3B Annual reporting by city and district councils about urban wastewater and stormwater management

Project Leads – Chris Chen (WBOPDC), Jim Summers (TCC)

Progress Update

- TCC Reporting will be completed as the consents require for 2022/2023.
- RLC – There are no urban wastewater or stormwater management systems within the Rotorua part of the Kaituna co-governance area, as can be seen on this map showing territorial boundaries. An update from RLC is not applicable for this project.

Planned Completion Date: Annual reporting requirement



Quarterly Effluent Monitoring for: Te Puke 24891/RM16 0204

9.3 – The consent holder shall take samples of the treated wastewater (immediately after UV disinfection, prior to discharge to the wetland) once per week. Samples shall be measured using a 24-hour flow proportioned composite treated effluent sample and shall be analysed by a certified laboratory for the following parameters:

- Total nitrogen (g/m3)
- Total phosphorous (g/m3)
- Total suspended solids (g/m3)
- cBODS (g/m3)
- pH

9.4 – The consent holder shall take a grab sample of the treated wastewater (immediately after the UV treatment system, prior to discharge to the wetland) once per week and have the sample analysed by a certified laboratory, for E.coli (CFU/100 ml).

9.5 – The consent holder shall take grab samples in the Waiari Stream upstream and downstream of the discharge (after reasonable mixing) on a monthly basis and analyse the samples for the contaminants listed in Conditions 9.3 and 9.4.

Between December 2022 and April 2023, WBOPDC demonstrated compliance for all monitoring required by condition 9.3 and condition 9.4 of the consent RM16 0204. Table below contains sampling results required by condition 9.5, due to staff shortage, required monthly sampling in December was missed. However, first quarter 2023 results indicate the discharge from Te Puke WWTP is not having a significant adverse effect on Waiari water quality.

Date	Site	pH	Suspend ed Solids - Total	BOD5 - Total	Total Phosphorus	Total Nitrogen	E. coli
16/01/2023	Upstream of Discharge	7	6	2	0.036	1.02	60
	Down stream of Discharge	7.1	14	2	0.109	1.39	58
20/02/2023	Upstream of Discharge	6.7	11	2	0.032	1	67
	Down stream of Discharge	6.9	8	2	0.116	1.07	80
6/03/2023	Upstream of Discharge	6.9	26	2	0.091	1.26	14000
	Down stream of Discharge	6.9	31	2	0.138	1.44	17000

WBOPDC was granted a comprehensive stormwater consent 67481 to discharge stormwater, a Monitoring Plan required by this consent is being developed. Stormwater monitoring will be implemented upon completion of the Monitoring Plan.

Planned Completion Date: Annual reporting requirement

Project 3 – Consented Takes and Discharges

Output - 3D Annual Meeting with representatives of the Rotorua Te Arawa Lakes Strategy Group

Project Lead – Chairman Flavell/Jane Waldon (TMoK)

Progress Update

A meeting between the representatives will be scheduled for 2023.

Planned Completion Date: Date to be confirmed

Project 4 – Focus Catchments

Output - 4A Action Plans for Kopuaroa and Waitepuia/Ford Road sub-catchments

Project Leads – Anna Dawson (BOPRC)

Planned and completed land management works in the Kopuaroa and Waitepuia/Ford Road sub-catchments have been reported in previous reports to the group. In addition to those on-going works, Focus Catchment support is now also being offered to the wider Kaituna River catchment (outside of Focus Catchment areas), based on high-risk and larger land uses as the highest priority for funding.

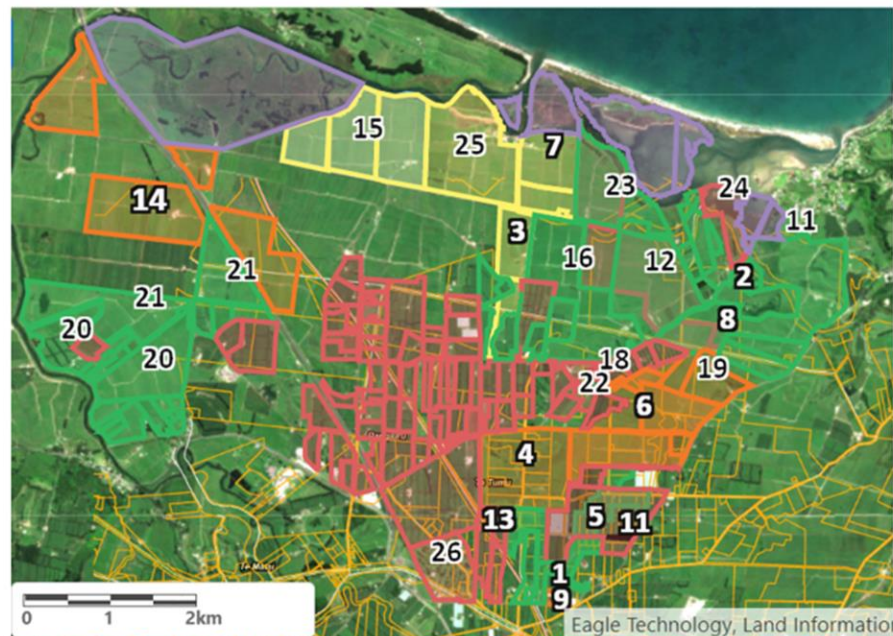
This shift is due to the conclusion of several years of concerted engagement efforts in the Focus Catchments, whereby all landowners have been contacted and offered support, with some choosing to adopt new sustainable management practices and complete land management works etc, but being a voluntary programme, the amount of new works possible was declining, therefore we are now providing an opportunity for others in the wider catchment to receive support from BOPRC. Support will also continue to be available for those within the Focus Catchment.

After only several months of new engagement an additional 5-10 brand new Environmental Programmes are already in development (and not including 10 existing Programmes with those in the Paraiti sub-catchment Landcare group of Kaituna).

Planned Completion Date 30/06/2025

Ford Road / Waitepuia Focus Catchment Engagement and EPs

- Purple** = Wetland under management
- Green** = EP signed & underway or completed
- Yellow** = Draft EP in place ready for signing
- Orange** = Site visit complete but not interested in EP or not currently feasible
- Red** = Contact made with best practice orchard management guidance provided



Example map of the engagement efforts to date, across the Ford Road/Waitepuia Focus Catchment area.

Project 4 – Focus Catchments

Output - 4B Action Plans for mid-lower Waiari Sub catchment

Project Leads – EJ Wentzel (WBOPDC) and Jennifer Pearson (TCC)

Progress Update

Te Ohu Parawai o te Waiari agreed to progress the Mauri model proposed by Dr Kepa Morgan. There is an opportunity to develop a Mauri model that spans both consents. The proposal has been signed off by Te Ohu Parawai o te Waiari and will be presented at the next Waiari Kaitiaki meeting which is due to occur in June.

Planned Completion Date: Yet to be confirmed

Project 5 – Farm Environmental Plans

Outputs - 5A Farm Environmental Plan template developed or adapted/5B Farm Environmental Plans progressed within the lower Kaituna Catchment

Project Lead – Jackson Efford (BOPRC)

Progress Update

Bay of Plenty Regional Council is currently awaiting final Freshwater Farm Plan Regulations due in the new year from Government. A likely timeline would require farm plans in 2024 but this is yet to be confirmed. This action will be progressed once further certainty exists around the regulations ([only a 'cabinet paper' document currently exists](#)), but in the interim, catchment context information is being progressed through the NPS-FM plan change implementation.

When the time comes to appoint farm plan 'certifiers' in the Bay of Plenty, the Council could specify that certifiers first attended a compulsory 'catchment context' training session in collaboration with Kaituna iwi/hapū, such that farm plans can accurately reflect cultural values in the catchment, including Mahinga kai and taonga species etc.

Planned Completion Date: 30/06/2025

Project 6 – Post Kaituna River Rediversion Enhancement

Output - 6A Restoration Work Programme Completed

Project Lead – Pim de Monchy (BOPRC)

Progress Update

The Kaituna River Re-diversion and Te Awa o Ngatoroirangi/Maketu Estuary Enhancement Project was implemented:

- To return at least 20% of the Kaituna River flows to Maketū (achieved 2021).
- To create at least 20 ha of new wetlands (achieved 2019).
- To maximise the ecological and cultural benefits (in progress since 2017).
- Inspections, annual cross section surveys and other monitoring are ongoing.

Work completed during the period December 2022 - May 2023:

- Restoration continues via the ongoing plant and animal pest control programmes at Otaiparia, Ford Island, Te Pā Ika and Papahikahawai.
- Monitoring continues as required by resource consents.
- Almost 10,000 saline tolerant plants put into the Otaiparia wetland in 2022 have survived well.
- Quarterly inspections have shown that erosion on the north bank of the inlet channel will require some remedial work.
- Staff and Councillors have met with commercial fishers and community board members regarding concerns about navigability at Te Tumu and other issues.
- Regional Council Senior Environmental Scientist Stephen Park says that the estuary is recovering/improving faster than expected with the increased flushing of Kaituna River water and enlarged tidal prism associated with the project.

The focus for future work includes:

- Action to clean up the quality of water discharged from the Waitepuia Catchment (see project 4A).
- Complete and submit 2022 Annual Report now that new Kaituna Wetland management agreement has been signed.
- Meet with tangata whenua collaboration group and the wider community in July.
- Complete and submit 2023 Annual Report.

Planned Completion Date: 2030 – although consents are held through until 2050 and the project will continue indefinitely.

Project 7 – Wetland Re-Creation

Outputs - 7A Te Pā Ika Wetland/7B Te Pourepo o Kaituna Wetland/7C Whakapou Korero Wetland/7D Wetland projects within existing EEF/Environmental Programmes

Project Lead – Courtney Bell (BOPRC)

Progress Update

Project 7A: Te Pā Ika Wetland

- Implementation of pest plant control and predator control programmes continues at Te Pa Ika wetland.
- Erosion along re-diversion channel at Fords Cut continues to be monitored and protection measures can be implemented if erosion worsens.
- Investigate potential construction of a bird viewing hide at Te Pa Ika.



Photoblique imagery captured 2022, looking east over Maketu estuary.

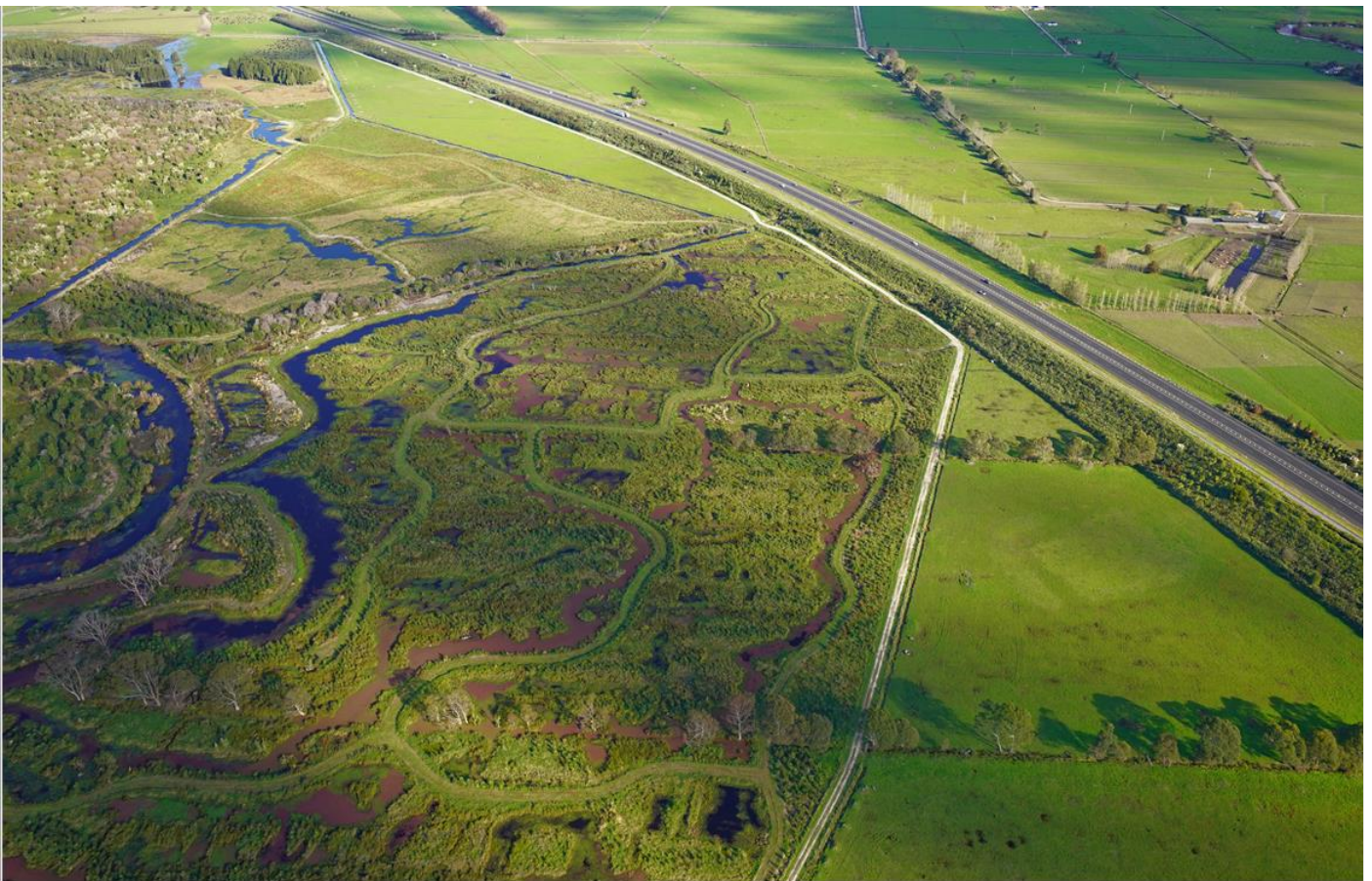


Drone image taken 18 October 2022, looking over Te Pa Ika and Kaituna River mouth/cut.

Planned Completion Date: 30/06/2024

Project 7B: Te Pourepo o Kaituna Project

- Maintenance contracts for plantings and pest plant control signed for the 2022/23 year.
- School planting and wetland education programme will continue in August and September 2023 for the fourth consecutive year. The programme is delivered in conjunction with Maketu Ongotoro Wetland Society. There are 440 students from nine local schools booked to participate in the programme.
- Main waterway reticulation channels cleared of invasive aquatic weeds in March 2023 to ensure desirable water levels and flows are maintained in existing and new areas of wetlands.
- Further wetland creation to continue in late 2023, converting another 6 ha of dairy land back into wetlands. This will complete the total area of wetland re-creation for Te Pourepo o Kaituna. Infill planting and maintenance will be ongoing, along with ecological monitoring.



Photoblique imagery taken during 2022 of te Pourepo o Kaituna Project and the Lower Kaituna Wildlife Management Reserve.

Planned Completion Date: 30/06/2025

Te Tini A Tuna – Quarterly reporting document

Project 7C: Whakapoukorero Wetland

- Environmental Programme (EP) currently in the process of being renewed to provide funding and guide restoration plans for the period 2022 to 2027.
- Te Arawa Lakes Trust and Te Runanga o Ngati Whakaue ki Maketu carrying out operational works with existing funding to continue restoration efforts while the new plan is being worked out and signed.



Photoblique of Whakapoukorero wetland taken during 2022.

Project 7D: Te Huauri o Te Kawa

Ongoing implementation of activities set out in an Environmental Programme (EP) being funded by Bay of Plenty Regional Council (BOPRC) and Western Bay of Plenty District Council (WBOPDC). Total funding of \$62,060.00 and \$10,545.00 provided by BOPRC and WBOPDC respectively, over a four-year period between 2019 and 2023. This is a Maketu Taiapure project, with Maketū Ōngātoro Wetland Society undertaking the operational works associated with the Environmental Programme (EP).



Photoblique image of Te Huauri o Te Kawa on the true right side of Kaituna River.

Outputs – 7E Lawrence Oliver Park Constructed Wetland

Project Lead – Jackson Efford (BOPRC)

Progress Update

A brand new publicly accessible wetland development and restoration is planned for Lawrence Oliver Park in Te Puke. This low-lying reserve owned by WBOPDC was previously leased for grazing but given its close proximity to town and the Te Ara Kahikatea Pathway tracks, the site has been flagged for restoration and enhancement including the construction of a biodiversity and treatment wetland. The project is only at the early scoping/design stages but will likely be delivered by a project team including BOPRC, WBOPDC, the Te Ara Kahikatea Pathway Society, and Tapuika Iwi. If things all go smoothly with design, consenting and procurement, then it may be possible to commence initial on the ground earth works in late summer 2023.



Lawrence Oliver Park in Te Puke- the future location of a constructed wetland and biodiversity area alongside the Te Ara Kahikatea walkway.



Draft wetland design for Lawrence Oliver Park.

Planned Completion Date: 30/06/2024

Project 8 – Kaituna Habitats Network

Output - 8A Work Programme developed – Te Puke/Maketū Reserve Management Plan

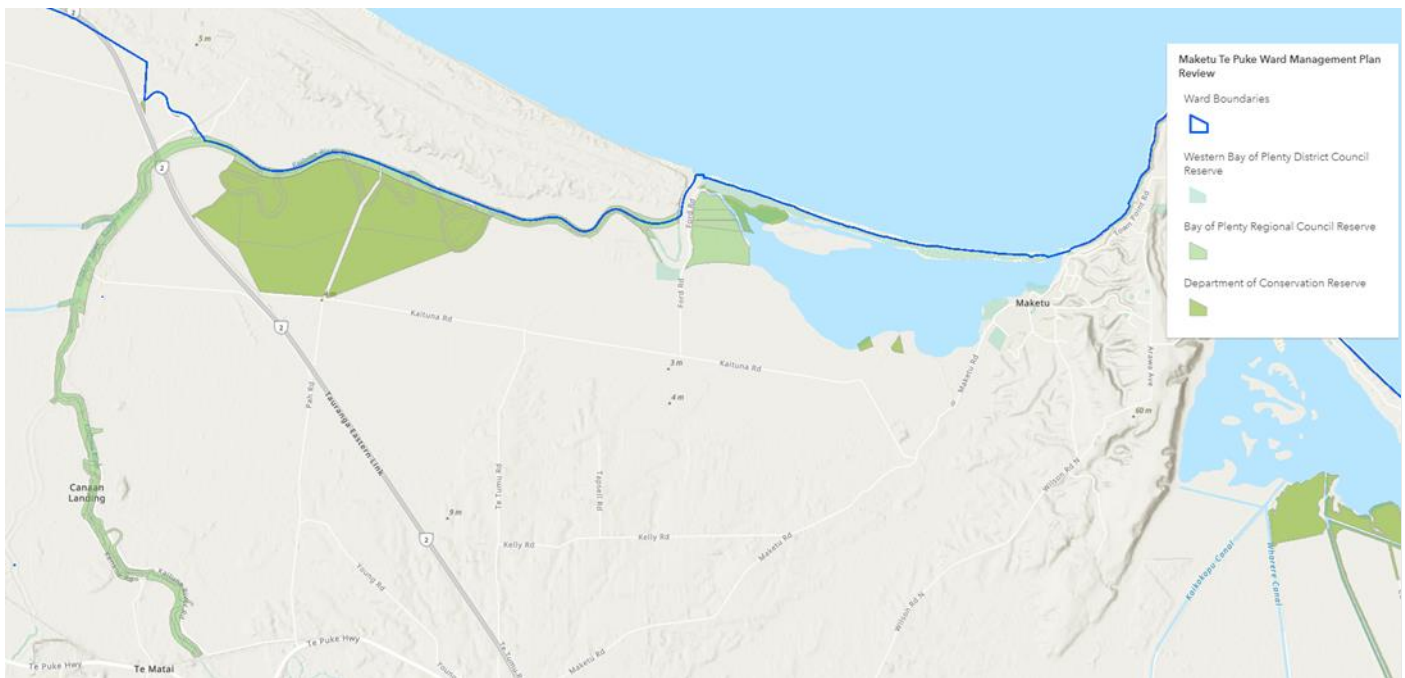
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Project Lead – Jason Crummer (WBOPDC)

Progress Update

9/12/22 - No change from previous update. Formal consultation on the Te Puke-Maketu Reserve Management Plan is complete and the final plan adopted by Council on 14 June 2022.

As part of this review, a reserves map has been developed for the Te Puke-Maketu Ward with plans. This map is now available on Council's website and includes locations of reserves, public toilets, public playgrounds and picnic/BBQ areas. It also includes BOPRC Reserve and DOC Reserve information. This map can be further developed to include where specific wetlands are located, to better understand the Kaituna Habitats Network. Consideration will also be given to including Iwi owned land. A link to the map which is now publicly available is [here](#).



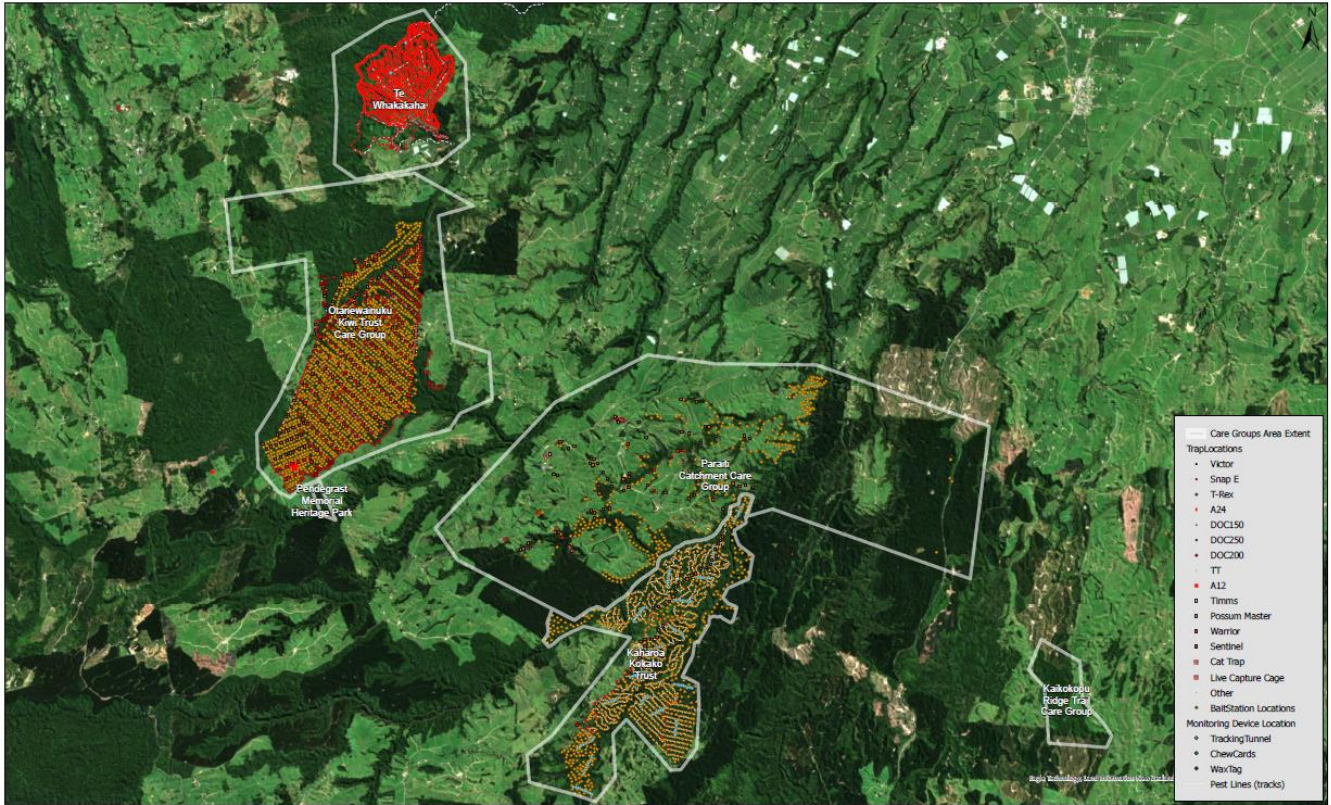
Project 8 – Kaituna Habitats Network

Outputs - 8A Work Programme developed (informed by Project 17)/8B At least one Habitat Network Connection Project complete

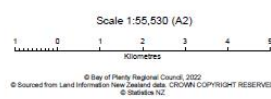
Project Lead – Courtney Bell (BOPRC)

Progress Update

- Kokako Ecosystem Expansion Programme. A collaboration to undertake ecosystem restoration by expanding and connecting Kōkako habitat from Kaharoa forest to other isolated Kōkako populations across the Bay of Plenty.
- Broad group of stakeholders invested including Tapuika Iwi Authority (TIA), Kaharoa Kokako Trust (KKT), Paraiti Catchment Care Group, Otanewainuku Kiwi Trust, Te Whakakaha care group, QE11, Department of Conservation and Nga Whenua Rahui are all involved.
- Te Wao Nui o Tapuika is a new taiao project that commences in December 2022. The project is based in the native ngahere at the top of Te Matai Road, with 6 new Tapuika staff coming on board to implement this project which is to be funded to June 2024. Special launch event to celebrate the commencement of this opportunity for Tapuika to be held mid-December. Te Matai Forest is a focus area for KEEP and Tapuika within the corridor.
- Predator free article written on KEEP in August/September 2022.
- The Kete Taiao (GIS system) has been created by Bay of Plenty Regional Council and Cay Conservation Alliance, with 70 care groups within the BOP rohe currently using the system. The Kete Taiao is a new name given in November 2022, *basket, or kit symbolic as a 'holder of things' which is exactly what a database like this is – a metaphorical basket of information and knowledge for the environment and nature.*
- See snapshot summary data for collective groups in the KEEP corridor area for 2022. *Note this data is collective shown from Kaharoa Kokako Trust, Otanewainuku Kiwi Trust Care Group, Paraiti Catchment Care Group, Pendergrast Memorial Heritage Park, Te Whakakaha Trust.*



MAGNETIC NORTH on this map is 23.1° (2022) from the DATE of this report (July 2022) increasing at the rate of approximately 1° per 100 years.
 HORIZONTAL DATUM: New Zealand Geoid Datum 2000 (NZGD2000). For precise positions, 10000000 equates to 1000000.
 VERTICAL DATUM: Mean Sea Level
 PROJECTION: New Zealand Transverse Mercator 2000 (NZTM2000)



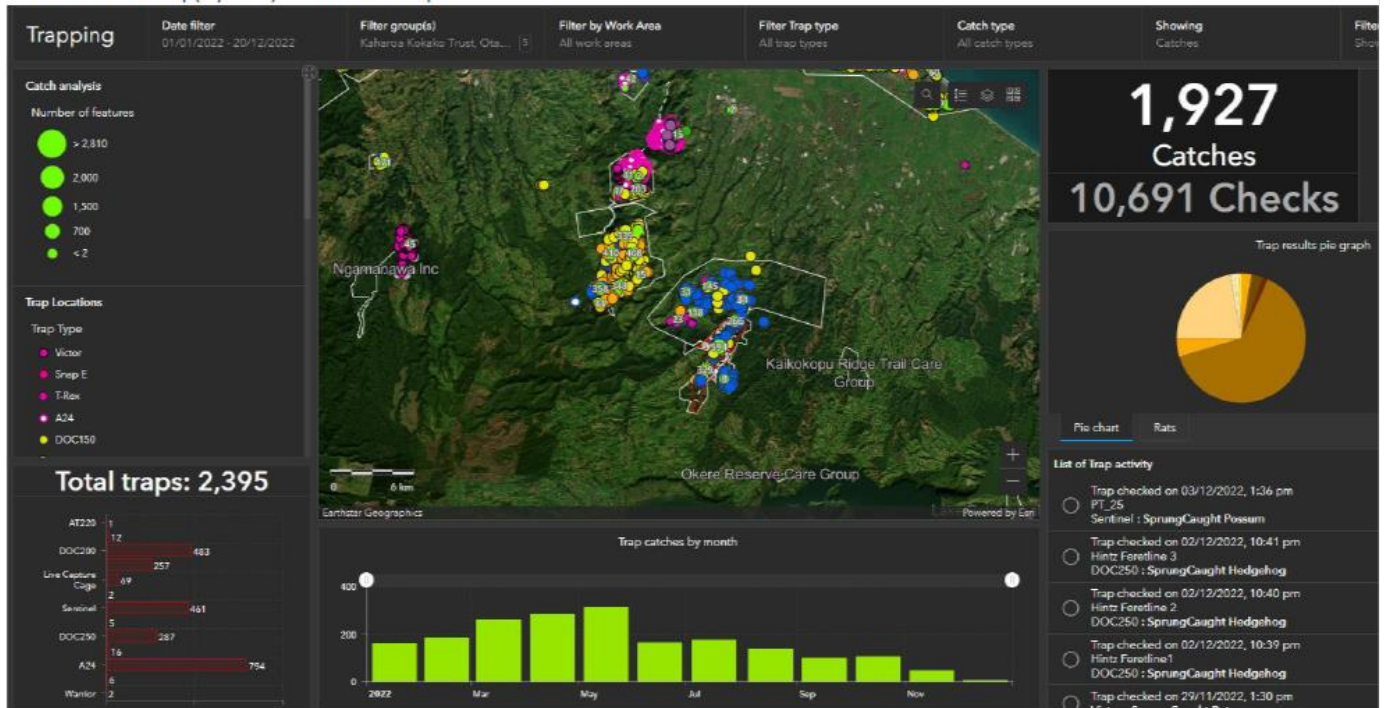
Care Group Pest Control - Kaituna Catchment

GSP-668861
Sheet 1 of 1
Printed 27/07/2022

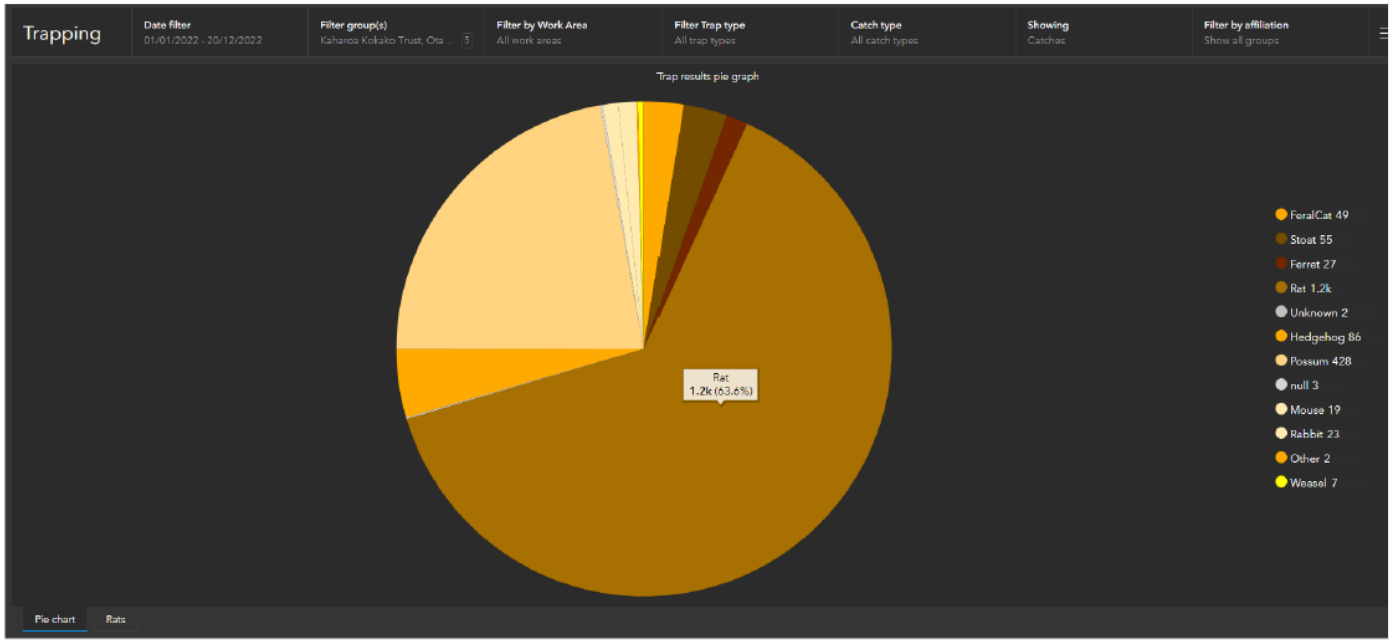
Map of BOPRC dashboard showing current active care groups in the Kokako Ecosystem Expansion Programme (KEEP) rohe, showing all trap/bait station/monitoring tools.

January 2022 – December 2022 stats

- Total kills for the year: 1927
- Total number of traps out in the KEEP area: 2395
- Green dots on map (key on left) shows most active traps



- 63% of pests caught for the year was Rats (1200 individuals)
- Other species and numbers shown on right.



Above) Trap data from January 2022 – December 2022 for collective groups in KEEP corridor.

January 2022 – December 2022 stats

- Busiest baiting time – June. 51 checks per month.



Above) Bait data from January 2022 – December 2022 for collective groups in KEEP corridor.

Planned Completion Date: 2050

Project 9 – Pataka Kai

Outputs - 9A Kaiawa Working Group established/9B Work programme developed/9C Priority habitat restoration projects identified

Project Lead – Hiria Te Amo (Tapuika Iwi Authority)

Progress Update

The project management component of the Pataka Kai Project has been handed over to the Tapuika Iwi Authority, given their increase in capacity and capability over recent years (since the project started).

A full progress update will be provided in the next Status Report.

Planned Completion Date: This stage of the project (pilot study) should now be completed within the 2023/24 financial year.

Project 10 – Kaituna Community Connection

Outputs - 10A Communications Strategy developed/10B TMoK Website Developed/10C Annual work plan released/10D At least one annual community event/10E River Symposium held

Project Lead – Chairman Flavell/Jane Waldon (TMoK)

Progress Update

10A Communications Strategy Developed – The website has now been completed with training to be provided in the New Year. The website forms a major part of the communications strategy., The communications strategy is being finalised as a final draft for approval by the committee.

Planned Completion Date: 28/02/2023

10B TMoK Website Developed - Work on a new website for Te Maru o Kaituna has been completed.

Planned Completion Date: 31/08/2022

10C Annual Work Plan Released - The secretariat work plan has been completed.

Planned Completion Date: 31/08/2022

10D At least one annual community event -

Planned Completion Date: 31/08/2022

10E River Symposium held - A river symposium was being planned for April 2023. A committee had been formed, and sponsorship had been requested and approved. However, the symposium had to be postponed due to the Chair of Te Maru o Kaituna's ill health. It is likely the Symposium will be deferred to either 2024 or 2025.

Planned Completion Date: 30/04/2023

Project 11 – Kaituna River Access

Outputs - 11A River Access Mapping Task Completed/11B – Feasibility Study Completed for Waka Launching Site

Project Lead – Jason Crummer (WBOPDC)

Progress Update

09/12/22 - No change from previous update. Formal consultation on the Te Puke-Maketu Reserve Management Plan is complete and the final plan adopted by Council on 14 June 2022.

This plan includes reserve specific information for Council owned reserves and outlines key information and approaches to the management of these, including community aspirations for each site and specifically recognises Te Tini a Tuna – Kaituna Action Plan 2019-2029.

Improved access to the Kaituna River has been reflected in the plan and especially under the reserve management approach for Bell Road Reserve, where Te Tini a Tuna and the investigation for the site to be used for a waka launching site is specially included.

Planned completion date: Indicative timing for feasibility and implementation is 2022-2026.



Kaituna

Bell Road Reserve

28 DRAFT Te Puke-Maketu Reserve Management Plan

Reserve specific information	
Address/Location	Bell Road, Kaituna
Reserve Act Classification	Road reserve
Reserve Category (Primary Purpose)	Recreation and ecological linkages
District Plan Zone	Rural
Property ID	NA
Parcel ID	1386
Size	NA
Current State	Informal carpark with jetty
Maintenance Levels of Service	None at this time
Inventory	Jetty, Seat, carpark
Utilities	None
Leases	None

Background

- Informal carpark with jetty located at the end of Bell Road providing access to the Kaituna River.

Reserve Issues

- Limited open space at the site.
- Some feedback from the community that jetty facility could be improved and that the wooden structure may not last long term.

Reserve Management Approach

- Investigate potential for additional reserve facilities such as seating.
- Investigate opportunity to provide naming signage at reserve frontage.
- Continue to maintain reserve as small utilities and recreation area.
- Investigate designation of part of road reserve to recreation reserve.
- Continue to work with Te Maru o Kaituna River Authority to improve access to the Kaituna River and implement Te Tini a Tuna – Kaituna River Action Plan.
- Investigate opportunity for site to be used for waka launching site.
- District-wide reserve objectives and policies apply.

2021-2031 Long Term Plan	Indicative Costings (total)	Indicative Timing
Bell Road Kaituna River Access	\$157,000	2021 - 2031
Ongoing maintenance will continue. See information above for agreed levels of service.		

Planned Completion Date: No planned completion date at this stage.

Project 12 – Kaituna Cycleway/Walkway

Outputs - 12A Strategy Completed/12B Strategy Implementation (TEL to Maketū Connection)

Project Lead – Scott Parker (WBOPDC)

Progress Update

The only change since the previous update, is that WBOPDC's application to the Tourism Infrastructure Fund (Round 6), for funding towards a cycleway along the stopbank between the TEL and Ford Road (Otaiapia Reserve) at Maketū, was declined. The project status is currently "amber" reflecting that funding is not yet allocated towards this project and therefore cannot be advanced for now. Implementation timing remains subject to funding prioritisation (zero funding is currently allocated) and all land access requirements resolved.

We understand that discussions by BOPRC with a private property owner, about cycleway route alignment along a short section of privately owned stopbank may have commenced and we look forward to an update about that if this is the case.

Staff have requested feedback from TMOK governance as to any expectations about timing or other aspects about this project – **none has yet been received.**

Planned Completion Date: Unknown at this stage

Project 13 – Kaituna Cultural and Historical Heritage

Outputs - 13A Interpretation Plan Completed/13B Interpretation Plan Implementation

Project Lead – Chairman Flavell/Jane Waldon (TMoK)

Progress Update

Planned Completion Date: Yet to be confirmed

Project 14 – Upper Catchment ‘Gateway’

Output - 14A Concept Plan Developed

Project Lead – Nick Chater (RLC)

Progress Update

The project has successfully received Funding from - Rotorua Energy Charitable Trust, Bay Trust, Project Crimson.

Projects completed to date:

- Removed 8ha of gorse alongside the Okere Awa/Kaituna River
- Planted 16,000 native trees
- Removed 163 goats
- 30 bait stations
- 70 DOC 200 and Trapinators in use
- Fenced 2,000 lm of riparian margin
- Planting and pest eradication programs with commercial zipline clients and planting projects with local schools and youth service providers.
- Ongoing pest plant eradication
- Wider community use of pest traps and access to funds through the Trust.
- Current poisoning program on Taheke land with BOPRC and Awa, potential for plants too.
- More land being made available for planting.



Ongoing work

- Clearing and re-baiting traps fortnightly (spring-summer) and monthly (autumn-winter)
- Relocating traps to keep them productive and in working order
- Roll out toxin control as required
- Conduct ongoing monitoring (trap catch data, bird counts and photo points)
- Provide evidence that traps and bait are being used following best practice

Our members (volunteers)

Each month we collectively volunteer more than 120 hours to various projects around Okere Falls.

Volunteers: Stu Luke, Sam Sutton, Neil Sutton, Carol Goodman, Sarah Uhl, Rotorua Ziplines and Rotorua Rafting staff.





Group aspirations - Our Goal is to restore the Mauri to the Okere Awa in conjunction with Te Maru O Kaituna.

- Riparian weed removal
- Riparian native planting on the awa 12 ha
- Riparian Fencing 2000lm
- Pest fauna eradication in the immediate Okere catchment including Okere 1B3C, 500ha
- Pest Eradication to less than 1% on the shores of Lake Rotoiti.
- Install stormwater drain sleeves on all drains/ creeks into the catchment



Outcome monitoring

- Trapping catch data will be monitored closely to determine if any changes need to be made to continue to catch predators.
- Trapping data will be recorded on the Bay of Plenty Regional Council Care Group App.
- 6 monthly bird counts will be carried out.
- 6 monthly photo points will be conducted to follow progress.

Work Plan (future aspirations)

With much of the reforestation and pest trapping work around the top part of the Okere/Kaituna awa, our future aspirations are to move these projects out into the wider Okere Falls area and work with a range of organisations and motivated locals to achieve our key goals. Some work has already started as we start to remove pest species (animal and plant) and plant native plant species.

Proposed area for future key projects (below map)



2022-2023

- Cutting and labelling new trap lines
- Installing new traps with appropriate naming convention and logging them into the Care Group App
- Expand trapping network to host 200 traps and 200 bait stations
- Plant to 20,000 trees not foundered by BOPRC at this stage
- Clear a further 1 ha of pest flora from the immediate catchment in Ōkere Falls
- Undertake 5min bird counts around pest control area

Planned Completion Date: Unknown at this stage

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Project 16 – State of the Awa Integrated Monitoring and Reporting

Output - 16A Integrated Monitoring Plan Developed/16B Implementation of Integrated Monitoring Plan

Project Lead – Gina Mohi (BOPRC)

Progress Update

Planned Completion Date: 2023-2025

Project 17 – Kaituna Catchment Network Mapping

Output - 17A Completed Stocktake and Collation of Available Information BOPRC most aspects, WBOPDC River Access and Cycleway Component

Project Leads – Georgia Edwards (BOPRC), Jason Crummer (WBOPDC)

Output - 17B – Completed Feasibility Study for Project 7

Project Lead – Georgia Edwards (BOPRC)

Output - 17C Completed Feasibility Study for Project 8 – BOPRC most aspects, WBOPDC River Access and Cycleway Component

Project Leads – Georgia Edwards (BOPRC), Jason Crummer (WBOPDC)

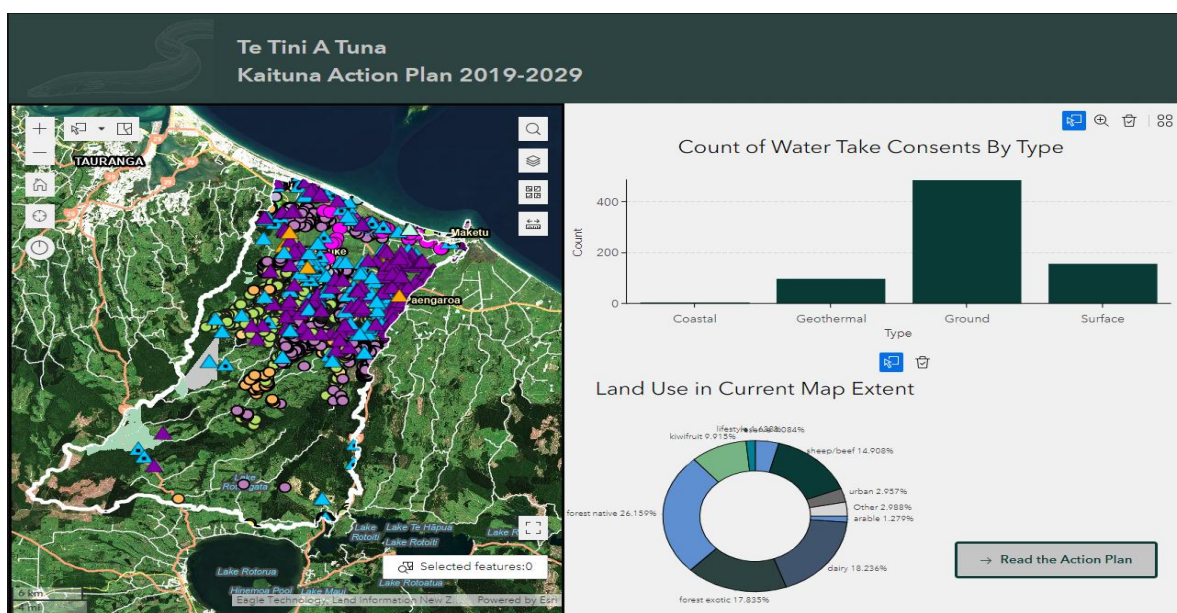
Progress Update

17A (Georgia Edwards, BOPRC) - Map with relevant layers and graphs is still available in our ArcGIS Online environment and ready to share for feedback with anyone interested in reviewing the tool. Next steps for 17 A/B/C remain consistent with previous quarter. Further guidance on how this tool is going to be used and the audience for this tool is required to guide any further updates and how widely the link to the tool should be shared.

17B (Georgia Edwards, BOPRC) - Previous reporting stated that data for this project is mostly available. These datasets have been included in the web map/experience builder project mentioned above. Project 7 remains a focus for my discussions with land management officers.

17C (Georgia Edwards, BOPRC) - Datasets I currently have that are relevant to this project are included in the web map/experience builder. Project 8 remains a focus for my discussions with land management officers.

Planned Completion Date: 2023



Kaituna Action Plan Experience Builder. The graphs filter by the extent of the map. Layers can be turned on or off using the buttons in the top right corner of the map.

Bay of Plenty Regional Council OPERATIONS

Maritime Update

From December 2022 – April 2023 the BOPRC Maritime Team has undertaken the following in the Kaituna Catchment area:

Upgrades on our Kaituna Signage:

Audit of Kaituna maritime signage with fixes scheduled for completion

- Replacement of Bell Road signage sticker due to extensive tagging on sign and frame
- Re-installation of Mangorewa Confluence 5-knot sign, which came down when a tree landed on it during a storm

To revise graphics showing bylaw as it relates to the Kaituna River Mouth and vessel speed (Ford Road and Bell Road maritime signage)

Enhancement of our Maritime Patrol coverage:

Patrol vessels spend time on the Kaituna River and at local ramps to enforce and educate the public on the *Navigation Safety Bylaw 2017*; in previous years our patrol has been seasonal and ended in April, however from this year we will begin maintaining a year-round patrol.

Navigation Safety Bylaw Review:

BOPRC Maritime is reviewing the existing bylaw and as such has engaged in consultation with the Maketū community and wider region regarding current bylaw, including the speed uplifting on the Kaituna River, with the following occurring wholly or partially during the proscribed period:

- Phase 1 engagement—Summer Engagement (Oct- 22 – Feb 23)
- Phase 2 engagement—Focussed engagement and open days (Mar 22 – Aug 23)
- Development of draft Nav Safety Bylaw (Mar 23- Aug 23)

Regular monitoring of the BOPRC Kaituna Camera.



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Te Maru
o Kaituna