Tauranga Moana Advisory Group Agenda

NOTICE IS GIVEN that the next meeting of the Tauranga Moana Advisory Group will be held at the Cruise Deck, Club Mount Maunganui, 45 Kawaka Street, Mount Maunganui on:

Friday, 16 August 2019 commencing at 9.30 am.

Ngāi Te Rangi Iwi

Te Tāwharau o Ngāti Pūkenga

Ngāti Ranginui Iwi

Tauranga City

Western Bay of Plenty District Council

BAY OF PLENTY REGIONAL COUNCIL TOI MOANA

Fiona McTavish
Chief Executive, Bay of Plenty Regional Council
Toi Moana
6 August 2019

Te Awanui Tauranga Harbour Advisory Group

Statement of Purpose

He aha ai? - *purpose*

Whanaungatanga and kaitiakitanga are the basis on which we want to move forward together. The purpose of Te Awanui Tauranga Harbour Advisory Group is to continue building strong working relationships to support and enhance the health of our harbour and catchments.

Ahuatanga o te noho - *background*

The Tauranga Moana Iwi Collective Deed of Settlement, once passed into law, will require a Tauranga Moana Governance Group to be established. To prepare for the Governance Group, this Te Awanui Tauranga Harbour Advisory Group has been established. The first Advisory Group meeting was held 17 November 2014 and it will continue to meet, share information and provide direction to staff of partner agencies until replaced by the Governance Group.

Whai wāhitanga - *participation*

Participants in Te Awanui Tauranga Harbour Advisory Group will be representatives of the partners to Te Awanui Tauranga Harbour Programme. At this stage, partners include Tauranga Moana iwi and hapū as represented by Ngāti Ranginui, Ngāi Te Rangi and Ngāti Pūkenga (Tauranga Moana Iwi Collective) as well as Western Bay of Plenty District Council, Tauranga City Council and Bay of Plenty Regional Council.

Ngā turanga - *roles*

The role of participants in the Advisory Group is to:

- **Whakataurite - *coordinate*:** oversee and contribute to the work that partners do in the harbour and catchments
- **Whakarongo - *listen*:** ensure the views of the hapu, iwi and wider community are represented in the work we do
- **Whakawhanaungatanga - *involve*:** promote and support hapū, iwi and the wider community participating in our work
- **Whakatohatoha - *share*:** provide regular updates to, and share information with partners
- **Whakakotahi - *integrate*:** promote the integration of our work so we can achieve our purpose together

Chairperson:	Councillor N Bruning (Bay of Plenty Regional Council)
Deputy Chairperson:	C Tawhiao (Ngāi Te Rangi)
Members:	Councillor P Thompson (Bay of Plenty Regional Council) Councillor A von Dadelszen (Bay of Plenty Regional Council) Councillor M McDonald (Bay of Plenty Regional Council) Councillor C Stewart (Tauranga City Council) Councillor K Clout (Tauranga City Council) Councillor P Mackay (Western Bay of Plenty District Council) Councillor M Dean (Western Bay of Plenty District Council) T Kawe (Ngāti Ranginui) R Smallman (Ngāti Pūkenga) K Tapsell (Ngāti Pūkenga) P Bennett (Ngāi Te Rangi)
Observer:	J Milham (Department of Conservation)
Committee Advisor:	M Pansegrouw

Agenda

1 **Karakia/Mihi – Welcome**

2 **Apologies**

3 **Declarations of Conflicts of Interest**

4 **Previous minutes**

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5.2 Ngai Te Rangi

5.3 Ngati Pukenga

5.4 Western Bay of Plenty District Council

5.5 Tauranga City Council

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8 **Presentations**

8.1 Tauranga Moana Wai Maori Strategy Update
Presented by Pia Bennett, Ngai Te Rangi
8.2 National Policy Statement for Freshwater Management – Te Mana o Te Wai
Presented by Santiago Bermeo, Bay of Plenty Regional Council
8.3 Swan Control
Presented by Matt McDougall, Fish and Game
8.4 Tauranga Moana marae OSET Project
Presented by Terry Long, Bay of Plenty Regional Council
8.5 State of the Environment Report
Presented by Josie Crawshaw, Bay of Plenty Regional Council
SUPPORTING DOCUMENT - Tauranga Moana State of the Environment Report (Circulated under separate cover)
8.6 Focus Catchments
Presented by Pim de Monchy, Bay of Plenty Regional Council

9 **Consideration of General Business**

10 **Date of next Meeting – TBC**

11 **Karakia / Close of meeting**

Minutes of the Tauranga Moana Advisory Group meeting held at the Cruise Deck, Club Mount Maunganui, 45 Kawaka Street, Mount Maunganui, on Friday, 17 May 2019 commencing at 9.30am

Present:

Chairperson: Cr Norm Bruning - Bay of Plenty Regional Council

Members:
Pia Bennett - Ngāi Te Rangi
Te Pio Kawe - Ngāti Ranginui
Cr Mark Dean - Western Bay of Plenty District Council
Cr Peter Mackay - Western Bay of Plenty District Council
Cr Kelvin Clout - Tauranga City Council
Cr Catherine Stewart - Tauranga City Council
Cr Matemoana McDonald - Bay of Plenty Regional Council
Cr Paula Thompson - Bay of Plenty Regional Council

Observer: Jeff Milham - Department of Conservation

In Attendance:

Bay of Plenty Regional Council (BOPRC):
Sarah Omundsen - General Manager Regulatory Services; Pim De Monchy - Coastal Catchments Manager, James Low - Team Leader Policy (Freshwater); Toby Barach - Principal Advisor, Coastal Catchments; Clarke Koopu - Senior Advisor (Treaty); Reuben Gardiner - Senior Planner (Water Policy) and Merinda Pansegrouw - Committee Advisor

Tauranga City Council (TCC):
Radleigh Cairns - Consents Officer, Growth & Infrastructure; Cheryl Steiner - Strategic Planner; Clinton Bowyer - City Project Analyst

Western Bay of Plenty District Council (WBOPDC):
Chris Nepia - Māori Relationships & Engagement Advisor; Jodie Rickard - Senior Policy Analyst

Apologies: Charlie Tawhiao - Ngāi Te Rangi, Riki Nelson - Ngāti Ranginui and Cr Paula Thompson - Bay of Plenty Regional Council for lateness

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1 Opening Karakia

Te Pio Kawe opened the meeting with a karakia.

2 Apologies

Resolved

That the Tauranga Moana Advisory Group:

1 Accepts the apologies tendered by Deputy Chairperson Charlie Tawhiao, Riki Nelson and Cr Paula Thompson for lateness.

Bruning/McDonald
CARRIED

3 Declarations of Conflicts of Interest

Nil

4 Previous Minutes

4.1 Tauranga Moana Advisory Group Minutes – 15 February 2019

Resolved

That the Tauranga Moana Advisory Group:

1 Confirms the Tauranga Moana Advisory Group Meeting Minutes of 15 February 2019, as a true and correct record.

Clout/Stewart
CARRIED

5 Update from Partners

5.1 Ngāi Te Rangi

Refer item 5.2.

5.2 Ngāti Ranginui

Te Pio Kawe provided the following verbal update:

Key Points
- Attended the Waitangi Tribunal Inquiry Hearing in Wellington during the week of 8 to 12 May 2019
- Similar to the Environmental Court, evidence was given by the six iwi who had grievances against the Crown's handling of the Pare Hauraki Treaty settlement
- The outcome of the inquiry was expected by August/September 2019
- Maintained mana whenua over Tauranga Harbour and hoped for recognition of tikanga Māori as a culturally appropriate way to find a solution
- From an iwi/hapū perspective, supported the continuation/momentum of the Tauranga Moana Advisory Group's activities to progress the engagement and contribution of iwi/hapū to the Tauranga Moana Programme and to facilitate an effective decision-making process.

5.3 Ngāti Pukenga

Nil

5.4 Western Bay of Plenty District Council

Western Bay of Plenty District Council Councillors Peter Mackay and Mark Dean provided a verbal update highlighting the following:

Key Points
- Overview of the history relevant to Te Rereatukahia Marae Wastewater Connection

  - Although a sewer system was in place within 50m of the marae, there was currently no connection to the marae
  - All parties were keen to make the connection; however, the current challenge remained the cost of the connection
  - Confirmed that current discharges from Te Rereatukahia Marae were not causing any adverse effects
- Ongare Point Wastewater Scheme had been completed
- Tahataharoa Land Purchase and Restoration Project was on track
- Cycleway link between Omokoroa and Tauranga was progressing well.

Point Raised by Members

- Tahataharoa wetland was a culturally-sensitive/waahi tapu area – evident by the fact that matters had previously been addressed in the Environment Court; advised that a cautionary approach be followed by relevant staff during the engagement process with Pirirakau hapū.

In Response to Questions

- A report on the outcome of an investigation into the status of wastewater treatment services at marae around Tauranga Moana was considered by the Regional Direction and Delivery Committee of Bay of Plenty Regional Council. The report was currently confidential as it involved complex and highly sensitive issues, particularly with respect to Māori obligations to kaitiakitanga in freshwater. As a next step, staff intended to engage with trustees from relevant marae in Tauranga Moana to discuss ways in which Regional Council could facilitate discussions on these matters.

Item for Staff Follow-up

- A copy/version of the report on the outcome of the investigation into the status of wastewater treatment services at marae around Tauranga Moana to be provided to the Tauranga Moana Advisory Group once the confidential report had been released from public excluded status.

5.5 Tauranga City Council

Cr Catherine Stewart highlighted TCC key work streams as follows:

Key Points

- Construction of the new sludge thickening and dewatering plant at Te Maunga Waste Water Treatment Plant was complete and commissioning was continuing. All thickened sludge was now transported to Hampton Downs
- As part of the City Water's drive to reduce wastewater blockages in the network, the wet wipe campaign "Save our pipes from wipes" was progressing well and continued to raise awareness with local communities. Data on the decrease in blockages due to wet wipes since the campaign started would be provided at a future meeting
- As part of the Industrial Stormwater Audit Programme over a 100 industrial sites in the Waimapu Estuary catchment had recently been audited by TCC and BOPRC; a detail report would be provided in due course
- Work was currently underway in the Mount Industrial catchment area to improve stormwater flow
- Good progress had been made with reinstating the coastal edge as part of the Kulim Park Redevelopment Project.

In Response to Questions

- TCC's Parks Department was currently investigating the installation of soft engineering options/ecological features at Kulim Park as part of the coastal

restoration of the Redevelopment Project, developing the park in a sustainable manner.

5.6 Bay of Plenty Regional Council

Cr Norm Bruning outlined BOPRC priorities:

Key Points

- Kaimai Mamaku Catchment Forum had been successful in getting the Kaimai Project through to Stage 2 of the Predator Free 2050 funding round. $4.6 million had been applied for
- Funding from the Provincial Growth Fund had been provided to Predator Free 2050, with the expectation that successful projects would specifically build iwi and hapū capacity and capability
- Kaitiaki in Tauranga Moana were recently engaged to undertake a cultural flow checklist on ten streams of significance
  - The work was undertaken following the extremely low flows experienced before Christmas; a report had been prepared on the results of the work
  - Staff were working with Ngāi te Rangi on securing Ministry for the Environment funding for cultural flows
- Port of Tauranga Stormwater Discharge Consent Application had been heard at a limited hearing last week
  - TCC was the only submitter present at the hearing, with tangata whenua having withdrawn their submission
  - All parties were in support of consent being granted, subject to addressing some technical and legal matters through the consent conditions
  - Commissioner Greg Hill adjourned the hearing and instructed BOPRC, the Port and TCC to each provide comments on a final set of conditions that would be considered when making a final decision on the application.

6 Conservation Update

6.1 Department of Conservation

Department of Conservation District Manager Jeff Milham provided a verbal update, outlining the following:

Key Points

- Kaimai Mamaku Kauri Protection
  - Recently appointed a project co-ordinator role to drive the kaupapa
  - National (Kauri dieback) Pest Management Plan proposal: to be live in September, pending ministerial sign-off
  - Upgrading of tracks progressing well
  - Physical closure of six walking tracks in the northern Kaimai Mamaku Conservation Park to protect kauri was ongoing and a necessary measure to keep the disease from spreading
  - Track Ambassadors Pilot Programme Initiative for the Kaimai Ranges launched today

10.05 am – Cr Thompson **entered** the meeting.

- Kaimai Mamaku Catchments Forum
  - Good progress had been made - supported by DOC and councils
  - As part of the funding process, Jeff Milham and Department of Conservation Director Operations, Central North Island Region, Damian Coutts would meet with BOPRC Chief Executive Fiona McTavish

- Bay of Plenty Conservation Management Strategy
  - Over the last year, the draft strategy had been reviewed; timeframes would be extended to review conversations/consultations.

7 Reports

7.1 Strategic Context: Freshwater Futures update

Bay of Plenty Regional Council Team Leader Policy (Freshwater) James Low presented the report and responded to questions:

Key Points

- Government's Essential Freshwater and Three Waters Policy Programmes were likely to be released in July/August 2019 as proposed discussion documents
- Pre-mediation meetings had been held with all appellants of Proposed Plan Change 9 – Region-wide Water Quantity. An appeals sub-committee has been formed and has had its first meeting. Multi-party mediation meetings were underway
- The Plan Change 10 hearing was currently adjourned and an interim decision on Stage 1 would be made by the Environment Court in due course. No date for the stage 2 Hearing had been set
- Baseline work was largely complete for the Tauranga (Plan Change 16). Initial discussions with Waikato University have highlighted the possibility of using their harbour model to support the freshwater policy work. Further consideration was required before any decision could be made.

In Response to Questions:

- In response to a question relating to the membership/representation on the Regional Water Advisory Panel, the following was provided

Members of the Regional Water Advisory Panel		
Sector/Interest	**Organisation**	**Member**
Māori		Roku Mihinui –CEO of Te Arawa Lakes Trust
		Karamea Insley
Environmental	Forest and Bird	Rebecca Stirnemann – Central North Island Regional Manager
	Fish and Game	Eben Herbert - Resource Management / Habitats Officer
	Department of Conservation	Michel Dedual - Science Advisor
		Linda Conning – Consultant
Economic Development	Bay of Connections	Anthony Olsen – Māori Business
		Tanira Kingi – He Mauri Ohooho (alternate)
Energy	Trustpower	Nicola Foran – Lead Environmental Advisor
Forestry	PF Olsen	Kit Richards – Environment Manager
	OJIFS	Philip Millichamp – National Environmental Manager
Agricultural	Dairy NZ	Justine Young – Senior Policy Advisor
	Horticulture NZ	Chris Keenan – Natural Resources and Environment Advisor
	Beef and Lamb	Corina Jordan – General Manager, Market Access
	Federated Farmers	Rick Powdrell - Past BOP Provincial President

	Irrigation NZ	Andrew Curtis – CEO
	Te Puke Fruitgrowers Assn	Ross Bawden
Observer	Martin Meier	Federate Farmers Senior Reg. Policy Advisor

Resolved

That the Tauranga Moana Advisory Group:

1. Receives the report, Freshwater Futures Update dated 10 April 2019.

Mackay/Clout
CARRIED

7.2 Tauranga Moana Programme Update

Bay of Plenty Regional Council Coastal Catchments Manager Pim De Monchy presented the Tauranga Moana Programme Update Report:

Key Points Highlighted

- He Korowai Mātauranga, BOPRC's regional mātauranga Māori internal staff framework had been prepared which would assist Toi Moana in working with tangata whenua. The draft implementation plan was due 30 June 2019 and would give effect to three Muka or strands: (1) developing cultural responsiveness tools to support staff; (2) preparing a relationship strategy that will enhance staff capability to respond to tangata whenua; and the interfacing of mātauranga with science, and (3) development of a repository of mātauranga that was centralised and managed in collaboration with Māori
- Summer had seen significantly lower volumes of sea lettuce washing up around the inner harbour beaches
- A seagrass ecosystem health trial had been undertaken in Tauranga Harbour and would measure a range of seagrass health metrics
- Planning was underway for the 2020 Happy Harbour Fun Day
- As part of the BOPRC Annual Plan 2019/20 submissions process, Regional Council had received a request for the capital purchase of land on Matakana Island for use as a regional reserve, to be potentially co-managed
- Currently focusing on the following four Tauranga Moana tributaries with a higher degrees of tension: Uretara Estuary, Te Mania/Project Parore, Kopurereroa Valley and Waitoa
- Kaimai Mamaku Catchments Forum Biodiversity Group was working through a process to develop a pest animal management plan for the Kaimai Mamaku with help from pest control experts

Points Raised by Members

- Noted that the science relating to Swan Control would be presented by Fish & Game at the next meeting of the Advisory Group
- Long term plan priorities raised by Ngāi Te Rangi and Ngāti Ranginui:
  - Currently the Tauranga Moana Framework was a mechanism whereby iwi/hapū put their priorities forward via the Tauranga Moana Advisory Group
  - This process, however, needed to be reconsidered; an alternative effective process whereby iwi/hapū priorities/projects for the Tauranga Moana Framework were resourced and scoped through the long term plans of the various district/city and regional councils was required
  - Iwi/hapū should be given an opportunity to put forward their own aspirations and priorities for Tauranga Moana

- Currently iwi/hapū was involved in the programme activities purely as a consequence of them domiciling in the area where the projects were occurring and being mana whenua
- This should be changed: iwi/hapū should put forward their issues by means of the following: (1) the actions contained in the two Tauranga Moana Management Plans needed to be scoped/funded/refined into the programme and (2) the effective engagement and participation of hapū: a submission had been prepared as part of the BOPRC Annual Plan 2019/20 process for the formation of Tauranga Moana Kaitiaki Te Awanui Forum to allow opportunity for tangata whenua discussion/prioritisation, with the appropriate technical advice and secretarial support, feeding into the different agencies
- Required a stock take of the two Tauranga Moana Management Plans (Te Awanui Tauranga Harbour Iwi Management Plan 2008 and the Tauranga Moana Iwi Management Plan 2016 – 2026) on what actions had been completed/progressed and what actions were still outstanding.

Items for Staff Follow-up

- A report to be submitted to the Tauranga Moana Advisory Group on the outcome of additional water quality monitoring taking place in the Kaiate catchment to determine the load of E-coli coming from the beginning of the Otawera stream, tributaries and from the bush
- All parties to have an initial conversation on how the proposed Tauranga Moana Kaitiaki Te Awanui Forum could look like and what the capacity building of hapū/iwi would involve.

Resolved

That the Tauranga Moana Advisory Group:

1 Receives the report "Tauranga Moana Programme Update" containing the Tauranga Moana Programme Dashboard dated May 2019.

Bruning/Clout
CARRIED

8 Presentations

8.1 WBOPDC Environment Strategy

Refer PowerPoint Presentation Objective ID A3241351

Western Bay of Plenty District Council (WBOPDC) Senior Policy Analyst Jodie Rickard, by means of a PowerPoint Presentation, provided an overview of the WBOPDC Draft Environment Strategy:

Key Points of the Presentation

- Purpose of the Strategy
  - Prepared under the Local Government Act 2002
  - Guided Council's investment and work programme and the actions Council would take
  - Actions related to Council's functions (did not cover all things environmental, covered the things Council was responsible for)
  - Strategy would be included in the Long Term Plan – activity plans would deliver on the strategy
- Highlighted the alignment between the Tauranga Moana Programme and the WBOPDC Draft Environment Strategy in terms of vision/outcomes and goals

- Tauranga Moana Work Programme Actions included the following:
  - Tauranga Harbour Inundation and Coastal Erosion models / Margins Project / Stream works
  - Coastcare
  - Predator Free BOP
  - Katikati Hills to the Ocean – H2O Improvement Project
  - Project Parore
  - IP3 Hazardous Activities and Industries List activity audits
  - Regional Wastewater Overflow Forum
  - Water craft and general harbour access surveys
  - Tahataharoa Land Purchase and Restoration Project
  - District-wide natural environment support
  - Ongare Wastewater Scheme / Katikati Wastewater Treatment Scheme
  - Seawalls
  - Omokoroa to Tauranga Cycleway
  - Proposed Kerbside Rubbish Collection (Rates funded)
- Next steps:
  - Draft Strategy to form part of the Long Term Plan 2021-2031
  - Continuation of work on strategy/actions and alignment with other strategies/plans/actions plans
  - Long Term Plan would include reviews of work programmes and budgets, including opportunities to prioritise actions.

Point Raised by Members:

- WBOPDC's Community Matching Fund of $140,000 provided specifically for an Environmental Fund of $40,000 for projects benefiting the natural environment.

10:40 am The meeting **adjourned**.

11:00 am The meeting **reconvened**.

8.2 Proposed Coastal Pathway

Tauranga City Council Strategic Planner Cheryl Steiner, supported by City Project Analyst Clinton Bowyer, provided a verbal update on progress made with the recent consultation process and proposed Memorial Park to City Centre coastal pathway:

Key Points of the Presentation

- Recently completed a consultation process regarding the community's views on the proposal to develop a coastal pathway connecting Memorial Park and the City Centre via The Strand
- The project had been talked about for a number of years as it was a key connection identified in city centre strategies and the wider walking and cycling network
- Captured a range of views people had to better understand whether the community wanted it to proceed and any issues or opportunities that may need to be considered. Also talked directly to affected landowners to understand their views on the proposal
- Would provide feedback to Council where a decision would be made on whether to do further investigation into the viability of the pathway. If further work was undertaken, this would involve a detailed look at mitigation and design options which would determine the cost, design and location of the pathway
- If the project proceeded to the next stage, the project cost and recommended funding approach would be included in the next Long Term Plan process (2021)
- Highlighted the benefits of the coastal pathway
- Provided coastal pathway examples from Auckland Council and New Plymouth District Council

- Potential environment impacts of the pathway:
  - The design would need to consider the retention as far as possible of the natural character of the foreshore, however it would change the outlook and character from what it currently was
  - The design solution would need to be cognisant of climate change, coastal erosion, environmental values and rising sea levels
- Riparian rights
  - Whether particular work interfered with a private riparian right would depend on the nature and extent of the work, and its location and design
  - This could be worked through with property owners to provide access to the water via boat ramps, stairs or other engineered solutions
- Next steps
  - Outcomes of consultation to be reported to Council in July 2019
  - If project proceeded - detailed design to follow
  - Project to be consulted on in Long Term Plan (March/April 2021)

Points Raised by Members

- Lessons should be learned from the adverse effects the construction of the Southern Pipeline has had on the residents of Matapihi: notwithstanding opposition from the residents, construction continued and had caused continuous harm due to cultural sensitivities. Suggested that a forum of residents be formed to be consulted and that every effort be made to include the entire community
- Staff to be aware that not all places along the coastal pathway should be for public viewing: should be mindful of tikanga requirements relating to dolphin/whale recovery and waka paths
- Critical to take the necessary steps to protect the natural environment by being mindful of natural processes
- Staff should be conscious that the practice of consultation with mana whenua forums was not an ideal model for kaitiaki as mana whenua were not always RMA technicians/experts
- Reiterated the importance of telling the stories of the area and its people from all difference perspectives for the communities to understand history and context. The work programme should be resourced accordingly.

Items for Staff Follow-up

- Since discussion between TCC staff members and tangata whenua relating to the telling of stories had commenced, further discussion between tangata whenua and BOPRC/WBOPDC to be pursued.

11.41 am – Te Pio Kawe **withdrew** from the meeting.

8.3 Swan Control

Following an apology received from Senior Fish & Game Officer Matthew McDougall, the presentation on Swan Control was deferred to the next meeting scheduled for 16 August 2019.

Item for Staff Follow-up

- Inclusion of the Swan Control Presentation on the agenda of 16 August 2019.

8.4 National Policy Statement for Freshwater Management – Te Mana o Te Wai

Item addressed under item 7.1.

8.5 Tauranga Moana Wai Māori Strategy Update

Ngāi Te Rangi Representative Pia Bennett provided a verbal updated as follows:

Key Points

- Provided perspective on Treaty Settlements as well as treaty responsibility/partnerships: The Crown and iwi were partners; however, the Crown had delegated its responsibilities to councils
- In terms of the Treaty Settlements, Māori had sensitivities that needed to be provided for at all levels of planning – this was also applicable to Plan Change 9: Māori needed to be given sensitivity as a treaty partner. Developed a document elaborating on a relief package for submission to the BOPRC Appeals Subcommittee for consideration
- Recently undertook cultural flows in liaison with BOPRC on ten streams of significance, looked at extremely low flows following the recent warm weather. Information had been shared with BOPRC; Dr Gail Tippers' Cultural Flow Preference Methodology had been used.

9 Consideration of General Business

Tauranga Moana Iwi Management Plan 2016 – 2026

- Noted that the matter relating to the Tauranga Moana Iwi Management Plan 2016 – 2026 not replacing the 2008 Te Awanui Tauranga Harbour Iwi Management Plan had been resolved and that the BOPRC web page would be updated accordingly.

10 Next Meeting – 16 August 2019

The next meeting had been scheduled for Friday, 16 August 2019.

11 Closing Karakia

Cr Matemoana McDonald closed the meeting with a karakia.

The meeting concluded at 12:34 pm.

Confirmed _____ _____

Councillor N Bruning, Chairperson Date
Tauranga Moana Advisory Group

Objective ID:

Report To: **Tauranga Moana Advisory Group**

Meeting date: 16 August 2019

Report From: Pim de Monchy, Coastal Catchments Manager

Tauranga Moana Programme Update

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1 Purpose

To provide the Tauranga Moana Advisory Group with an update on programme progress.

It is recommended that the Advisory Group:

1. Receive the report "Tauranga Moana Programme Update".

2 Background

The Tauranga Moana Programme was established in 2013 to deliver on the community's expectations for the health of the Tauranga Harbour. The programme coordinates, prioritises and delivers on all the work related to the harbour and catchment that is undertaken by Tauranga City Council, Western Bay of Plenty District Council and the Regional Council. It allows an adaptive and collaborative management approach.

Originally called Te Awanui Tauranga Harbour Programme, the name was changed to Tauranga Moana in the 2016/17 year. This change better reflects the management area which includes the inland catchment as well as Te Awanui / Tauranga Harbour. It also aligns with the Tauranga Moana Iwi Management Plan 2016 – 2026 and the area of interest defined in that Plan.

This Tauranga Moana Advisory Group oversees the Programme. Staff provide regular programme updates and reports to the Group including:

- Annual work plans
- Annual report
- Regular dashboard reports summarising project progress

3 Programme dashboard for August 2019

The programme dashboard for August 2019 is provided in Appendix 1.

The dashboard shows progress against key projects listed in the 2019/20 Annual Work Plan, progress and upcoming activities. Overall, the programme and projects are on track in terms of scope, budget and schedule at this stage.

Key programme updates include:

- The Western Bay of Plenty District Council Draft Environment Strategy has been developed and will be publicly consulted on through the 2021-2031 Long Term Plan. The Tauranga City Council Environment Strategy is currently on hold pending further engagement.

- Two litter traps have been installed at the stormwater outlet by Waitaha Road, Welcome Bay. In the event of bad weather the traps detach and encase the litter.

- A total of 2,362 Service Requests (complaints) were received through the Pollution Hotline in the Tauranga Harbour catchment during 2018/19. 1,837 related to air, 70 to coastal, 448 water and land and 7 to OSET.

- Calibration of the Uretara Stream model has been challenging for the mid to upper reaches of the stream due to limited amount of event data available. Design scenarios are expected to be run in August/September. In the future a gauging station will be installed to improve modelling.

- He Korowai Mātauranga internal staff framework will assist Toi Moana working together with tangata whenua, and vice versa. The recently appointed Putaiao Mātauranga staff member role will contribute to key actions of the implementation plan which will include a review of the Science Plan and identifying regional mātauranga/science case studies. The draft implementation plan will be socialised in the near future with a progress report being presented to Komiti Māori on 15 August.

- 140 IP3 Audits have been undertaken at Maleme Street and Waimapu Catchment. 50 are still to be undertaken. To date, no major non-compliance has been found. Some businesses have been directed that site upgrade works or change to their business practice is required.

- The wet wipe campaign “Save our Pipes from Wipes” continues. The campaign aims to raise awareness around the issue of wet wipes blocking the wastewater network and causing harm to the environment. Contact has been made with Foodstuffs and manufactures to engage them on the issue.

- Litter clean-up events continue with four events held and a further nine scheduled. The events this year have included an education component for children to learn about the stream and estuary environments, impacts of stormwater pollution and rubbish and the native fauna that inhabit these areas. Over 400 school students from Selwyn Ridge, Greenpark, Tahatai Coast and Otumoetai College have been involved, collecting 670 kg of rubbish and 23 bags of recycling from the stream and estuary environments near their schools.

4 2019/20 Annual Work Plan

The Tauranga Moana Programme 2019/20 Annual Work Plan is provided in Appendix 3.

The Annual Work Plan provides an overall picture of the projects that are undertaken in the harbour and catchment. It describes projects and how they align with the Iwi Management Plans, budgets and deliverables for the programme in a number of work areas:

Work area	**Activity**
Tangata whenua engagement and	Ensure appropriate participation of iwi and hapū in council processes and activities.

involvement	
Governance and programme management	Planning, reporting and communicating on programme and project progress
Integrated planning and modelling	Developing tools and frameworks to improve the way our resources are managed
Infrastructure	Providing infrastructure to improve and protect water quality
Science	Monitoring harbour and catchment health, and improving our knowledge base
Maritime	Keeping people safe on the water
Regulatory compliance	Ensuring discharge standards to land and water are adhered to, and responding to pollution events
Catchment, parks and recreation	Maintaining our land, water and biodiversity as well as supporting the community to protect their special places

Priorities for the programme during 2019/20 include:

- Support the scoping of the State of the Moana Programme to measure and monitor cultural health of Tauranga Moana.
- Support the establishment of a Tauranga Moana Kaitiaki o Te Awanui Forum.
- Clear nuisance accumulations of sea lettuce from high public use areas of the harbour and work jointly with partners and schools to clear litter and rubbish from harbour margins and streams.
- Undertake regular compliance monitoring of all active earthwork sites as well as dairy discharges, geothermal discharges and abstractions, industrial and air discharges.
- Creation of a Cultural Monitoring Framework and Cultural and Environmental Monitoring Plan for wastewater management.
- Upgrading of navigational lights within the harbour to ensure safe navigation.
- Undertake a comprehensive one of survey of emerging organic contaminants in estuary sediments and water.
- Implement the Focus Catchment approach to improve water quality in the four priority catchments: Uretara, Te Mania, Kopurererua and Waitao.
- Developing combined walking and cycling routes to provide connectivity and amenities for the community.

Appendix One

Tauranga Moana Programme

Programme Dashboard May 2019

Tauranga Moana Programme Dashboard August 2019

Project Sponsor: Sarah Omundsen	Project Manager: Pim De Monchy

Category	RAG Status	Comment on any RAG where status is not Green.
Overall	Green	
Schedule	Green	
Scope	Green	
Resources	Green	
Budget	Green	

Annual Work Plan Projects 2019/20	
SHARED	**Overall**
Katikati Hills to the Ocean – H2O Improvement Project	Green
Watercraft and General Harbour Survey and Demand Analysis	Green
Tahataharoa Wetland	Green
Predator Free BOP	Green
Sea Lettuce Management	Green
Litter Clean-ups	Green
State of the Moana Programme - Phase One	Green
Water Monitoring Programmes	Green
Regional Wastewater Management Group	Green
IP3 HAIL Audits	Green
BAY OF PLENTY REGIONAL COUNCIL	**Overall**
He Korowai Matauranga	Green
Focus Catchments Project (Uretara, Kaiate, Kopurererua, Waitao)	Green
Marine Biosecurity	Green
Audit of mangrove distribution/Associated issues for tangata whenua	Green
Flood modelling Uretara Stream, Katikati	Amber
Tauranga Harbour Tsunami Inundation Study for WBOP Shorelines	Green
Audit on Port and Harbour Safety Management Systems	Complete
Emerging Organic Contaminants in Estuary Sediments and Water Survey	Green
Seagrass Health Indicator Development	Green
TAURANGA CITY COUNCIL	**Overall**
Integrated Stormwater Project	Green
Memorial Park to City Centre Coastal Pathway	Green
Wastewater Management	Green
Three Waters Education Programme	Green
Stormwater Management	Green
Kopurererua Valley Re-Development	Green
WESTERN BAY OF PLENTY DISTRICT COUNCIL	**Overall**
Katikati Wastewater Treatment Investigations	Green
Kauri Point Reserve Road Slip Repairs	Green
Environment Strategy	Green
Cycleway	Green

Programme Updates

A total of 2,362 Service Requests were received through the Pollution Hotline in the Tauranga Harbour catchment during 2018/19.

140 IP3 Audits have been carried out at the industrial areas of Maleme Street and Waimapu catchment. No major non-compliance to date.

Winter seagrass health field sampling has been undertaken. Samples are currently being analysed for nutrient content.

Sampling has been completed for the Emerging Organic Contaminants in Estuary Sediments and Water Survey Project. A technical data report is expected shortly.

Survey for sea lettuce abundance has been undertaken at Ongare Point, Otumoetai and Grace Road as part of the Natural Environment Regional Monitoring Network.

Audit on Port and Harbour Safety Management Systems has been completed and submitted to Maritime New Zealand.

Calibration of the Uretara flood modelling has been challenging for the mid to upper reaches of the stream due to limited amount of event data.

Mangrove seedling removal contracts have been put in place to undertake removal in priority areas. Estuary care groups will continue to maintain their existing areas and areas of non-priority.

Estuary care groups have submitted their annual plans for 2019/20. Funded activities range from pest animal and plant control, mangrove seedling removal and native restoration planting.

Plummers Point connection - Ōmokoroa to Tauranga cycleway is complete and open to the public.

WBOPDC Environment Strategy has been developed and will be publically consulted on through the 2021-2031 Long Term Plan.

As part of the Katikati Hills to Ocean Project, four new Environmental Programmes have been signed in partnership with the Freshwater Improvement Fund via Uretara Estuary Managers.

Coast Care volunteer participation has increased dramatically this season with one event attracting 70 volunteers who planted 1,500 plants over a two hour period.

As part of the Kopurererua Valley Re-development Project planting has been completed around the Whakapaiwaka overbridge and entrance gardens at Wylie Street.

The Thickening and Dewatering Plant at Te Maunga is operational. As a result the wastewater plant is no longer sending sludge to the oxidation pond.

The Kaimai Mamaku Catchments Forum was unsuccessful in securing funding from Predator Free 2050.

Upcoming Activities

Continue navigational light upgrades within the harbour. To date, 116 have been upgraded (90%).

Construction of the model grid for the Tauranga Harbour tsunami inundation study project. Initial outputs are due September 2019.

Continued construction of the clip-on cycleway over the Wairoa River. This will complete the final link in the Ōmokoroa to Tauranga cycle trail.

Repair works of the roadway in the Kauri Point Historic Reserve is expected to start September/October.

50 IP3 Audits to be undertaken around the Waimapu Catchment.

Wet wipe awareness campaign "Save our Pipes from Wipes" continues.

Discussions with Pirirakau regarding what restoration at Tahataharoa wetland.

Continue the Kopurererua monitoring programme. Results of samples taken are currently being analysed.

Nine stream and estuary clean-up events scheduled with local schools for the remainder of the year. Including one in Te Puke and Ōmokoroa with the support of WBOPDC.

Continued development of a best practice guide for wastewater overflow management. The working groups consists of all Councils in the Bay of Plenty Region and Toi Te Ora.

Investigations highlighted by the 5 yearly monitoring report continue in the CBD, Waikareao and Mount Industrial areas.

Continue to implement the integrated stormwater project with the focus on two locations in Welcome Bay. Continue to undertake 28 depth x velocity scoping studies around the city.

Progress the Bowentown Dunes Management Plan which is a Priority Biodiversity Sties.

Continue development of a pest animal management plan for the Kaimai Mamaku.

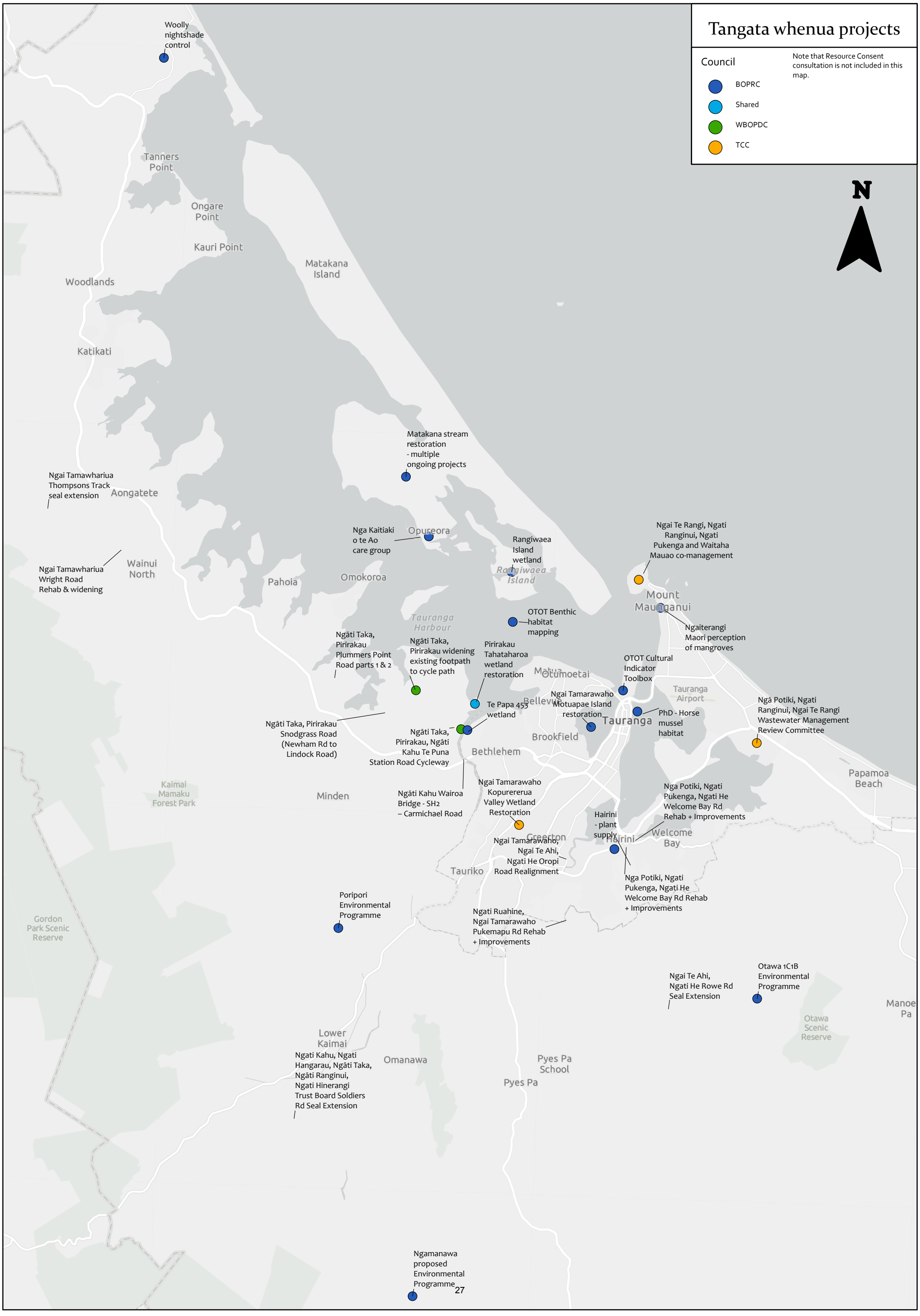
Continue Environmental Programme negotiations with a landowner above the Kaiate Falls.

Coast Care planting and education events.

All of the above projects directly link to the 2008 and 2016-2026 Iwi Management Plan outcomes

Appendix Two

Tangata Whenua and Agency Projects Map


Tangata whenua projects
Council
BOPRC
Shared
WBOPDC
TCC
Note that Resource Consent consultation is not included in this map.
N
Woolly nightshade control
Tanners Point
Ongare Point
Kauri Point
Matakana Island
Woodlands
Katikati
Matakana stream restoration - multiple ongoing projects
Ngai Tamawhariua Thompsons Track seal extension
Aongatete
Nga Kaitiaki o te Ao care group
Opureora
Rangiwaea Island wetland
Rangiwaea Island
Ngai Te Rangi, Ngati Ranginui, Ngati Pukenga and Waitaha Mauao co-management
Ngai Tamawhariua Wright Road Rehab & widening
Wainui North
Pahoia
Omokoroa
Mount Maunganui
Tauranga Harbour
OTOT Benthic habitat mapping
Ngaiterangi Maori perception of mangroves
Ngāti Taka, Pirirakau Plummers Point Road parts 1 & 2
Ngāti Taka, Pirirakau widening existing footpath to cycle path
Pirirakau Tahataharoa wetland restoration
Matua
Otumoetai
OTOT Cultural Indicator Toolbox
Tauranga Airport
Ngai Tamarawaho Motuapae Island restoration
Bellevue
Te Papa 453 wetland
Tauranga
PhD - Horse mussel habitat
Ngā Potiki, Ngati Ranginui, Ngai Te Rangi Wastewater Management Review Committee
Ngāti Taka, Pirirakau Snodgrass Road (Newham Rd to Lindock Road)
Ngāti Taka, Pirirakau, Ngāti Kahu Te Puna Station Road Cycleway
Brookfield
Bethlehem
Papamoa Beach
Kaimai Mamaku Forest Park
Minden
Ngāti Kahu Wairoa Bridge - SH2 – Carmichael Road
Ngai Tamarawaho Kopurererua Valley Wetland Restoration
Nga Potiki, Ngati Pukenga, Ngati He Welcome Bay Rd Rehab + Improvements
Hairini - plant supply
Welcome Bay
Hairini
Greerton
Ngai Tamarawaho, Ngai Te Ahi, Ngati He Oropi Road Realignment
Tauriko
Nga Potiki, Ngati Pukenga, Ngati He Welcome Bay Rd Rehab + Improvements
Poripori Environmental Programme
Gordon Park Scenic Reserve
Ngati Ruahine, Ngai Tamarawaho Pukemapu Rd Rehab + Improvements
Ngai Te Ahi, Ngati He Rowe Rd Seal Extension
Otawa 1C1B Environmental Programme
Manoe Pa
Otawa Scenic Reserve
Lower Kaimai
Ngati Kahu, Ngati Hangarau, Ngāti Taka, Ngāti Ranginui, Ngati Hinerangi Trust Board Soldiers Rd Seal Extension
Omanawa
Pyes Pa School
Pyes Pa
Ngamanawa proposed Environmental Programme

Appendix Three

2019/20 Annual Work Plan

Tauranga Moana Programme

Annual Work Plan 2019/20

BAY OF PLENTY REGIONAL COUNCIL TOI MOANA

Western Bay of Plenty District Council

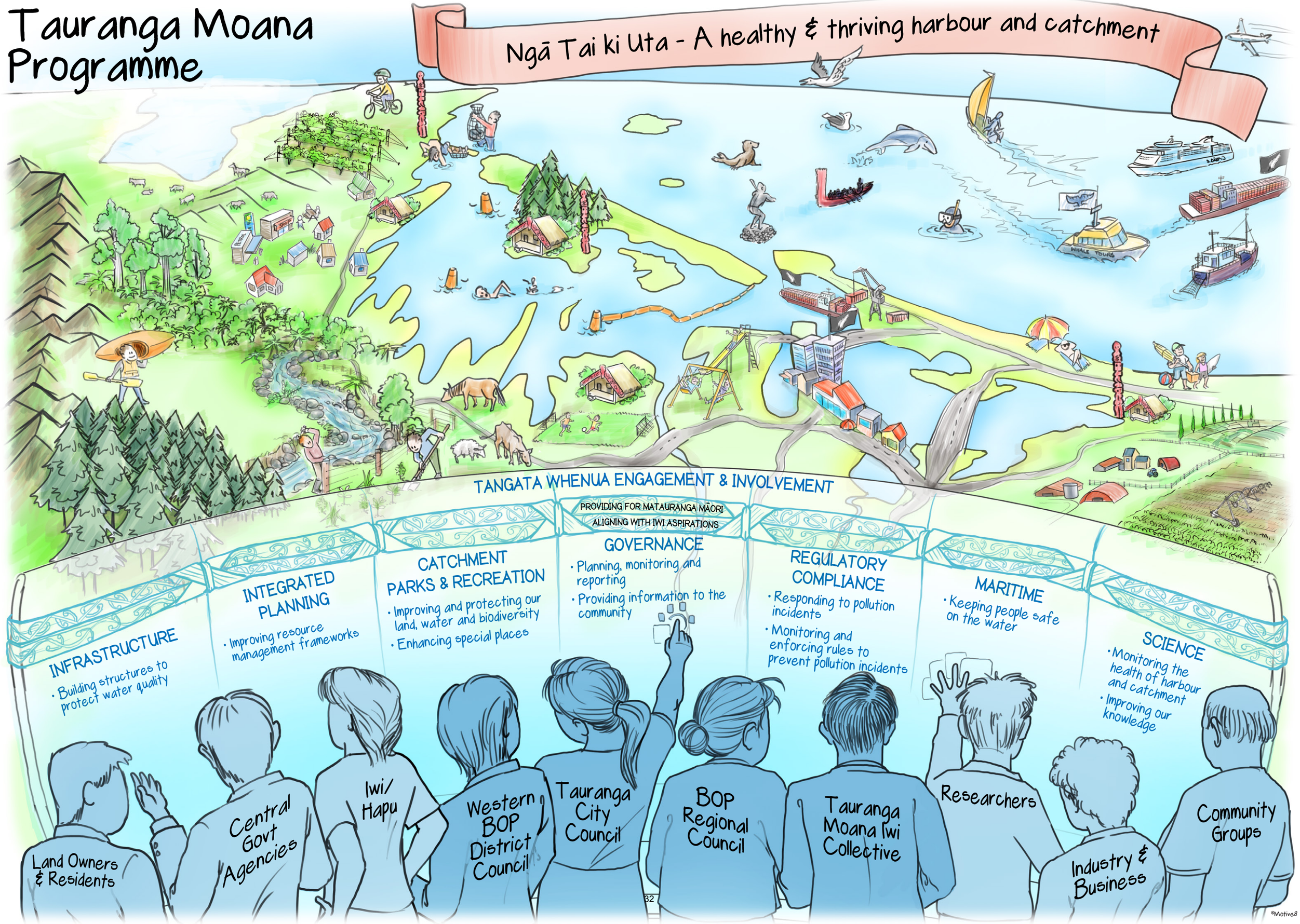
Tauranga City

Ngāi Te Rangi Iwi

Ngāti Ranginui Iwi

Te Tāwharau o Ngāti Pūkenga

Tauranga Moana Programme



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Purpose

The purpose of the Tauranga Moana Programme is to coordinate the work of councils in the Tauranga Harbour and its catchment, and deliver on iwi and community expectations. This work includes policy and planning, science, engineering, regulatory compliance, maritime as well as all operational activities such as biosecurity, biodiversity protection and sustainable land management.

The Programme covers all significant activities (both projects and ongoing work) in the harbour catchment carried out by Tauranga City Council (TCC), Western Bay of Plenty District Council (WBOPDC) and Bay of Plenty Regional Council (BOPRC), providing an overall picture of the things we do in the area.

Background

The vision for Tauranga Moana is: "*A healthy and thriving harbour and catchment that contributes to our wellbeing today and in generations to come*" Outcomes sought for the harbour and its catchment are:

- **Ecological health:** The natural environment is healthy and resilient, supporting thriving native wildlife and kaimoana.
- **Amenity:** The harbour and catchments are able to be used and appreciated.
- **Cultural:** Mana whenua and Mana moana is recognised, kaitiakitanga is enabled and cultural values are protected.
- **Sustainable land management:** Land and water use is managed to maintain and/or improve the health of the harbour and catchment.
- **Recognising economic importance:** The economic value of access and use is retained for the harbour and catchment.
- **Community:** Local communities have easy access to information about the harbour and catchment values and issues, and are actively supported to care for values that are important to them.

This vision and outcomes were developed following community feedback received in a Perceptions Survey conducted in April 2013. They are considered interim, until a formal process is undertaken to identify a vision and outcomes through the development of a co-governance document.

The programme was formally established by Regional Council in 2013 in order to coordinate, prioritise and deliver on all work related to the harbour and its catchment. Western Bay of Plenty District Council and Tauranga City Council have been participating in the programme since 2015. The intent is that the programme will develop to include all partners (iwi and the three councils) to enable a collaborative and adaptive management approach.

The Tauranga Moana Iwi Collective Deed of Settlement, once passed into law, will require a Tauranga Moana Governance Group to be established. To prepare for the Governance Group, an Advisory Group has been established which consists of iwi collective members as well as councillors from Tauranga City Council, Western Bay of Plenty District Council and Bay of Plenty Regional Council.

The first Tauranga Moana Advisory Group meeting was held 17 November 2014. The Advisory Group will continue to meet, share information and provide direction to staff of partner agencies until replaced by the Governance Group.

Tauranga Moana Iwi Management Plans 2008 and 2016-2026

The Tauranga Moana Iwi Management Plan 2008 and 2016–2026 are key documents that influence the Tauranga Moana Programme. The two plans are the collective voice of Ngāti Ranginui, Ngāi Te Rangi and Ngāti Pūkenga as it relates to Tauranga Moana: Te Awanui (Tauranga Harbour), surrounding lands and waters including the ocean.

The plans articulate the collective vision and aspirations of the three iwi in relation to Tauranga Moana (comprising Te Awanui; coastal marine areas; adjacent land and inland waters - rivers, streams, wetlands, groundwater and geothermal taonga). It includes priority issues, outcomes and actions for the 10 years 2016-2026. It also outlines protocols e.g. principles of engagement; engagement protocols for consent and plan change processes; role of mātauranga in projects/programmes.

The 2016-2028 plan was developed by the three iwi to encourage greater collaboration now, in advance of treaty settlements. It seeks to highlight collective responsibility in the health and wellbeing of Tauranga Moana, and provide a more proactive (rather than reactive) approach to support Tauranga Moana Iwi and hapū at all levels within environmental management.

It takes a “Sea to the Mountains” approach of looking at the environment as a whole. It is structured around five core elements, when in balance; represent the health of Tauranga Moana:

- Tūhauora Tinana Healthy Waters
- Tūhauora Whenua Healthy Land
- Tūhauora Wairua Cultural Heritage
- Tūhauora Whānau Our People
- Tūhauora Hinengaro Knowledge

Vision and outcomes and what we do

OUR VISION ***A healthy and thriving harbour that contributes to our wellbeing today and in generations to come***

Outcomes sought…					
Ecological health	**Amenity**	**Cultural**	**Sustainable land management**	**Recognising economic importance**	**Community**
The natural environment is healthy and resilient, supporting thriving native wildlife and kaimoana.	The harbour and catchments are able to be used and appreciated.	Mana whenua and Mana moana is recognised, kaitiakitanga is enabled and cultural values are protected.	Land and water use is managed to maintain and/or improve the health of the harbour and catchment.	The economic value of access and use is retained for the harbour and catchment.	Local communities have easy access to information about the harbour and catchment values and issues, and are actively supported to care for values that are important to them.

The work that we do…	
Infrastructure Provide infrastructure to improve and protect water quality. Protect water supply catchments.	**Science** Monitor the environmental and ecological health of the catchment and harbour. Invest in building our knowledge base so we understand the state of the environment and what needs to happen to improve it.
Integrated planning and modelling Provide tools and frameworks to improve the way resources are managed and deliver on the community's expectations in the long-term. Build strong partnerships to deliver a coordinated programme of work for the harbour and catchment.	**Maritime** Keep people safe, and make sure harbour users are operating to avoid conflict with each other and the environment.
Tangata whenua engagement and involvement Align Tauranga Moana Programme with the vision and aspirations of Tauranga Moana Iwi. Ensure appropriate participation of iwi and hapū in council processes and activities. Provide for Matauranga Māori in programme work to protect and enhance cultural values.	**Catchment, parks and recreation** Improve amenity values and opportunities around the catchment, harbour margins and streams, providing better living spaces. Invest in environmental works to improve and protect land, water, and biodiversity in the harbour and catchment. Support the community to restore and enhance their special places. Protect against threats to the health of the harbour and catchment, including from marine pests.
Governance and programme management Plan, monitor and report on programme work. Make information about the harbour and catchments available when people go looking, when we have something new to say, or if we are doing something that will affect them. Improve the community's understanding about high profile harbour issues.	**Regulatory compliance** Monitor and enforce plan rules and consent conditions to ensure discharge standards to land and water and air are adhered to. Ensure any adverse effects from discharges to land, water and air are remediated and prevented from occurring again. Respond to complaints and reports of pollution.

Priorities for 2019/20

Infrastructure	➤ Continue to develop combined walking and cycling routes to provide connectivity and amenities for the community. ➤ Reduce cultural and environmental impacts and risks from wastewater and stormwater. ➤ Review catchment management plans for Mount Industrial, Sulphur Point, Wairoa and Maranui/Mangatawa catchments. ➤ Construction of the Te Maunga effluent pipeline. ➤ Complete coastal marine structure renewals. ➤ Re-consenting of the Katikati wastewater pipeline and outfall. ➤ Undertake Kauri Point Reserve road slip repairs to reinstate the roadway.
Integrated planning and modelling	➤ Plan and develop strategic direction for long-term management of Council's drinking water supply catchments and land. ➤ Begin work on co-governance document for Tauranga Moana – subject to resolution of the Tauranga Moana Framework. ➤ Flood hazard mapping and design levels for the Uretara Stream. ➤ Creation of a Cultural Monitoring Framework and Cultural and Environmental Monitoring Plan for wastewater management. ➤ Prepare a region specific best practice guide to encompass wastewater overflow mitigation strategies, response and reporting procedures. ➤ Undertake Tauranga Harbour Tsunami Inundation Study for Western Bay of Plenty (WBOP) Shorelines. ➤ Development of the Western Bay Environment Strategy.
Governance, tangata whenua engagement and involvement and programme management	➤ Support the scoping of the State of the Moana Programme to measure and monitor cultural health of Tauranga Moana. ➤ Support the Tauranga Moana Advisory Group. ➤ Establish a Tauranga Moana Kaitiaki o Te Awanui Forum. ➤ Work on an implementation approach for He Korowai Matauranga.
Maritime	➤ Provide for safe navigation in the harbour. ➤ Install Bowentown bar camera to enable up-to-date look at bar conditions. ➤ 24/7 response to oil spill and navigation issues. ➤ Summer student programme to educate younger people to promote safe boating in the harbour and region. ➤ Undertake a two day desk top audit on Port and Harbour Safety Management systems. ➤ Upgrade navigational lights within the harbour.

Science	➤ Undertake a comprehensive one off survey of emerging organic contaminants in estuary sediments and water and deliver a technical report. ➤ Develop a seagrass health programme that can be incorporated into regular monitoring programmes. ➤ Undertake Natural Environment Regional Monitoring Network (NERMN) monitoring of all sites in Tauranga Harbour. ➤ Maintain connections with science providers and provide appropriate financials and/or in-kind support for specific Tauranga Harbour projects.
Catchment, parks and recreation	➤ Support the scoping of water monitoring programmes to involve iwi, hapū and whānau in physical and cultural monitoring within areas of interest. ➤ Progress the report on the audit of mangrove distribution and the views of tangata whenua on the distribution. ➤ Clear nuisance accumulations of sea lettuce from high public use areas of the harbour and use the collected sea lettuce sustainably. ➤ Progress Tahataharoa land purchase and restoration. ➤ Progress information gathering for the water craft and harbour access and demand analysis. ➤ Support care groups throughout the catchment, coast and harbour. ➤ Continue focus catchment work in the four priority catchments Uretara, Te Mania, Kopurererua and Waitao to help improve water quality. ➤ Monitor and respond to marine biosecurity risks. ➤ Undertake the technical design phase for the Kopurererua Valley redevelopment.
Regulatory compliance	➤ Undertake dairy farm discharge audits. ➤ Continue audits of high risk and hazardous businesses. ➤ Undertake regular monitoring of all active earthwork sites. ➤ Respond to 95 percent of urgent complaints within 12 hours. ➤ Complete all enforcement action within statutory timeframes.
Education and community	➤ Deliver a successful Happy Harbour Fun Day event. ➤ Continue to implement Waterline education programme. ➤ Work jointly with partners and schools to clear litter and rubbish from harbour margins and streams. ➤ Continue to grow participation for Predator Free Bay of Plenty (BOP) to get rat traps in every fifth back yard across Tauranga City and the urban parts of the Western Bay of Plenty.

Our approach to delivering the Programme

As we work on and in the Programme we'll use the following approaches for success:

Kotahitanga Relationships
Iwi and hapū have a special relationship with Tauranga Moana. We will work with iwi and hapū in planning and delivery of the programme in a mutually constructive way.

Mana whenua, Mana Moana Mountains to the sea
We recognise the interconnected relationships between land, sea and our communities. Catchments feeding the harbour need to be sustainably managed, hence the maunga to moana approach.

Whanaungatanga Community participation
We encourage local communities to participate and lead in doing the right thing.

Whakaaro tahi Communication
We regularly share our understanding of the harbour and its catchment. This is a collaborative programme and requires good communication with all involved.

Pūtaiao Scientific integrity
We rely on scientific research and accurate data to help us make wise decisions. Scientific research complements the decision-making of Council management and kaitiakitanga.

Mātauranga Māori Knowledge
We will work with iwi and hapū to include mātauranga Māori alongside our scientific research and data collection to maintain the mauri of the harbour.

Assumptions

The key assumptions for the Programme are:

- No substantive changes to the Annual Work Plan will be made by partners.
- The Tauranga Moana Iwi Collective Deed of Settlement will be passed into law.
- Responsibility for delivery of work identified in the programme remains the responsibility of the individual agencies.
- Partners and stakeholders are able and willing to engage with the programme.

Annual Work Plan

The following sections provide details on all of the Programme work planned in the Tauranga Harbour and catchments by Tauranga City Council, Western Bay of Plenty District Council, Ngāti Ranginui, Ngāi Te Rangi and Ngāti Pūkenga and Bay of Plenty Regional Council. The Programme is broken into four areas of focus:

1 Governance, tangata whenua engagement and involvement and programme management.

2 Integrated planning and modelling.

3 Science.

4 Operations (includes maritime, infrastructure, catchment, parks and recreation, and regulatory compliance).

Each section shows work underway by individual agencies, but also identifies those collaborative activities where two or more agencies are working together. Information on projects as well as deliverables and budget are provided.

Governance, tangata whenua engagement and involvement and programme management

	Project	Background	Description	KPI/Deliverables	Outcomes	Budget ($000)
SHARED	Tauranga Moana Programme 2019/20 Annual Report and Highlights Summary. BOPRC, TCC, WBOPDC.	The first reporting against the Annual Work Plan took place in 2013/2014.	All stakeholders and interested parties are up to date with the intentions and progress of the Tauranga Moana Programme.	Present the 2019/20 Annual Report and Highlights Summary to relevant Council Committees in September 2020.	The Tauranga Moana Programme is supported from all sectors of the community including tangata whenua. Contribution to the Tauranga Moana Iwi Management Plan (TMIMP): **Tūhauora Whānau – our people** Policies 32, 33. **Tūhauora Hinengaro – knowledge** Policy 37.	Staff time only. Funded from existing budgets.
	State of the Moana Programme – Phase one. BOPRC, Tauranga Moana Iwi.	The Tauranga Moana Iwi Management Plan includes an action to develop a State of the Moana programme to measure and monitor the cultural health of Tauranga Moana. Regional Council and Tauranga Moana Iwi are identified as the lead agencies.	Phase one of this project is to scope up what's required to develop the programme.	Scope project.	Tauranga Moana Programme activities are making positive, tangible changes to the mauri of the environment. Contributes to the following TMIMP policies: **Tūhauora Whānau – Our People** Policies 32-34. **Tūhauora Hinengaro - knowledge** Policy 36.	$20 BOPRC BOPRC and TMIC staff time.

	Project	Background	Description	KPI/Deliverables	Outcomes	Budget ($000)
	Tangata whenua involvement and capacity building. BOPRC, TCC, WBOPDC.	The Rangataiki River co-governance process, procedures and lessons learned is providing some helpful information of what lies ahead for tangata whenua and what is needed. The potential for this structure to have more layers, however, will require further thinking around how this will work for the Tauranga Moana Programme.	Liaise with Tauranga Moana Iwi Collective to gauge their perspective of how the Moana Framework should be considered to ensure hapū involvement.	Ongoing work throughout 2019/20. All three Councils will need to ensure their relationships with tangata whenua are strong and robust so that dual roles in caring for the environment become clearly established.	The health of the environment is enhanced, secured and is maintained though enhanced partnership capacity and relationship. Contributes to the following TMIMP policies: **Tūhauora Whānau – Our People** Policies 32-34. **Tūhauora Hinengaro – Knowledge** Policies 35-38.	Staff time only. Funded from existing budgets.
SHARED	Tauranga Moana Programme Annual Work Plan 2020/21. BOPRC, Tauranga Moana Iwi, TCC, WBOPDC.	The first Annual Work Plan was produced in 2013/14.	Produce the 2020/21 Annual Work Plan.	Present the 2020/21 Annual Work Plan to the relevant Council Committees for approval.	The AWP has direct connect to all policies described in the Tauranga Moana Iwi Management Plan 2016-2026.	Funded from existing budgets.
SHARED	Happy Harbour Fun Day 2020. BOPRC, Tauranga Moana Iwi, TCC, WBOPDC.	A successful Happy Harbour Fun Day was held March 2018 with approximately 3000 people attending.	Deliver a hands-on outdoor experience for the community to learn more about Tauranga Harbour's land, water and wildlife.	Deliver a successful Tauranga Harbour event.	The community get to access information about the harbour and catchment values and issues. Contributes to the following TMIMP policies: **Tūhauora Whānau – Our People** Policies 32-34. **Tūhauora Hinengaro – Knowledge** Policies 35-38.	$50

	Project	Background	Description	KPI/Deliverables	Outcomes	Budget ($000)
IWI	Establish a Tauranga Moana Kaitiaki o Te Awanui Forum.	Te Awanui is closely linked to the identity of Tauranga Moana whānau, hapū and iwi. The iwi and hapū of Tauranga Moana have exercised their kaitiakitanga responsibilities over Te Awanui for generations. Protecting the mauri is an inherent kaitiaki duty. Under the RMA, kaitiakitanga responsibilities are recognised and local authorities have an obligation to have particular regard to these responsibilities. Planning has identified the need for a forum to be established as a key way for whānau, hapū and iwi to have input into the Tauranga Moana Programme.	The main purpose for the forum is to provide an inclusive vehicle for the free and open exchange of information and ideas which will feed into the Tauranga Moana Programme with a view to improving outcomes for Te Awanui, Tauranga Moana whanau, hapū and iwi. The forum will involve the following objectives: • Understanding and supporting the needs of whānau, marae and hapū level kaitiaki. All kaitiaki have a voice. • Learning from the knowledge kaitiaki hold and the contributions they can make. • Asserting rangatiratanga over the way Te Awanui is cared for. • Keep on top of issues that affect the harbour and our relationship with Te Awanui.	Hold bi-monthly hui. Hold quarterly workshops. Development of a five year strategic plan. Develop an annual plan. Monitoring and reviewing the effectiveness and actions in iwi/hapū management plans and the Te Awanui 2008 Plan.	Deliver outcomes that align with Tauranga Moana Iwi and hapū aspirations. Strengthened relationships between kaitiaki and partners. Contribute to delivering on policy objectives of the RPS and other mechanisms in Regional Plans. Appropriate information from sources informs Tauranga Moana Programme Planning.	TBC

	Project	Background	Description	KPI/Deliverables	Outcomes	Budget ($000)
BOPRC	Support to Tauranga Moana Advisory Group (or subsequent co-governance group).	Tauranga Moana Advisory Group has been established as a forerunner to Governance Group that will involve partner organisations.	Preparation and presentation of reports and advice to the Tauranga Moana Advisory Group, in order for the Group to provide informed direction.	Provide reports and advice to Tauranga Moana Advisory Group as necessary.	Tangata whenua leadership, decision making and partnership support is a key enabler of the Tauranga Moana programme achievement. Contributes to the following TMIMP policies: **Tūhauora Whānau – Our People** Policies 32-34. **Tūhauora Hinengaro – Knowledge** Policies 35-38.	Staff time funded from existing budgets.
BOPRC	Build capacity for the use of Matauranga Māori for Tauranga Moana.	Following the Tauranga Moana Iwi Collective (TMIC) Deed of Settlement and establishment of a co-governance entity, it is anticipated that Mātauranga Māori will feature as part of future environmental monitoring. Mātauranga Maori is a knowledge system that should be considered and applied where appropriate. BOPRC staff will use the He Korowai Mātauranga Framework to incorporate Mātauranga Māori into Council business.	Liaise with relevant hapū/iwi and other entities to ensure Mātauranga Maori is documented, incorporated and supported where appropriate.	Ongoing work through 2019/20.	Enhancement, restoration and protection of the environment is achieved that fulfils tangata whenua and the wider community aspirations. Success and the achievement of outcomes are culturally holistic. Contributes to the following TMIMP policies: **Tūhauora Wairua – Cultural Heritage** Policies 29, 31. **Tūhauora Whānau - Our People** Policies 32-34. **Tūhauora Hinengaro – Knowledge** Policies 35-37.	Staff time funded from existing budgets.

	Project	Background	Description	KPI/Deliverables	Outcomes	Budget ($000)
BOPRC	Tauranga Moana Iwi Management Plan. Socialisation. Implementation.	The Tauranga Moana Iwi Management Plan 2016-2026 is a joint Iwi Planning Document prepared by, and on behalf of, Ngāi Te Rangi, Ngāti Ranginui and Ngāti Pūkenga. This plan sets out priority issues, outcomes and actions for the next 10 years. Although, this is an updated version of the Te Awanui Tauranga Harbour Iwi Management Plan 2008, it does not replace it. Tauranga Moana Iwi has requested that both planning documents be used by Councils.	The plan sets out the aspirations of the three iwi in regards to land, water and people moving into a post treaty landscape. The plan focusses on matters based on Mātauranga Māori and through this cultural lens looks to address issues by providing outcomes and actions to resolve these issues.	Ongoing work to support hapū/iwi throughout 2019/20.	Ongoing health of the environment and successful management of the environment is sustained through true partnership. Contributes to the following TMIMP policies: **Tūhauora Whānau - Our People** Policies 32-34. **Tūhauora Hinengaro – Knowledge** Policies 35-37.	One staff member time funded from existing budgets.

	Project	Background	Description	KPI/Deliverables	Outcomes	Budget ($000)
TCC	Wastewater Management Review Committee.	Wastewater Management Review Committee	The Wastewater Management Review Committee was established in 2007 as a Condition of TCC's Wastewater Discharge Consent (62878). The consent provides for the establishment of a 'Wastewater Management Review Committee' which comprises equal numbers of TCC councillors and tangata whenua. This committee has prescribed functions as set out in the consent. The consent also provides for creation of an Environmental Mitigation and Enhancement Fund, the distribution of which is considered by the committee. This fund facilitates measures and initiatives (particularly in the upper harbour) to avoid, remedy or mitigate the effects of the wastewater scheme.	The broad purpose of the WWMRC is: • To make recommendations on operation of the wastewater Scheme in relation to mitigating environmental and cultural effects of the wastewater scheme. • Manage the Environmental Mitigation and Enhancement Fund ($570,000).	Ongoing work throughout 2019/20. A review of The Environmental Mitigation and Enhancement Fund guidelines and management is currently underway which includes the creation of a Cultural Monitoring Framework and Cultural and Environmental Monitoring Plan. Contributes to the following TMIMP policies: **Tūhauora Tinana – Healthy Waters** **Freshwater** Policy 2. **Coastal** Policy 9. **Tūhauora Whānau - Our People** Policies 32-34. **Tūhauora Hinengaro – Knowledge** Policies 35-38.	$570

	Project	Background	Description	KPI/Deliverables	Outcomes	Budget ($000)
WBOPDC	Tauranga Moana Partnership Forum.	The Tauranga Moana Partnership Forum is an important component in the governance and management of the harbour environments, including the catchments that enter the harbour.	Quarterly meetings.	Ensure that the Tauranga Moana Partnership Forum is kept up to date with progress on the implementation of the Tauranga Moana Programme actions and outputs for 2019/20.	Forum membership informed and equipped to make informed decisions on harbour environmental management. Contributes to the following TMIMP policies: **Tūhauora Wairua – Cultural Heritage** Policies 29-31. **Tūhauora Whānau - Our People** Policies 32-34. **Tūhauora Hinengaro – Knowledge** Policies 35-38.	Funded from the Democracy budget.

Integrated planning and modelling

	Project	Background	Description	KPI/Deliverables	Outcomes	Budget ($000)
BOPRC	Tauranga Harbour Tsunami Inundation Study for WBOP Shorelines.	Toi Moana has a Natural Hazards Programme, which includes research, risk assessment and integrated management workstreams. The research workstream is now focussing on updating tsunami inundation maps for the region.	This project will develop hydrodynamic model to calculate tsunami inundation depths on land resulting from a local source earthquake on the Kermedec Trench.	Tsunami inundation depth maps and associated technical report.	Improved community safety and security during Tsunami emergency events. Contributes to the following TMIMP policies: **Tūhauora Whānau - Our People** Policies 32-34. **Tūhauora Hinengaro – Knowledge** Policies 35-38.	$50
BOPRC	Begin work on a co-governance document for Tauranga Moana - subject to resolution of Treaty Settlement processes.	A Treaty Settlement may require the development of a co-governance document for Tauranga Moana.	Development of a co-governance document for Tauranga Moana.	Begin development work on a co-governance document (subject to Treaty Settlement processes).	Priority will be given to implementing the work programme when a post settlement governance partnership is established and agreed. Contributes to the following TMIMP policies: **Tūhauora Wairua – Cultural Heritage** Polices 29-31. **Tūhauora Whānau – Our People** Policies 32-34. **Tūhauora Hinengaro – Knowledge** Policies 35-38.	Staff time funded from existing budgets.

	Project	Background	Description	KPI/Deliverables	Outcomes	Budget ($000)
BOPRC	Region-wide plan changes.	There are a number of region-wide plan changes that will apply in Tauranga Moana. These are in accordance with the Resource Management Act and National Policy Statements. These projects sit within BOPRC's region-wide planning programmes.	Plan changes to the Regional Natural Resources Plan: Plan change 9 - Water quantity and allocation. Plan change 11 – Geothermal provisions. Plan change 13 – Air Plan. Plan change 14 – On-site Effluent Treatment (OSET) Note - Plan change 16 (Tauranga WMA) is covered by the Freshwater Futures project.	Ongoing work throughout 2019/20. Updates to be provided on key planning projects that affect Tauranga Harbour and catchment.	Improved quality and quantity and management of natural resources through informed decisions ensuring sustainable regional development with minimal impact. Contributes to the following TMIMP policies: **Tūhauora Whānau - Our People** Policies 32-34. **Tūhauora Hinengaro – Knowledge** Policies 35-38.	Staff time funded from existing budgets.

	Project	Background	Description	KPI/Deliverables	Outcomes	Budget ($000)
BOPRC	Freshwater Futures – Tauranga Moana Water Management Area.	The National Policy Statement for Freshwater Management (NPSFM) is being implemented progressively within each of the nine Water Management Areas (WMAs) in the Bay of Plenty.	This involves working with tangata whenua, communities and stakeholders to set specific objectives, limits and methods for freshwater quality and quantity to provide for the values of each waterbody, including receiving environments.	The current stage of this process for Tauranga Moana involves building the information base on which a future Plan Change will be based, and relationships with tangata whenua, the community and stakeholders.	The management of fresh water and land in the Tauranga Moana WMA protects and enhances community values for fresh water and receiving environments, including those of tangata whenua. Contributes to the following TMIMP policies: **Tūhauora Tinana – Healthy Waters Freshwater** Policies 1-3, 9,10,21,22. **Tūhauora Whenua – Healthy Land** Policies 23, 25-27. **Tūhauora Whānau - Our People** Policies 32-34. **Tūhauora Hinengaro – Knowledge** Policies 35-38.	Staff time funded from existing budgets.

	Project	Background	Description	KPI/Deliverables	Outcomes	Budget ($000)
BOPRC	Implementation of Regional Coastal Environment Plan in Tauranga Moana.	The Regional Coastal Environment Plan has been reviewed, and a second Generation Plan will be made operative in 2019/20. There are a number of implementation projects and processes that will be specific to Tauranga Moana. This project sits within BOPRC's region-wide planning programme.	Implementation of policies and methods on the Regional Coastal Environment Plan that are specific to Tauranga Moana and the open coast.	Ongoing work throughout 2019/20. Updates to be provided on key planning projects that affect Tauranga Harbour and the open coast.	Improved management of the coastal environment through informed decisions ensuring sustainable regional development with minimal impact. Contributes to the following TMIMP policies: **Tūhauora Tinana – Healthy Waters** **Coastal** Policies 7, 9, 11, 13-16, 19. **Fisheries** Policy 22. **Tūhauora Whānau - Our People** Policies 32, 33. **Tūhauora Hinengaro – Knowledge** Policy 36.	Staff time and projects funded from existing budgets.

	Project	Background	Description	KPI/Deliverables	Outcomes	Budget ($000)
BOPRC	Uretara Stream, Katikati BOPRC.	There is an existing flood model for the Uretara Stream developed by BOPRC.	The purpose of this study is to update the existing Uretara Stream model or create a new model and associated flood hazard maps.	The outcome will be updated flood hazard maps and design levels for the Uretara Stream	Development surrounding the stream guided by, and incorporates, the dynamics of the stream to minimise risk to people, communities and the stream. Contributes to the following TMIMP policies: **Tūhauora Tinana – Healthy Waters** **Freshwater** Policies 1, 2. **Tūhauora Whenua – Healthy Land** **Effects of land use and Development** Policies 23, 25. **Tūhauora Whānau - Our People** Policies 32-34. **Tūhauora Hinengaro – Knowledge** Policies 35-38.	TBC

	Project	Background	Description	KPI/Deliverables	Outcomes	Budget ($000)
TCC	Integrated Stormwater Project.	Strategic approach to addressing stormwater flooding issues across the City. There is the need for wider integration to improve the current situation across Council departments (planning/ engineering/building/ emergency management and civil defence). There is potential that some flood mitigation works may incorporate a water quality treatment element.	Council's risk management approach is: A "safety to persons" focused level of service, Regulation and policy amendment to ensure no increased risk occurs, and over time risk is reduced. Education to enable private individuals to make informed decisions. Residual risk and emergency management to ensure an appropriate service is provided to flood affected landowners following flood events. Reactive response capacity, to aid flood affected landowners following flood events.	Implement 'safety to persons' focussed level of service.	Reduced risk to community safety and minimised disruption during flood events. Contributes to the following TMIMP policies: **Freshwater** Policies 1-3. **Coastal** Policies 7, 10. **Tūhauora Whānau - Our People** Policies 32-34. **Tūhauora Hinengaro – Knowledge** Policies 35-38.	$6,200

	Project	Background	Description	KPI/Deliverables	Outcomes	Budget ($000)
TCC	Drinking Water Supply Catchment Management.	Integrated catchment management within the TCC Drinking Water Supply catchments in line with and to meet obligations of the Health Act.	Plan and develop strategic direction for long-term management of Councils Drinking Water Supply catchments and land. Project, contract and contractor management network with interested and effected parties. Ground and aerial inspections, riparian fencing, planting and ongoing maintenance. Undertake investigations, research projects and technical reviews, identifying, assessing and overseeing delivery of new initiatives within Catchment Management best practices as well as looking into quality deteriorations incidents and events. Sampling and analysis of stream water quality. Administrative functions. Management of land owned by TCC including: • 2500 ha native bush. • 200 ha exotic forest.	Ongoing work throughout 2019/20	Prevent, halt and reverse degradation of the TCC Drinking Water Supply stream water quality and quantity. Contributes to the following TMIMP policies: **Tūhauora Tinana – Healthy Waters Freshwater** Policies 1-3.	$2,500

	Project	Background	Description	KPI/Deliverables	Outcomes	Budget ($000)
WBOPDC	Environment Strategy.	WBOPDC has drafted an Environment Strategy to outline the actions Council will take to contribute to environmental outcomes across: • Natural environments (land and water) • Sustainable living. Addressing the impact of climate change.	The Strategy includes 10 draft key actions, including: • Working with tangata whenua on mapping of cultural heritage sites. • Reviewing Council's stormwater strategy to include water quality outcomes. • Development of green/blue network plans (in partnership with others). • Restoration of Tahataharoa. • Development of an open space network plan, including identifying other opportunities for land purchase. A key principle of the Strategy is to work with others to deliver on the strategy actions and to achieve outcomes.	The draft Environment Strategy is intended to be adopted as part of the LTP 2021-2031.	Improved quality of life of the natural environment and residents. Contributes to the following TMIMP Policies: **Tūhauora Wairua – Cultural Heritage** Policies 29-31. **Tūhauora Whānau – Our People** Policies 32-34. **Tūhauora Hinengaro – Knowledge** Policies 35-38.	Staff time funded from existing budgets.

Science

	Project	Background	Description	KPI/Deliverables	Outcome	Budget ($000)
BOPRC	NERMN monitoring.	BOPRC undertakes regular monitoring of all aspects of the Tauranga Moana environment as part of our Natural Environment Regional Monitoring Network.	Monitoring of Tauranga Moana environment occurs as part of the following NERMN modules: • Air quality. • Surface water hydrology. • Geothermal. • Groundwater. • Surface water quality. • Freshwater ecology. • Marine Ecology. • Biodiversity. • Coastal Dynamics. • River and stream channel. • Soil health.	Complete monitoring of sites in Tauranga Moana within each NERMN module as scheduled. Note that monitoring frequency varies between the different modules.	Decision making is based on a sound understanding of the health of the environment and its natural characteristics. Contributes to the following TMIMP policies: **Tūhauora Wairua – Cultural Heritage** Policies 29-31. **Tūhauora Whānau – Our People** Policies 32-34. **Tūhauora Hinengaro – Knowledge** Policies 35-38.	Staff time funded from existing budgets.

	Project	Background	Description	KPI/Deliverables	Outcome	Budget ($000)
BOPRC	Relationships with research providers.	Council has established partnerships with the University of Waikato Chair in Coastal Science, Intercoast, Manaaki Taha Moana, Bay of Plenty Polytechnic, Te Whare Wananga o Awanuiarangi and other research providers.	We will continue to maintain these strong connections and provide appropriate financial and/or in-kind support for specific projects.	In accordance with the Chair in Coastal Science Memorandum of Agreement, the University of Waikato will: • Report to BOPRC in June 2019 and June 2020 on relevant items or issues associated with the Chair.	A holistic view of the environment that informs an inclusive approach to environmental enhancement that includes tangata whenua values, knowledge and practices. Contributes to the following TMIMP policies: **Tūhauora Wairua – Cultural Heritage** Policies 29-31. **Tūhauora Whānau - Our People** Policies 32-34. **Tūhauora Hinengaro – Knowledge** Policies 35-38.	$160

	Project	Background	Description	KPI/Deliverables	Outcome	Budget ($000)
BOPRC	University of Waikato PhD student funding.	PhD studies are underway on science related to Tauranga Harbour, and impacts on the functioning of its ecosystems. These research projects form part of BOPRC's partnership with the University of Waikato to gain cost effective science for resource management.	Projects finishing this year include: • Hydrodynamics control on sedimentation within the harbour. • Dissolved inorganic nitrogen fluxes in the Harbour. Four new linked PhD projects that begun late 2018 include: • Dynamics of sediments and nutrients in low land river reaches (MSc). • Environmental drivers of benthic primary production (PhD). • Restoration of sub-tidal biogenic habitat (PhD). • Effects of swan grazing on seagrass meadows (PhD).	Deliver a progress report on all BOPRC funded research projects by December 2019 and December 2020.	Ongoing research continues to address information gaps and build on existing information to update existing practices and to inform innovation via new approaches. Contributes to the following TMIMP policies: **Tūhauora Wairua – Cultural Heritage** Policies 29-31. **Tūhauora Whānau - Our People** Policies 32-34. **Tūhauora Hinengaro – Knowledge** Policies 35-38.	$80

	Project	Background	Description	KPI/Deliverables	Outcome	Budget ($000)
BOPRC	Seagrass health indicator development.	Funding was allocated in the science LTP to trial a seagrass health programme to incorporate into the regular monitoring programme.	Project to develop a seagrass health programme to monitor in BOPRC science programme.	Deliver environmental technical report by June 2020.	Decision making is based on a sound understanding of the health of the environment and its natural characteristics. Contributes to the following TMIMP policies: **Tūhauora Wairua – Cultural Heritage** Policies 29-31. **Tūhauora Whānau – Our People** Policies 32-34. **Tūhauora Hinengaro – Knowledge** Policies 35-38.	$10

	Project	Background	Description	KPI/Deliverables	Outcome	Budget ($000)
BOPRC	One-off survey of Emerging Organic Contaminants (EOCs) in estuary sediments and water.	Funding was allocated in the science LTP to run a one off survey of emerging organic contaminants.	Undertake a comprehensive one off survey of emerging organic compounds and some other bioavailable contaminants of concern in estuary sediment and water.	Deliver environmental technical report by December 2019.	Decision making is based on a sound understanding of the health of the environment and its natural characteristics. Contributes to the following TMIMP policies: **Tūhauora Wairua – Cultural Heritage** Policies 29-31. **Tūhauora Whānau – Our People** Policies 32-34. **Tūhauora Hinengaro – Knowledge** Policies 35-38.	$120

Operations

	Project	Background	Description	KPI/Deliverables	Outcomes	Budget ($000)
SHARED	Katikati Hills to the Ocean – H2O Improvement Project. UEM, WBOPDC, BOPRC.	Partnership with Uretara Estuary Managers (UEM), MfE and WBOPDC. Riparian and wetland restoration work, restoration of whitebait spawning habitat and fish passage, and citizen science environmental monitoring.	Delivery of standard SLUI tools as part of a targeted approach to improve water quality in the Te Mania, Te Rereatukahia, Uretara and Tahawai catchments.	Uptake and implementation of programmes on priority properties within the four catchments. Fund is fully subscribed by the end of the project.	Improved water quality through partnerships of catchments via innovative partnerships. Contributes to the following TMIMP policies: **Tūhauora Whānau - Our People** Policies 32-34. **Tūhauora Hinengaro – Knowledge** Policies 35-38.	$50 BOPRC $50 MfE

	Project	Background	Description	KPI/Deliverables	Outcomes	Budget ($000)
SHARED	Project Parore: Te Mania Focus Catchment. UEM, BOPRC.	The project initiated off the back of the successful bid to the Freshwater Improvement Fund for the Katikati H2O project (see below) and is intended to provide a framework for whole of catchment engagement at a peer to peer level rather than directed by any particular authority or industry body and it is intended that it be replicated in adjacent catchments. The project committee includes local farmers, scientists, orchardists and Regional Council staff and falls under the umbrella of the Uretara Estuary Mangers (UEM).	Project Parore is a community led and Council supported catchment based approach to provide structure around community engagement for Te Mania catchment specifically with the intention of expanding to the other catchments around Katikati. Project Parore aims to develop agreed good management practice for the catchment and deliver farm planning property by property to mitigate farm impacts. It will serve as a vehicle for long term engagement for the H2O project and provide a platform for external funding to support the project over time.	Ongoing work throughout 2019/20.	The health of the catchment is enhanced via localised leadership and initiatives. Contributes to the following TMIMP policies: **Tūhauora Whānau - Our People** Policies 32-34. **Tūhauora Hinengaro – Knowledge** Policies 35-38. **Tūhauora Whenua – Healthy Land** **Effects of land use and Development** Policies 23-26. **Tūhauora Tinana – Healthy Waters** **Freshwater** Policies 1-3. **Wetlands** Policy 4.	Funded from existing budgets.

	Project	Background	Description	KPI/Deliverables	Outcomes	Budget ($000)
SHARED	Water Monitoring Programmes. BOPRC, Tauranga Moana Iwi.	The Tauranga Moana Iwi Management Plan includes an action to find ways to involve iwi, hapū and whānau in physical and cultural monitoring within their area of interest. This could include collaborating with BOPRC in relation to existing water quality monitoring programmes.	Phase one of this project is to scope what's required to develop the action.	Scope project.	Iwi, hapū and whānau are involved in physical and cultural monitoring within their areas of interest. **Tūhauora Tinana – Healthy Waters** **Freshwater** Policy 2. **Tūhauora Whānau – Our People** Policies 32-34.	TBC

	Project	Background	Description	KPI/Deliverables	Outcomes	Budget ($000)
SHARED	Tahataharoa Wetland. Pirirakau Hapū, WBOPDC, BOPRC.	WBOPDC and Pirirakau with support from the BOPRC are purchasing a parcel of land at the end of Lochhead Road, Te Puna. Known as Tahataharoa. The acquisition of this land for reserve purposes has been identified in the Hapū Management Plan.	Complete land acquisition negotiations and agreement on ownership structure, management and funding. Develop an agreed ecological restoration plan. Increase the stock of Tauranga wetlands by approximately 4%.	Complete purchase and transfer of land into public reserve over next two years. Implement agreed ecological restoration plan.	Securing a key ecosystem to provide for the ecological, cultural, recreational needs of the community, tangata whenua and the environment. Contributes to the following TMIMP policies: **Tūhauora Wairua – Cultural Heritage** Policies 29-31. **Tūhauora Whānau - Our People** Policies 32-34. **Tūhauora Hinengaro – Knowledge** Policies 35-38. **Tūhauora Whenua – Healthy Land** **Effects of land use and Development** Policy 23. **Tūhauora Tinana – Healthy Waters** **Wetlands** Policy 4. **Coastal** Policies 7-10.	$400 WBOPDC $50 BOPRC

	Project	Background	Description	KPI/Deliverables	Outcomes	Budget ($000)
SHARED	Tauranga Harbour Margins Project BOPRC, TCC, WBOPDC.	The project incentivises landowners along the harbour margins to undertake works that address biosecurity concerns, improves biodiversity values and encourage sustainable land management practices, regardless of who owns the land. A successful partnership has been formed with WBOPDC, TCC and BOPRC.	The project will identify opportunities to restore Tauranga Harbour estuary margins and esplanade reserves.	An additional three new Management Plans in place.	Sustainable land management practices that improves biosecurity values via partnership and support. Contributes to the following TMIMP policies: **Tūhauora Whenua – Healthy Land** **Effects of land use and Development** Policies 23-26. **Tūhauora Tinana – Healthy Waters** **Wetlands** Policy 4. **Coastal** Policies 7-16.	$100 BOPRC $50 TCC $50 WBOPDC

	Project	Background	Description	KPI/Deliverables	Outcomes	Budget ($000)
SHARED	Coast Care. BOPRC, TCC, WBOPDC.	Councils support six coast care groups in the Tauranga Harbour catchment in their endeavours to improve sand dune functions on the coastal reserve.	Councils offer advice on reducing and repairing dune damage, help facilitate activities, and supply volunteers with free resources. The resources include native dune plants, informative brochures, fertilisers and building materials for constructing temporary fences.	Identified priority areas are actively managed and maintained with support from Coast Care partners and community volunteers.	Ongoing restoration and enhancement of the health and status of coastal sand dune environments is enabled through meaningful partnership throughout the regional community. Contributes to the following TMIMP policies: **Tūhauora Whenua – Healthy Land** **Effects of land use and Development** Policies 23, 25, 26.	$116 BOPRC $43 TCC $30 WBOPDC
SHARED	Predator Free BOP. BOPRC, TCC, WBOPDC.	Predator Free BOP aims to get a rat trap in every fifth back yard across Tauranga City and the urban parts of the Western BOP.	This project is being run by a group from Bay of Plenty Regional Council, Tauranga City Council, Western Bay of Plenty District Council, EnviroHub, Bay Conservation Alliance and NZ Landcare Trust.	Active participation across the whole project area by 2024.	Native wildlife is thriving throughout urban Western Bay of Plenty. Contributes to the following TMIMP policies: **Tūhauora Whānau - Our People** Policies 32, 33, 34. **Tūhauora Hinengaro – Knowledge** Policies 35, 36, 37, 38.	Funded from existing budgets.

	Project	Background	Description	KPI/Deliverables	Outcomes	Budget ($000)
SHARED	Sea lettuce management. BOPRC, TCC WBOPDC.	Clean-ups in the TCC area (including Mount Main Beach) are 50:50 cost shared between TCC and BOPRC. In the Western Bay District, WBOPDC pays for the cost of sea lettuce clean-ups where public amenities such as boat ramps are affected or when sea lettuce blocks stormwater outlets. Otherwise any other clean-ups in Western Bay are organised and paid for by BOPRC.	During spring and summer each year, staff carry out regular checks at known hotspots, regular abundance monitoring as part of the NERMN programme, negotiation (with TCC) of contracts with Revital Fertiliser Ltd (composter) and DMI Contracting Limited (clean-up contractor) and liaison/negotiation with landowners offering disposal sites or uses for sea lettuce. Liaison with the University of Waikato to develop a better understanding of sea lettuce dynamics and investigate options for commercial beneficial re-use of sea lettuce.	Level of response depends on the severity of the 2019/20 bloom. Ensure contracts with clean-up contractor and receiving site operators are finalised by 31 October 2019.	Intervention of natural sea lettuce dynamics is minimised. Beneficial re-use of collected beach cast sea lettuce. Increased understanding of sea lettuce growth and distribution. Contributes to the following TMIMP policies: **Tūhauora Whānau - Our People** Policies 32, 33. **Tūhauora Tinana – Healthy Waters** **Coastal** Policies 7-10.	$50 BOPRC $30 TCC

	Project	Background	Description	KPI/Deliverables	Outcomes	Budget ($000)
SHARED	Litter clean-ups. TCC, BOPRC, WBOPDC.	TCC, BOPRC and WBOPDC support local schools and community groups to undertake litter clean-ups and restoration projects in estuaries, streams, drains and foreshore areas of the harbour.	The plan for 2019/20 is to stage 10 -12 events involving 10-12 schools. Funding for clean-ups within the Tauranga City area is shared between Tauranga City Council, BOPRC and WBOPDC. Sponsorship of the programme is sought to provide additional funding. It covers such things as bus transport of school children to the clean-up site, equipment such as bags and gloves, machinery hire, dumping fees, catering and event publicity.	10-12 events involving 10-12 schools during 2019/20.	Ongoing restoration and enhancement of the health and status of harbour and catchment environments is enabled through meaningful partnership throughout the regional community. Contributes to the following TMIMP policies: **Tūhauora Whānau - Our People** Policies 32-34. **Effects of land use and Development** Policy 23. **Tūhauora Tinana – Healthy Waters** **Freshwater** Policies 1-3. **Wetlands** Policy 4. **Coastal** Policies 7-10.	$5 TCC $5 WBOPRC $10 BOPRC $10 Downer

	Project	Background	Description	KPI/Deliverables	Outcomes	Budget ($000)
SHARED	IP3 Hazardous Activities and Industries List (HAIL) activity audits. TCC, BOPRC, WBOPDC.	The Industrial Pollution Prevention Programme has been operating since 2007. In the Tauranga Harbour Catchment work is normally undertaken in conjunction with WBOPDC and TCC. Each year either a geographical area or a HAIL industry type is selected for auditing.	BOPRC will partner with either WBOPDC or TCC to undertake either a geographical location or industry type focused audits in 2019/20. The scope of the audits to be undertaken has yet to be determined in conjunction with our territorial authority partners.	Ongoing work throughout 2019/20.	Informed decision making reducing instances of land contamination. Contributes to the following TMIMP policies: **Tūhauora Whānau - Our People** Policies 32-34. **Tūhauora Hinengaro – Knowledge** Policies 35-38. **Tūhauora Whenua – Healthy Land** **Effects of land use and Development** Policies 23-26. **Tūhauora Tinana – Healthy Waters** **Freshwater** Policies 1-3. **Wetlands** Policy 4. **Coastal** Policies 7-13, 18-20.	$25 BOPRC TCC fund half the costs through staff and resources.

	Project	Background	Description	KPI/Deliverables	Outcomes	Budget ($000)
SHARED	Regional Wastewater Management Group. BOPRC, TCC, WBOPDC, WDC, ODC, RDC, KDC.	Regional Wastewater Management Group established and facilitated by BOPRC as a means to share information and ensure consistency across the region in regards to wastewater overflow mitigation and response.	Forum consists of regular meetings held with all territorial authorities and Toi Te Ora Public Health. Objective: • To share information, mitigation strategies and response procedures with a view to consistency in methods and reporting across the region. • Prepare a region specific 'best practice guide' to encompass the above.	Preparation of a region specific best practice guide to encompass wastewater overflow mitigation strategies, response and reporting procedures.	Wastewater overflows are mitigated or minimised via the implementation of best practice methods of wastewater management. Contributes to the following TMIMP policies: **Tūhauora Whenua – Healthy Land** **Effects of land use and Development** Policies 23-26. **Tūhauora Tinana – Healthy Waters** **Freshwater** Policies 1-3. **Wetlands** Policy 4. **Coastal** Policies 7-10.	$40

	Project	Background	Description	KPI/Deliverables	Outcomes	Budget ($000)
SHARED	Water craft and general harbour access survey and demand analysis. WBOPDC, TCC, BOPRC	As communities like Ōmokoroa continue to grow, so does the demand for access to the harbour environs, whether it be launching a large boat, a kayak or walking and cycling there is increasing demand for long term sustainable access to the harbour. There have been various harbour management strategies prepared over the years, but there has been no specific strategic review of access to the harbour and the land associated implications of accessing the harbour environs e.g. boat trailer parking.	Demand analysis to help all three councils plan for future water access with the growing population. Covers both boat ramps and informal water access for kayaks etc.	Undertake survey and analysis in 2019/20 financial year.	Harbour access is managed sustainably to reduce the issues associated with increasing demands for recreational activities on the harbour. Contributes to the following TMIMP policies: **Tūhauora Whānau - Our People** Policies 32-34. **Tūhauora Hinengaro – Knowledge** Policies 35-38. **Tūhauora Tinana – Healthy Waters** **Coastal** Policies 7 - 18, 20.	$5 WBOPDC $5 TCC $5 BOPRC

	Project	Background	Description	KPI/Deliverables	Outcomes	Budget ($000)
BOPRC	Biodiversity Programme.	In 2016 Regional Council partnered with the Department of Conservation to prioritise biodiversity sites across the region for protection. The aim was to prioritise sites which would give maximum protection to the full range of indigenous ecosystems naturally found in the Bay of Plenty. A total of 429 sites have been identified and are termed Priority Biodiversity Sites.	An annual site selection process ensures that money and effort goes to the top priority sites each year. In Tauranga Moana higher-ranked sites include dune ecosystems and saltmarsh wetlands around the Harbour. Some forest sites are included at priority level 3. Land Management staff work with landowners and partner agencies to protect and enhance these sites.	At least one new Priority Biodiversity Site is added.	Protection and ongoing restoration and enhancement of ecosystems is enabled through meaningful partnership throughout the regional community. Contributes to the following TMIMP policies: **Tūhauora Whānau - Our People** Policies 32-34. **Tūhauora Hinengaro – Knowledge** Policies 35-38. **Tūhauora Whenua – Healthy Land** **Effects of land use and Development** Policies 23-26. **Tūhauora Tinana – Healthy Waters** **Freshwater** Policies 1-3. **Geothermal** Policies 4, 5. **Wetlands** Policy 4. **Coastal** Policies 7-20.	$248

	Project	Background	Description	KPI/Deliverables	Outcomes	Budget ($000)
BOPRC	Focus Catchments Project.	The BOPRC Land Management team are focussing on the catchments in our region that need the most help and in which we can make a difference.	Future catchment work will be much more focussed on 11 catchments across the Region. In Tauranga Moana these are the Uretara, Te Mania, Kopurererua and Waitao catchments.	Details are included in the individual catchment lines below.	Improved water quality in streams through good land management practice and other interventions.	$670
BOPRC	Uretara Focus Catchment.	The Henry Road Ford bathing site in the Uretara catchment is ranked as one of the highest risk bathing sites in the region because of bacterial contamination.	This Focus Catchment project aims to reduce bacterial contamination of the Uretara Stream through thorough investigation and incentivising good management of land in the catchment.	Develop a comprehensive monitoring plan and a catchment action plan. Continue to investigate potential sources of contamination.	Improved water grade (water quality) for Henry Road Ford swimming site. Contributes to the following TMIMP policies: **Tūhauora Whānau - Our People** Policies 32-34. **Tūhauora Hinengaro – Knowledge** Policies 35-38. **Tūhauora Tinana – Healthy Waters** **Freshwater** Policies 1-3. **Wetlands** Policy 4. **Tūhauora Whenua – Healthy Land** **Effects of land use and Development** Policies 23, 25.	Funded from focus catchment project budget.

	Project	Background	Description	KPI/Deliverables	Outcomes	Budget ($000)
BOPRC	Waitao Focus Catchment.	A permanent health warning was issued by Toi Te Ora for Kaiate Falls and stream in Welcome Bay early in 2015 due to unsafe levels of *Escherichia coli* (E. coli) bacteria at this site. This is most likely due to run-off from surrounding farmland. The warning remains in place.	A task force was established in 2017 to look at the continued problem of bacterial contamination in the Kaiate stream. Ongoing investigations into the cause and nature of the contamination are underway. Negotiations with landowners to exclude stock from waterways and wetlands are also underway. This work will also be extended to the wider Waitao catchment.	Ongoing work throughout 2019/20.	Improved water grade (water quality) for Kaiate Falls. Contributes to the following TMIMP policies: **Tūhauora Whānau - Our People** Policies 32-34. **Tūhauora Hinengaro – Knowledge** Policies 35-38. **Tūhauora Tinana – Healthy Waters** **Freshwater** Policies 1-3. **Wetlands** Policy 4. **Tūhauora Whenua – Healthy Land** **Effects of land use and Development** Policies 23, 25.	Funded from focus catchment project budget.

	Project	Background	Description	KPI/Deliverables	Outcomes	Budget ($000)
BOPRC	Kopurererua Focus Catchment.	The Kopurererua Stream is the third highest contributor of sediment to Te Awanui Tauranga Harbour and has high levels of nitrogen in the water.	A monitoring plan and catchment action plan are being developed for the catchment. We will work with catchment landowners to try to address sediment and nitrogen issues in the catchment and with Tauranga City Council on sediment removal option in the lower catchment.	Develop a comprehensive monitoring plan and a catchment action plan. Continue to investigate potential sources of contamination.	Reduced sediment and nitrogen levels in Kopurererua Stream. Contributes to the following TMIMP policies: **Tūhauora Whānau - Our People** Policies 32-34. **Tūhauora Hinengaro – Knowledge** Policies 35-38. **Tūhauora Tinana – Healthy Waters** **Freshwater** Policies 1-3. **Wetlands** Policy 4. **Tūhauora Whenua – Healthy Land** **Effects of land use and Development** Policies 23, 25.	Funded from focus catchment project budget.

	Project	Background	Description	KPI/Deliverables	Outcomes	Budget ($000)
BOPRC	Marine Biosecurity.	Marine Biosecurity is a regional programme of work aimed at preventing spread through the region. The Programme is particularly relevant to Tauranga Harbour as three marine pests (Mediterranean fanworm, clubbed tunicate and the Asian paddle crab) were detected in the harbour between 2013-2019. These pests have the potential to impact marine biodiversity, kai moana, aquaculture and recreational enjoyment by out-competing native filter-feeders and fouling boats and equipment.	The project implements the Marine Biosecurity Management Plan which has four work stream: stakeholder communication, surveillance, incursion management and the development of a Small Scale Management Plan (SSMP) under the Biosecurity Act.	Continue delivery of an intensive surveillance programme throughout 2019/20. Implementation of response plans where required. Implementation of the SSMP for fanworm and clubbed tunicate. Implementation of an incursion response plan for Asian paddle crab.	Marine biodiversity, kai moana, aquaculture and recreational enjoyment is secured and continues unhindered by invasive species. Contributes to the following TMIMP policies: **Tūhauora Whānau - Our People** Policies 32-34. **Tūhauora Hinengaro – Knowledge** Policies 35-38. **Tūhauora Tinana – Healthy Waters** **Coastal** Policies 7-10. **Fisheries** Policy 21.	$210
BOPRC	Recreation Users Forum.	The Recreation Users Forum was established to provide a platform for recreational users of the harbour to discuss pertinent issues e.g. harbour access, navigational safety, marine pests, sea lettuce and mangrove management.	Separate Northern Harbour and Southern Harbour forums groups were established. A number of meetings were held however the forums have not met for several years. There is some support for the reestablishment of these forums.	Survey forum membership to ascertain desire to re-establish forums. If supported - review membership and objectives and re-establish forums.	Planning for, and the management of, Tauranga Harbour, is informed by the aspirations and values of all regional stakeholders. Contributes to the following TMIMP policies: **Tūhauora Tinana – Healthy Waters** **Coastal** Policies 15-18.	Staff time only.

	Project	Background	Description	KPI/Deliverables	Outcomes	Budget ($000)
BOPRC	Kaimai Mamaku catchments Forum – ongoing support.	The Kaimai Mamaku catchments project is a joint agency initiated project involving BOPRC, DOC and Waikato Regional Council. The project encompasses Tauranga Harbour and Waihou River catchments. A Forum was formed as part of the project to help focus effort and ensure genuine community involvement. It involves iwi and stakeholders from a broad spectrum of industries and interest groups.	The Forum brings together a diverse range of stakeholders that wish to enhance the forests and catchments of the Kaimai Mamaku ranges and the communities that rely on them.	Continued participation in the joint agency project. Continued support of the Forum.	Genuine community involvement focussing efforts on the enhancement of the Kaimai Mamaku ranges. Contributes to the following TMIMP policies: **Tūhauora Wairua – Cultural Heritage** Policies 29- 31. **Tūhauora Whānau - Our People** Policies 32-34. **Tūhauora Hinengaro – Knowledge** Policies 35-38. **Tūhauora Whenua – Healthy Land** All Policies.	$35

	Project	Background	Description	KPI/Deliverables	Outcomes	Budget ($000)
BOPRC	Audit of mangrove distribution and associated issues for tangata whenua.	Much of our knowledge on community views of mangrove distribution comes from the work estuary care groups do and the areas they manage. We have limited understanding of tangata whenua views of current mangrove distribution.	Assess where mangroves are in the Harbour and scope the views of tangata whenua on this distribution.	Report.	Tangata whenua values and practices inform and support the management of mangroves in Tauranga Moana. Contributes to the following TMIMP policies: **Tūhauora Whānau - Our People** Policy 32-34. **Tūhauora Hinengaro – Knowledge** Policy 35-38. **Tūhauora Tinana – Healthy Waters** **Coastal** Policy 7-11.	$40

	Project	Background	Description	KPI/Deliverables	Outcomes	Budget ($000)
BOPRC	Ongoing estuary care group support.	BOPRC supports 11 estuary care groups in their efforts to manage mangroves and complete restoration work around Tauranga Harbour estuaries.	We will continue to support the work being completed by the Estuary Care groups. This includes pest control, restoration planting, weed control, mangrove management, and working bee support and training.	Estuary care groups are supported to achieve their objectives.	Estuary health in Tauranga Harbour improves and secured. Estuary restoration in Tauranga Harbour is maintained. Estuary Care groups are satisfied with the level of service they receive from Council. Contributes to the following TMIMP policies: **Tūhauora Whānau - Our People** Policies 32, 34. **Tūhauora Hinengaro – Knowledge** Policies 35-38. **Tūhauora Tinana – Healthy Waters** **Coastal** Policies 7-11.	$40

	Project	Background	Description	KPI/Deliverables	Outcomes	Budget ($000)
BOPRC	Mangrove Seedling Management.	Mangrove seedlings are encroaching on the open inter-tidal areas of Tauranga Harbour. Council has agreed to assist with keeping these areas clear.	The project involves control of mangrove seedlings in open inter-tidal areas from up to 12 estuaries across Tauranga Harbour. An annual assessment is undertaken, classifying seedling growth and ease of management. Areas for removal are agreed with Estuary Care Groups annually and work is undertaken using a combination of Care Group Volunteers and contractors. Work continues on the development and trial of an innovative, purpose-built hovercraft with front mounted mower blades to be used for seedling control.	Up to 600 ha per annum of mangrove seedling maintenance. Removal of seedlings in areas as agreed with Estuary Care Groups.	Estuary Care Groups are supported to undertake mangrove seedling control. Mangrove seedling growth is managed in agreed areas. Contributes to the following TMIMP policies: **Tūhauora Whānau - Our People** Policies 32-34. **Tūhauora Hinengaro – Knowledge** Policies 35-38. **Tūhauora Tinana – Healthy Waters** **Coastal** Policies 7-11.	$214

	Project	Background	Description	KPI/Deliverables	Outcomes	Budget ($000)
BOPRC	24/7 Oil spill response and Navigation Safety.	Regulatory requirement in accordance with maritime rules. We manage navigation safety to ensure the region's navigable waterways are kept safe. We manage aquatic activities and commercial licences to reduce conflict from competing uses. We also respond to oil spills to protect our coastal environment and habitats.	Provide 24/7 navigation safety and maritime oil spill response, as required by regulations and Council requirements.	**Long Term Plan KPI:** Spills in Tauranga are responded to within 30 minutes and all others are responded to within two hours. 90 percent of navigation aids rated as 'good' quality or higher.	Contributes to the following TMIMP policies: **Tūhauora Whānau - Our People** Policies 32-34. **Tūhauora Hinengaro – Knowledge** Policies 35-38. **Tūhauora Tinana – Healthy Waters** **Coastal** Policies 7-10, 12.	Funded from existing Maritime budgets.
BOPRC	Audit on Port and Harbour Safety Management systems.	Port and Harbour Management systems Work Group carry out audits every four years. We conduct internal audits each of the other years.	Two day desk top internal audit carried out by Maritime.	Audit to be completed between July and September 2019.	Port and harbour is thriving and support of robust safety management systems. Contributes to the following TMIMP policies: **Tūhauora Tinana – Healthy Waters** **Coastal** Policies 7-10, 12.	Funded from existing Maritime budgets.

	Project	Background	Description	KPI/Deliverables	Outcomes	Budget ($000)
BOPRC	Navigational Light Upgrade.	A number of the navigational lights in the Tauranga Harbour are 15+ years old. Technology has come a long way since then, the new versions are more efficient: LED, improved solar panels and batteries, and can be tested during the day via remote control.	Replacement of navigational lights with new technology that will enable audits to be undertaken during the day. Eliminating the need for night audits.	Provide 24/7 Navigation Safety. All existing navigational lights in the Tauranga Harbour upgraded to new SL15 and SL75 model lights.	All users of the harbour are safe when navigating. Contributes to the following TMIMP policies: **Tūhauora Tinana – Healthy Waters** **Coastal** Policies 7-10, 12, 15, 18.	Funded from existing Maritime budgets.
BOPRC	Bowentown Bar Camera Installation.	Previously, the only way to view bar conditions was by physically visiting the bar. This can lead to some bad decisions.	Install a bar camera at Bowentown to enable boaties an up-to-date look at the bar conditions from anywhere.	Provide 24/7 Navigation Safety. Camera operational and available for public to use to assist in remotely assessing the bar conditions.	All users of the bar crossing are safe. Contributes to the following TMIMP policies: **Tūhauora Tinana – Healthy Waters** **Coastal** Policies 7-10, 12.	$25

	Project	Background	Description	KPI/Deliverables	Outcomes	Budget ($000)
BOPRC	Bowentown Wave Buoy.	There is currently a wave buoy off Ōpōtiki and Pukehina, and Port of Tauranga has weather monitoring (including wave size) on A Beacon at the entrance to the Tauranga Harbour. These have proven to be valuable tools for boaties to get up to date weather conditions. Adding a wave buoy to Bowentown increase coverage of valuable wave information to the cover the entire BOP coastline.	Upgrade the existing Safe Water Buoy located seaward of the Bowentown bar to have wave monitoring capability.	Wave size information available for public to use to assist in remotely assessing the bar conditions.	All users of the bar crossing are safe. Contributes to the following TMIMP policies: **Tūhauora Tinana – Healthy Waters** **Coastal** Policies 7-10, 12.	$60
BOPRC	Education Programme.	Educating younger people to promote safe boating in the harbour and region.	A summer student programme will be continued to help promote safe boating throughout the region.	Provide 24/7 Navigation Safety. Ongoing work throughout 2019/20 providing safer boating education.	Tauranga harbour is a safe place for all users. Contributes to the following **TMIMP** policies: **Tūhauora Whānau - Our People** Policies 32-34. **Tūhauora Hinengaro – Knowledge** Policies 35-38.	$101

	Project	Background	Description	KPI/Deliverables	Outcomes	Budget ($000)
BOPRC	Ongoing Regulatory Compliance work: compliance monitoring, complaint response and enforcement.	Regulatory Compliance core work involves monitoring all consents issued across the region including those that are operative in the Tauranga Harbour Catchment, responding to complaints/ incidents via a 24 hour Pollution Hotline. In cases of serious breaches of regional plan rules or the RMA, enforcement action may follow.	Regulatory Compliance staff undertake compliance of operative consents as per the monitoring conditions outlined in the consent conditions.	Compliance and impact monitoring of sites/consents to be in accordance with Council Charges Policy. Report on compliance air discharges on consented industrial sites. **Long Term Plan KPI:** 95% of urgent complaints made to the pollution hotline are responded to within 12 hours. 85% of compliance monitoring inspections that occur as per the frequency specified in the Resource Management Act and the Building Act charges policy.	Healthy environments for the region and its communities. Contributes to the following TMIMP policies: **Tūhauora Tinana – Healthy Waters** **Coastal** Policies 7-10.	Funded from existing Regulatory Compliance budgets.

	Project	Background	Description	KPI/Deliverables	Outcomes	Budget ($000)
BOPRC	Dairy Farm Discharge Audits.	An annual programme of works targeting dairy farm discharges. Undertaken on a rotating basis across the region. The programme investigates the integrity of effluent holding ponds and irrigation of effluent to land. The number of farms in Tauranga Moana to be inspected will be decided as the programme is confirmed early in the 2019/20 financial year.	Regulatory Compliance staff undertakes compliance inspections of operative dairy discharge consents as per the monitoring conditions outlined in the consent conditions, with a focus on holding pond integrity, and irrigation efficiency.	Compliance and impact monitoring of sites/consents to be in accordance with Council Charges Policy. 85% of compliance monitoring inspections that occur as per the frequency specified in the Resource Management Act and the Building Act charges policy.	Healthy environments for the region and its communities. Contributes to the following TMIMP policies: **Tūhauora Tinana – Healthy Waters** **Freshwater** Policy 2 **Tūhauora Whenua – Healthy Land** Policies 25,26	Funded from existing Regulatory Compliance budgets.

	Project	Background	Description	KPI/Deliverables	Outcomes	Budget ($000)
TCC	Stormwater Management.	Three Comprehensive Stormwater Consents (CSCs) are held by TCC to authorise structures and discharges associated with the public stormwater network.	The Papamoa CSC requires stormwater monitoring within the Wairakei Stream and at the point of discharge into the Kaituna River when this is operational. Maranui/Mangatawa CSC requires stormwater monitoring at the point of discharge from the Maranui Wetland, and of sediment downstream of the wetland. The Citywide CSC requires monitoring of stormwater and freshwater/marine water receiving environments at a large number of locations across the City.	• Long-term stormwater and receiving environment monitoring data for stormwater catchments across the city. • Annual or five yearly monitoring reports presented to stakeholders and consenting authority. • Review Catchment Management Plan for Mount Industrial, Sulphur Point, Wairoa and Maranui/Mangatawa catchments. • Programme of works resulting from five yearly review.	Consent conditions for the three CSC are adhered to ensuring optimal stormwater management and contributes to improves water quality overall. Contributes to the following TMIMP policies: **Tūhauora Whenua – Healthy Land** **Effects of land use and Development** Policy 23. **Coastal** Policies 7-10.	$920

	Project	Background	Description	KPI/Deliverables	Outcomes	Budget ($000)
TCC	Wastewater Management.	A number of resource consents are held by TCC to authorise structures and discharges associated with the wastewater network.	Resource Consent 62878 is the comprehensive discharge consent for the combined effluent flows from the City's wastewater treatment plants (Chapel Street and Te Maunga). The above consent requires the establishment of a "Wastewater Management Review Committee" whose purpose is to make recommendations on operation of the Wastewater Scheme in relation mitigating environmental and cultural effects of the wastewater scheme. A range of other consents authorise discharges to water and air and the occupation of space in the CMA. TCC has a Wastewater management Strategy which includes environmental monitoring, network analysis and maintenance, inflow and infiltration reduction, and overflow prevention and response.	• Ongoing work throughout 2019/20. • Complete review of the Environmental Mitigation and Enhancement Fund. • Review of wastewater overflow prevention and response procedures. • Te Maunga final Effluent Pipeline Upgrade construction. • Upgrade Landward section of Outfall Pipeline.	Robust wastewater management system ensuring water quality standards are adhered to and water quality is not compromised. Contributes to the following TMIMP policies: **Tūhauora Whenua – Healthy Land** **Effects of land use and Development** Policy 23. **Coastal** Policies 7-10.	$21,140

	Project	Background	Description	KPI/Deliverables	Outcomes	Budget ($000)
TCC	Three Waters Education Programme.	Education programme 'Waterline' implemented to educate the public on water conservation and wastewater reduction. Reducing the volume of wastewater and local sewer overflows.	The programme is implemented in the following ways: • Domestic visits. • School education programmes in kindergartens, primary and intermediate schools. • Group Talks and Community Events. • Presentations at home shows/expos. • Media (social media, brochures) and signage through the City.	Ongoing work throughout 2019/20. Key focus for 2019/20 is to continue with the campaign to prevent/minimize the amount of wet wipes, fats and oils entering the wastewater network, and target specific problem areas.	Water conservation directly contributes to increased volume, availability and quality of water. Contributes to the following TMIMP policies: **Tūhauora Tinana – Healthy Waters** **Freshwater** Policies 1, 2.	$80

	Project	Background	Description	KPI/Deliverables	Outcomes	Budget ($000)
TCC	Pollution Prevention Programme.	The programme is one of the key means by which TCC manages contaminant inputs into the stormwater network and thus assist in compliance with its Comprehensive Stormwater Catchment Consents.	The programme carries out the following core functions: • Spill response. • Targeted industrial audits. • Review of building and resource consents. • Public education. The programme is underpinned by a Stormwater Bylaw and a Delegation of Enforcement Powers under the RMA.	Completion of industry or area specific audit reports summarising the outcome of audits, issues identified and sites for referral to BOPRC for consent consideration and/or enforcement. Urgent Pollution Incidents must be attended within one hour (Maintenance contractors KPI).	Improved water quality via well managed stormwater management system. Contributes to the following TMIMP policies: **Tūhauora Whenua – Healthy Land** **Effects of land use and Development** Policies 23-26. **Tūhauora Tinana – Healthy Waters** **Freshwater** Policies 1, 2. **Coastal** Policies 7-10.	$220

	Project	Background	Description	KPI/Deliverables	Outcomes	Budget ($000)
TCC	Harbour margin parks ecological restoration.	Ongoing management of significant harbour ecological park areas, such as Waikareao Estuary margins, Matua Salt Marsh, Waimapu Estuary margins and Wairoa esplanade reserves.	Plant and animal pest control and native planting to improve ecological integrity. Beach sand nourishment. Boardwalks.	Compliance and impact monitoring of sites/activity to be in accordance with City Plan and restoration plans for each site.	Ecological integrity of identified parks is maintained and enhanced. **Tūhauora Whānau - Our People** Policies 32-34. **Tūhauora Hinengaro – Knowledge** Policies 35-38. **Tūhauora Whenua – Healthy Land** **Effects of land use and Development** Policy 23. **Wetlands** Policy 4. **Coastal** Policies 7-10.	$257

	Project	Background	Description	KPI/Deliverables	Outcomes	Budget ($000)
TCC	Memorial Park to City Centre Coastal Pathway.	In August 2018, Council resolved to undertake community engagement on a proposed coastal pathway from Memorial Park around the harbour edge to the Strand at Matapihi Bridge. The pathway is a key connection identified in city centre strategies and the walking and cycling network.	The first round of engagement is only regarding the concept of a walkway. Concept design will only progress if Council decides to do so following the first round of engagement.	Community engagement to understand community views on the potential for a pathway connecting Memorial Park and the City Centre, and issues and opportunities. Outcomes will help inform a decision as to whether or not design work will be undertaken on the project to determine a concept and cost. Engagement is being undertaken with iwi/hapū, directly affected landowners, key interest groups and the wider community.	Consultation has been completed and the outcomes/findings of the consultation will be presented to Council on 16 July 2019. Contributes to the following TMIMP policies: **Tūhauora Tinana – Healthy Waters** **Coastal** Policy 15. **Tūhauora Whenua - Healthy Land** **Land use effects** Policy 26.	No budget for project design and delivery at present.
TCC	Kopurererua Valley (V Valley) re-development.	Ten years of ongoing development as per the K Valley Management Plan (2018).	2020 developing the technical design for river realignment to be constructed in 2022.	Ongoing work throughout 2019/20.	Complete river realignment on time and within budget. Contributes to the following TMIMP policy: **Tūhauora Tinana – Healthy Waters** Policy 2.3.	$107

	Project	Background	Description	KPI/Deliverables	Outcomes	Budget ($000)
TCC	Coastal Structure Renewals.	Ongoing programme in accordance with comprehensive consent for renewal of failing sea walls to respond to coastal erosion.	Tauranga City Council completed in May 2019 a $500,000 renewal programme which incorporated the replacement of ageing sea walls at Kulim Park, Forrester Drive, Matua Road and Tye Park.	New structures with a useful life of 50 years plus.	Works successfully completed in accordance with resource consents within budget and timeframes. Contributes to the following TMIMP policies: **Effects of land use and Development** Policy 23. **Tūhauora Tinana – Healthy Waters** **Coastal** Policies 7-10, 14, 15.	$500
WBOPDC	District wide natural environment support.	Ability to sponsor activities with community involvement.	Support for the community/volunteer ecological groups.	Key community groups are encouraged to continue to be viable in the future.	Key community groups are encouraged to continue to be viable in the future. Contributes to the following TMIMP policies: **Tūhauora Whānau - Our People** Policies 32-34. **Tūhauora Hinengaro – Knowledge** Policies 35-38.	$5 $39

	Project	Background	Description	KPI/Deliverables	Outcomes	Budget ($000)
WBOPDC	Katikati wastewater treatment investigations.	Katikati wastewater treatment plant discharges treated wastewater via a pipeline to an ocean outfall off Matakana Island.	Pipeline has existing capacity and life expectancy till 2037.	Re-consenting of the pipeline and outfall.	Re-consenting of the pipeline and outfall. Contributes to the following TMIMP policies: **Tūhauora Tinana – Healthy Waters** **Freshwater** Policies 1, 2.	$100
WBOPDC	Kauri Point Reserve road slip repairs.	In 2017 following several Cyclones a significant slip occurred on the roadway down to the boat ramp and historic jetty.	Reinstatement of roadway and access to harbour environs.	Obtain required consents from District and Regional Council. Reinstate roadway in accordance with consent requirements. Keep community updated on progress.	Obtain required consents from Regional Council. Contributes to the following TMIMP policies: **Effects of land use and Development** Policy 23. **Tūhauora Tinana – Healthy Waters** **Coastal** Policies 7-10, 14, 15.	Funded by adjoining property owners.

	Project	Background	Description	KPI/Deliverables	Outcomes	Budget ($000)
WBOPDC	Ōmokoroa slips.	Past rain fall events have triggered a number of significant slip events around the western Bay.	Ongoing monitoring of significant slips along foreshore.	Monitor slips. Update public on any progress.	Monitor slips. Update public on any progress. Contributes to the following TMIMP policies: **Tūhauora Whenua – Healthy Land** **Effects of land use and Development** Policy 23. **Tūhauora Tinana – Healthy Waters** **Coastal** Policies 7-10, 14, 15.	No specific funding in place.
WBOPDC	Cycleway.	Boardwalks and trail development along the harbour margins across esplanade reserve/paper roads.	Ōmokoroa to Tauranga cycleway around harbour margins requiring consents for work in or near the CMA.	Ongoing work throughout 2019/20.	Ongoing work throughout 2019/20. Contributes to the following TMIMP policies: **Tūhauora Whenua – Healthy Land** **Effects of land use and Development** Policy 23. **Tūhauora Tinana – Healthy Waters** **Coastal** Policies 7-10, 14, 15.	Various budgets and subsidies.

	Project	Background	Description	KPI/Deliverables	Outcomes	Budget ($000)
WBOPDC	Coastal Marine Structures Renewal.	Council undertakes an annual inspection of its coastal and marine assets and develops and implements the recommended renewal/upgrade programme to extend the useful life of the asset.	Renewal of coastal and marine assets e.g. wharves, jetties and boat ramps.	Complete renewal projects as per contract specifications and within budget.	Structures are well maintained, safe and are not causing adverse effects. Contributes to the following TMIMP policies: **Effects of land use and Development** Policy 23. **Tūhauora Tinana – Healthy Waters** **Coastal** Policies 7-10, 14, 15.	$618,120

Financials

Bay of Plenty Regional Council Budget 2019/20 ($000)	
Maritime	$1,100,
Tauranga Catchments	$2,252,841
Regulatory Compliance	$555
Science	$518
Marine Biosecurity	$210
Total annual budget ($000)	**$4,635,841**

Tauranga City Council Budget 2019/20 ($000)	
Recreation and Natural Environmental	$880
Stormwater Pollution Prevention	$1,140
Wastewater Effects Mitigation	$21,230
Integrated Stormwater Project	$6,200
Tauranga Harbour Inundation and Coastal Erosion	100,000
Total annual budget ($000)	**$29,550**

Western Bay of Plenty District Council Budget 2019/20 ($000)	
Tauranga Catchments Contribution (Harbour Margins Projects)	$50
Tahataharoa Land Purchase and Restoration	$400
Coastal Erosion Protection Works	$204
Kauri Point Reserve Road Slip Repairs	$1,279,
Coastal Marine Structures Renewal	$618
Harbour Access Demand Analysis	$5
Total annual budget ($000)	**$2,556,000**

Receives Only – No Decisions

Report To: Regional Direction and Delivery Committee

Meeting Date: 06 August 2019

Report From: Julie Bevan, Policy & Planning Manager

Freshwater Futures Update

Executive Summary

Substantial progress towards implementing the National Policy Statement for Freshwater Management (NPSFM) is occurring.

Key freshwater updates include:

- Government is expected to release the Essential Freshwater proposed policy changes package for public feedback in late August or September 2019.
- The appeals sub-committee met on 2 July and provided staff with direction for preparation of a revised mark-up version of the Regional Water Quantity Plan Change 9. Committee members and staff will meet again on 7 August 2019 to finalise the plan change version to be sent to appellants and s274 parties prior to Court-assisted mediation. Staff are required to update the Environment Court on 23 August 2019.
- The Rotorua Nutrient Management Plan Change 10 Environment Court hearing remains adjourned, pending an interim decision by the Environment Court on first stage matters.
- A calibrated groundwater model for the Kaituna-Pongakawa–Waitahanui WMA has been prepared to discuss with community groups. Model predictions results are preliminary and conservative. Results indicate base-flow trigger levels are just breached for the current land use and climate scenario with current consented calculated maximum allocation volumes. Additional modelling is being considered to determine whether there is any potential to increase the volume of groundwater available for allocation.
- Opportunities for better integration of interrelated resource management issues including water quality and ecological health of freshwater bodies and estuaries; contaminant losses; management of land drainage systems and fish passage; flooding; climate change and sea level rise are being considered.
- Rotorua and Tauranga Water Management Area preliminary work is progressing in accordance with their schedule.
- Te Maru o Kaituna is working towards finalising the text of their Kaituna River action plan at their next committee hui in September 2019. A published version will follow shortly thereafter.

Recommendations

That the Regional Direction and Delivery Committee:

1 Receives the report, Freshwater Futures Update.

1 Purpose

This regular report provides an update on policy work underway to improve management of freshwater resources in the Bay of Plenty region. It also provides an update on freshwater policy matters at a national level. Given the short time period since the last Regional Direction and Delivery Committee meeting (RDD, 25 June 2019), there are few national updates in this particular report.

2 National Updates

As reported in previous Freshwater Futures updates, Essential Freshwater and the Three Waters Review are central government's two major policy programmes on fresh water.

The Essential Freshwater timeline has been extended. Cabinet members are now considering policy proposals, with a view to launching public consultation on a discussion document and draft National Policy Statement and National Environmental Standards for Freshwater in late August or September. Staff will report to Council and prepare submissions at this time. The regional sector intends to provide government with a high level summary of implementation implications for all regions. It is understood that cabinet is now considering the Three Waters regulatory proposals.

Implications of the Essential Freshwater timeline on the Rangitāiki, Kaituna-Pongakawa–Waitahanui WMA Plan Change timeline are discussed in a separate paper.

3 Plans and Plan Changes

Council is actively working on several freshwater plan changes to the operative Regional Natural Resources Plan. Updates are provided below.

3.1 Region-wide Water Quantity - Proposed Plan Change 9

Plan Change 9 is subject to appeals. Staff have previously reported progress on pre-court assisted mediation meetings being held to help minimise court time.

Following completion of all pre-court-assisted mediation discussions, the appeals sub-committee met on 2 July 2019 and gave staff direction to prepare a revised marked-up version of the Plan Change 9 document for sub-committee consideration on 7 August 2019. The direction given will help finalise a plan change version in readiness for emailing to appellants and s274 parties mid-August for their feedback. This will help to inform any Court-assisted mediation.

A memorandum to be filed with the Environment Court by 23 August 2019 will outline which topics are to be mediated.

3.2 Lake Rotorua Nutrient Management - Proposed Plan Change 10

As reported to the previous RDD meeting, the Environment Court Hearing on Proposed Plan Change 10 remains adjourned awaiting an interim decision by the Environment Court on the first stage of the hearing. No date for commencement of the Stage 2 appeals hearing has been set.

3.3 Kaituna-Pongakawa-Waitahanui and Rangitāiki Water Management Areas – Pre-draft Plan Change 12

Note: A separate RDD paper "Plan Change 12 – Next Steps" details next steps for Plan Change 12 as a consequent of looming changes to the NPSFM.

Groundwater Model for Kaituna-Pongakawa-Waitahanui

The Regional Direction and Delivery Committee (27 June 2018 meeting) gave approval to develop groundwater model scenarios for Kaituna-Pongakawa–Waitahanui WMA and to discuss implications with the community groups.

A three dimensional groundwater model[1] using the MODFLOW platform has now been built for the Kaituna-Pongakawa-Waitahanui Water Management Area (WMA). The model is based on the information and data currently known about the groundwater system.

A conceptual model representing the underlying hydrogeology of the groundwater system and factors that affect the groundwater system has been developed. The three dimensional geological model (Earth Beneath Our Feet) has been used and its many geological units amalgamated into a simpler conceptual model that is used in MODFLOW. A cross-section representing the hydrogeological units in the conceptual model is shown in Figure 1.

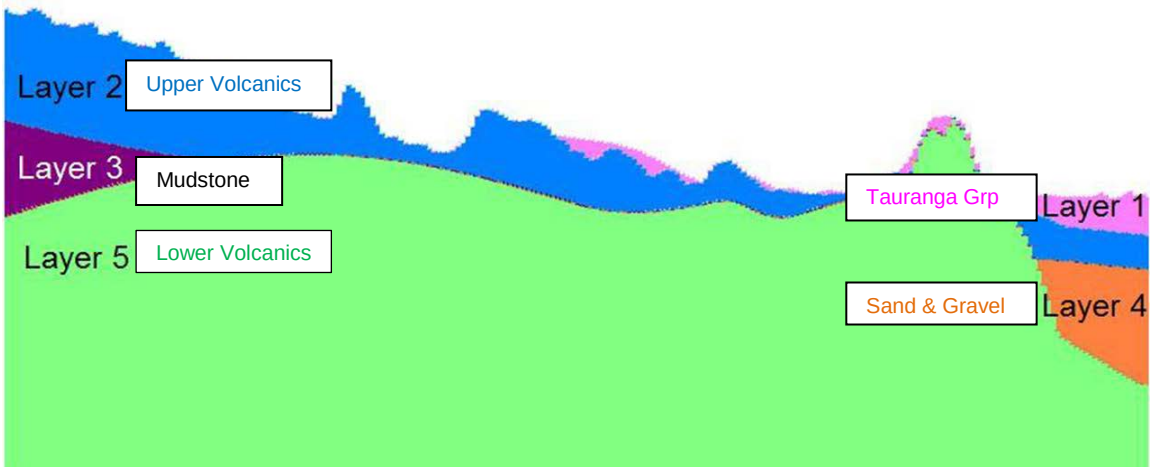

Figure 1 Cross-section (south-north) of the MODFLOW groundwater model showing the model layers

This model has then been used to simulate the existing hydrogeological environment and calibrated to an acceptable accuracy. In the Kaituna-Pongakawa-Waitahanui the model has been calibrated to measured groundwater levels and to estimate base-flow (from groundwater) in the major rivers that drain the catchment.

[1] i.e. computer model representation of the groundwater system.

The calibrated groundwater model is intended to be used to predict results of various groundwater management scenarios. The model can consider changes to the rate of groundwater extraction and impacts on groundwater levels and flows. This helps to inform decisions on sustainable groundwater abstraction limits.

To sustainably manage groundwater resources, the amount of water taken and used from the ground should not exceed the amount needed in the ground to:

- maintain groundwater levels
- prevent the intrusion of saline water at the coast into the groundwater system
- protect the base-flow in rivers and streams.

To do this, modellers build scenarios and then look to see what the model says is happening to each of these factors. As an initial step, model predictions have been determined for the following scenarios:

- no abstraction (base case – i.e. equivalent to the 'natural state')
- consents at their maximum abstraction rate with calibrated model climate and groundwater recharge
- consents at their maximum abstraction rate with rainfall climate change
- consents at their maximum abstraction rate with landuse (infiltration rate) change
- consents at their maximum abstraction rate with rainfall climate and landuse (infiltration rate) change.

The following criteria were then set to determine environmental sustainability:

- Groundwater water level of 0.5 m below sea level in thirteen locations at the coast to manage the potential for saline intrusion.
- Maximum reduction in river and stream base-flow of 1%.

The model predictions are preliminary and very conservative. They suggest a base-flow criterion/limit of 1% reduction is just breached with current land use, climate and consented maximum calculated allocation volumes suggesting, under these conservative assumptions, that there is no potential to increase the amount of groundwater available for allocation. A further 1% to 4% reduction in stream baseflow occurs under different landuse assumptions due to changed groundwater infiltration rates. However, under these scenarios groundwater levels remain above the 0.5 m below sea level threshold in the thirteen locations assessed. Predicted groundwater drawdown effects for these scenarios are some distance from the coast and are not expected to cause saline intrusion.

Additional modelling scenarios are now being considered. These will be discussed with community groups to determine whether there is any potential to increase the volume of groundwater available for allocation.

3.4 Rotorua Lakes – Pre-draft Plan Change 15

A small contract to collate stormwater discharge water quality monitoring data has been completed as draft. An investigation into the need/utility and best options (if any) for freshwater quantity and quality modelling has commenced. This work will be reconsidered in light of upcoming national freshwater policy change.

3.5 Tauranga Moana Water Management Area – Pre-draft Plan Change 16

The baseline stocktake for Tauranga Moana is near-complete. A positive working relationship with Tauranga Moana Iwi has been established. As noted for Rotorua,

stormwater discharge research has been delivered as draft and a consideration of modelling needs and options is underway.

4 Integrating work programmes in the Rangitāiki and Kaituna Plains

At the May RDD meeting, Councillors received a presentation about the Rangitāiki Sustainability Scheme Review (RSS) and rightly noted that both the RSS and the Plan Change 12 projects are considering issues in the Kaituna and Rangitāiki Plains, and an integrated approach is necessary. This section provides an update on this integration work.

Context

- The Plains were characterised by extensive wetlands in pre-European times and are now dominated by pastoral agriculture on heavier soils and horticulture on freer draining soils.
- Lowland agriculture is supported by drainage schemes in the Kaituna and Rangitāiki Tarawera (BOPRC managed), and Waihī (privately managed). These drainage networks are made up of artificial on-farm drains and modified natural waterways.
- Flood Protection is currently provided by the River Schemes in the Kaituna and Rangitāiki. These provide a 1% Annual Exceedance Probability (AEP) level of service.
- The Waihī and Maketū Estuaries are sensitive receiving environments and highly valued by tangata whenua and the wider local community, for a range of values.

Resource Management Issues

There are several interrelated resource management issues in Kaituna and Rangitāiki Plains, which Council has duties and functions to manage. These include:

- Ecological health, ecological connectivity, and natural character in modified waterways (canals) are poor. RDD received a report on lowland drainage water quality, ecology, implications and actions at the December 2018 meeting.
- Water quality and ecosystem health in Waihī and Maketū estuaries are degraded as a result of contaminants and altered hydrology from the catchment (nitrogen, phosphorus, E.coli and sediment). To reach a moderate estuary health in Waihī/Maketū, significant reductions in key contaminants (Nitrogen, Phosphorous and sediment) are required (e.g., c.60% for N and 30% for P).
- Contaminant losses to water from lowland farming are relatively high and direct.
- Peat soils areas are compacting over time as a result of drainage. The land surface level is dropping which means flap gates need to be closed for longer periods, affecting fish passage, and drainage pumping duration needs to increase.
- Widespread conversion of upland commercial forest to pasture may be unlikely in current economic conditions, but would increase peak flood flows by up to 13% in the Rangitāiki. It would also increase contaminant losses to rivers.
- Climate change is increasing flood risk over time as global temperatures rise and rainfall patterns change. The current level of flood protection (Rangitāiki) can only be maintained up to 0.85 degrees global temperature rise using current infrastructure including Matahina Dam.
- Predicted sea level rise over the next 40-60 years may encroach across much of the plains.

These issues will have variable effects over time, and short, medium and long term planning and action is required.

Work programmes

Several large work programmes interface in the lowland plains (Table 1 below). Opportunities for better integration of the programmes are being explored.

Table 1

Project	Purpose	Responsibilities
River Scheme Sustainability Review (RSS)	To set direction for sustainable management of the five major River and Drainage Schemes (Kaituna Catchment Control Scheme, Rangitāiki-Tarawera River Scheme, Whakatāne–Tauranga River Scheme, Waioeka-Otara River Scheme) for the next 100 years. To reduce long-term risk of flood hazards while encouraging environmentally and economically sustainable land-use practices and raising awareness, changing attitudes and behaviour in the communities. To date, the review has focussed on issues and options in Rangitāiki.	• Led by Rivers and Drainage • Driven by the Soil Conservation and Rivers Control Act, Local Government Act, RMA and others. • *Reported to 28 May 2019 RDD*
Kaituna and Rangitāiki land drainage schemes	Provide land pumping and drainage functions to those landowners participating in the scheme to enable agricultural production. This programme includes Ford Road Pump Station resource consent application.	• Led by Rivers and Drainage • Directed by Land Drainage Legislation, Local Government Act and RMA
Kaituna-Pongakawa-Waitahanui and Rangitāiki Water Management Areas – Plan Change 12	Will set objectives to maintain or improve water quality and ecosystem health for freshwater bodies. Will set water quality and quantity limits and methods to achieve them. Working draft objectives and estuary catchment limit have been developed. Management options are being explored.	• Led by Water Policy • Driven by the RMA and National Policy Statement for Freshwater Management • *Reported to multiple RDD meetings. See report in this agenda.*
Focus catchments	The purpose is to focus land management advice, planning, and on farm investment into a small number of high priority catchments, and to work intensively with landowners, with a view to achieving the measurable water quality and ecological health improvements. Catchments include Waitepuia Stream and Kaikokopu canal in Kaituna, and all of Waihī Estuary Catchment. A lowland plains task force has also been established to draw together	• Led by Coastal Catchments • Delivered under RMA functions and duties. Contributes to NPSFM implementation

	literature and potentially run trials and research around good land and drain management practice to improve water quality and ecological health.	
Climate Change Action Plan	Responds in particular to New Zealand Local Government Leaders' Climate Change Declaration 2017, in which Council has committed to: 1. Develop and implement ambitious action plans that reduce greenhouse gas emissions and support resilience within our own councils and for our local communities. 2. Work with our communities to understand, prepare for and respond to the physical impacts of climate change. 3. Work with central government to deliver on national emission reduction targets and support resilience in our communities.	• Led by Environmental Strategy • Driven by NZ Local Government Leaders Climate Change Declaration 2017; Climate Response (Zero Carbon) Amendment Bill; NPSFM, NPSUDC • *Reported to 25 June 2019 RDD, Item 10.2.*

An integrated approach

The Regional Policy Statement directs Council decision makers to take an integrated approach to resource management issues (objective 11, policy IR 3B), including (among other things) taking a precautionary approach, having regard to the effects of climate change and assessing cumulative effects of activities (Policies IR 1B, 2B and 5B).

The RSS, PC12 and Focus Catchments programmes are in options assessment phases and are working towards engagement with communities. Each work programme will result in an adaptive management approach, in which long term objectives are set, short and medium term actions are taken, outcomes are monitored, reviewed, and new actions established as necessary.

Each work programme is subject to different legislated drivers, and to different procedural requirements and constraints. For example the RSS will need to go through formal Asset Management Planning processes, PC12 project will go through RMA plan change processes. It is appropriate that they remain as distinct work programmes, while integrating where possible. There is opportunity to do this better.

Project team leaders now meet together regularly to work on integration, including:

- Working up integrated information and messages for engaging with the public.
- Aligning and integrating engagement with landowners and tangata whenua where appropriate, to share issues, information, objectives, and to explore response options.

Staff will provide integration updates when reporting on their respective work programmes to RDD.

5 Co-Governance Forum Updates

Council continues to work with Te Maru o Kaituna River Authority (TMoK) and the Rangitāiki River Forum (RRF). Both forums receive regular updates on Council's Freshwater policy work programme. Council will continue to seek co-governance advice/feedback as to whether and how our work aligns with the objectives of their river documents.

5.1 Te Maru o Kaituna River Authority

Te Maru o Kaituna River Authority (TMoK) is progressing development of their Kaituna River Action Plan. Engagement with key stakeholders is currently underway to refine the draft action plan. The final text is expected to be approved at their next hui in September 2019 with a published version to follow shortly thereafter.

5.2 Rangitāiki River Forum

Rangitāiki River Forum held a freshwater workshop on 21 May, in which they considered and provided initial feedback on groundwater quantity and surface water quality matters also discussed with the Rangitāiki Freshwater Futures Community Group. Notes and advice will be considered as freshwater management options are developed and assessed.

The Rangitāiki River Forum met on 7 June. In addition to general operations and policy updates, the Forum received a paper outlining the regulatory framework and consents that control the damming of water in the hydo-electric power generation scheme dams.

6 Group Updates

6.1 Territorial Local Authority Freshwater Collaboration Group

The Territorial Local Authority Freshwater Collaboration Group (TLA FCG) met on 29 May. The meeting included updates on the Plan Change 9 appeal resolution process and progress on the development of Plan Change 12. Other matters discussed included:

- Updated Drinking Water Standards and provision of safe drinking water information for property owners with water self-supply.
- Regulating wastewater and engaging with TA's early about consent reapplication processes.
- TLA FCG Terms of Reference (ToR) were reviewed and there was strong support for the group and the ability to share information and work collaboratively. Some suggested amendments (mainly clarifications) to the ToR will be further explored and finalised at the next meeting.
- Three Waters.
- Updates from each TA on their current work programmes.

7 Implications for Māori

Freshwater management is a key interest for Māori. Part D of the NPSFM requires council to involve tangata whenua in the management of freshwater resources. Additionally, Council must recognise and provide for the relationship of Maori and their

culture and traditions with their ancestral lands, water, sites, waahi tapu, and other taonga (section 6(e), Resource Management Act 1991).

Engagement and analysis for Plan Change 12, appeals on Plan Change 9, and feedback from co-governance forums confirm the high value placed on fresh water by tangata whenua, and their substantial concerns about water management. The importance of fresh water to tangata whenua is a key consideration in our ongoing work.

7 Budget Implications

7.1 Current Year Budget

This work is fully funded within the 2018 – 2028 LTP and falls within operational budgets in the 2019 Annual Plan.

7.2 Future Budget Implications

This work is fully funded within the 2018 – 2028 LTP. However, pending freshwater policy changes including amendments to the RMA, NPSFM and a new NES alongside changes required to implement the new National Planning Standards may require budget adjustments if, for example, timeframes for implementing the NPSFM are changed.

8 Community Outcomes

This item/project directly contributes to the A Healthy Environment and Freshwater for Life Community Outcomes in the Council's Long Term Plan 2018-2028.

James Low
Team Leader Policy (Freshwater)

for Policy & Planning Manager

Authorised Date

Receives Only – No Decisions

Report To: Tauranga Moana Advisory Group

Meeting Date: 16 August 2019

Report From: Yvonne Tatton, Governance Manager

2019 Local Government Elections Update

Executive Summary

The Local Government elections are being held on 12 October 2019 which effectively ends the 2016 - 2019 Council triennium and its associated committee structure and Councillor representative appointments on various co-governance forums.

This report provides members with key information regarding the upcoming local government elections and the process required to establish a new council for the 2019-2022 triennium.

Recommendations

That the Tauranga Moana Advisory Group:

1 Receives the report, 2019 Local Government Elections Update.

1 Background

Elections of members to the Bay of Plenty Regional Council Toi Moana are held once every three years with the close of polling day being Saturday 12 October 2019. Elections for local government are conducted by way of postal voting.

2 Toi Moana Bay of Plenty Regional Council Elections

The council is comprised of 14 Councillors across the following constituencies:

Tauranga (five councillors), Rotorua, Western Bay of Plenty and Eastern Bay of Plenty (two each), while voters on the Māori roll elect one councillor from three Māori constituency areas – Kōhi, Mauao and Ōkurei.

3 Establishing a new council

Following the elections the 2016-2019 Council triennium ends and all of Council's committees established under the Local Government Act are disestablished. This does

not affect any co-governance forums which are established under separate legislation. However the term for the Councillor representatives on the Tauranga Moana Advisory Group will end and the new council will appoint new representatives.

After the official election results have been declared in late October, the new Council will be established over the October – December period. This involves swearing the new Council into office, electing the Council's Chairperson and Deputy Chairperson, undertaking the Councillors' induction programme, adopting a new governance committee structure and associated appointments of committee chairpersons and deputies, appointments to the various committees and co-governance membership, and establishing the 2020 committee meeting schedule. Therefore it is anticipated that the next meeting of the Tauranga Moana Advisory Group will be held early 2020.

In developing the 2020 Meeting Schedule, staff anticipate keeping the Tauranga Moana Advisory Group meetings to the current quarterly meeting cycle and day of the week unless otherwise advised by the Tauranga Moana Advisory Group Chair.

Merinda Pansegrouw
Committee Advisor

for Governance Manager

5 August 2019