



Tauranga Moana Programme

Annual Work Plan 2019/20



Tauranga Moana Programme

Ngā Tai ki Uta - A healthy & thriving harbour and catchment



TANGATA WHENUA ENGAGEMENT & INVOLVEMENT

PROVIDING FOR MATAURANGA MĀORI
ALIGNING WITH IWI ASPIRATIONS

GOVERNANCE

- Planning, monitoring and reporting
- Providing information to the community

REGULATORY COMPLIANCE

- Responding to pollution incidents
- Monitoring and enforcing rules to prevent pollution incidents

MARITIME

- Keeping people safe on the water

SCIENCE

- Monitoring the health of harbour and catchment
- Improving our knowledge

INTEGRATED PLANNING

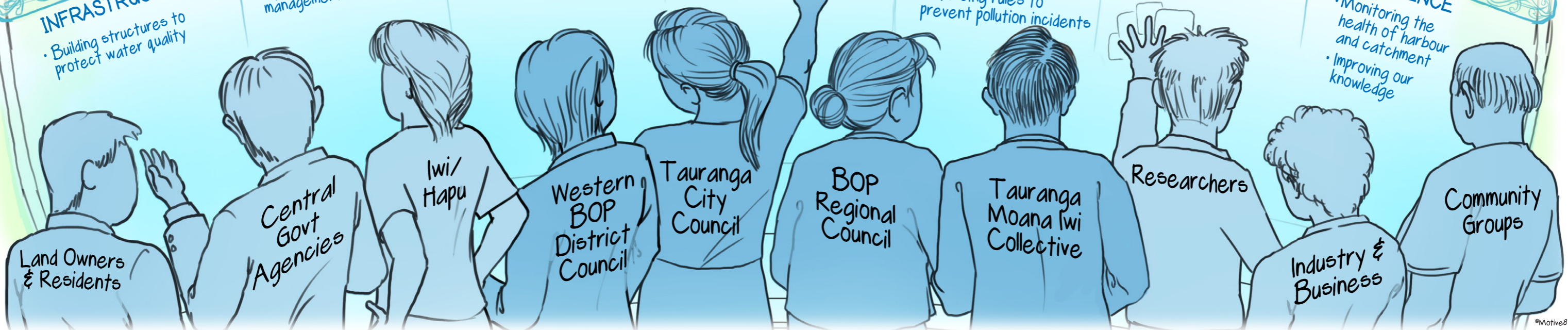
- Improving resource management frameworks

CATCHMENT PARKS & RECREATION

- Improving and protecting our land, water and biodiversity
- Enhancing special places

INFRASTRUCTURE

- Building structures to protect water quality





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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 2016-2026 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.

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.

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 Mātauranga Māori in programme work to protect and enhance cultural values.

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.

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.

Maritime

Keep people safe, and make sure harbour users are operating to avoid conflict with each other and the environment.

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.

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	<ul style="list-style-type: none"> ➤ 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. ➤ Undertake Kauri Point Reserve road slip repairs to reinstate the roadway.
Integrated planning and modelling	<ul style="list-style-type: none"> ➤ 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	<ul style="list-style-type: none"> ➤ 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	<ul style="list-style-type: none"> ➤ 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	<ul style="list-style-type: none"> ➤ Undertake a comprehensive one off survey of emerging organic contaminants in estuary sediments and water and deliver a technical report.



	<ul style="list-style-type: none"> ➤ 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 financial and/or in-kind support for specific Tauranga Harbour projects.
Catchment, parks and recreation	<ul style="list-style-type: none"> ➤ 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	<ul style="list-style-type: none"> ➤ 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	<ul style="list-style-type: none"> ➤ 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.	<p>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.</p> <p>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.</p>	<p>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.</p> <p>The forum will involve the following objectives:</p> <ul style="list-style-type: none"> • 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. 	<p>Hold bi-monthly hui.</p> <p>Hold quarterly workshops.</p> <p>Development of a five year strategic plan.</p> <p>Develop an annual plan.</p> <p>Monitoring and reviewing the effectiveness and actions in iwi/hapū management plans and the Te Awanui 2008 Plan.</p>	<p>Deliver outcomes that align with Tauranga Moana Iwi and hapū aspirations.</p> <p>Strengthened relationships between kaitiaki and partners.</p> <p>Contribute to delivering on policy objectives of the RPS and other mechanisms in Regional Plans.</p> <p>Appropriate information from sources informs Tauranga Moana Programme Planning.</p>	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 Mātauranga 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.	<p>The broad purpose of the WWMRC is:</p> <ul style="list-style-type: none"> 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). 	<p>Ongoing work throughout 2019/20.</p> <p>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.</p> <p>Contributes to the following TMIMP policies:</p> <p>Tūhauora Tinana – Healthy Waters</p> <p>Freshwater Policy 2.</p> <p>Coastal Policy 9.</p> <p>Tūhauora Whānau - Our People Policies 32-34.</p> <p>Tūhauora Hinengaro – Knowledge Policies 35-38.</p>	\$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 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	Outcomes	Budget (\$000)
BOPRC	Region-wide plan changes.	<p>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.</p> <p>These projects sit within BOPRC's region-wide planning programmes.</p>	<p>Plan changes to the Regional Natural Resources Plan:</p> <p>Plan change 9 - Water quantity and allocation.</p> <p>Plan change 11 – Geothermal provisions.</p> <p>Plan change 13 – Air Plan.</p> <p>Plan change 14 – On-site Effluent Treatment (OSET)</p> <p>Note - Plan change 16 (Tauranga WMA) is covered by the Freshwater Futures project.</p>	<p>Ongoing work throughout 2019/20.</p> <p>Updates to be provided on key planning projects that affect Tauranga Harbour and catchment.</p>	<p>Improved quality and quantity and management of natural resources through informed decisions ensuring sustainable regional development with minimal impact.</p> <p>Contributes to the following TMIMP policies:</p> <p>Tūhauora Whānau - Our People Policies 32-34.</p> <p>Tūhauora Hinengaro – Knowledge Policies 35-38.</p>	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.	<p>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.</p> <p>Contributes to the following TMIMP policies:</p> <p>Tūhauora Tinana – Healthy Waters Freshwater Policies 1-3, 9,10,21,22.</p> <p>Tūhauora Whenua – Healthy Land Policies 23, 25-27.</p> <p>Tūhauora Whānau - Our People Policies 32-34.</p> <p>Tūhauora Hinengaro – Knowledge Policies 35-38.</p>	Staff time funded from existing budgets.



	Project	Background	Description	KPI/Deliverables	Outcomes	Budget (\$000)
BOPRC	Implementation of Regional Coastal Environment Plan in Tauranga Moana.	<p>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.</p> <p>This project sits within BOPRC's region-wide planning programme.</p>	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.	<p>Improved management of the coastal environment through informed decisions ensuring sustainable regional development with minimal impact.</p> <p>Contributes to the following TMIMP policies:</p> <p>Tūhauora Tinana – Healthy Waters Coastal Policies 7, 9, 11, 13-16, 19.</p> <p>Fisheries Policy 22.</p> <p>Tūhauora Whānau - Our People Policies 32, 33.</p> <p>Tūhauora Hinengaro – Knowledge Policy 36.</p>	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	<p>Development surrounding the stream guided by, and incorporates, the dynamics of the stream to minimise risk to people, communities and the stream.</p> <p>Contributes to the following TMIMP policies:</p> <p>Tūhauora Tinana – Healthy Waters Freshwater Policies 1, 2.</p> <p>Tūhauora Whenua – Healthy Land Effects of land use and Development Policies 23, 25.</p> <p>Tūhauora Whānau - Our People Policies 32-34.</p> <p>Tūhauora Hinengaro – Knowledge Policies 35-38.</p>	TBC



	Project	Background	Description	KPI/Deliverables	Outcomes	Budget (\$000)
TCC	Integrated Stormwater Project.	<p>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).</p> <p>There is potential that some flood mitigation works may incorporate a water quality treatment element.</p>	<p>Council's risk management approach is:</p> <p>A "safety to persons" focused level of service,</p> <p>Regulation and policy amendment to ensure no increased risk occurs, and over time risk is reduced.</p> <p>Education to enable private individuals to make informed decisions.</p> <p>Residual risk and emergency management to ensure an appropriate service is provided to flood affected landowners following flood events.</p> <p>Reactive response capacity, to aid flood affected landowners following flood events.</p>	Implement 'safety to persons' focussed level of service.	<p>Reduced risk to community safety and minimised disruption during flood events.</p> <p>Contributes to the following TMIMP policies:</p> <p>Freshwater Policies 1-3.</p> <p>Coastal Policies 7, 10.</p> <p>Tūhauora Whānau - Our People Policies 32-34.</p> <p>Tūhauora Hinengaro – Knowledge Policies 35-38.</p>	\$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.	<p>Plan and develop strategic direction for long-term management of Councils Drinking Water Supply catchments and land.</p> <p>Project, contract and contractor management network with interested and effected parties.</p> <p>Ground and aerial inspections, riparian fencing, planting and ongoing maintenance.</p> <p>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.</p> <p>Sampling and analysis of stream water quality.</p> <p>Administrative functions.</p> <p>Management of land owned by TCC including:</p> <ul style="list-style-type: none"> • 2500 ha native bush. • 200 ha exotic forest. 	Ongoing work throughout 2019/20	<p>Prevent, halt and reverse degradation of the TCC Drinking Water Supply stream water quality and quantity.</p> <p>Contributes to the following TMIMP policies:</p> <p>Tūhauora Tinana – Healthy Waters Freshwater</p> <p>Policies 1-3.</p>	\$2,500



	Project	Background	Description	KPI/Deliverables	Outcomes	Budget (\$000)
WBOPDC	Environment Strategy.	<p>WBOPDC has drafted an Environment Strategy to outline the actions Council will take to contribute to environmental outcomes across:</p> <ul style="list-style-type: none"> Natural environments (land and water) Sustainable living. <p>Addressing the impact of climate change.</p>	<p>The Strategy includes 10 draft key actions, including:</p> <ul style="list-style-type: none"> 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. <p>A key principle of the Strategy is to work with others to deliver on the strategy actions and to achieve outcomes.</p>	The draft Environment Strategy is intended to be adopted as part of the LTP 2021-2031.	<p>Improved quality of life of the natural environment and residents.</p> <p>Contributes to the following TMIMP Policies:</p> <p>Tūhauora Wairua – Cultural Heritage Policies 29-31.</p> <p>Tūhauora Whānau – Our People Policies 32-34.</p> <p>Tūhauora Hinengaro – Knowledge Policies 35-38.</p>	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.	<p>Monitoring of Tauranga Moana environment occurs as part of the following NERMN modules:</p> <ul style="list-style-type: none"> • 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.	<p>Decision making is based on a sound understanding of the health of the environment and its natural characteristics.</p> <p>Contributes to the following TMIMP policies:</p> <p>Tūhauora Wairua – Cultural Heritage Policies 29-31.</p> <p>Tūhauora Whānau – Our People Policies 32-34.</p> <p>Tūhauora Hinengaro – Knowledge Policies 35-38.</p>	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.	<p>In accordance with the Chair in Coastal Science Memorandum of Agreement, the University of Waikato will:</p> <ul style="list-style-type: none"> Report to BOPRC in June 2019 and June 2020 on relevant items or issues associated with the Chair. 	<p>A holistic view of the environment that informs an inclusive approach to environmental enhancement that includes tangata whenua values, knowledge and practices.</p> <p>Contributes to the following TMIMP policies:</p> <p>Tūhauora Wairua – Cultural Heritage Policies 29-31.</p> <p>Tūhauora Whānau - Our People Policies 32-34.</p> <p>Tūhauora Hinengaro – Knowledge Policies 35-38.</p>	\$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.	<p>Projects finishing this year include:</p> <ul style="list-style-type: none"> Hydrodynamics control on sedimentation within the harbour. Dissolved inorganic nitrogen fluxes in the Harbour. <p>Four new linked PhD projects that begun late 2018 include:</p> <ul style="list-style-type: none"> 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.	<p>Ongoing research continues to address information gaps and build on existing information to update existing practices and to inform innovation via new approaches.</p> <p>Contributes to the following TMIMP policies:</p> <p>Tūhauora Wairua – Cultural Heritage Policies 29-31.</p> <p>Tūhauora Whānau - Our People Policies 32-34.</p> <p>Tūhauora Hinengaro – Knowledge Policies 35-38.</p>	\$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).	<p>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.</p> <p>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.</p>	Ongoing work throughout 2019/20.	<p>The health of the catchment is enhanced via localised leadership and initiatives. Contributes to the following TMIMP policies:</p> <p>Tūhauora Whānau - Our People Policies 32-34.</p> <p>Tūhauora Hinengaro – Knowledge Policies 35-38.</p> <p>Tūhauora Whenua – Healthy Land Effects of land use and Development Policies 23-26.</p> <p>Tūhauora Tinana – Healthy Waters</p> <p>Freshwater Policies 1-3.</p> <p>Wetlands Policy 4.</p>	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	<p>IP3 Hazardous Activities and Industries List (HAIL) activity audits.</p> <p>TCC, BOPRC, WBOPDC.</p>	<p>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.</p>	<p>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.</p>	<p>Ongoing work throughout 2019/20.</p>	<p>Informed decision making reducing instances of land contamination.</p> <p>Contributes to the following TMIMP policies:</p> <p>Tūhauora Whānau - Our People Policies 32-34.</p> <p>Tūhauora Hinengaro – Knowledge Policies 35-38.</p> <p>Tūhauora Whenua – Healthy Land Effects of land use and Development Policies 23-26.</p> <p>Tūhauora Tinana – Healthy Waters</p> <p>Freshwater Policies 1-3.</p> <p>Wetlands Policy 4.</p> <p>Coastal Policies 7-13, 18-20.</p>	<p>\$25</p> <p>BOPRC</p> <p>TCC fund half the costs through staff and resources.</p>



	Project	Background	Description	KPI/Deliverables	Outcomes	Budget (\$000)
SHARED	<p>Regional Wastewater Management Group.</p> <p>BOPRC, TCC, WBOPDC, WDC, ODC, RDC, KDC.</p>	<p>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.</p>	<p>Forum consists of regular meetings held with all territorial authorities and Toi Te Ora Public Health.</p> <p>Objective:</p> <ul style="list-style-type: none"> 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. 	<p>Preparation of a region specific best practice guide to encompass wastewater overflow mitigation strategies, response and reporting procedures.</p>	<p>Wastewater overflows are mitigated or minimised via the implementation of best practice methods of wastewater management.</p> <p>Contributes to the following TMIMP policies:</p> <p>Tūhauora Whenua – Healthy Land</p> <p>Effects of land use and Development</p> <p>Policies 23-26.</p> <p>Tūhauora Tinana – Healthy Waters</p> <p>Freshwater</p> <p>Policies 1-3.</p> <p>Wetlands</p> <p>Policy 4.</p> <p>Coastal</p> <p>Policies 7-10.</p>	\$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.	<p>Protection and ongoing restoration and enhancement of ecosystems is enabled through meaningful partnership throughout the regional community.</p> <p>Contributes to the following TMIMP policies:</p> <p>Tūhauora Whānau - Our People Policies 32-34.</p> <p>Tūhauora Hinengaro – Knowledge Policies 35-38.</p> <p>Tūhauora Whenua – Healthy Land Effects of land use and Development Policies 23-26.</p> <p>Tūhauora Tinana – Healthy Waters Freshwater Policies 1-3. Geothermal Policies 4, 5. Wetlands Policy 4. Coastal Policies 7-20.</p>	\$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 <i>Escherichia coli</i> (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.	<p>Reduced sediment and nitrogen levels in Kopurererua Stream.</p> <p>Contributes to the following TMIMP policies:</p> <p>Tūhauora Whānau - Our People Policies 32-34.</p> <p>Tūhauora Hinengaro – Knowledge Policies 35-38.</p> <p>Tūhauora Tinana – Healthy Waters Freshwater Policies 1-3.</p> <p>Wetlands Policy 4.</p> <p>Tūhauora Whenua – Healthy Land Effects of land use and Development Policies 23, 25.</p>	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 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.	<p>Tangata whenua values and practices inform and support the management of mangroves in Tauranga Moana.</p> <p>Contributes to the following TMIMP policies:</p> <p>Tūhauora Whānau - Our People Policy 32-34.</p> <p>Tūhauora Hinengaro – Knowledge Policy 35-38.</p> <p>Tūhauora Tinana – Healthy Waters Coastal Policy 7-11.</p>	\$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.	<p>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.</p> <p>Contributes to the following TMIMP policies:</p> <p>Tūhauora Whānau - Our People Policies 32, 34.</p> <p>Tūhauora Hinengaro – Knowledge Policies 35-38.</p> <p>Tūhauora Tinana – Healthy Waters Coastal Policies 7-11.</p>	\$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.	<p>The project involves control of mangrove seedlings in open inter-tidal areas from up to 12 estuaries across Tauranga Harbour.</p> <p>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.</p> <p>Work continues on the development and trial of an innovative, purpose-built hovercraft with front mounted mower blades to be used for seedling control.</p>	<p>Up to 600 ha per annum of mangrove seedling maintenance.</p> <p>Removal of seedlings in areas as agreed with Estuary Care Groups.</p>	<p>Estuary Care Groups are supported to undertake mangrove seedling control. Mangrove seedling growth is managed in agreed areas. Contributes to the following TMIMP policies:</p> <p>Tūhauora Whānau - Our People Policies 32-34.</p> <p>Tūhauora Hinengaro – Knowledge Policies 35-38.</p> <p>Tūhauora Tinana – Healthy Waters Coastal Policies 7-11.</p>	\$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.	<p>Compliance and impact monitoring of sites/consents to be in accordance with Council Charges Policy.</p> <p>Report on compliance air discharges on consented industrial sites.</p> <p>Long Term Plan KPI: 95% of urgent complaints made to the pollution hotline are responded to within 12 hours.</p> <p>85% of compliance monitoring inspections that occur as per the frequency specified in the Resource Management Act and the Building Act charges policy.</p>	<p>Healthy environments for the region and its communities.</p> <p>Contributes to the following TMIMP policies: Tūhauora Tinana – Healthy Waters Coastal Policies 7-10.</p>	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.	<p>The Papamoa CSC requires stormwater monitoring within the Wairakei Stream and at the point of discharge into the Kaituna River when this is operational.</p> <p>Maranui/Mangatawa CSC requires stormwater monitoring at the point of discharge from the Maranui Wetland, and of sediment downstream of the wetland.</p> <p>The Citywide CSC requires monitoring of stormwater and freshwater/marine water receiving environments at a large number of locations across the City.</p>	<ul style="list-style-type: none"> • 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. 	<p>Consent conditions for the three CSC are adhered to ensuring optimal stormwater management and contributes to improves water quality overall.</p> <p>Contributes to the following TMIMP policies: Tūhauora Whenua – Healthy Land Effects of land use and Development Policy 23. Coastal Policies 7-10.</p>	\$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.	<p>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).</p> <p>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.</p> <p>A range of other consents authorise discharges to water and air and the occupation of space in the CMA.</p> <p>TCC has a Wastewater management Strategy which includes environmental monitoring, network analysis and maintenance, inflow and infiltration reduction, and overflow prevention and response.</p>	<ul style="list-style-type: none"> • 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. 	<p>Robust wastewater management system ensuring water quality standards are adhered to and water quality is not compromised.</p> <p>Contributes to the following TMIMP policies:</p> <p>Tūhauora Whenua – Healthy Land</p> <p>Effects of land use and Development</p> <p>Policy 23.</p> <p>Coastal</p> <p>Policies 7-10.</p>	\$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.	<p>The programme is implemented in the following ways:</p> <ul style="list-style-type: none"> • 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. 	<p>Ongoing work throughout 2019/20.</p> <p>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.</p>	<p>Water conservation directly contributes to increased volume, availability and quality of water.</p> <p>Contributes to the following TMIMP policies:</p> <p>Tūhauora Tinana – Healthy Waters</p> <p>Freshwater</p> <p>Policies 1, 2.</p>	\$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.	<p>The programme carries out the following core functions:</p> <ul style="list-style-type: none"> • Spill response. • Targeted industrial audits. • Review of building and resource consents. • Public education. <p>The programme is underpinned by a Stormwater Bylaw and a Delegation of Enforcement Powers under the RMA.</p>	<p>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.</p> <p>Urgent Pollution Incidents must be attended within one hour (Maintenance contractors KPI).</p>	<p>Improved water quality via well managed stormwater management system.</p> <p>Contributes to the following TMIMP policies:</p> <p>Tūhauora Whenua – Healthy Land</p> <p>Effects of land use and Development</p> <p>Policies 23-26.</p> <p>Tūhauora Tinana – Healthy Waters</p> <p>Freshwater</p> <p>Policies 1, 2.</p> <p>Coastal</p> <p>Policies 7-10.</p>	\$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. Resource consent was granted in August 2018 with the condition that alternative options be explored for the long-term discharge of the treated wastewater from the wastewater treatment plant.	Look into alternative options of discharge of treated wastewater.	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,
Regulatory Compliance	\$555
Science	\$518
Marine Biosecurity	\$210
Total annual budget (\$000) \$ 4,635,	

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
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,	