



Tauranga Moana Programme

Annual Work Plan 2018/2019



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

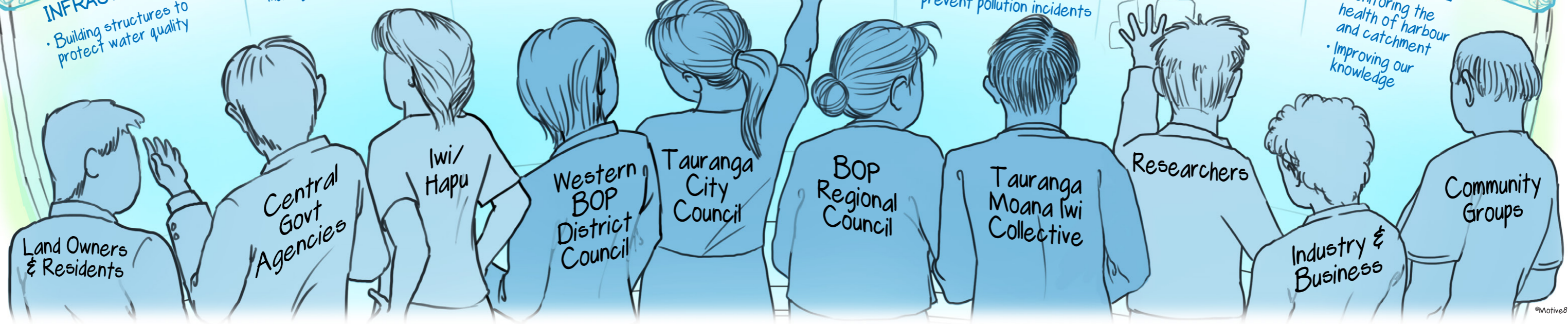
- Improving resource management frameworks

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 community expectations. This work includes policy and planning, science, engineering, pollution prevention, maritime services 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 Plan

The Tauranga Moana Iwi Management Plan 2016–2026 is a key document that influences the Tauranga Moana Programme. The plan is 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 plan articulates 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 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

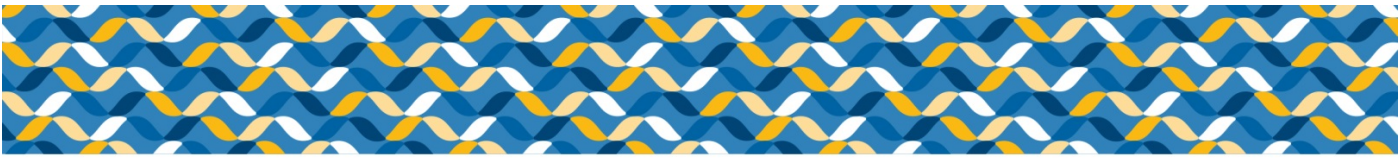
OUR VISION *A healthy and thriving harbour that contributes to our wellbeing today and in generations to come*

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 Mātauranga 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 2018/2019

Infrastructure	<ul style="list-style-type: none"> ➤ Developing combined walking and cycling routes to provide connectivity and amenities for the community. ➤ Continued construction of the Ongare Wastewater Reticulation Scheme. ➤ Re-consenting of the Katikati wastewater pipeline and outfall. ➤ 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. ➤ Complete review of the Environmental Mitigation and Enhancement Fund.
Integrated planning and modelling	<ul style="list-style-type: none"> ➤ Robust coastal inundation and erosion design levels within Tauranga Harbour. ➤ Identify and address potential risks to water supply and water quality in the water supply catchments. ➤ Creation of tsunami inundations maps showing the extent of inland inundation along with depth and velocity of Tauranga Harbour. ➤ Begin work on a co-governance document for Tauranga Moana – subject to resolution of the Tauranga Moana Framework. ➤ Continue to build the information base and relationships with tangata whenua, the community and stakeholders for Freshwater Futures Tauranga Harbour Water Management Area. ➤ Flood hazard mapping and design levels for the Uretara Stream. ➤ Undertake Tauranga Harbour Tsunami Inundation Assessment.
Governance, tangata whenua engagement and involvement and programme management	<ul style="list-style-type: none"> ➤ Create in partnership with Iwi an integrated campaign based on the State of the Environment Report that engages with our community. ➤ Work on an implementation approach to activate He Korowai Mātauranga Framework. ➤ Project team established for the Happy Harbour Fun Day event in 2020.
Maritime	<ul style="list-style-type: none"> ➤ Provide for safe navigation in the harbour. ➤ 24/7 response to oil spill and navigation safety. ➤ Undertake two day desk top audit on Port and Harbour Safety Management systems. ➤ Summer student programme to educate younger people to promote safe boating in the harbour and region. ➤ New maritime vessel acquisition.
Science	<ul style="list-style-type: none"> ➤ Undertake NERMN monitoring of 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

- Clear nuisance accumulations of sea lettuce from high public use areas of the harbour and use the collected sea lettuce sustainably.
- Work jointly with partners and schools to clear litter and rubbish from harbour margins and streams.
- Re-establishment of the Recreational Users Forum. Exploring options to undertake a Recreational Users Survey.
- Grow participation for Predator Free BOP to get rat traps in every fifth back yard across Tauranga City and the urban parts of the Western Bay of Plenty.
- Undertake beach nourishment in high value recreation sites.
- Restore and maintain harbour esplanades and margins to filter nutrients and silt entering the harbour.
- Undertake a survey on water craft harbour access and demand analysis.
- Monitor and respond to marine biosecurity risks.
- Manage mangrove expansion.
- Support care groups throughout the catchment, coast and harbour.
- Develop a plan of action to make Kaiate Falls and stream swimmable again.
- Start the process for Tahataharoa land purchase and restoration.

Regulatory Compliance

- Continue audits of high risk and hazardous business.
- Undertake Matakana Island Sawmill assessment and present the assessment of costs to Komiti Māori and report to the Matakana Island Trust.
- Undertake regular monitoring of all active earthworks sites.
- Undertake compliance monitoring of diary discharges, geothermal discharges and abstractions, industrial and air discharges.
- Complete all enforcement action within statutory timeframes
- Respond to 95% of urgent complaints within 12 hours.



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.

Our approach to delivering the Programme 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 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 pollution prevention).

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
SHARED	Tauranga Moana Programme 2018/2019 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 2018/2019 Annual Report and Highlights Summary to relevant council committees in September 2019.	The Tauranga Moana Programme is supported from all sectors of the community including tangata whenua. Contribution to the Tauranga Moana Iwi Management Plan (TMIMP): Tuhauora Whānau – our people Policies 32, 33. Tuhauora Hinengaro – knowledge Policy 37.	Staff time only. Funded from existing budgets.
	Tauranga Moana Programme Annual Work Plan 2019/2020. BOPRC, TCC, WBOPDC.	The first Annual Work Plan was produced in 2013/2014.	Produce the 2019/2020 Annual Work Plan.	Present the 2019/2020 Annual Work Plan to the relevant council committees for approval in August 2019.	The AWP has direct connections to all policies described in the Tauranga Moana Iwi Management Plan.	Staff time only. Funded from existing budgets.



	Project	Background	Description	KPI/Deliverables	Outcomes	Budget
	State of the Moana Programme – Phase one.	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, 33. Tūhauora Hinengaro - knowledge Policy 36.	\$20,000 BOPRC. BOPRC and TMIC staff time.
	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 2018/2019. 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.



	Project	Background	Description	KPI/Deliverables	Outcomes	Budget
SHARED	Happy Harbour Fun Day 2020	A successful Happy Harbour Fun Day was held March 2018 with approximately 3000 people attending.	Planning for an event in early 2020.	Project group established Planning commenced by early 2019.	Project group established Planning commenced by early 2019. Contributes to the following TMIMP policies: Tūhauora Whānau – Our People Policies 32-34 Tūhauora Hinengaro – Knowledge Policies 35-38	To be confirmed.
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.



	Project	Background	Description	KPI/Deliverables	Outcomes	Budget
BOPRC	Communications Strategy implementation 2018/2019.		Implement Communications Strategy and Action Plan that delivers messages to target audiences. <ul style="list-style-type: none"> • Biodiversity harbour camera. • Video harbour stories. • E-newsletters. • Maritime signage campaign. 	Deliver targeted communications material throughout the year as per the Communications Strategy and Plan. Respond to media and communications opportunities and issues as they arise.	Stronger relationships and a meaningful partnered approach based on respect and trust ensures outcomes remain focussed on environmental enhancement and mutual relationships. Contributes to the following TMIMP policies: Tūhauora Whānau – Our People: Policies 33, 34. Tūhauora Hinengaro – Knowledge: Policies 36, 37.	\$40,000. Staff time funded from existing budgets.



	Project	Background	Description	KPI/Deliverables	Outcomes	Budget
BOPRC	Build capacity for the use of Maturanga Māori for Tauranga Moana.	<p>Following the Tauranga Moana Iwi Collective (TMIC) Deed of Settlement and establishment of a co-governance entity, it is anticipated that Maturanga Māori will feature as part of future environmental monitoring.</p> <p>Maturanga Maori is a knowledge system that should be considered and applied where appropriate.</p> <p>Support for the development of a Maturanga Strategy will be sought.</p>	<p>Liaise with relevant hapū/iwi and other entities to ensure Maturanga Maori is documented, incorporated and supported where appropriate.</p> <p>Initially this project will require scoping for future project related development.</p>	Ongoing work through 2018/2019.	<p>Enhancement, restoration and protection of the environment is achieved that fulfils tangata whenua and the wider community aspirations.</p> <p>Success and the achievement of outcomes are culturally holistic.</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 35-37.</p>	Staff time funded from existing budgets.



	Project	Background	Description	KPI/Deliverables	Outcomes	Budget
BOPRC	Tauranga Moana Iwi Management Plan. Socialisation. Implementation.	<p>The Tauranga Moana Iwi Management Plan is a joint Iwi Planning Document prepared by, and on behalf of, Ngāi Te Rangi, Ngāti Ranginui and Ngāti Pūkenga. It updates and replaces the Te Awanui Tauranga Harbour Iwi Management Plan 2008.</p> <p>The Plan sets out priority issues, outcomes and actions for the next 10 years.</p>	<p>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 matauranga Māori and through this cultural lens looks to address issues by providing outcomes and actions to resolve these issues.</p>	Ongoing work to support hapū/iwi throughout 2018/2019.	<p>Ongoing health of the environment and successful management of the environment is sustained through true partnership.</p> <p>Contributes to the following TMIMP policies:</p> <p>Tūhauora Whānau - Our People Policies 32-34.</p> <p>Tūhauora Hinengaro – Knowledge Policies 35-37.</p>	One staff member time funded from existing budgets.



	Project	Background	Description	KPI/Deliverables	Outcomes	Budget
BOPRC	State of the Environment.	The Tauranga Catchment Team will partner with Tangata whenua to develop the SOE for the Tauranga Harbour.	Create integrated campaign based on the state of the environment report. Created in partnership with our local iwi and formatted in a way that engages with our community.	Draft complete by July 2018 that reflects a Māori view of the state of the harbour. To be completed by August 2018. Hardcover book. Factsheet breakdowns or particular issues/sites. Social media videos.	TMP activities are making positive, tangible changes to the mauri of the environment. Progress and achievement of outcomes in TMP are directly connected to, and reflected by, positive change in environmental baseline provided by SOE. Contributes to the following TMIMP policies: Tūhauora Whānau – Our People Policies 32, 33. Tūhauora Hinengaro - knowledge Policy 36.	Funded from existing budgets.



	Project	Background	Description	KPI/Deliverables	Outcomes	Budget
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 2018/2019.	<p>Forum membership informed and equipped to make informed decisions on harbour environmental management.</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>	Funded from the Democracy budget.



Integrated planning and modelling

	Project	Background	Description	KPI/Deliverables	Outcomes	Budget
SHARED	Water supply catchment management BOPRC, TCC.	Identify and manage issues related to adverse water quality in the TCC drinking water supply catchments.	<p>Work programme includes ground and aerial inspections,</p> <p>Landslips monitoring/mitigation,</p> <p>Riparian bank erosion including riparian fencing, planting, ongoing maintenance,</p> <p>Sampling and analysis of stream water quality,</p> <p>Management of land owned by TCC including:</p> <ul style="list-style-type: none"> • 2500 ha native bush. • 200 ha exotic forest. <p>General observations e.g. trees fallen into the stream causing blockages/flooding; fly dumping; potential agricultural/ commercial industrial/earthwork/ forestry activity that may impact on water quality,</p> <p>Storm event monitoring to identify sources of high turbidity, and pest management.</p>	Ongoing work throughout 2018/2019.	<p>Sustainable development for vibrant and healthy communities.</p> <p>Contributes to the following TMIMP policies:</p> <p>Tūhauora Tinana – Healthy Waters Freshwater</p> <p>Policies 1-3</p>	<p>\$950,000</p> <p>Staff time funded from existing budgets (BOPRC).</p>



	Project	Background	Description	KPI/Deliverables	Outcomes	Budget
SHARED	Tauranga Harbour Inundation and Coastal Erosion BOPRC, TCC, WBOPDC	Over previous years there have been a number of studies undertaken to develop harbour inundation and erosion design levels. These studies have used a number of different technical methods resulting and a range of design levels. Consequently, there is currently an inconsistent application of design levels around the harbour margins including the allowance for climate change related sea level rise.	The purpose of this study is to use the latest technical approach for the analysis and modelling of Tauranga Harbour inundation and erosion. Recently NIWA (for BOPRC) has completed a complementary project developing the Coastal Calculator which generated design inundation levels for 21 locations along the open coast of the Bay of Plenty. The Tauranga Harbour study results will be integrated with the Coastal Calculator to give a consistent set of inundation design levels.	The outcome will be a robust, peer reviewed set of harbour inundation levels and erosion extents that include climate change allowances. This information can then be consistently applied around the harbour by all agencies. The mapped areas of land susceptible to coastal hazards will also be used as the key input for a risk assessment as the next state of work this year.	Development around Tauranga Moana harbour margins is sustainable, secure and future proofed. Contributes to the following TMIMP policies: Tūhauora Whānau - Our People Policies 32-34. Tūhauora Hinengaro – Knowledge Polies 35-38. Tūhauora Tinana – Healthy Waters Policy 10.	\$100,000 BOPRC. \$100,000 TCC. \$100,000 WBOPDC.



	Project	Background	Description	KPI/Deliverables	Outcomes	Budget
BOPRC	Tauranga Harbour Tsunami Inundation Assessment	TCC have recently undertaken tsunami modelling to a Level three standard for the purpose of improving evacuation zones and routes. Work is required to update confirm the TCC modelling is suitable for land use planning in accordance with the RPS and to obtain similar modelling for the WBOPDC area.	<p>Level three tsunami modelling is undertaken by hydrodynamic modelling of a local source. The source parameters are based on the National Tsunami Hazard Model at the following probabilistic scenarios:</p> <ul style="list-style-type: none"> - Maximum credible event - 2,500 year Average Recurrence Interval (ARI) - 1,000 year ARI - 500 year ARI. <p>All scenarios will be assessed for both the current base water level and a future base water level with an allowance for sea level rise.</p>	Tsunami inundation maps showing the extent of inland inundation along with depth and velocity for Tauranga Harbour.	<p>Improved community safety and security during Tsunami emergency events.</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>	\$50,000.



	Project	Background	Description	KPI/Deliverables	Outcomes	Budget
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.	<p>Priority is given to implementing the work programme as post settlement governance partnership is established and agreed.</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	Outcomes	Budget
BOPRC	Region-wide planning projects.	<p>There are a number of region-wide planning projects that will apply in Tauranga Moana. These are plan reviews and plan changes 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>Regional Coastal Environment Plan.</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>Ongoing work throughout 2018/2019.</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
BOPRC	Freshwater Futures – Tauranga Harbour Water Management Area.	The National Policy Statement on Freshwater Management (NPSFW) is being implemented within Water Management Areas (WMAs). This involves working with communities to set water limits at a localised level to meet water quality and quantity targets for specific areas and waterways.	Development of freshwater objectives and planning regulations to manage water allocation and water quality in the Tauranga Harbour catchment.	Continue to build the information base, and relationships with tangata whenua, the community and stakeholders.	<p>Decisions on the management of freshwater in Tauranga Moana are informed by, and managed via the application of community values, including those of tangata whenua.</p> <p>Contributes to the following TMIMP policies:</p> <p>Tūhauora Tinana – Healthy Waters Freshwater Polies 1-3.</p> <p>Tūhauora Whānau - Our People Policies 32-34.</p> <p>Tūhauora Hinengaro – Knowledge Polies 35-38.</p>	Staff time funded from existing budgets.



	Project	Background	Description	KPI/Deliverables	Outcomes	Budget
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 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>	\$20,000 funded from Engineering. \$40,000 funded from Tauranga catchments.



	Project	Background	Description	KPI/Deliverables	Outcomes	Budget
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>	\$6.5m.



	Project	Background	Description	KPI/Deliverables	Outcomes	Budget
TCC	Environmental Strategy.	<p>Tauranga City Council's Environment Committee was established in November 2016.</p> <p>The Environment Committee identified the need for a citywide strategic framework that defines the outcomes it seeks for the environment and sets priorities and targets to meet those outcomes.</p> <p>TCC will be developing an environment strategy that will help us maintain or improve the quality of the natural environment, including the quality of life of Tauranga residents.</p>	<p>The strategy will:</p> <p>Demonstrate kaitiakitanga (guardianship) over our environment and ensure we grow in a way that protects and enhances one of our greatest assets – our natural environment.</p> <p>Provide an evidence base for decision-making, through understanding the 'pressure, state and impact' on aspects of our natural environment. This includes understanding the views of tangata whenua, stakeholders and the community on the current state of the environment, issues and potential solutions.</p> <p>Provide a catalyst for change (internally and externally) to ensure outcomes are met.</p>	A set of SMART objectives and targets will be developed through the strategy.	<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>	Funded from existing budgets.

Science

	Project	Background	Description	KPI/Deliverables	Outcome	Budget
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
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 2018 and June 2019 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. 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>	<p>\$160,000 (University of Waikato Chair of Coastal Science). Staff time funded from existing budgets.</p>



	Project	Background	Description	KPI/Deliverables	Outcome	Budget
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>Current research includes two projects.</p> <ul style="list-style-type: none"> Hydrodynamics control on sedimentation within the harbour. Dissolved inorganic nitrogen fluxes in the Harbour. Funding for a further four projects has been approved but projects have not yet started. Dynamics of sediments and nutrients in lowland 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 30 April 2019.	<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>	\$80,000 funded from existing budgets.



	Project	Background	Description	KPI/Deliverables	Outcome	Budget
BOPRC	Manaaki Te Awanui-MTM two subtidal survey of Tauranga Harbour	Funding was secured from central government to undertake a subtidal survey of Tauranga with support from BOPRC.	Project will sample subtidal channel sites throughout the harbour to describe infauna and shellfish beds along with analysis of sediment characteristics such as metal contamination grain size etc. Further information will be gained through the use of towed cameras to map the subtidal channels. This information will be used to produce a scientific report and habitat map of the entire harbour.	Deliver a full peer reviewed report and habitat map on completion.	<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>	\$33,000 funded from existing budgets.



	Project	Background	Description	KPI/Deliverables	Outcome	Budget
BOPRC	Manaaki Te Awanui - MTM 2 Coastal Cultural Health Index.	Funding was secured from central government to undertake the development of the Coastal Cultural Health Index with support from BOPRC.	Project to develop the Coastal Cultural Health Index with support from BOPRC.	Deliver report and Coastal Cultural Health Index 2020, progress reports yearly (June 2019).	<p>Baselines and targets for environmental enhancement and restoration are informed by, and monitored with, culturally informed indicators and standards.</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>	\$67,000 funded from existing budgets.

Operations

	Project	Background	Description	KPI/Deliverables	Outcomes	Budget
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, prioritise and implement works 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.	\$100,000 BOPRC. \$50,000 TCC. \$50,000 WBOPDC.



	Project	Background	Description	KPI/Deliverables	Outcomes	Budget
SHARED	Tauranga Harbour Stream Works BOPRC, WBOPDC.	Stream works are required from time to time to repair and stabilise active stream bank erosion features. The work is located outside approved river scheme zones and is mostly carried out on private land with a focus on reducing sedimentation within waterways and the harbour.	The purpose of the project is to assist landowners within the Tauranga Harbour catchment to stabilise active streambank erosion to protect property and reduce sedimentation.	Stream bank repair and stabilisation of eroding banks undertaken as and when required within budget.	Sustainable land management practices that improves the health of waterways and harbour. Contributes to the following TMIMP policies: Tūhauora Whenua – Healthy Land Effects of land use and Development Policies 23, 25, 26. Tūhauora Tinana – Healthy Waters Wetlands Policy 4. Coastal Policies 7-16.	Funded from Sustainable Land Use Budget BOPRC \$100,000 WBOPDC.



	Project	Background	Description	KPI/Deliverables	Outcomes	Budget
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.	\$116,000 BOPRC. \$43,000 TCC. \$30,000 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 currently in a pilot phase and 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.	\$10,000 BOPRC. Staff time (all three councils) funded from existing budgets.



	Project	Background	Description	KPI/Deliverables	Outcomes	Budget
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, annual 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.	Level of response depends on the severity of the 2018/2019 bloom. Ensure contracts with clean-up contractor and receiving site operators are finalised by 31 October 2018.	Sea lettuce is managed to natural levels where possible. Contributes to the following TMIMP policies: Tūhauora Whānau - Our People Policies 32, 33. Tūhauora Tinana – Healthy Waters Coastal Policies 7, 8, 9, 10.	\$50,000 BOPRC. \$30,000 TCC. Staff time (all three councils) funded from existing budgets.



	Project	Background	Description	KPI/Deliverables	Outcomes	Budget
SHARED	Litter clean-ups BOPRC, TCC.	TCC and BOPRC 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 2018/2019 is to stage 10 -12 events involving upwards of 15 schools. Funding for clean-ups within the Tauranga City area is shared 50:50 between Tauranga City Council and BOPRC. 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 upwards of 15 schools during 2018/2019.	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.	\$5,000 TCC. \$5,000 BOPRC. \$10,000 Sponsored by Downer (TCC Maintenance Contractor). Staff time funded from existing budgets.



	Project	Background	Description	KPI/Deliverables	Outcomes	Budget
BOPRD	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.	Re-establishment of the recreation users forum / or equivalent. Explore option of undertaking a recreation user's survey.	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.
SHARED	Katikati Hills to the Ocean – H2O Improvement Project.	Partnership with Uretara Estuary Managers, 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.	\$50,000 BOPRC. \$50,000 MFE.



	Project	Background	Description	KPI/Deliverables	Outcomes	Budget
SHARED	Project Parore.	The project initiated off the back of the successful bid to the Freshwater Improvement Fund for the Katikati H2O project 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 potentially 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.	<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 2018/2019.	<p>The health of the catchment is enhanced via localised leadership and initiatives.</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.</p> <p>Wetlands Policy 4.</p>	Funded from existing budgets.



	Project	Background	Description	KPI/Deliverables	Outcomes	Budget
SHARED	<p>IP3 Hazardous Activities and Industries List (HAIL) activity audits</p> <p>BOPRC, TCC, 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 2018/2019. 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 2018/2019.</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 Freshwater Policies 1-3.</p> <p>Wetlands Policy 4.</p> <p>Coastal Policies 7-13, 18-20.</p>	<p>\$25,000 BOPRC.</p> <p>TCC fund half the costs through staff and resources.</p>



	Project	Background	Description	KPI/Deliverables	Outcomes	Budget
SHARED	Regional Wastewater Overflow Forum BOPRC, TCC, WBOPDC.	Regional Wastewater Overflow Forum 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: <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. 	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.	Staff time only.



	Project	Background	Description	KPI/Deliverables	Outcomes	Budget
SHARED	Water craft and general harbour access survey and demand analysis BOPRC, TCC, WBOPDC.	As communities like Omokoroa 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 eg 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 2018/2019 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.	\$5,000 WBOPDC. \$5,000 TCC. \$5,000 BOPRC.



	Project	Background	Description	KPI/Deliverables	Outcomes	Budget
BOPRC	Catchment Management Implementation.	Identify priorities for improving water quality, protecting biodiversity, controlling pests and reducing nutrient and sediment run-off into waterways.	Staff work with landowners and community care groups on sustainable land use and biodiversity protection through funding and advice. This work includes the development of Riparian and Biodiversity Management Plans.	<p>The two highest priority catchments for swimmability improvement have detailed action plans in place.</p> <p>Two additional Priority one or two Biodiversity sites where biodiversity actively managed within the Tauranga Harbour catchment.</p>	<p>Ongoing restoration and enhancement of the health and status of catchment environments 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.</p> <p>Geothermal Policies 4, 5.</p> <p>Wetlands Policy 4.</p> <p>Coastal Policies 7-20.</p>	<p>\$666,000 (Sustainable Land Use).</p> <p>\$254,000 (Biodiversity).</p>



	Project	Background	Description	KPI/Deliverables	Outcomes	Budget
BOPRC	Kaiate Taskforce.	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 E. coli bacteria at this site. This is most likely due to run-off from surrounding farmland and faecal matter from birds that nest and feed above the falls. 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. R D and D provided direction on land management and compliance action, along with a clear message to landowners about expected level of practice and potential future regulation as the preferred approach to address water quality issues.	Ongoing work throughout 2018/2019.	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 existing budgets.



	Project	Background	Description	KPI/Deliverables	Outcomes	Budget
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 2013-2018. 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 streams: stakeholder communication, surveillance, incursion management and the development of a Small Scale Management Plan (SSMP) under the Biosecurity Act.	Continued delivery of an intensive surveillance programme throughout 2018/2019. 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.	\$171,360.



	Project	Background	Description	KPI/Deliverables	Outcomes	Budget
BOPRC	Ongoing support of the Kaimai Mamaku catchments Forum.	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 six city and district councils, 13 iwi and the landowners who live within those catchments.	The Forum brings together a diverse range of stakeholders that make a difference to the wellbeing of Tauranga Harbour, its catchment and the communities that rely on it. Regional Council supports the Forum's efforts to collaborate on catchment challenges and contribute to our planning work.	Continued participation in the joint agency project. Continued support of the Forum.	Genuine community involvement focussing efforts on the enhancement of the Tauranga Harbour and Waihou River catchments. 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.	\$70,000 (contribution). Staff time funded from existing budgets.



	Project	Background	Description	KPI/Deliverables	Outcomes	Budget
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>	\$40,000.



	Project	Background	Description	KPI/Deliverables	Outcomes	Budget
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 satisfied with the level of service they receive from Council.	<p>Estuary health in Tauranga Harbour improves and secured.</p> <p>Estuary restoration in Tauranga Harbour is maintained.</p> <p>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>	\$40,000.



	Project	Background	Description	KPI/Deliverables	Outcomes	Budget
BOPRC	Seedling mangrove 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 will mechanically remove mangrove seedlings in open inter-tidal areas from up to 12 estuaries across Tauranga Harbour.</p> <p>The work is undertaken utilising a purpose-built hovercraft with front mounted mower blades.</p>	Up to 600 ha per annum of mechanical mangrove seedling maintenance.	<p>Mangrove growth is restricted to locations of natural occurrence.</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>	\$190,000.



	Project	Background	Description	KPI/Deliverables	Outcomes	Budget
BOPRC	Mature mangrove management.	Resource consents have provided for limited removal of mature mangroves by Estuary Care groups since 2009.	Council agreed to continue its support to established estuary care groups with mangrove management in the Long Term Plan 2018-2028.	Mature mechanical mangrove management as required and where resource consent is in place.	Mature mangroves are only removed where consent has been granted. 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.	\$25,000.
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 response to incidents. Identify spiller to recover costs. Carry out oil spill response responsibilities, respond appropriately to marine oil spills, manage mooring areas and carry out navigation safety functions across the region.	Long Term Plan KPI: Spills in Tauranga are responded to within 30 minutes and all others are responded to within two hours.	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.



	Project	Background	Description	KPI/Deliverables	Outcomes	Budget
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 2018.	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.
BOPRC	Navigation and Safety.		Maintaining navigational aids, lights and beacons around the harbour.	Long Term Plan KPI: Percentage of navigation aids rated as 'good' quality or higher. Purchase and installation of navigation aids.	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	Vessel acquisition.	Tauranga harbour provides challenges with shallow or dry areas particularly at low tide.	A Sea legs vessel will be able to support work during these times and will also be a valuable research and rescue asset.	Managing navigation safety in Tauranga Harbour area.	Rescue and research capacity improved due to greater access to further areas of the harbour. Contributes to the following TMIMP policies: Tūhauora Whānau - Our People Policies 32-34. Tūhauora Hinengaro – Knowledge Policies 35-38.	\$185,000



	Project	Background	Description	KPI/Deliverables	Outcomes	Budget
BOPRC	Education Programme.	Educating younger people to promote safe boating in the harbour and region.	A summer student programme will be started to help promote safe boating throughout the region.	Ongoing work throughout 2018/2019.	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.	\$76,000.
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. 80% of compliance monitoring inspections that occur as per the frequency specified in the Resource Management Act and 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
BOPRC	Matakana Island Sawmill assessment.	Bay of Plenty Regional Council has undertaken several investigations into potential soil contamination at the Matakana Island Sawmill at Hunters Creek. Several assessments have determined the site poses very low level human health or environmental risk whilst it lies undisturbed and uninhabited. The Matakana Island Trust which is a part owner of the site approached Komiti Māori asking for council to undertake further works on the site. Council staff have been directed to report back to Komiti Māori with cost estimates to undertake a full Detailed Site Investigation on the site.	Council staff are currently attempting to gain majority landowners permission to access the site in order to plan and undertake an assessment of costs to carry out a full Detailed Site Investigation. Note it is not the intention of council to fund a DSI, but to outline costs involved to Komiti Māori and report to the Matakana Island Trust.	Present assessment of costs to Komiti Māori and report to the Matakana Island Trust.	Present assessment of costs to Kōmiti Māori and report to the Matakana Island Trust. 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 Policies 23, 25, 26.	Funded from existing Regulatory Compliance budgets.



	Project	Background	Description	KPI/Deliverables	Outcomes	Budget
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>	<p>\$150,000 for monitoring. Additional funding from existing budgets.</p> <p>\$100,000.</p> <p>\$550,000.</p>



	Project	Background	Description	KPI/Deliverables	Outcomes	Budget
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 2018/2019. Complete review of the Environmental Mitigation and Enhancement Fund. Review of wastewater overflow prevention and response procedures. Complete construction of Te Maunga dewatering and sludge thickening plant. Te Maunga Bypass line construction Harbour crossing for the southern pipeline to be completed by December 2018. 	<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 Effects of land use and Development</p> <p>Policy 23.</p> <p>Coastal</p> <p>Policies 7-10.</p>	<p>\$81,500 Resource consent monitoring.</p> <p>\$157,100 Consent compliance operating costs.</p> <p>\$490,000 WW Mitigation and Enhancement Fund.</p> <p>\$9M TM Bypass line.</p> <p>Additional funding from existing budgets.</p> <p>\$18M southern pipeline.</p>



	Project	Background	Description	KPI/Deliverables	Outcomes	Budget
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. • Modules presented 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 2018/2019.</p> <p>Key focus for 2018/2019 is the development of a targeted wet wipe campaign to prevent/minimize the amount of wet wipes entering the wastewater network.</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><i>Freshwater</i></p> <p>Policies 1, 2.</p>	\$70,000.



	Project	Background	Description	KPI/Deliverables	Outcomes	Budget
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><i>Freshwater</i></p> <p>Policies 1, 2.</p> <p>Coastal</p> <p>Policies 7-10.</p>	\$220,000 for Pollution Prevention Programme.



	Project	Background	Description	KPI/Deliverables	Outcomes	Budget
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, Wairoa esplanade reserves.	Plant and animal pest control and native planting to improve ecological integrity. Beach sand nourishment. Sea-walls. Boardwalks.	Compliance and impact monitoring of sites/activity to be in accordance with City Plan and restoration plans for each site. Kulim Park to receive 4,500 m3 of sand in July/August 2018.	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.	\$200,000 plus additional funding from TCC operational budgets for restoration \$580,000 sea walls. \$50,000 boardwalks. \$22,000 beach re-nourishment.
TCC	Beaches Bylaw Review.	The Beaches Bylaw is currently up for review.	The purpose of the bylaw is to control activities that are likely to affect public safety, minimise nuisance on the beach, and ensure the uses of the beach are primarily for recreational purposes.	Submission hearings to take place July 2018 Final revised bylaw for adoption by Council October 2018.	Recreational use of beaches is safe, not disruptive, and open to all users. Contributes to the following TMIMP policies: Tūhauora Tinana – Healthy Waters Coastal Policies 7-10.	Funded from existing budgets.



	Project	Background	Description	KPI/Deliverables	Outcomes	Budget
WBOPDC	Tahataharoa land purchase and restoration project.	The Tahataharoa land is at the mouth of the Wairoa River. It is significant to Pirirakau Hapu and environmentally valuable. The acquisition of this land for reserve purposes has been identified in the Hapu Management Plan. Both Pirirakau and WBOPDC submitted to Bay of Plenty Regional Council seeking funding support for the purchase and restoration of this land.	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.	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. Fisheries Policy 21.	\$200,000.



	Project	Background	Description	KPI/Deliverables	Outcomes	Budget
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.	\$5,000. \$39,000. Staff time funded from existing budgets.
WBOPDC	Ongare Wastewater Scheme.	Ongare Point remains a maintenance zone under the On-Site Effluent Treatment (OSET) Plan. Rules require connecting to reticulation, upgrading or applying for a Regional Council consent.	Reticulated system required to reduce seepage to the harbour marine environment.	Reticulated community system.	Reticulated community system. Contributes to the following TMIMP policies: Tūhauora Tinana – Healthy Waters Freshwater Policies 1, 2.	\$873,000.
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.	\$100,000.



	Project	Background	Description	KPI/Deliverables	Outcomes	Budget
WBOPDC	Seawalls.		Matahui Esplanade Reserve slip/erosion mitigation in conjunction with adjoining property owners.	Obtain required consents from Regional Council.	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.
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.



	Project	Background	Description	KPI/Deliverables	Outcomes	Budget
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 2018/2019.	Ongoing work throughout 2018/2019. 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.	\$5,000.

Financials

Bay of Plenty Regional Council Budget 2018/2019	
Maritime	\$1,100,000
Tauranga Catchments	\$1,900,000
Integrated Planning	\$340,000
Engineering	\$190,000
Regulatory Compliance	\$500,000
Science	\$460,000
Marine Biosecurity	\$171,360
Total annual budget	\$4,661,360

Tauranga City Council Budget 2018/2019	
Recreation and Natural Environmental	\$880,000
Stormwater Pollution Prevention	\$880,000
Wastewater Effects Mitigation	\$27,730,000
Integrated Stormwater Project	\$6,500,000
Tauranga Harbour Inundation and Coastal Erosion	100,000
Total annual budget	\$36,090,000

Western Bay of Plenty District Council Budget 2018/2019	
Tauranga Catchments Contribution (Coast Care, HMP's, Stream Works and Inundation and Coastal Erosion)	\$286,000
Ongare Wastewater Scheme	\$873,000
Tahataharoa Land Purchase and Restoration	\$200,000
Total annual budget	\$1,359,000