



Eastern Integrated Catchments Programme - Annual Work Plan 2018/2019

July 2018

Nau Mai Haere Mai

Tēnā Koutou katoa

Welcome to this new edition of the Eastern Integrated Catchments Programme: Annual Work Plan 2018-2019.

The programme covers all significant activities in the Eastern catchments and Ōhiwa Harbour, including work across policy and planning, science, pollution prevention and maritime service functions. It also includes all operational activities such as biosecurity, biodiversity protection, coast care, rivers and drainage, and sustainable land management.

Ōhiwa Harbour remains a key focus with renewed emphasis on nutrient management in the Nukuhou River catchment, completion of the heritage trail and implementation of the shellfish project now consents have been granted.

Waiōtahe catchment has a new catchment programme with farmers and the community to reduce ecoli entering waterways and increasing biodiversity protection.

Goat control east of Ōpōtiki will continue building on the current successful prevention of their spread into the Raukūmara's and Cape Runaway farms.

Council remains committed to provide support and advice across this suite of catchments to iwi, community and landowners.

Ngā mihi nui

Simon Stokes

Eastern Catchments Manager



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Annual Work Plan

The following sections provide details on all significant activities (both projects and ongoing work) planned in the Eastern Catchments by the Bay of Plenty Regional Council.

The programme is broken into five areas of focus and presented in the following sections:

- Governance.
- Ōhiwa Harbour Strategy.
- Integrated planning.
- Science.
- Operations (includes – Coast Care, Land Management, Maritime, Kotahitanga Strategic Engagement, Regulatory Compliance, Consents, Rivers and Drainage, Engineering and Biosecurity).

Priorities for 2018/2019

Governance	<ul style="list-style-type: none"> ➤ Support the Ōhiwa Harbour Implementation Forum. ➤ Prepare a programme work plan for 2018/2019 and report on programme progress through a six-month and end of year report. Including reporting to the Ōhiwa Harbour Implementation Forum and the Eastern Bay Joint Committee and the three district councils. ➤ Build and protect the positive reputation of partner agencies. ➤ Provide strategic communications advice and support the programme to connect with and influence stakeholders.
Integrated Planning	<ul style="list-style-type: none"> ➤ Support economic growth projects in the Eastern Catchments.
Science	<ul style="list-style-type: none"> ➤ NERM SOE monitoring.
Eastern Catchments Land Management	<ul style="list-style-type: none"> ➤ Implementation of the Waiōtahe Catchment Action Plan – continue water monitoring; support Catchment Care Group; work with landowners to implement Farm Environment Plans. ➤ Implement the Ōhiwa Harbour Strategy.
Maritime	<ul style="list-style-type: none"> ➤ Conduct patrols as required in summer.
Māori Policy	<ul style="list-style-type: none"> ➤ Tangata whenua engagement throughout the Eastern Catchments. ➤ Implementation of He Korowai Matauranga (Matauranga Maori Framework). ➤ Iwi/Hapu Management Plan support.
Community Engagement	<ul style="list-style-type: none"> ➤ Environmental Enhancement Fund (EEF). ➤ Community Initiatives Fund (CIF). ➤ Community Engagement support for Eastern Catchment.
Regulatory Compliance	<ul style="list-style-type: none"> ➤ Undertake consent compliance monitoring. ➤ Monitor high risk forestry activities undertaken under the National Environmental Standard for Plantation Forestry.
Rivers and Drainage	<ul style="list-style-type: none"> ➤ April 2017 Flood Repair Project. ➤ Kopeopeo Canal Remediation Project. ➤ Whakatāne River urban stopbank raising. ➤ Quay Street and Kakaharoa Drive seepage trenches. ➤ Waioeka-Otara Rivers capacity review.
Biosecurity	<ul style="list-style-type: none"> ➤ Control at all sites containing Eradication species. ➤ Strategic control of Containment pests utilising local Contractors, primarily focussed on wild ginger and woolly nightshade. ➤ Work with landowners, stakeholders and partners to build on feral goat control around the East Cape. ➤ Engage with Ngāi Tūhoe and Ngāti Whare regarding Wilding Conifer control in their rohe.

Governance

Project	Background	Description	KPI / Deliverable	Budget	Link to Outcomes
Eastern Catchments Annual Work Programme 2018/2019 (for Bay of Plenty Regional Council, Eastern Bay Joint Committee)	Bay of Plenty Regional Council and Eastern Bay Joint Committee require a report.	The 2018/2019 Annual Work Programme will describe the significant work planned for the 2018/2019 financial year. It will be presented to relevant Council committees.	Present 2018/2019 Eastern Catchments Annual Work Programme to the relevant council committee/s.	Staff time only, funded from Eastern Activity budget.	A healthy environment, Freshwater for life, Safe and resilient communities, A vibrant region.
Eastern Catchments 2018/2019 Six Months Progress Report (for Bay of Plenty Regional Council, Eastern Bay Joint Committee)	Bay of Plenty Regional Council and Eastern Bay Joint Committee require a report.	The progress report describes the results/ progress of the Eastern Catchments projects and core ongoing work carried out in the 2018/2019 financial year.	Present the Eastern Catchments 2018/2019 Six Months Progress Report to the relevant Council committees.	Staff time only, funded from Eastern Activity budget.	A healthy environment, Freshwater for life, Safe and resilient communities, A vibrant region.
Eastern Catchment 2018/2019 Annual Report (for Bay of Plenty Regional Council, Eastern Bay Joint Committee)	Bay of Plenty Regional Council and Eastern Bay Joint Committee require a report.	The Annual report describes the results of the Eastern Catchments projects and core ongoing work carried out in the 2018/2019 financial year.	Present the 2018/2019 Annual Report to the relevant Council committee/s by the end of September 2019.	Staff time only, funded from Eastern Activity budget.	A healthy environment, Freshwater for life, Safe and resilient communities, A vibrant region.
Ōhiwa Harbour Strategy Annual Work Programme 2018/2019 (for Ōhiwa Harbour Implementation Forum)	Ōhiwa Harbour Implementation Forum require a report.	The 2018/2019 Annual Work Programme describes the significant work planned for the 2018/2019 financial year.	The 2018/2019 Annual Work Programme was endorsed by the Ōhiwa Harbour Implementation Forum in March 2018. <ul style="list-style-type: none"> • Support farmers to improve water quality. • 2 km riparian fencing. • 6 working bees to remove mangroves. • Support landowners and care groups to protect biodiversity. • Complete environmental 	\$61,000 plus staff time funded from Eastern Activity budget.	A vibrant region, A healthy environment, Safe and resilient communities.

Project	Background	Description	KPI / Deliverable	Budget	Link to Outcomes
			<p>monitoring.</p> <ul style="list-style-type: none"> • Compile information on climate change impacts. • Support BOPRC submissions to ODC district plan. • Submit on ODC Bylaw review. • Implement mussel restoration trial. • Advocate to MPI on fisheries issues. • Implement recreation strategy as appropriate. • Design stage 2 of Heritage Trail. • Implement Onekawa Te Mawhai annual plan. • Continue implementation of Communications Plan. • Support NZTA safe roads plan. 		

Integrated planning

Project	Background	Description	KPI / Deliverable	Budget	Link to Outcomes
Regional Allocation Plan Implementation project Plan Change 9	BOPRC is strengthening water allocation limits and management through a Region-wide Water Quantity Plan Change (Plan Change 9). The change will add new rules and policies to the Regional Natural Resources Plan.	Public submissions were received in December 2016 and further submissions closed in July 2017. Hearings were held in March 2018, and recommendations will be presented to Councilors for a decision on 18 September 2018.	Proposed region-wide Water Quantity Plan Change (Plan Change 9) - Regional Allocation Plan change.	No allocated budget.	A healthy environment, Freshwater for life, Safe and resilient communities, A vibrant region.
Region- wide Plan change	The Regional Natural Resources Plan (previously Regional Water and Land Plan) must be reviewed every 10 years. Our current Plan is due for review December 2018.	Undertake a rolling review of the Regional Natural Resources Plan, reviewing stages of the plan and incorporating Plan changes (RMA schedule 1) the existing NPSFM implementation plan change timeframe.		Water Policy budget \$60,000.	Freshwater for Life: Our water and land management practices maintain or improve the quality and quantity of the regions freshwater resources.
On-site Effluent Treatment Plan Change (region-wide) Plan Change 14	The On-site Effluent Treatment Regional Plan has been reviewed. It will be replaced by Plan Change 14, which will include provisions for on-site effluent treatment systems in the Regional Natural Resources Plan.	The purpose of this project is to update policies and rules for on-site effluent treatment systems (including septic tanks, composting toilets and greywater discharges), and include targeted requirements for communities where systems are having an effect on the environment.	Plan Change 14 (On-site Effluent Treatment – OSET) is progressed.	Regional Integrated Planning budget \$78,000	A healthy environment, Freshwater for life, Safe and resilient communities, A vibrant region.

Science

Management of the Eastern Catchments needs to be underpinned by a comprehensive science programme that includes ongoing monitoring and targeted research.

Project	Background	Description	KPI / Deliverable	Budget	Link to Outcomes
State of the Environment monitoring	Routine State of the Environment monitoring occurs across the Eastern Catchments under the Natural Environment Regional Monitoring Network (NERMN).	Monitoring of: <ul style="list-style-type: none"> • Surface water quality and quantity. • Groundwater water quality and level. • Rainfall and groundwater recharge. • Weather and soil conditions. • Freshwater ecology. • Soil health and trace elements. • Wetlands. • Dunelands. 	Long Term Plan (LTP) KPI is based on environmental scorecards; this is reported at a regional level.	The total budget for the Eastern Catchments is estimated at \$400,000 per annum.	Freshwater for life.
NERMN monitoring wetlands	Regional monitoring of wetlands is underway to monitor trends in condition of freshwater wetlands across the region. The aim is to monitor 70-80 wetlands over a five year period. Year 1 was 2014/2015.	Vegetation plots and soil/foilage samples are used to look at changes in vegetation composition and nutrient status over time.	Complete Year 5 sample of wetlands – monitoring plots established, baseline data collected (dependent on landowner permissions). Data analysis and reporting to be completed at the end of the five-year cycle.	\$55,000 funded from the Science Activity budget. (this is the regional budget).	Freshwater for life.
NERMN monitoring dunelands	Regional monitoring of dunelands is underway to monitor trends in the extent and condition of undeveloped dunes across the region. Monitoring is undertaken every 5-10 years, baseline was completed over the summers of 2008 and 2009.	Vegetation mapping is undertaken across the full extent of the coast. Condition parameters are collected within belt transects at every 1 km interval.	Eastern part of the region (from Otamarakau east) completed in 2016/2017. Data analysis and reporting will be completed in 2018/2019.	\$20,000 funded from the Science Activity or Land and Water Frameworks budget.	A healthy environment.

Project	Background	Description	KPI / Deliverable	Budget	Link to Outcomes
Ōhiwa Harbour Strategy catchment monitoring programme	The Ōhiwa Harbour Strategy contains an action to implement a comprehensive science monitoring programme to understand the health of the harbour and its catchment.	An Ōhiwa Harbour monitoring plan was developed and the relevant annual monitoring is implemented by the Council and other agencies.	Implement the Ōhiwa Harbour annual monitoring programme requirements. Report to Ōhiwa Harbour Implementation Forum in September 2019 on updated results.	Staff time only, funded from Eastern Activity budget.	A healthy environment.

Operations

Operations covers all operational work carried out in the activities such as biosecurity, biodiversity protection, coast care, sustainable land management, pollution prevention, maritime and rivers and drainage.

Project	Background	Description	KPI / Deliverable	Budget	Link to Outcomes
Coast care	<p>There are 73 km of sandy coastline within the Eastern Catchment. Coast care supports groups working to restore dunes in the coastal area. Partner agencies include the District Councils and the Department of Conservation.</p> <p>The programme is community led and joint agency funded to reflect the numerous interests in the coastal environment.</p>	<p>Council offers advice on reducing and repairing dune damage, facilitates activities and coast care groups and provides technical support for dune restoration activities.</p>	<p>Develop operational plan for Coast Care in the Eastern Catchments with the partners.</p> <p>Deliver Coast Care programme within the catchments.</p> <p>Coast care groups are satisfied with the service they receive from Council.</p> <p>Meet with partner agencies 2-3 times per year.</p>	<p>\$106,000 plus staff time all funded from Eastern Activity.</p>	<p>A healthy environment.</p>
Eastern Catchments Land use and Biodiversity	<p>Protection of biodiversity and riparian management provide benefits relating to water quality and quantity, erosion control and soil conservation, and biodiversity outcomes.</p>	<p>Update ground truthing data for waterway protection across Eastern catchments, including collation and presentation of information and priorities derived.</p> <p>Maintain existing environmental programmes for biodiversity, riparian and land management, develop new programmes and support implementation.</p>	<p>Ground truth work is due to be undertaken for the Whakatāne-Tauranga River Catchment.</p> <p>Long Term Plan KPI: Regional – four new Priority biodiversity sites under active management.</p> <p>Long Term Plan KPI: The regional KPI is 82% of monitored river and stream sites that meet the 'swimability' requirements under the NPSFM for 2018/2019.</p>	<p>\$693,000 is Council contribution plus staff time all funded from Eastern Activity.</p>	<p>A healthy environment, Freshwater for life, Safe and resilient communities.</p>

Project	Background	Description	KPI / Deliverable	Budget	Link to Outcomes
Nutrient management	Nutrient leaching from agricultural land use affects water quality. Nutrient management plans provide a tool for farmers to identify nutrient hotspots on farm, and areas where leaching can be reduced by adjusting management practices.	Help farmers understand the purpose and benefits of having a nutrient management plan, and provide support for improvements to farming operations.	Support nutrient management group in the Nukuhou Catchment. Provide support for improving farming operations as appropriate (e.g. environmental programmes, farm walk-overs).	\$5,000 plus staff time funded from Eastern Activity budget.	A healthy environment, Freshwater for life.
Waiotaha Catchment	A health warning at the Waiotaha Estuary pipi beds has highlighted contamination by faecal coliforms, which have been DNA traced back to a ruminant source. The catchment is predominantly in dairy farms. Farmers in the catchment have established a water quality group to address and manage sources of contamination, with Regional Council support around water quality monitoring, science and land management support.	Council is providing support to farmers in the catchment to reduce faecal contamination of waterways leading to the Waiōtahe Estuary. This support includes improving knowledge around nutrient management, surface run-off and contamination, identifying sources of contamination, establishing environmental programmes and generally supporting with technical and science information.	Implement the action plan developed in 2017/2018 to reduce faecal contamination in the catchment: <ul style="list-style-type: none"> • Implement Farm Environment Plans and provide funding support where appropriate and available. • Provide support to landowners through the catchment water quality group. • Maintain water sampling regime in the catchment and report results to the catchment water quality group. • Improve knowledge with regard to E coli behaviour in the environment with a view to reducing contamination. • Explore tools and options for managing sources of contamination and implement, with an initial focus on straightforward options. 	\$20,000. Noting that some of this work may be funded through the sustainable land use funding.	A healthy environment, Freshwater for life.

Project	Background	Description	KPI / Deliverable	Budget	Link to Outcomes
Working with primary sector industry partners	Primary sector agencies are a key support network for information transfer and behavioural change for farmers. Opportunities arise for the Council to attend different events and share information, or influence the content of some events to promote positive change or uptake of incentives.	Attend discussion group days for farmers – specifically in the Waiōtahe, Nukuhou River and east coast area.	Attend as many events as possible.	\$2,000. Staff time only, funded from Eastern Activity budget.	A healthy environment, Freshwater for life, A vibrant region.
Maritime - Navigation Safety and Maritime oil spill response (and BAU)	BOPRC is the statutory and regulatory harbour authority. The Bay of Plenty Harbour Limits include the Tarawera, Whakatane, Waioeka river mouths.	BAU activities are detailed in Appendix 1.	See Appendix 1 maritime BAU.	N/A.	Safe and resilient communities.
Kotahitanga Strategic Engagement Maori Policy Mātauranga Māori Project (He Korowai Matauranga)	The Mātauranga Māori project was approved by Council through the LTP in June 2015. The framework (He Korowai Matauranga) project is due to be completed in October 2017. Mātauranga Māori is a legitimate system of knowledge supported by Tikanga Māori (customs), whakapapa (genealogy) and experiences of Māori. Council has legislative obligations to provide for the role of tangata whenua as Kaitiaki in its processes and practices. National Policy Statements (Fresh Water and Coastal) give clear directions about the importance of Māori values and interests. Māori values are underpinned by Mātauranga Māori.	The purpose of the project is to identify Mātauranga Māori concepts and practices to help develop and produce the Mātauranga Māori Framework for BOPRC. The objective is to foster relationships, to find common goals, to ensure Mātauranga Māori is valued and utilised according to its intention. The project will investigate how Mātauranga Māori can be used alongside western science as a dual process.	The Mātauranga Māori Project team has completed the information gathering and engagement phases of the project. Currently the team is in the midst of drafting the implementation plan for He Korowai Mātauranga Māori, this will be completed by end of August 2018.	\$40,000 annually for two years and \$27,000 contribution from CIF (region-wide budget).	A healthy environment, Freshwater for life, A vibrant region.

Project	Background	Description	KPI / Deliverable	Budget	Link to Outcomes
Maori Policy	Provide advice, support and leadership on Maori relationship management, Maori engagement, Treaty of Waitangi implementation (co-governance forums, protocols) and Iwi/Hapu Resource Management Plans.	Māori engagement activity benefits the regional community by ensuring that Māori are effectively engaged in decision making and that our planning frameworks meet our statutory obligations.	Number of updates given to the Council on Treaty settlements and implications.	Staff time only (x3 staff).	A healthy environment, Freshwater for life, A vibrant region.
Community focused Funding	Council's community focused funding is available to support projects in the catchment. The funds are: Environmental Enhancement Fund, and Community Initiatives Fund.	Grow the number of projects from the community to encourage more involvement with Council and their catchment.	Increase the number of projects approved and supported percentage of completed projects that have achieved their measured goals.	Staff time only (x3 staff)	
Regulatory Compliance work (BAU): compliance monitoring, complaint response and enforcement.	Regulatory Compliance Team core work involves monitoring consents, implementation of regional plan and National Environmental Standard requirements, responding to complaints/incidents (often received via a 24 hour Pollution Hotline) and, in cases of serious breaches of regional plan rules or the RMA, investigating and/or undertaking enforcement action.	Regulatory Compliance work (BAU): compliance monitoring, complaint response and enforcement. Compliance staff undertakes monitoring of consents as per the Council Monitoring Policy. Also undertake auditing of selected forestry operations as allowed for by the National Environmental Standard for Plantation Forestry. Any complaints which directly impact on the Eastern catchments will be responded to. Enforcement action is considered on a case by case basis dependent on the seriousness of the breach.	Compliance and impact monitoring of sites/ consents to be in accordance with the inspection frequency detailed in the RMA Charges Policy 2018/2019. Long Term Plan KPI: All urgent complaints to the Pollution Hotline are responded to within 12 hours.	Staff time only, funded from Regulatory Compliance budget. Charges for consent monitoring are recovered from the consent holder, as set out in the RMA Charges Policy 2018/2019. Staff time undertaking NESPF auditing is charged directly to the forestry company.	A healthy environment, Freshwater for life.

Project	Background	Description	KPI / Deliverable	Budget	Link to Outcomes
Consents Current and renewal applications in the Eastern Catchments Area.	This activity processes and makes decisions on resource consent applications under the Resource Management Act 1991 and/or rules in our regional plans, ensuring statutory requirements are fulfilled and a fair process for decision-making is followed. This Activity also provides advice and information to resource users about regional plan requirements and consents.	The Resource Consent activity processes and makes decisions on resource consent applications under the Resource Management Act 1991 and/or rules in our regional plans, ensuring statutory requirements are fulfilled and a fair process for decision-making on regional natural resource use is followed.	Long Term Plan KPI: 99% of applications processed within statutory timeframes.	Staff time only	A healthy environment, Freshwater for life.
Rivers and Drainage River scheme operation and management Planned maintenance works	This activity involves ownership, management and maintenance of the Whakatāne-Tauranga Rivers Scheme, Waioeka-Otara Rivers Scheme, Waiotaha River and Drainage Schemes, Huntress Creek Drainage Scheme, and non-scheme works. It provides flood protection, stop banks, flood pump stations, floodgates and erosion control structures and constructing flood ways.	Scheme operations and management: <ul style="list-style-type: none"> • Provide river and stream management advisory services to landowners (region-wide). • Undertake gravel management operations, including resource consent renewals and allocating extractions to commercial operators. • Undertake Asset Management Plan updates including annual revaluations. • Manage activities associated with Floodway and Drainage Bylaws. • Undertake asset condition assessments. 	Upgraded Asset Management System in place by year end. Long Term Plan KPI (region-wide): 90% of maintenance, flood repairs and renewals completed in accordance with the Rivers and Drainage Asset Management Plan and agreed work programmes.	Total operating budget for Eastern Catchments 2018-2019: \$4,063,220 Tarawera component of the Rangitāiki-Tarawera Rivers Scheme: \$231,870. Whakatāne-Tauranga Rivers Scheme: \$2,559,341. Waiotaha River/Drainage Scheme and Huntress Creek Drainage Scheme: \$243,027. Waioeka-Otara Rivers Scheme: \$1,028,982. Works outside the schemes (region wide and not included in total operating figure above): \$188,107.	Safe and resilient communities, A vibrant region, A healthy environment.

Project	Background	Description	KPI / Deliverable	Budget	Link to Outcomes
		<ul style="list-style-type: none"> Works outside the schemes (stream bank repairs, riparian plans, tree clearing). Planned asset maintenance work as per the Rivers and Drainage Asset Management Plan			
Rivers and Drainage Capital Projects 1 April 2017 Flood Repair Project. 2 Whakatane River urban stopbank raising (Stage 1 – Quay Street).	In early April 2017 the weather associated with ex-Tropical Cyclone Debbie and Cyclone Cook resulted in significant damage to river and drainage networks and assets across the region. 520 flood damaged sites have been identified with an estimated repair cost in excess of \$45M. Within the Eastern Catchments there are 108 Whakatāne-Tauranga sites, 59 Waioeka-Otara sites and 31 Waiotaha sites. All flood repair works are expected to be completed by 30 June 2021. Some sections of the Whakatane River stopbank between the Yacht Club and the Mataatua Boat Ramp do not have the full 800mm of freeboard and need to be raised to meet the design standard of 1% AEP + 800mm freeboard.	Undertake flood repair works associated with the Whakatāne-Tauranga and Waioeka-Otara Rivers Schemes (Note: although no work is planned to be undertaken in the Waiotaha River and Drainage schemes in 2018-2019, where appropriate minor flood repair works may be completed in conjunction with annual maintenance works). Modelling and floodwall/ stopbank raising to meet design standard along Quay Street.	100% of high priority flood repair sites in the Whakatane-Tauranga and Waioeka-Otara Rivers Schemes completed. Complete repairs to 35 Whakatāne-Tauranga Rivers Scheme flood damaged sites. Complete repairs to 17 Waioeka-Otara Rivers Scheme flood damaged sites.	Total capital budget for Eastern Catchments 2018-2019: \$11,038,600 Whakatāne-Tauranga Rivers Scheme flood repairs: \$3,366,000. Waioeka-Otara Rivers Scheme flood repairs: \$1,234,200. Modelling \$102,000 Whakatane River urban stopbank raising \$357,000	Safe and resilient communities, A vibrant region, A healthy environment.

Project	Background	Description	KPI / Deliverable	Budget	Link to Outcomes
3 Quay Street and Kakaharoa Drive seepage trenches.	When the Whakatāne River is high the volume of water seeping through and under the stopbank is sufficient to cause road closures and business disruption. It is proposed to reduce the subsurface water pressure by installing a system of seepage collection trenches and pump wells along the edge of the road along the east end of Kakaharoa Drive and Quay Street.	Installation of seepage trenches and pump wells along three sections of concrete floodwall along Quay Street and Kakaharoa Drive.		Seepage trenches: \$275,400.	
4 Kopeopeo Canal Remediation.	The purpose of this project is to safely remove and store elevated levels of dioxin-contaminated sediment from 5.1 km of the Kopeopeo Canal using cutter suction dredge methodology. The project is due for completion in 2018/2019.	Complete the physical works stage of the Kopeopeo Canal Remediation Project.	Dredging of the original 5.1 km of canal completed by December 2018. Options investigation undertaken for Kopeopeo Canal extension west (canal to the west of SH35).	Kopeopeo Canal Remediation: \$5,400,000.	
5 Connor/Peterson Stopbank restoration (Waioeka-Otara).	The Connor-Peterson stopbank, located along Huntress Creek estuary of Waioeka River, forms part of the Waioeka Floodway that has activated regularly over the past couple of decades. Recent flood events have caused damage to the stopbank and shown that discrepancies in the level of the stopbank crest is creating uneven depths of flow.	Investigate and rebuild the Connor-Peterson stopbank and Baird's outlet structure.		Connor/Peterson stopbank restoration: \$102,000.	

Project	Background	Description	KPI / Deliverable	Budget	Link to Outcomes
6 Waioeka-Otara Rivers modelling.	Modelling required for Duke Street pump station upgrade scheduled for 2019/2020. Ten year reviews of all river scheme capacities are undertaken and stopbanks raised/ modified as required.	Modelling to determine pumping and storage requirements to meet the level of service and to prevent rural flows overflowing into the Ōpōtiki urban area stormwater network. Review of river scheme capacities for the Waioeka and Otara Rivers scheduled for 2018/2019.	Modelling report. Modelling reports detailing work to be undertaken in order to meet required capacity.	Duke Street pump station modelling: \$100,000. Capacity review modelling: \$102,000.	
Engineering Key Project River Scheme Sustainability. Whakatāne – Tauranga Investigation	The purpose of this project is to investigate alternative options to the management of a river scheme long-term.	Undertake a detailed investigation into options to reduce peak flood flows.	Detailed optioneering study by 31 October 2018.	\$50,000 plus staff time all funded from Regional Flood Risk Coordination Activity.	A healthy environment, Freshwater for life, Safe and resilient communities.
Engineering Geotechnical investigations into stopbank condition	As part of the infrastructure strategy thirty year plans were put in place to schedule works required. The infrastructure strategy currently includes estimates and projections of works required.	A region-wide investigation into the condition of all of the stopbanks in our river schemes. This project is designed to firm up projections from the infrastructure strategy, and plans for the works required.	Geotechnical report with recommendations for remedial works. Due 30 June 2019.	\$100,000 plus staff time all funded from Regional Flood Risk Coordination Activity.	A healthy environment, Freshwater for life, Safe and resilient communities.

Project	Background	Description	KPI / Deliverable	Budget	Link to Outcomes
Engineering River Groyne Trials – Raukōkore and Whangaparaoa Rivers	The Raukokore and Whangaparaoe rivers have been eroding their river banks during high river flows. This has resulted in significant amounts of farm land being lost.	The purpose of this project is to trial different river training methods to determine the most appropriate solutions for different situations. Monitoring is then undertaken on at least an annual basis to see how effective the solution has been. This data then helps inform future trials.	Trial groyne construction in selected locations.	\$76,000 plus staff time funded from the Engineering Activity.	A healthy environment, Freshwater for life, Safe and resilient communities.
Biosecurity	The Biosecurity Activity manages pests in the region through the Regional Pest Management Plan (RPMP). This includes surveillance and managing pest plants and animals, educating and advising landowners, and supporting national initiatives with external agencies such as Ministry for Primary Industries.	Business as usual includes regional surveillance, control work on pests classified as Exclusion and Eradication in the RPMP, and working with landowners to control Containment pests on their properties. We continue to support biological control research and undertake regional management, provide advisory service for pest management, and dealing with common issues in a coordinated manner.	Key projects implemented. A detailed report for the Biosecurity activity will be presented to RDD.	Exclusion/eradication pest work \$25,000. Containment pest plants \$52,320. Containment pest animals \$210,000. Marine pests \$10,000. Total Budget - \$297,320.	A healthy environment.

Financials

Bay of Plenty Regional Council Eastern Catchments Programme Budget 2018/2019	
Governance and programme management	?
Ōhiwa Harbour	\$118,000
Integrated Planning	\$60,000
Science	475,000
Coast Care	106,000
Eastern Catchments Land Management	720,000
Maritime	Existing budgets
Kotahitanga Strategic Engagement	Staff time only
Regulatory Compliance	Staff time only
Consents	Staff time only
Rivers & Drainage	15,101,820
Engineering	226,000
Biosecurity	\$297,320
TOTAL	17,047,140

Appendix 1:

Maritime Activity details

The Maritime Activity ensures navigation safety in navigable waterways, and maritime oil spill response in the Bay of Plenty region.

The Bay of Plenty Harbour Limits include the navigable river mouths within the Eastern Bay catchments (Whakatane, Tarawera, Waioeka) and Ohiwa Harbour.

Bay of Plenty Regional Council is the statutory and regulatory harbour authority, with responsibility for navigation safety managed by our Harbourmaster. These responsibilities include, but are not limited to:

- Marine oil pollution response, mitigation and clean up at Tier II level.
- Navigation Safety Bylaws.
- Pilotage, licensing and exemptions.
- Administration of the swing moorings.
- Administration of all the legislation governing use and behaviour on the regional waters. These are; the local bylaws, Maritime Transport Act 1994, Resource Management Act 1991 and the Local Government Amendment Act 1999.

This year's key projects:

- Update signage throughout region.
- Business as usual including (but not exclusive to):
 - Patrols to ensure education is provided and the bylaw is enforced.
 - Navigation Aids are functioning.
 - The Whakatāne Baris monitored and the public is informed if the state, i.e. can they be crossed or not.
 - Owner informed if state of river requires vessels to be moved.
 - Monitor moorings and ensure they are kept in service.

Long Term Plan KPI:

Percentage of time a 24/7 response for navigational incidents and maritime oil spills is in place – 99%.