



Rangitāiki-Tarawera Rivers Scheme Advisory Group

**Friday 06 May 2022
10:00am**

Mātaatua Room, Bay of Plenty
Regional Council Office

5 Quay Street
Whakatāne

Rangitāiki-Tarawera Rivers Scheme Advisory Group Meeting

Friday 06 May 2022 at 10am

Agenda

- 1 **Welcome / karakia**
- 2 **Apologies**
- 3 **Notes of previous meeting held 14 October 2021**
- 4 **Matters arising from previous meeting**
 - a. Flood repair works (20-year loan term)
 - b. Update on whitebait stands in the Rangitāiki River
- 5 **Engineering update**
- 6 **Operations update**
- 7 **Changes to the way BOPRC collects its rates**
- 8 **Finance report**
- 9 **Co-governance / community group updates**
- 10 **Online survey finding and terms of reference review**
- 11 **General business**
 - a. Gravel management
 - b. Asset management general business report
 - c. Communications update
 - d. Status report feedback
- 12 **Public forum**
- 13 **Meeting close / karakia**

Notes of the Rangitāiki-Tarawera Rivers Scheme Advisory Group meeting held at Bay of Plenty Regional Council's Whakatāne office, on Thursday 14 October 2021, commencing at 10am

Chair: Councillor Toi Iti

Advisory Group: Alan Law, Heyden Johnston (via VC), Leann Waka, Linda Virbickas, Peter Askey, Shona Pedersen, Michael Van Tilburg (Whakatāne District Council),

BOPRC Councillors: Councillor Bill Clark, Chairman Doug Leeder

BOPRC Staff: Chris Ingle (General Manager Integrated Catchments), Kirsty Brown (Rivers and Drainage Assets Manager), Jo Heath (Asset Management Coordinator), Bruce Crabbe (Rivers and Drainage Operations Manager), Andrew Pawson (Area Engineer), Dan Batten (Works Coordinator Rangitāiki), Mark Townsend (Engineering Manager), Charles Harley (Team Leader Eastern Catchments), Paula Chapman (Contract Project Manager), Charlotte Jones (Communications Advisor), Stacey Faire (Senior Planner Coastal – via VC), Mark le Comte (Principal Advisor Finance – via VC), Stacey Brooks (Asset Management Information Officer), Renee Prescott (Asset Management Information Officer)

Apologies: Councillor Alison Silcock (Whakatāne District Council).
For early departure - Leann Waka, Councillor Clark and Chairman Leeder.

1 **Welcome**

Councillor Iti welcomed everyone and opened the meeting with a karakia.

Kirsty Brown delivered a Health and Safety briefing, including a reminder of the COVID-19 requirements for the meeting, and within the Regional Council building.

Kirsty introduced Stacey Brooks and Renee Prescott, new members of the Rivers and Drainage Assets Team attending the meeting.

2 **Apologies**

Apologies were received as recorded above.

3 **Notes of previous meeting held 30 March 2021**

Resolved

That the Rangitāiki-Tarawera Rivers Scheme Advisory Group:

Confirm the notes of the meeting held 30 March 2021 as a true and correct record.

**Waka/Clark
CARRIED**

4 **Matters arising from previous meeting**

Funding of April 2017 Flood Repair Project - in response to a resolution at the 30 March meeting, the finance team circulated a memo to members explaining why a 20-year loan term was accepted for funding the April 2017 flood repairs. The memo also provided information on the scheme's capability to pay off debt earlier.

Mark Le Comte joined the meeting via VC to provide an overview of the response and answer any questions.

Key points:

- Long Term Plan submissions on the flood repair funding options were relatively evenly split between the proposed two options. Council decision was to proceed with Option 1 – carry out identified repairs as soon as possible with higher rates increase years one and two and then smaller increases from year three.
- The April 2017 flood damage repairs have been funded in three ways: flood damage reserves, insurances and government funding, and loans. Loan funding spreads the cost to the ratepayers over time (intergenerational equity).
- Council would normally use a 20-year loan term for rivers and drainage infrastructure, and a 10-year loan term for flood repair works. However, due to the scale of the April 2017 flood damage, Council directed staff to use a 20-year loan term for the repairs.
- To consider paying the loans off faster, Council would need to consult with ratepayers. Economic viability, affordability and equity issues would need to be considered by council before deciding to reduce the loan term.

Discussion followed on intergenerational equity, affordability, the opportunity to reduce debt while interest rates are low, the possibility of a 15-year loan term option, and the need to ask ratepayers what they want. The group made the following resolution:

Resolution: The Rangitāiki-Tarawera Rivers Scheme Advisory Group recommends that through the next Annual Plan consultation process Council reassesses the 20-year loan term for April 2017 flood repair works.

**Law/Virbickas
CARRIED**

Rangitāiki River Erosion report (Cardno) – this will be covered in Item 6: Capital work programme.

New whitebait regulations - prior to the meeting Hayden Johnston had requested a discussion on Regional Council's liaison with other river stakeholders (e.g. Department of Conservation) particularly in relation to whitebait structures and any potential conflict with the Flood Protection and Drainage Bylaws. Stacey Faire joined the meeting via VC to provide background and answer any questions.

Key points:

- Regional Council made a submission on the new whitebait regulations during the consultation process, which included on-line workshops. The regulations are nationwide so would be difficult to match the regulations to every region's planning documents.
- Stacey presented a PowerPoint slide showing where the Regional Coastal Environment Plan and the Regional Natural Resources Plan apply on the Rangitāiki River. Under the Coastal Plan any whitebait structures would require a resource consent. Under the Natural Resources Plan whitebait structures would be a permitted activity if specific conditions are met.
- There are no known whitebait structures on the Rangitāiki River, and whitebait stands are not a traditional way of whitebaiting in the river.
- Jo Heath advised that the Flood Protection and Drainage Bylaws do not control structures in the river, however if a structure is connected to the riverbank in the vicinity of a stopbank it would need a bylaw authority. The application would be assessed for impacts on the riverbank, berm area and stopbank.

Discussion/questions:

- Members questioned if there is a monitoring programme along the river for unapproved structures. Staff are up and down the river all the time and if anything is noticed it is investigated. Council's compliance staff also monitor consented structures to ensure consent conditions are being met.
- If whitebait stands started popping up along the river it could get out of hand very quickly. Staff assured members that if whitebait stands were built Council's consenting and bylaws processes would manage any issues.

Three Waters Reform

Prior to the meeting Alan Law had asked for information on the three waters reform and an email response was provided to members. Alan asked for confirmation that flood protection and land drainage assets were not part of government's three waters reform at this time. Item was added to General Business.

5 **Scheme annual report 2020-2021**

Kirsty Brown spoke to the annual report provided in the agenda pack.

Key points:

- The 2020-2021 Rangitāiki-Tarawera maintenance programme was delivered generally on budget and to programme.

- The 2020-2021 Rangitāiki-Tarawera capital programme includes large multi-year projects which are mostly on track with some programme slippage provided for through budget carry forward funding recommendations.
- **Operating revenue** was \$58,000 lower than budget, mainly due to lower than forecast interest rates (the call rate sat at 1.5% for the year) and reduced revenue from grazing licenses.
- **Operating expenditure** was \$409,000 higher than budget, mainly due to additional annual flood damage and asset defects work, and the effects of increased asset valuation.
- This resulted in an **operating deficit** of \$283,000
- **Capital revenue** was \$908,000 higher than budget, due to the inclusion of Flood Repair Project insurance recoveries and CIP funding for the Rangitāiki Floodway and Floodwalls projects.
- **Capital expenditure** was \$9,255 million lower than budget figure of \$21,858 million with the Flood Repair Project under budget and significant carry forwards into 2021-2022 proposed for a number of other projects.
- **Total reserve fund** opening balance of \$2,726,000 and closing balance of \$5,902,000 (increased by \$3,274,000).
- **Loan** opening balance of \$39,733,000 and closing balance of \$39,424,000 (decreased by \$310,000).
- **Asset valuation** as at 1 July 2020 of \$115.3 million with the 2021 annual valuation currently underway.

Discussion:

Project over expenditure was discussed, what happens when there is over expenditure on a project? Staff responded that from an operational perspective overspends are often a result of doing additional work e.g. if there is a machine onsite it is cost-effective in the long-term to undertake other work in the area. Another area that is resulting in over expenditure is the identification and repair of critical asset defects that are not in the work programme and often need to be acted on immediately.

Attendance: Councillor Clark left the meeting at 10:45 am.

6 Capital work programme

Mark Townsend spoke to the agenda pack report and delivered a presentation focusing on the scheme's capital works and the Rangitāiki River Erosion Report.

6.1 Capital projects

Key points:

- Work on the Rangitāiki Floodway progressing with Stage 7 nearing completion and Stage 6c 50% complete.
- Spillway consenting underway with construction scheduled for February/March 2023
- Stoplogs are needed at McCracken Road and McLean Road. Raising the road was considered, however the preferred option is swing gates as they don't require any major construction, are easy to operate, and don't require any machinery to put them in place during an event.
- The East Bank Road floodwall upgrade is almost complete.

- Staff are working with landowners affected by the College Road floodwall upgrade on preferred options. Some materials will be purchased this financial year with construction scheduled for 2022-2023.
- The Tarawera River left bank stopbank downstream of SH2/Matatā Road requires upgrading to achieve the 1% AEP level of service. Work this year includes consultation with landowners and geotechnical investigations.
- Planning for upgrade work on the Rangitāiki River lower left bank stopbank is underway again after this project was deferred in 2019-2020. Currently finalising design, including overlays in some areas to manage seepage issues.

6.2 Rangitāiki River Erosion Report (Cardno)

Mark Townsend explained that the Rangitāiki River Erosion Report prepared by Cardno has been reviewed by AECOM and various meetings have been held with Trustpower and Beca (Trustpower's consultants). The report's recommendation to the Consenting Authority was:

The CARDNO report does not provide any new or substantive information that was not already covered during the consenting process. Both parties identified erosion as a result of the modified operation regime, an agreement was reached during the consent process, and at this stage the CARDNO report does not quantify the amount of erosion along the Lower Rangitāiki River that supports a change to the existing erosion repair contributions from Trustpower to the Rangitāiki Tarawera Rivers Scheme.

Discussion:

- Members are pleased that this process has finally reached conclusion, even though not necessarily what was expected.
- The project cost just under \$100,000 and as it was considered a benefit for the whole region was funded from general rates, so no cost to the river scheme.
- How Trustpower's annual contribution to the scheme was calculated was discussed. Trustpower are required to contribute to relevant costs of operating, maintaining and repairing the Rangitāiki-Tarawera River Scheme based on a percentage for each of the three river reaches below the dam.
 - Reach 3 (Matahina Dam to Te Teko) – 25%
 - Reach 2 (Te Teko to Edgecumbe) – 15%
 - Reach 1 (Edgecumbe to river mouth) – 5%
- Staff estimated last year's annual contribution at around \$250,000, however would need to confirm this and get back to the group.
- Learnings from this process are being transferred within the region, and around New Zealand through the River Managers Group.

Attendance: Councillor Clark re-joined the meeting at 11:22 am.

7 Maintenance work programme

Bruce Crabbe introduced Dan Batten. Dan has worked for the Rivers and Drainage Operations Team in the Kaituna scheme for a number of years and has now taken up a new role as Works Coordinator for the Rangitāiki.

Bruce Crabbe spoke to the agenda pack report, and Andrew Pawson delivered a presentation highlighting a range of operational and maintenance work being undertaken within the scheme.

Key points:

- Council has been collaborating with Ngāti Manawa on how we manage the river systems, and getting their input into planned work within their rohe.
- In response to a question about the quarried rock procurement plan and rock stockpiles, Bruce explained that the sites were selected by where there was space available in areas where rock was needed for erosion repair work. The stockpile volume was determined by an estimation of the volume staff were confident would be used within a year. The stockpiled amount would be maintained – when rock is taken out for a job the supplier would replenish the stockpile.
- An area of gorse and blackberry on the right bank of the Rangitāiki River, below Te Teko, has been transformed with a grant from Trustpower for native plants. Work was undertaken in conjunction with landowners and Tāne Mahuta Forestry who are contracted to maintain the area for the next five years.
- A substantial number of stopbank defects have been identified through the Edgecumbe urban area as part of the asset condition and performance assessment process. These involve removal of large trees that are impacting on the structural integrity of the stopbank. This is going to be an ongoing project over a number of years. First site being the large trees at the Edgecumbe Domain.
- A floodgate trial is in progress on the Kopeopeo West Canal. One floodgate has been replaced with a gate that floats more easily, opens earlier and stays open at the top – all aspects that allow fish passage. The neighbouring floodgate will be replaced with a plastic gate (polyethylene). The performance of the two will be compared. Members commented that Council should be doing media releases on projects like this, profiling the good news stories to raise awareness of the work that is occurring.

8 **Item brought forward from General Business – Three Waters Reform**

The three waters reform was discussed in response to Alan Law asking for confirmation that flood protection and land drainage assets were not part of the reform.

Key points:

- Staff confirmed that flood protection and land drainage assets were not part of the reform.
- The government's three waters reform focuses on reticulated systems managed by district and city councils – drinking water, waste water, and stormwater. An agency has been created to set standards for these systems.
- Michael van Tilburg provided a Whakatāne District Council (WDC) perspective, advising that councils had originally been given the option to opt in or out of the scheme. WDC made a submission on the proposals, however felt that government had not provided adequate opportunities for consultation.

Attendance: Chairman Leeder left the meeting at 12:03 pm.

9 **Flood Repair Project update**

Paula Chapman spoke to the agenda report.

Key points:

- The Flood Repair Project programme of erosion repair work is almost complete with 20 repair sites remaining across the Whakatāne-Tauranga (15 sites) and Rangitāiki-Tarawera (5 sites) schemes.
- Of the total 224 sites originally identified for the Rangitāiki-Tarawera Rivers Scheme, work has been completed on 144 sites, 75 lower priority sites were reassessed as work no longer required, and five sites are outstanding to be completed by 30 June 2022.
- At commencement of the project the estimated total programme cost for the Rangitāiki-Tarawera scheme was \$26 million. Have spent approximately \$18 million to date and projected to spend \$18.6 million by the end of the project. As a result, the actual cost of the loan for the scheme will be less than first estimated.
- The claiming of eligible costs from central government has been ongoing as the programme has progressed, with Claim 14 recently submitted. The total amount received from central government to date, for the full programme, is over \$10 million. There will be one final claim made in July 2022.
- Three Infrastructure Insurance progress payments have been approved totalling \$3,600,000. In the next couple of months, the final claim will be submitted.
- Material Damage and Business Interruption insurance claim for all the pump damage has been settled and a total of \$1,501,719 received.

10 **Co-governance group update**

Councillors raised the need for better communications between the advisory group and the Rangitāiki River Forum. Also there are new treaty settlements in progress that will also create statutory co-governance forums associated with river management.

Council have been approached by certain iwi for representation on other river scheme advisory groups. A review of the advisory group terms of reference is proposed to help facilitate this representation.

11 **Members forum**

An update on implementation of the Flood Protection and Drainage Bylaws 2020 was requested, particularly in relation to ploughing in the lower Rangitāiki. Kirsty Brown responded that some aspects of the 2020 Bylaws require the development of additional rules and guidelines, and ploughing is one of these. Council has been trying to recruit an additional staff resource to focus on bylaw implementation, unsuccessfully to date.

12 **General business**

12.1 **General business report**

Kirsty Brown reported back on a question earlier in the meeting regarding Trustpower's contribution to scheme management costs. She advised that in 2020-2021 the annual contribution was \$254,000.

Kirsty took the general business report provided in the agenda pack as read. The report provided updates on the infrastructure insurance review, Safeguarding Our Stopbank Project, and a membership feedback survey. No discussion followed.

12.2 **Gravel management update**

Paula Chapman took the agenda report as read and highlighted the following key points:

- The Kopuriki Stream extraction consent expires this month. Working through process with Whakatāne District Council to enable on-site processing of material.
- Staff met with Ngāti Manawa representatives over the last few months on a wide range of topics, not solely gravel management. Staff are keen to understand Ngāti Manawa's aspirations for their rohe.

12.3 **River scheme website demonstration**

Charlotte Jones demonstrated the new look river scheme page on the Regional Council website and asked for members' feedback either after the meeting or via email/phone.

<https://www.boprc.govt.nz/environment/climate-change/flood-protection/rivers-and-drainage>

The new page pulls together scheme information into one place with the aim of building knowledge about scheme management through regular updates on work within the scheme (news stories, videos, photos). Site will be a useful tool for advisory group members to refer members of the public to for information on capital projects in the area. A registration process is being developed so people can receive notifications when a page is updated.

12.4 **Environmental data portal demonstration**

Mark Townsend demonstrated the new Environment Data Portal on the Regional Council website <https://www.boprc.govt.nz/environment/maps-and-data/environmental-data>

Members provided feedback that the river level information was hard to find.

Meeting closed at 12:32pm

Capital Works Programme 2021-2022

The following table outlines the Rangitāiki-Tarawera Rivers Scheme capital work programme for 2021-2022.

Budget figures are from the Long Term Plan 2021-2031 and revised figures incorporate carry forward funding from 2020-2021 and 2019-2020.

Rangitāiki-Tarawera Rivers Scheme Capital Budget for 2021-2022 (LTP Year 1 revised budget) is \$8,779,520



Project name and background	LTP Year 1 Budget 2021-2022	Revised budget 2021-2022	Milestones 2021-2022	Update February 2022
<p>April 2017 Flood Repair Project</p> <p>All flood repair works were planned to be completed by 30 June 2021, however five repair sites remain on the Rangitāiki River and these will be completed in the summer of 2021-2022.</p> <p>For information and updates visit the Project Page or www.boprc.govt.nz/our-projects/april-2017-flood-repair-project</p>	\$0	\$350,00 (carried forward from 2020-2021)	Remaining Rangitāiki River flood repair sites completed by March 2022.	Planning for site works is underway and work is expected to be complete by 30 June.
<p>Rangitāiki Floodway</p> <p>The Rangitāiki Floodway is designed to take pressure off the Rangitāiki River during flood events by diverting some of its flow. It is a multi-staged project that started in 2011 and is scheduled for completion in 2021-2022 with work now focused on the following:</p> <ul style="list-style-type: none"> • Completion of Stage 6c (stopbank improvements and raising on the right bank SH2/Awakeri Road to McLean Road). • Completion of Stage 7 (stopbank improvements and raising between Hydro Road and SH2/Awakeri Road left and right banks). • Stoplogs across McLean Road and McCracken Road – design and construction. • Spillway construction 	\$2,800,000	\$6,800,000 (includes \$4,000,000 carried forward from 2020-2021)	<p>Stage 6c and 7</p> <p>Completion of Stage 6c and Stage 7 works put on hold over winter.</p> <p>Stoplogs</p> <p>Roading Authority approval (Whakatāne District Council).</p> <p>Complete construction.</p> <p>Spillway</p>	<p>Stage 6c and 7</p> <p>Stage 7 is now complete and Stage 6c is on track to be substantially complete by the beginning of April.</p> <p>Stoplogs</p> <p>Stoplog design and procurement of civil works is underway.</p> <p>WDC are supportive pending final design.</p>

Project name and background	LTP Year 1 Budget 2021-2022	Revised budget 2021-2022	Milestones 2021-2022	Update February 2022
<p><i>Central Government Climate Resilience Funding has been approved for this project (for Stage 6 and Spillway construction).</i></p> <p>For information and updates visit the Project Page or www.boprc.govt.nz/our-projects/rangitaiki-floodway-and-spillway</p>			<p>Resource Consent approval.</p> <p>Complete construction.</p>	<p>Spillway</p> <p>Spillway design and drafting of the resource consent is underway.</p> <p>Steel fabrication work is expected to begin mid-year with construction on site now expected to start later in 2022.</p>



Stage 6C Earthworks

<p>Rangitāiki Floodwalls</p> <p>Three priority sites were identified as needing upgrading. One on West Bank Road (opposite Greig Rd) was completed in 2020/21. The remaining two are:</p> <ol style="list-style-type: none"> East Bank Road (Thornton) – construction commenced April 2021. 87-109 College Road – consultation and design in progress. Construction planned for 2022-2023. <p><i>There is also budget for this project in 2022-2023.</i></p>	<p>\$0</p>	<p>\$626,000 (carried forward from 2020-2021)</p>	<p>East Bank Road (Thornton) floodwall</p> <p>Complete construction by October 2021.</p> <p>College Road floodwall</p> <p>Complete consultation with affected parties.</p> <p>Resource consent application.</p> <p>Design completed by December 2021.</p>	<p>East Bank Road</p> <p>East Bank Road floodwall complete.</p> <p>College Road floodwall</p> <p>Consultation complete and preferred option selected.</p> <p>Consent drafting is underway.</p> <p>Detailed design has been completed.</p>
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Project name and background	LTP Year 1 Budget 2021-2022	Revised budget 2021-2022	Milestones 2021-2022	Update February 2022
				
East Bank Road Floodwall under construction		East Bank Road Floodwall complete		
<p>Tarawera River Stopbank Design</p> <p>The Tarawera River left bank stopbank downstream of Braemar Road requires upgrading to achieve the 1% AEP level of service. Work this year includes geotechnical assessment and analysis of the sections of stopbank to be upgraded.</p> <p>The construction phase is currently proposed during 2022 to 2024.</p>	\$51,200		<p>Geotechnical assessment.</p> <p>Consultation with affected parties.</p> <p>Resource consent application.</p> <p>Detailed design.</p>	<p>Geotechnical investigations are complete for the left bank.</p> <p>The results will inform design and the resource consent process.</p> <p>Right bank investigations are planned for next year.</p>
<p>Lower Rangitāiki Stopbank Upgrade (left bank)</p> <p>The Rangitāiki River Capacity Review identified that the stopbank on the left bank of the Rangitāiki River needs raising to achieve the 1% AEP design level. This work was initially planned for 2020-2021 but was deferred to 2021-2022 due to resource issues and in response to prioritising Government funded climate resilience projects.</p> <p>It involves stopbank raising and geotechnical seepage treatments on the left bank of the Rangitāiki River from the Thornton Road bridge to the residential properties before the boat ramp.</p>	\$952,320		<p>Consultation with affected parties.</p> <p>Cultural Impact Assessment and Archaeological Authority.</p> <p>Resource consent application.</p> <p>Tender in November 2021.</p> <p>Construction to commence January 2022.</p>	<p>Consultation, CIA and Archaeological Authority and resource consent are underway.</p> <p>Following geotechnical investigation and analysis the project scope has been adjusted.</p> <p>Physical works have been deferred to 2022-23 pending approval from Council for additional funding in the AP22/23.</p>

Project name and background

LTP Year 1
Budget
2021-2022

Revised budget
2021-2022

Milestones 2021-
2022

Update February
2022



Lower Rangitāiki River Stopbank Upgrade Project

Maintenance Programme 2021-2022

The purpose of this report is to provide an overview of the Rangitāiki-Tarawera Rivers Scheme maintenance work programme for 2021-2022

Maintenance work programme

Maintenance works comprise activities that ensure the drainage, pumping and river flood protection networks are operational and providing the agreed level of service. These activities are programmed through the Rivers and Drainage Asset Management Plan, taking into account asset lifecycles, and maintenance and inspection schedules. Maintenance programme budgets are set during the Long Term Plan and Annual Plan processes.

Scheme maintenance work includes:

- pump stations - operation, weed clearance, inspections and maintenance
- culverts and floodgates - inspections and maintenance
- stopbanks - inspections, maintenance, repairs, pest control
- river maintenance - pest plant control, vegetation maintenance, gravel beach shaping and overflow depressions, and habitat enhancement
- erosion control - rock refurbishment, edge planting, trenched willows, willow and vegetation maintenance
- annual flood damage repairs and flood response activities
- repairs to defects identified through asset condition inspections and assessments

Key projects in 2021-2022:

- Repairs to five annual flood damage sites – three on the Rangitāiki River and two on the Tarawera River. Noting that the annual flood repair allowance (\$200,000) is already over-subscribed for this financial year.
- Kopeopeo West Canal – trial of a heavy-duty polyethylene floodgate.
- Reid’s Central Canal - rock replenishment in the lower reaches – completed.
- Repairing high priority defects identified through asset condition assessments – Tree removal and stopbank restoration completed at Edgecumbe rugby fields and Ngahehu’s (left bank 18.2km) completed.
- Ongoing control of rabbits and pest plants, including Alligator weed (*Alternanthera philoxeroides*).
- Collaboration with iwi and hapū on work planned in their rohe.
- Funding application to Trustpower’s Rangitāiki River Environment Fund for native plants for another collaborative planting project. Second successful application (\$14,900 & \$7,800).
- Replacement of Awaiti Stream structure into Omehehu Canal and Orini Wetland structure into Reid’s Central canal, both with fish-friendly floodgates.
- Working collaboratively with Rangitāiki Hapū Coalition with tree removal and restoration, using native vegetation, and tidying up the river margins through Te Teko.
- Implementing the objectives of the Rangitāiki River Forum, contained within their river document [Te Ara Whānui o Rangitāiki Pathways of the Rangitāiki](#). Specifically, objectives 1 and 2 relating to protecting tuna (including enhancement and restoration of their habitat and migration paths) and creating, protecting and enhancing habitats that support indigenous species; and objective 7 relating to respecting the naturalness of the river landscape. Work includes fish passage through structures, habitat enhancement and native plantings.

Tree removal at Ngahehu’s, 14.7 km, left bank (below)



Trees along toe of stopbank (above)



Tree roots excavated – extends to well into stopbank (above)

Tree removal, Edgumbe rugby grounds, 9 km, left bank (below)



Tree roots excavated and vibrating roller compacting backfill to reinstate stopbank (above)



Seepage pressure relief well – allows seepage pressure to be released safely to ground surface (above)

Rock procurement to support community resilience

Last year Council approved a procurement plan for quarried rock material that resulted from a strategic

review of Council’s existing rock procurement practices. The purpose of the plan was to consider fixed term contracts for rock supply chain components to build community resilience and more certainty of supply at an agreed price. The initial stage proposed the establishment and supply of flood event safety stockpiles.

An Invitation to Negotiate (ITN) process was adopted that invited suppliers to submit best prices to supply and maintain designated Regional Council stockpiles, and also stockpiles at supplier recommended sites. The process concluded with resolutions from Council to enter into stockpile arrangements for the most cost-effective options.

In the case of the Rangitāiki-Tarawera Rivers Scheme, a stockpile of 5,000 tonnes of rock has been established at Hydro Road.

The purpose of the stockpiles is to support community resilience by having material on hand in flood events and allowing time for staff to plan subsequent work should it be needed. The material will also be available to support renewal and capital works as required. The rock material referred is not an additional cost and is included within existing budgets.

Additional to this all participating suppliers will be invited to enter into the Rivers and Drainage Panel supplier contracts for rock supply and transportation.

Maintenance programme budget 2021-2022

A budget summary table for the Rangitāiki-Tarawera Rivers Scheme maintenance programme is shown below. The annual budget figures include operational costs only and exclude non-operational costs (e.g. debt servicing and infrastructural asset insurance).

Rangitāiki-Tarawera Rivers Scheme Maintenance Works Programme Budget 2021-2022		
Rangitāiki River		Annual Budget
	General	\$16,500
	Lower Rangitāiki River (Mouth to Matahina)	\$403,900
	Upper Rangitāiki River and Tributaries	\$597,500
Tarawera River		
	Mouth to Kawerau	\$99,800
	Major canals, pump station and floodgates	\$54,930
Annual Flood Damage		
	Annual Flood Damage Repair Allowance	\$213,000
Rangitāiki-Tarawera Scheme Total		\$1,385,630

MEMORANDUM



To: Rangitāiki-Tarawera Rivers Scheme Advisory Group

From: Kirsty Brown
Rivers and Drainage Assets Manager

Date: 8 March 2022

File Ref: A4077653

Subject: **Changes to the way BOPRC collects its rates**

Since the Bay of Plenty Regional Council was established in 1989, its rates have been invoiced and collected by the seven city and district councils across the region.

From August 2022, Council will start collecting its own rates. The priority reason for the change is to become more transparent and accountable for the work we do.

Ratepayers will receive one invoice from Council in late August-September 2022, which will be due 20 October.

Andy Dixon, Council's Treasury and Tax Specialist, will be presenting an outline of the project to the group. This will include:

- Why Council is moving to rates self-collection.
- The changes ratepayers will see and the expected effect of those changes.
- Advantages of rates self-collection in the future.



Kirsty Brown
Rivers and Drainage Asset Manager

Kia rite mai i te panonitanga

Get ready for change



From July 2022 how your Bay of Plenty Regional Council rates are invoiced and paid is changing.

He aha ngā pānga o te panonitanga ki a koe

What the change means for you.

If you are a ratepayer, your Bay of Plenty Regional Council rates will no longer be invoiced by your city or district council. Instead, you will be invoiced by Bay of Plenty Regional Council and you will pay your rates directly to us.

He aha te take o te panonitanga?

Why the change?

We want to be more transparent and accountable for the work we do for you using your rates.

By invoicing you directly, you will have better visibility of where your money is spent to create a healthy environment, freshwater for life, safe and resilient communities, and a vibrant Bay of Plenty region.

He aha e whai ake nei? What happens next?



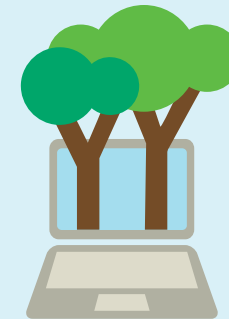
You can sign-up to pay by direct debit or get your rates invoice by email at any time

Your city or district council will continue to send you rates invoices for the services that they provide.

You can keep updated about the change in rates collection by going to boprc.govt.nz/rates or call our Contact Centre on 0800 884 880

Be green, go paperless.

Get your rates invoice by email.

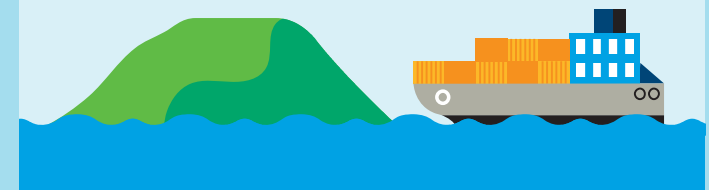


You can help us reduce the impacts of climate change by receiving your rates invoice and communications by email rather than via post. If you don't already get your invoice by email visit boprc.govt.nz/rates to sign up now.

Did you know...

Our work is funded by a mix of rates, fees, charges, grants and investment income. Through our investment in Quayside Holdings Limited

the average rates bill in 2021/22 was reduced by around \$350 per property, a significant saving for ratepayers across the region.



Ngā kaupapa e tautokohia e āu reiti

The work your rates help fund



Catfish removed from Rotorua Te Arawa Lakes

60,000*



Number of public transport trips taken

2.66M*



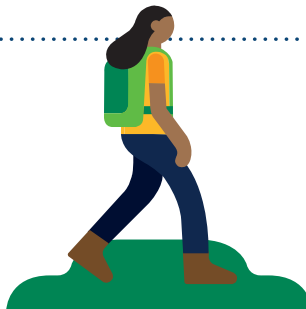
Water quality testing sites

270+



Natives planted for environmental protection

870,000*



Visitors to Regional Parks

120,000*



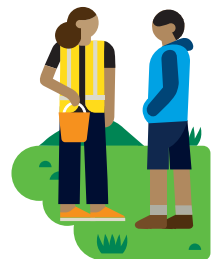
Spoke with

14,800*

harbour and lake users to educate them and keep them safe

Pollution hotline calls investigated

3,736*



Support of volunteer groups

50+



Inspections for pests

4,725*



Environmental consent checks

4,861*

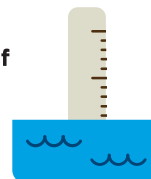


Stopbanks for flood protection

380km

Water level monitoring sites to protect against the impact of both flooding and droughts

680+



* Latest annual figures

What's the difference between the Regional Council and city and district councils?

We look after the environmental management of the region, including protection of the region's land, air and water. We also respond to pollution events and take a lead role in animal and plant pest management. We have an active role in minimising risks from natural hazards, making sure you're safe when on the water along our coast and on our lakes and rivers, and we provide public transport.

City and district councils deliver the services you use day to day. This includes quality drinking water, wastewater and stormwater, roads and rubbish collection, as well as providing community facilities such as parks, cycleways, community halls, libraries, swimming pools and sports fields.

Why do I have to pay rates to two councils?

Every council in New Zealand, including regional councils and city and district councils, collect rates income to help fund the work they're required to do by law.

Do I need to do anything right now?

The first Bay of Plenty Regional Council rates payment isn't due **until the end of October 2022**. If you already receive a city or district rates invoice by email you don't need to do anything. If you want to receive your invoice by email sign up at boprc.govt.nz/rates otherwise your rates invoice will be delivered by mail.

You can keep updated about the change in rates collection by going to boprc.govt.nz/rates or call our Contact Centre on **0800 884 880**



Bay of Plenty Regional Council - Toi Moana

Statement of revenue and expense: Rangitaiki-Tarawera Rivers Scheme

For the 6 months ending 31 December 2021

Line		Year to date		Variance		Variance commentary	Annual		Variance	
		Budget	Actual	\$	Variance indicator		Revised Budget	Forecast	\$	Variance indicator
		\$000				\$000				
Operating revenue by class										
1	General rates	212	212	0	-		425	425	0	-
2	Targeted rates	2,049	2,049	0	-		4,097	4,097	0	-
3	External interest income	17	0	(17)	Lower		35	17	(18)	Lower
4	Other revenue	2	14	12	Higher		90	101	11	Higher
5	Fees and charges	6	0	(6)	Lower		12	6	(6)	Lower
6	Investment income	345	345	0	Higher		690	690	0	Higher
7	Total revenue	2,631	2,620	(11)	Lower		5,349	5,336	(13)	Lower
Operating expenditure by class										
9	Administration expenses	2	11	9	Higher		3	12	9	Higher
10	Other expenses	184	178	(6)	Lower		452	461	9	Higher
11	Consultancy fees	0	3	3	Higher		0	3	3	Higher
12	Contract work	385	252	(133)	Lower	Budget expected to be over by year end due to condition defect repair works.	852	886	34	Higher
13	Depreciation and Amortisation	188	188	0	-		375	375	0	-
14	Subtotal - expenditure	759	632	(127)	Lower		1,682	1,737	55	Higher
15	Net overhead charges and recoveries	949	977	28	Higher		1,899	1,926	27	Higher
16	Total operating expenditure	1,708	1,609	(99)	Lower		5,263	3,663	(1,600)	Lower
17	Total operating surplus (deficit)	923	1,011	88	Favourable		86	1,673	1,587	Favourable

Year to date		Variance		Variance commentary	Annual		Variance	
Budget	Actual	\$	Variance indicator		Revised Budget	Forecast	\$	Variance indicator
		\$000			\$000			

18	Capital revenue by class								
	Capital funding	1,685	1,108	(577)	Lower				
19	Total capital revenue	1,685	1,108	(577)	Lower	4,347	1,616	(2,731)	Lower
20	Total surplus (deficit)	2,608	2,119	(489)	Unfavourable	4,433	3,289	(1,144)	Unfavourable

21 **Capital expenditure by project**

22	Rangitaiki Floodway & Spillway	550	1,774	1,224	Higher	Some delays with spillway design and product supply.	6,800	5,297	(1,503)	Lower
23	Rangitaiki Tarawera Capital Renewal	0	624	624	Higher		0	0	0	-
24	Rangitaiki Tarawera Flood Damage Repairs	0	1	1	Higher		350	263	(87)	Lower
25	Rangitaiki Floodwalls	0	586	586	Higher		626	630	4	Higher
26	Rangitaiki River (Stopbank upgrade)	476	4	(472)	Lower	East Bank Road floodwall complete. Expect procurement for College Road floodwall to be underway by the end of this financial year with works scheduled for the following year.	952	5	(947)	Lower
27	Rangitāiki capacity review	0	33	33	Higher		0	33	33	Higher
28	Tarawera stopbank upgrade	26	10	(16)	Lower		51	47	(4)	Lower
29	Rock stock pile Rangitaiki Tarawera	0	67	67	Higher		0	67	67	Higher
30	Total capital expenditure	1,052	3,099	2,047			8,779	6,342	(2,437)	Unfavourable

31 **Reserves**

	Opening Balance	Movement	Closing Balance		
32	Flood Damage Reserve	341	116	457	Funds available
33	Asset Replacement Reserve	1,405	(389)	1,016	Funds available
34	Works Reserve	1,555	298	1,853	Funds available
35	Total Reserves	3,301	25	3,326	Funds available

36 **Loans**

	Opening Balance	Movement	Closing Balance
37	39,424	(827)	38,597

38 **Asset Valuation**

	Balance 01/07/2020	Movement	Balance 01/07/2021
39	115,777	10,476	126,253

MEMORANDUM



To: Rangitāiki-Tarawera Rivers Scheme Advisory Group

From: Kirsty Brown

Date: 21 March 2022

Rivers and Drainage Assets Manager

File Ref: A4060505

Subject: Update from the Rangitāiki River Forum

To facilitate better communication flow between the advisory group and the Rangitāiki River Forum (RRF), following are topics of interest from the forum's meeting held 4 March 2022:

1. Verbal updates on the following items:

- Manawa Energy Ltd (previously Trustpower Ltd) - Update on Reconsenting Projects and Matahina Upstream Eel Passage Project
- Southern Generation Limited Partnership - Planned Sediment and Small Island Removal in the Rangitāiki River and the Upper Delta Areas of Lake Aniwanīwa.
- Update on Co-Governance Secretariat.

2. Membership Resignation

- The report seeks to advise of the resignation of appointed member Cr Stacey Rose, Bay of Plenty Regional Council Toi Moana; and to consider the appointment of a new Deputy Chairperson.

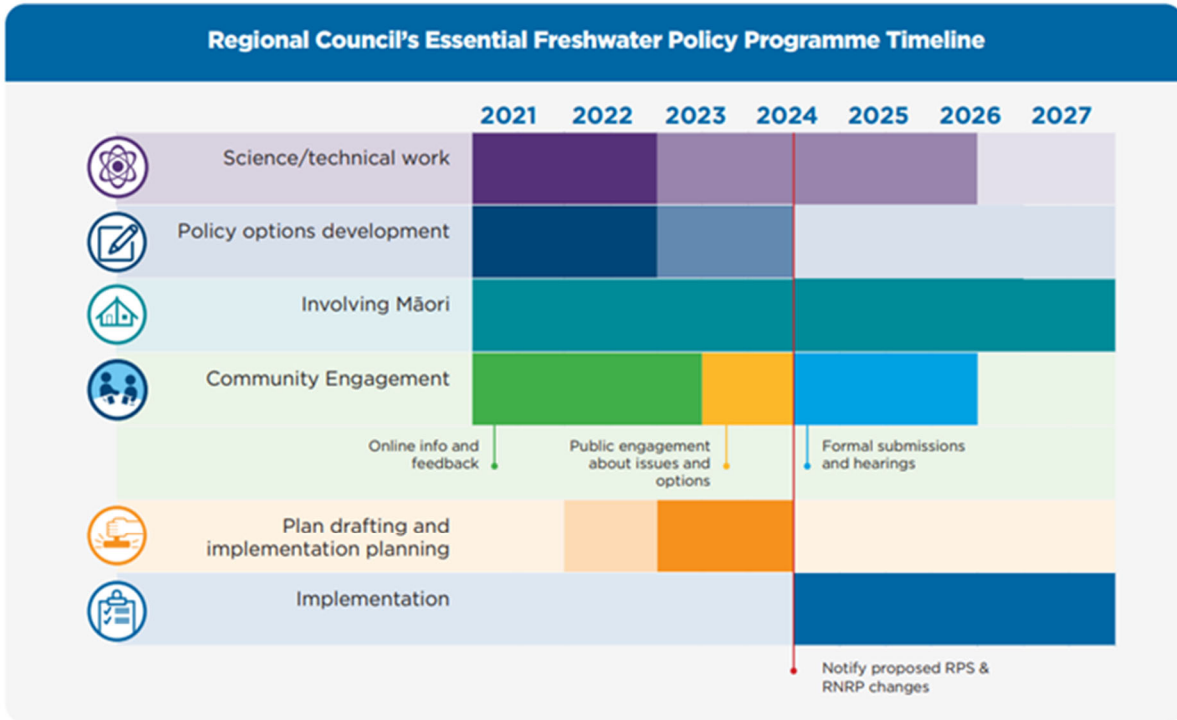
1. November 2021-February 2022 Rangitāiki Catchment Programme Dashboard Report

- Update on projects within the Rangitāiki Catchment Programme, Annual Work Plan 2021/22 as seen attached as Appendix 1.

4. Essential Freshwater Policy Programme 2022

- Outline of Toi Moana's Essential Freshwater Policy Programme (EFPP) for 2022 (as seen in Appendix 2) and opportunity to be involved.
- Update on mahi progressing the drafting of the Rangitāiki vision since the last hui in December 2021; and
- Update on national regulatory changes affecting the EFPP. These will primarily affect regional councils and include changes relating to:
 - How at-risk source water areas are delineated.

- How activities that pose risks to source water are regulated or managed.
- Protecting all registered water supplies (which will include any party who supplies drinking water to 1 or more other parties).



Notes: Dark coloured blocks show when the bulk of work occurs. Light coloured blocks show activity continuing.
 RPS = Regional Policy Statement & RNRP = Regional Natural Resources Plan

Kirsty Brown
Rivers and Drainage Assets Manager

Rangitāiki Catchment Programme Dashboard – November 2021-February 2022



Programme Manager		Charles Harley	As of Forum Meeting	4 March 2022	Green	Te Ara Whanui o Rangitāiki Actions	Programme highlights
Programme Sponsor		Chris Ingle	Previous RAG status	July–October 2021	Green	2.3	RPMP became adopted in full following final appeal being resolved in December 2021; Wallaby camera surveillance through Matahina Forest completed; work at Hinengawari Wetland started up at the end of January with local contractors (Waikakariki) being trained to carry out this work on their own whenua.
Category	Previous RAG Status	RAG Status Current	Comment on any RAG where status is not Green			Objective 7	Trustpower funding received for a collaborative native planting project with local iwi on the left bank of the Rangitāiki River downstream of Te Teko. Rangitāiki Floodwalls – East Bank Road floodwall upgrade completed. Rangitāiki Floodway Stage 7 is now completed.
Overall	Green	Green				3.2	Approximately 1.5 km of high risk pipes have been realigned based on CCTV assessment within the Murupara Wastewater network.
Schedule	Green	Green	Amber – schedule/scope slippage with the Murupara Wastewater Treatment Plan project and the Lower Rangitāiki River left bank stopbank raising project.			Te Ara Whanui o Rangitāiki Actions	Programme Updates
Scope	Green	Green				2.3	Wallaby camera surveillance through Matahina Forest – of 125 cameras only 2 cameras in close proximity at the southern end of Nursery Road recorded a single wallaby (it could be the same animal), sambar and red deer were present throughout the area, weka recorded on several cameras. Six cameras were stolen; further camera and dog surveillance planned for north and south of this area.
Resources	Green	Green				2.3	Climbing spindle-berry – carried out control work at current sites on farmland next to Rangitāiki River (across the river from Hinengawari) in November.
Budget	Green	Green				2, 3 & 4	Focus Catchment Upper Rangitāiki/Otangimoana – approximately 14 kms of fencing underway for 21/22; 45,000 riparian and wetland restoration plantings completed in Oct/Nov 21; plantings occurred later in the year to avoid late season heavy frosts. Work with the farmer catchment group is ongoing.
No.	Annual Work Plan Projects 2021/2022						
Shared			Scope	Budget	Schedule	5.5, 8.6	Lake Aniwanuiwa – Lake weed spraying completed in November 2021. BOPRC are working with Ngāti Manawa around some environmental/health concerns re the use of chemical control of lake weed; further control options are being investigated.
1	Te Hekenga o Tuna Plan		Green	Green	Green	Objective 1, 7.4	ATS (Kelly Hughes) is on track with his remediation work in the mid to upper catchment. Summer student was taught how to undertake the assessments and has used the learnings and moved onto the Ōhiwa Harbour catchment.
Bay of Plenty Regional Council			Scope	Budget	Schedule	2.1, 2.2, 2.3, 2.6, 5.5, 7.5	Freshwater Improvement Fund Wetland Restoration Project – fencing at Hinengawari is complete, Karamuramu fence is no longer required and the project team are working with Ngāti Manawa to determine best reallocation of those funds.
1	Biosecurity		Green	Green	Green	Objective 7	Repair to high priority stopbank defect sites progressing after weather held up work in spring; currently working on tree removal at the Edgecumbe Domain, this work has been challenging both technically and from a community relations perspective.
2	Coastal Catchments Land Management		Green	Green	Green	Objective 7	Fish friendly floodgate trial in progress on Kopeopeo West Canal, comparing two different types of floodgates.
3	Engineering		Green	Green	Green	Objective 7	April 17 flood Repair Project – repairs now scheduled to be completed by June 2022 due to detailed landowner consultation required for two of the sites.
4	Integrated Planning		Green	Green	Green	Objective 7	Rangitāiki Floodway – work restarted on Stage 6C in November following a pause in work over the winter months and is now 85% complete.
5	Rivers & Drainage		Green	Green	Green	Objective 7	Spillway Design – a draft resource consent application has been prepared, awaiting input of the final design. Physical works have been delayed with only the establishment work and off-site fabrication scheduled to commence before June 2022.
6	Science		Green	Green	Green	Objective 7	Stoplog design (McCracken and McLean Roads) – design is nearing completion, Whakatāne District Council are supportive in principle, pending final design.
Whakatāne District Council			Scope	Budget	Schedule	Objective 7	Floodwall remedial work – consultation with landowners is complete and the consenting process is underway.
1	Lake Aniwanuiwa (Aniwhenua) – Renewals budget (plus staff time)		Green	Green	Green	Objective 7	Lower Rangitāiki River Left bank stopbank raising (Thornton Beach Road) – project delayed, dependant on additional funding; Geotechnical analysis has revealed underlying issues with the existing stopbank and large sections will need to be replaced, this has resulted in a substantial change to the original scope and cost of the project. Council will consider additional project funding during the 22/23 Annual Plan process.
2	Edgecumbe Reserves – Renewals budget (plus staff time)		Green	Green	Green	3.3	Invertebrate surveys completed in 13 sites in the catchment, these will be processed and the results reported on the LAWA webpage; all other results for this monitoring programme are also on the Councils 'Water Quality' app.
3	Thornton Domain - Renewals budget plus staff time		Green	Green	Green	3.3	Fish survey in the planning phase, have contacted Ngāti Manawa to see if they have any staff interested in assisting; work planned for late March early April, but is also highly dependent on the COVID situation.
4	Murupara Wastewater Treatment Plan receiving environmental monitoring - \$25,000 (plus staff time)		Green	Green	Green	3.1, 4.1, 4.2	BOPRC NPS-FW Update – participate online freshwater values mapping and engaging tangata whenua on long-term vision development continues over summer.
5	Murupara Water Safety Plan Initiatives - \$300,000 (plus staff time)		Green	Green	Green	Objective 4	Eastern Bay Spatial Planning – budget and schedule currently being confirmed as part of initial project development.
6	Murupara Wastewater Network Inflow and Infiltration Strategy - \$100,000 (plus staff time)		Green	Green	Green	8.3, 8.5	Council's Community Safety Group met at the end of September 2021 to considered CCTV cameras from the Rangitāiki Community Board to address anti-social behaviour at Thornton reserve. This is possible but could be costly given connectivity issues with this rural location. The security of the cameras would also be of concern.

Objective ID:

Appendix 1

7	Three Waters Strategy – staff resources only	Green	Green	Green	8.3, 8.5	Toilet on Eastern side of the Rangitāiki river – WDC is presently working on a funding application to the Lion Foundation for submission by the end of February which includes funding for this project.
Taupō District Council		Scope	Budget	Schedule	3.2, 5.6, 7.5	Murupara Wastewater Treatment Plan – scope for engagement of future wastewater discharge consent on hold until working group established. Receiving environment monitoring continues; desludging of Murupara wastewater treatment plant is underway but delays in equipment due to supply issues; recommence proposed for April 2022.
1	District plan review	Green	Green	Green	3.2	Murupara Water Safety Plan Initiatives – annual testing of high risk backflow devices undertaken; 90% of the installation of pressure transducers and flow meter data loggers completed. Tender for the renewal of galvanised iron water pipelines to be awarded in Feb and works commencing soon after.
2	Maintenance of the northern part of Taharua Road, Matea Road, Matea Bridge and Rangitāiki School Road	Green	Green	Green	3.2	Murupara Wastewater Network Inflow & Infiltration Strategy – Inflow and infiltration strategy yet to be developed, assessment of CCTV work completed and a number of reticulation sewer pipe have been relined; a detailed programme still to be developed by end of May 2022.
3	Biodiversity Strategy	Green	Green	Green	2.3, 2.4, 6.2, 6.3, 7, 8.4	Taupō District Plan Review – Strategic Directions draft circulated, draft of the rural chapter nearing completion this will involve further discussion with the Forum; work continues on the other sections.
					2.1-2.4	Taupō District Council Biodiversity Strategy – awaiting the NPS Indigenous Biodiversity to be released by central government.
					Te Ara Whanui o Rangitāiki Actions	Programme Upcoming Activities
					2.3	Nationally funded wilding conifer control programme – control in DOC areas to commence in February/March. Planning has started for controlling the largest wilding pine infestation in the Otamatea area and is expected to be undertaken in 22/23.
					Objective 7	Rangitāiki Floodway Stoplog contract tendering process to commence in March; continuation of Rangitāiki Floodway Stage 6C and April 2017 Flood Repair physical works.
					3.2	Murupara Water Safety Plan – reticulated water supply early warning protocol will be developed by end May 2022; water main renewal tender to be awarded and galvanised pipes to be renewed.
					3.2	Murupara wastewater network – a detailed programme of works will be developed by end May 2022 based on CCTV assessment.

Essential Freshwater Policy Programme Update - 2021 and 2022

17 November 2021

	Deliverables		
Workstream/s	By December 2021 (delivered since programme launch, or soon to be delivered)	By March 2022 (to be delivered)	By December 2022 (to be delivered)
Design and integration	Draft RPS and RNRP National Planning Standards compliant structure established. <i>Integration work on draft chapter reviews has, e.g., checking consistency and removing duplication.</i>		Working draft version of RPS and RNRP change for engagement
RPS and RNRP chapter reviews	First working draft policy options for RNRP Integrated Management, Beds of Water Bodies, Discharges to Land and Water, Water Quantity and Allocation Chapters ready for tangata whenua, advisory panel and targeted stakeholder discussions.	First working draft policy options for RPS <i>Water Quantity</i> and <i>Water Quality and Land Use</i> chapters, and RNRP Kaitiakitanga, Wetlands, Land Management, and Natural Hazards chapters ready for tangata whenua, advisory panel and targeted stakeholder discussions.	Draft policy options for all RPS and RNRP chapters approved by Strategy and Policy Committee for public engagement in 2023.
National Objectives Framework: vision, values and outcomes	Draft Freshwater Management Units identified and on Essential Freshwater web page. Stocktake of information, and early thinking on options for vision and outcomes for all FMUs ready to discuss with tangata whenua. Range of options for Target Attribute State identified for all attributes at all long term monitoring sites. Consultant report on outstanding water bodies for landscape values.	FMU vision and outcomes discussions with tangata whenua underway. Key gaps briefed, such as small lakes definition, mapping and stocktake.	Draft vision and outcome statements, written as objectives in the RPS and RNRP, approved by Strategy and Policy Committee for public engagement in 2023
Water Quality and ecosystem health	Current state, baseline state, and trends for all attributes tabulated. Technical Memos on load limit estimates for estuaries and harbours delivered. Expert Panel deliver current state and sources/causes estimates for unmonitored water bodies.	Current state, baseline state and trends technical report and reporting tool online. Expert panel deliver estimated state under natural land cover. Technical work on load limits for lakes, and on nutrient exceedance criteria for periphyton reported. Technical work on load limits for rivers advancing. Technical memos on load limits for estuaries and harbours complete. Exploration of policy options to reduce contaminants and meet outcomes initiated.	Expert panel deliver estimated state under future scenarios and technical report on all findings. Draft policy options for water quality and ecosystem health approved by Strategy and Policy Committee for public engagement in 2023
Surface water quantity	Minimum flows for ecology report published. Surface water accounting tool delivered. Allocation efficiency report published.	Exploring draft policy issues, options and implications. Discussions with tangata whenua, advisory panel and specific stakeholders underway.	Draft policy options for water quantity (ground and surface water) approved by Strategy and Policy Committee for public engagement in 2023.
Groundwater	Groundwater modelling for all except Tauranga FMU complete and reported.	Progressing draft policy issues, options and implications report.	Groundwater modelling for Tauranga complete and reported.

Appendix 2

Kaupapa Māori	<p>Ngā Kaitohutohu start advising on Te Mana o te Wai approach.</p> <p>Many/most iwi and some hapū have provide some indication of how they wish to be involved in freshwater management. Work continues towards landing projects and procurement with iwi and hapū, supporting involvement in freshwater management in the way they wish to be involved. This includes – continuing to gather and express values, tohu/indicators, interests and aspirations via iwi management plans, engagement and other means; building RMA capacity and capability; vision and outcomes development; advice and feedback as policy options develop.</p> <p>Letters to iwi organisations inviting discussion about vision and outcomes.</p> <p>Initial discussions with Rangitāiki River Forum, Te Maru o Kaituna, and Te Arawa Lakes Strategy Group about vision and outcomes, and how these relate to Treaty Settlement Documents.</p>	<p>Series of initial information and exploration packages for tangata whenua engagement scoped, and some developed to support consistent engagement topics, messaging and exploration. Shared with Councillors.</p> <p>Iwi/hapū engagement continues, including sub-regional hui, and discussions with individual or groups of iwi and hapū.</p> <p>Work to support and encourage expression of Mātauranga Māori, tohu, mahinga kai values continues.</p> <p>Ngā Kaitohutohu starts to provide feedback and advice on how tangata whenua/cultural matters raised by iwi and hapū across the region are being addressed in policy options.</p> <p>Engagement advice and feedback considered and responded to in working draft policy options papers.</p>	<p>Strategy and Policy Committee approval to engage with the public in 2023/. Communications and engagement plan for 2023 provided, and includes expression of how iwi will partner in this public engagement.</p>
Communications and Engagement	<p>Participate BOP Freshwater values survey closes.</p> <p>Water quality data will be made available online shortly.</p> <p>TLA Forum and Rural and Environmental Organisation Forum continue to meet regularly for updates and advice.</p>	<p>Online engagement on vision, values and outcomes starts.</p> <p>Water Quality and ecology current state, baseline state, and trends for all attributes public and highlighted in Freshwater Flash.</p> <p>Technical reports made public.</p> <p>Web page upgraded.</p> <p>Discussions with TLA Forum and Rural and Environmental Organisation Forum advance on some working draft policy options.</p> <p>Focussed/ targeted discussions on specific matters start (e.g., contaminated land specialist feedback)</p>	<p>Strategy and Policy Committee approval to engage with the public in 2023 on draft policy options. Communications and engagement plan for 2023 provided.</p>
Socio-economic		<p>Initial socio-economic baseline report complete.</p>	<p>Initial assessment of socio-economic implications of policy options ready for community engagement in 2023.</p>

MEMORANDUM



To: Rangitāiki-Tarawera Rivers Scheme
Advisory Group

From: Kirsty Brown
Rivers and Drainage Assets Manager

Date: 23 February 2022

File Ref: A4042811

Subject: Findings from an online survey and Advisory Group's Terms of Reference Review

The purpose of this memo is to provide advisory group members with summarised findings from the recent online survey and to advise that the current Terms of Reference (TOR) for the advisory groups are under review.

1.1 Online Survey Findings

Members feedback regarding the advisory groups was recently sought via an online survey.

18 of the 34 members across all four advisory groups completed the survey, a 53% response rate. 3 out of the 7 members completed the survey for this advisory group.

Across all advisory groups, the summarised findings are as follows:

- 72% strongly agree that the advisory groups are working well.
- 67% strongly agree they are happy with the information received (via email) outside of meetings but to extend the information so that it is accessible to the wider community.
- There is a perceived disconnect between the river authority and the advisory group and a strong desire to improve and increase the flow of information between the two groups.
- About 66% agreed with the statement that mana whenua should be welcomed on the Rivers Scheme Advisory Groups.
- Comments were received regarding having to take time off work to attend meetings. Currently, members are volunteers without compensation.

For more information regarding the survey findings, see Appendix 1.

1.2 Terms of Reference (TOR) Review

Council adopted the current advisory group terms of reference in December 2016, following an extensive review and consultation process with stakeholders including the previous liaison group members. At its meeting held 30 September 2021, Council endorsed commencing a review of the 2016 TOR for the four-river scheme advisory groups. A working group consisting of Councillors Nees, Bruning, MacDonald, Clark, and Iti was established to support the review.

The purpose of the review is to:

- Confirm the purpose of the advisory groups remains appropriate in 2022.
- Consider how the groups might assist in achieving our Long Term Plan strategic impact areas: Partnerships with Māori, Climate Change and Community Participation.
- Address any other concerns from members on how the meetings currently work.

Advisory group members will be kept informed with the review's progress.

A handwritten signature in black ink, appearing to read 'K. Brown', written in a cursive style.

Kirsty Brown
Rivers and Drainage Assets Manager

Rivers Scheme Advisory Groups Online Survey Findings

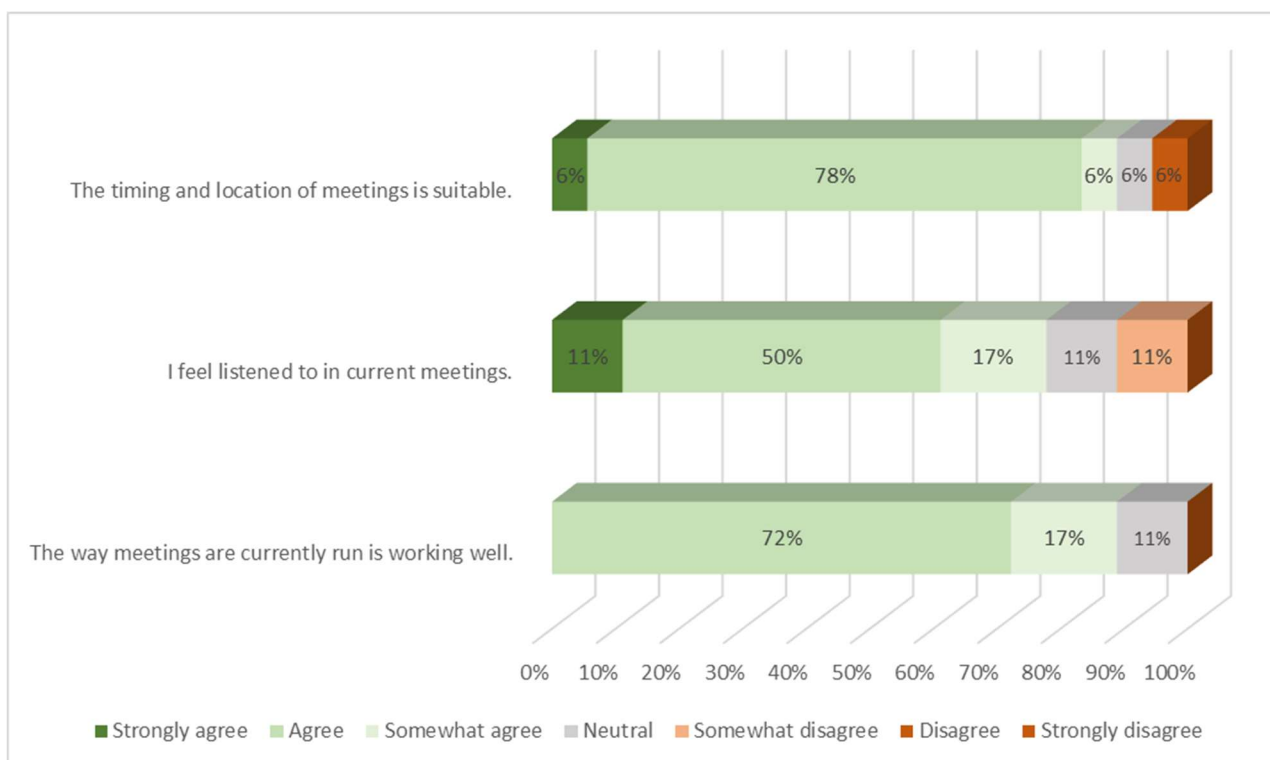
December 2021

Findings

An online survey was distributed to all River Advisory Group members, with the overall response rate of 53% (18/34 current members). Some questions were asked about the current (2016) Terms of Reference for the purpose of feeding into a review of these. Findings are presented below.

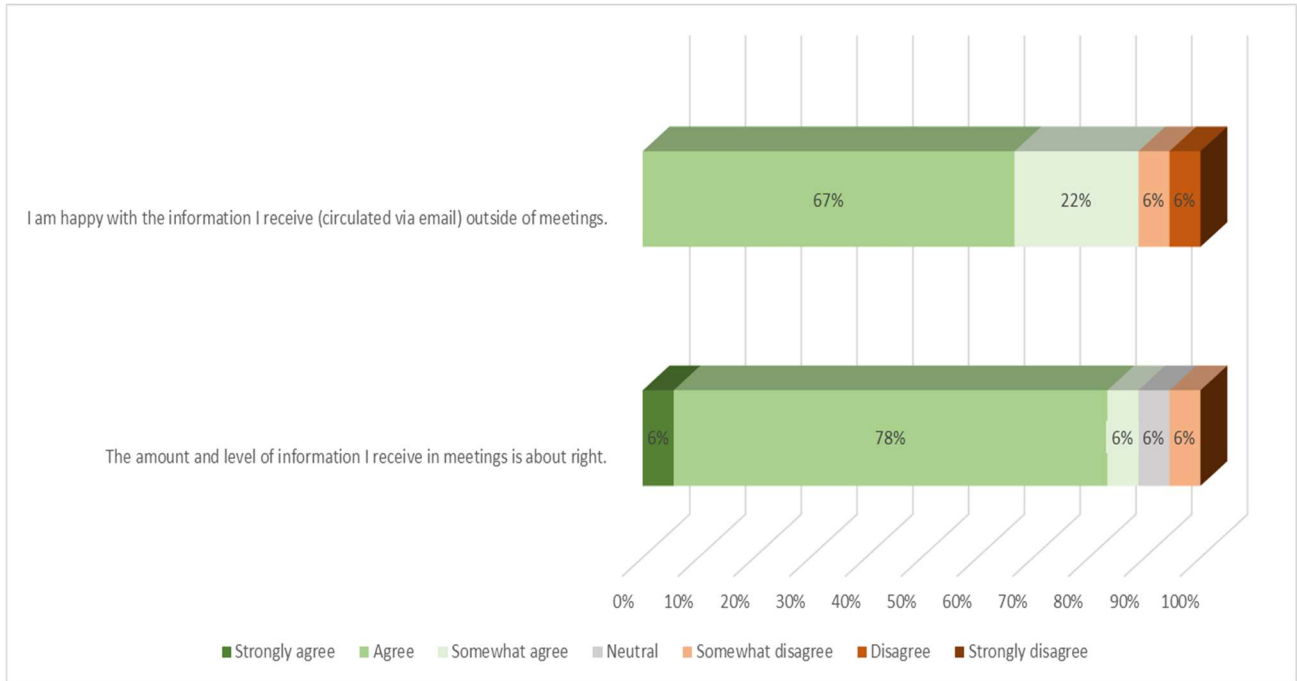
Satisfaction with meetings

The first three questions asked about the way meetings are currently run. Generally they were seen as “working well” (72% agree), the timing and locations was suitable (84% strongly agree or agree), and members felt listened to (61% strongly agree or agree). Other feedback was varied. Respondents highlighted that plenty of advance notice is given, there are respectful discussions even when views differ, good chairs and facilitation of group. Concerns were expressed about the time taken away from employment to attend and whether their input was making a difference.



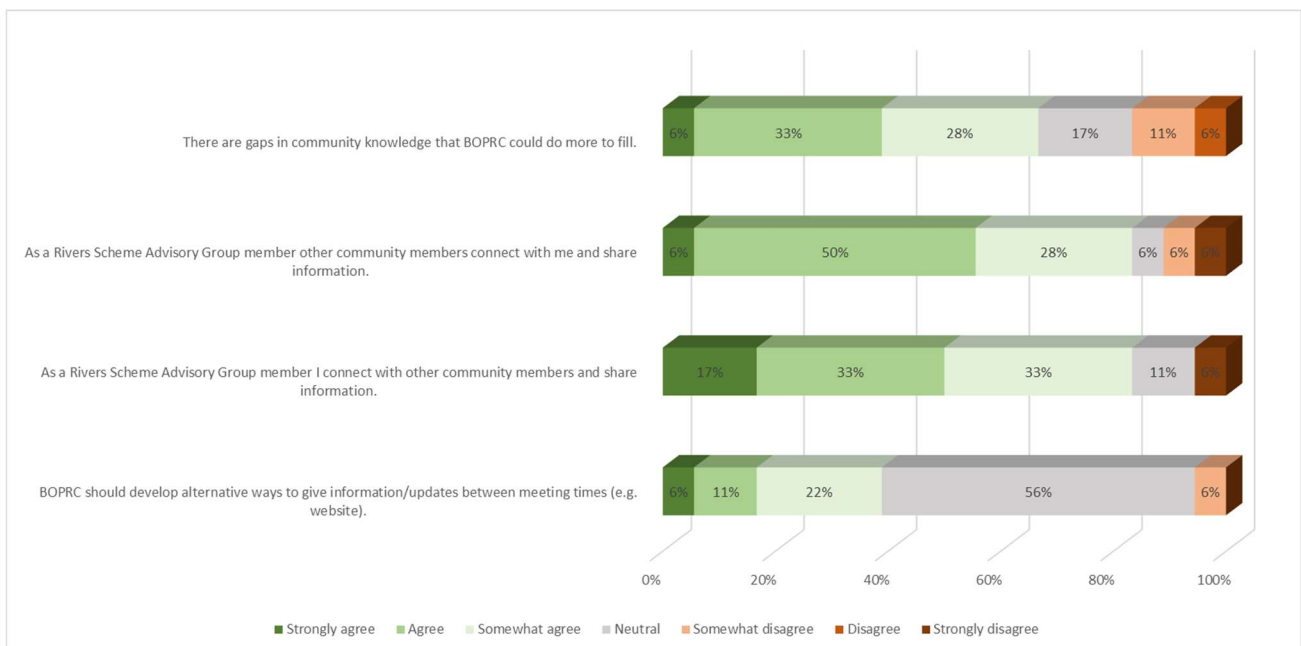
Information received

The next questions asked members to consider information flow. 67% strongly agreed that they were “happy with the information received (circulated via email) outside of meetings”. Additionally 84%, agreed that the amount and level of information received in meetings is “about right”.



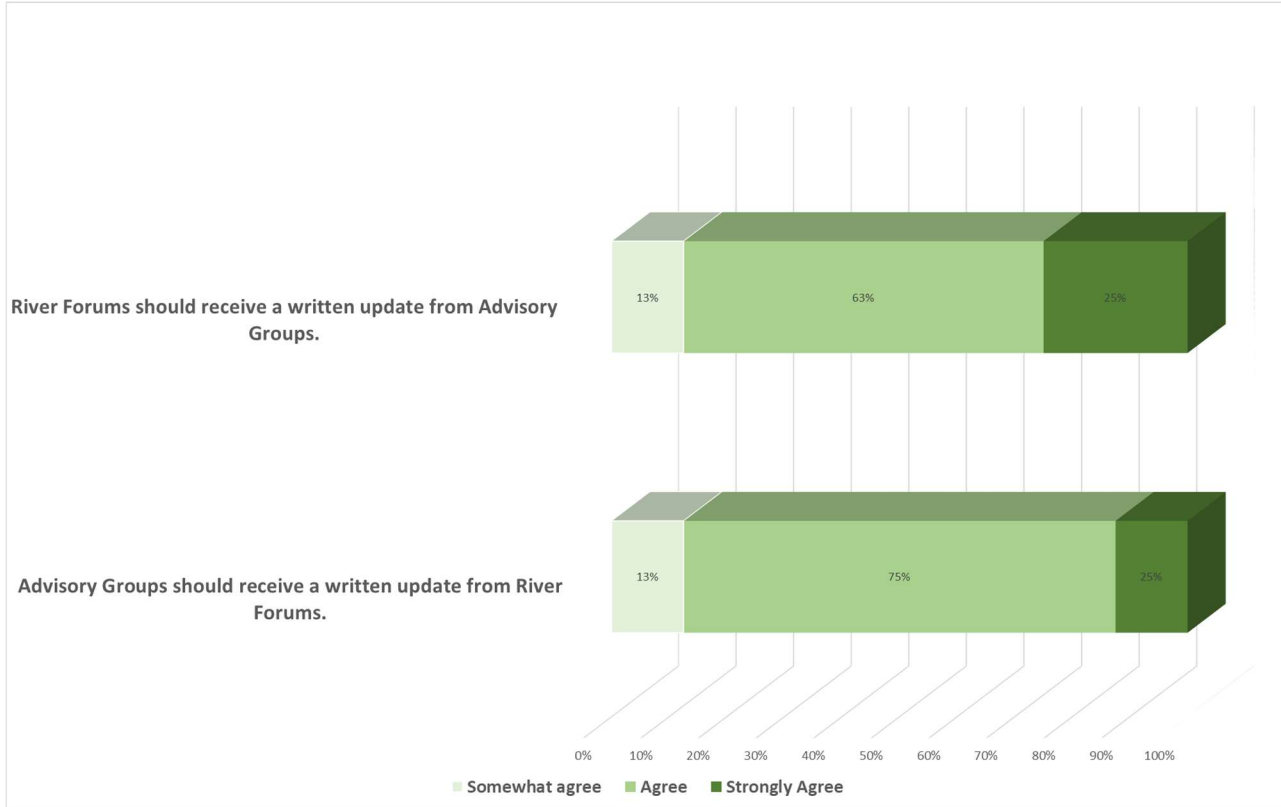
Information sharing

The next set of questions asked about sharing information. The responses showed sharing information is a key role of the River Advisory Group work and that there is an appetite for further extending the ways information is given out between meeting times, so that it is perhaps accessible to the wider community. While comments included affirmation of the sharing Bay of Plenty Regional Council currently does, other ideas included a website, a mail out of information, in order to allow wider understanding of the Schemes.

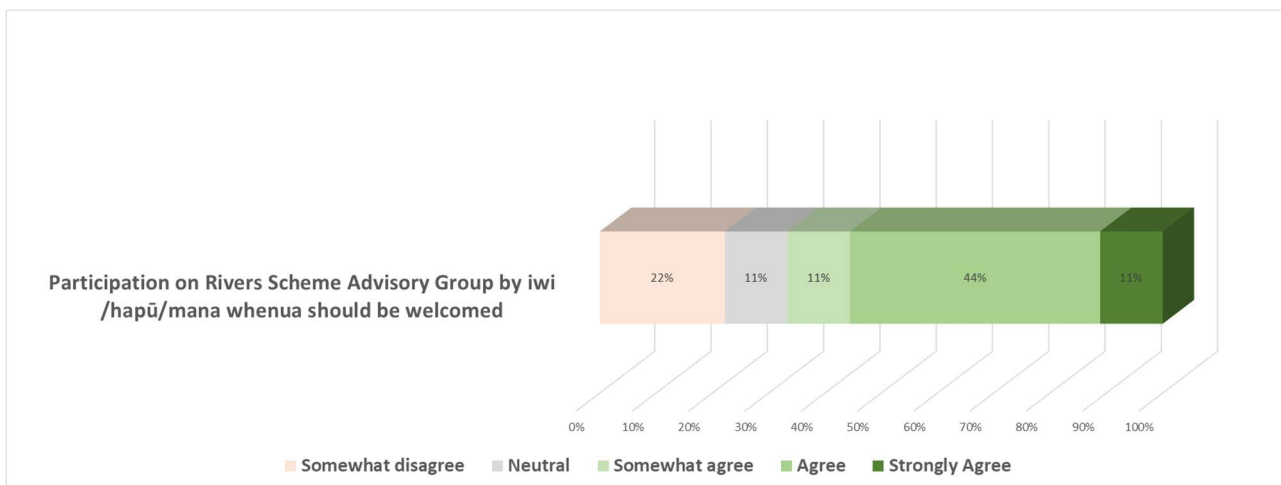


Engagement with River Forums

Kaituna Catchment Control and Rangitāiki-Tarawera Rivers Scheme Advisory Group members were asked specific questions about their engagement with the River Forums. They indicated a desire to improve and increase flow of information. 100% either somewhat agree/agree or strongly agree that Bay of Plenty Regional Council should ensure written updates are shared back and forth between the entities (see graph below).



Additionally, 66% agree (somewhat agree/agree or strongly agree) with the statement “participation on Rivers Scheme Advisory Groups by mana whenua should be welcomed”.



MEMORANDUM



To: Rangitāiki-Tarawera River Scheme
Advisory Group

From: Mark Townsend
Engineering Manager

Date: 24 February 2022

File Ref: A4043050

Subject: Gravel extraction in the Rangitāiki-Tarawera River Catchments

Gravel management in the Rangitāiki-Tarawera Rivers Scheme currently occurs in the Rangitāiki River upstream of Matahina Dam. No extraction is carried out in the reaches below Matahina, or in the Tarawera River.

The principal extraction at present occurs in the Horomanga River and the Kopuriki Stream. The primary interest in extraction is from Timberlands who use the material for forestry roading work.

1.0 Horomanga River – Gravel Extraction 2017-2022

Year	Quantity Allocated m ³	Quantity Extracted m ³
2017	19,000	12,834
2018	30,000	20,400
2019	76,000	56,353
2020	81,000	50,010
2021	40,000	32,655
2022	0	0



Photo 1 – Horomanga River

Based on recorded gravel extractions, and surveys, the calculated inflow of gravel since 2001 has averaged only 3,700 m³ per year. However, the riverbed is still severely perched over the four-kilometre reach above Galatea Road.

It is expected that to achieve a desirable mean bed level, of around one metre below surrounding farmland, significant extraction is required (about 270,000 m³) in the 5.3 km aggradational reach in the lower river. Extraction is supported by, to reach and maintain desirable bed levels (that limit both erosion and flooding) to maintain a stable river profile. The last bed survey was conducted in 2019 and the next one is scheduled for later this year (2022). While good progress has been made with extractions addressing the aggradation problem, visual inspections confirm the river bed is still reasonably perched. A full reassessment will be made once the 2022 survey data is available.

Late last year BOPRC, Ngāti Manawa and Timberlands staff met on staff to talk about extraction on the Horomanga. Ngāti Manawa were particularly interested in how extraction work might support the enhancement and development of Tuna habitat. A number of opportunities are being explored.

2.0 Kopuriki Stream Gravel Extraction 2019 - 2022

Year	Quantity Allocated m ³	Quantity Extracted m ³
2019	0	0
2020	22,000	5,444
2021	20,000	4,856
2022	0	0

In 2020 gravel extractions were approved for the Kopuriki Stream. Prior to 2020 there had been no gravel extracted since 2014. The Environmental Engineer notes that the Kopuriki streambed is extremely perched in places and should be dropped at least a metre in depth.

While no estimates of long-term supply have been made, significant resources now exist within the stream floodway. Any extraction should be focused on the lower reaches of the stream (i.e. cross-sections 1 to 4) and cross-sections 6 and 7, where bed levels are aggrading and large volumes have been gained over recent years.

Benefits to the river system of the extraction include:

- Reducing the potential for flooding from a severely aggraded stream;
- Reducing the potential for the stream to avulse (jump out of its bed and change course);
- Improving the flood carrying capacity of the Galatea Road Bridge.

The extraction contractor has gained consent from the Whakatāne District Council for land use consent to process gravel material on land adjacent to the stream.

Gravel extraction in this location has the support of the Ngāti Haka Patuheuheu (hapū of Ngāi Tūhoe).

3.0 Jones Drywash, Mangamate and Ohutu Streams - Gravel Extraction

There is currently no extraction in the Mangamate and Ohutu Streams and staff are comfortable with this. These two streams appear to be steep enough to transport significant quantities of gravel right through the system to the Horomanga River. Gravel continues to move down to the Jones Drywash area due to large upstream slips in heavy rain events. This dynamic situation needs to be closely monitored to avoid significant gravel build-up that may cause flooding or infrastructure damage.

Mark Townsend
Engineering Manager

MEMORANDUM



To: Rangitāiki-Tarawera Rivers Scheme
Advisory Group

From: Kirsty Brown
Rivers and Drainage Assets Manager

Date: 7 April 2022

File Ref:

Subject: General Business Update

1. Infrastructure Insurance

Findings from the recent flood risk assessment, undertaken by Aon and Tonkin & Taylor Ltd, was provided to group members via email on 12 November 2021. In summary:

- Council's current infrastructure insurance premium of approximately \$0.8M is currently the most cost-effective risk financing for flood losses.
- The actual 2021/22 premium was \$734,876.97. The proportion for the Rangitāiki-Tarawera Rivers Scheme was \$321,876 (split between the schemes by asset value).
- The current premium also provides cover for other natural hazard events (earthquake, tsunami, tornado, volcanic eruption).
- To self-insure, the modelling determined the minimum amount to self-insure for flood risk would be \$1M per year, but a more prudent reserve contribution would be \$1.5M per year.
- This would provide a 90% confidence level that retained risk can be financed over the long run.
- Based on this information the conclusion is to currently remain with the status quo, with professional insurers.

Careful monitoring and ongoing analysis of Council's asset risk, central government policies and local government reforms will be required. Updates to advisory group members will continue.

2. Grazing licence renewal

Rivers and Drainage Assets staff are currently reviewing the 32 grazing licences the Council has in place in the lower reaches of the Whakatāne, Rangitāiki and Kaituna Rivers. The licenses are a cost-effective way of managing the land use and maintenance of large river berms.

For this scheme, there are currently 10 licences in place covering a total of 46 hectares in the lower Rangitāiki River area.

The licence agreements support the ability of the land to convey flood waters while also supporting local farm production. Current licences expire in June 2022 and will be renewed for a further nine-year term. Negotiations with current licensees have commenced and it is likely that some licences will be tendered if they remain available after the negotiation process.

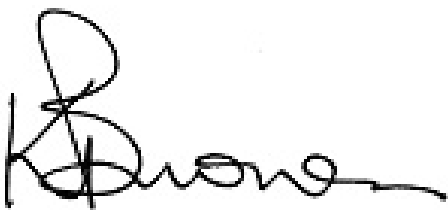
3. Review of the April 2017 Flood Repair Project

Christensen Consulting has been engaged by Council to review the programme of flood repair work completed following the April 2017 flood event.

A thorough review had been undertaken of the repair project which included meetings with elected representatives and Council staff, stakeholders, and the review of more than 25 reports and documents relevant to the project.

A draft report has now been received with the following key findings and recommendations:

- The project management processes, reporting and communication was found to be very thorough and was fundamental in the recovery of costs from insurers and Central Government funding sources.
- More involvement from wider stakeholders and technical disciplines including ecologists could have resulted in more consideration of mitigation requirements and different approaches being taken.
- The specifically mandated requirements for working with iwi partners in freshwater and river management has evolved significantly in recent years; especially through Te Mana o Te Wai and if a project of the scale was being undertaken today iwi would have much greater role in all aspects of the project.
- There is a greater appreciation and understanding of the tools available for providing more room for the river and using natural and nature-based flood risk management solutions for achieving effective and sustainable river management solutions.
- These solutions including levels of service and clear guidelines on triggers and scales of intervention need to be agreed with iwi partners, landowners, and wider stakeholders. This information would fit within the scope of the Rivers and Drainage Asset Management Plan, and it is recommended that this is updated to include specific details on the space the river can occupy and the levels of service for managing the position of riverbanks.



Kirsty Brown
Rivers and Drainage Assets Manager