



Kaituna Catchment Control Scheme Advisory Group

**6 September 2023
10:00am**

Waiariki Room
Bay of Plenty Regional Council
1118 Fenton Street
Rotorua



Kaituna Catchment Control Scheme Advisory Group Meeting

Wednesday, 6 September 2023 at 10am

Agenda

- 1 Welcome**
- 2 Apologies**
- 3 Notes of previous meeting held 15 March 2023**
- 4 Matters arising from previous meeting**
- 5 Long Term Plan 2024-34 and Rivers and Drainage Asset Management Plan 2024-2074 proposed changes**
- 6 Capital Works Programme**
- 7 Maintenance Works Programme**
- 8 Finance Report**
- 9 Te Maru o Kaituna River Authority update**
- 10 General business**
- 11 Public forum**
- 12 Meeting closure**

Kaituna Catchment Control Scheme Advisory Group

Meeting notes

Commencing:	Wednesday, 15 March 2023, 10.00 am
Venue:	Trustpower Baypark, 891 Truman Lane, Tauranga
Chairperson:	Cr Ken Shirley
Members:	Heather Brake, Roger Hintz, Barry Rodrick, Richard Weld, Deputy Major John Scrimgeour (WBOPDC), Nick Chater, Dean Flavell (Tapuika and Te Maru o Kaituna), Cr Andy Wichers (WBOPDC), Colin Armer (representing Dave Hurst),
BOPRC elected members:	Cr I J Nees
BOPRC staff:	Chris Ingle (GM Integrated Catchments), Kirsty Brown (Rivers and Drainage Assets Manager), Dan Batten (Rivers and Drainage Operations Manager), Mark Townsend (Engineering Manager), Bruce Crabbe (Principal Advisor), Kerry Smith (Area Engineer), Sharleen Augustus (Assets Management Coordinator), Laura Boucher (Comms Partner), Karlo Keogh (Senior Management Accountant).
Public:	Cor Verwey, Noel McLeod, Rod Bailey (representing Nathan York), Dave Marshall.
Apologies:	Cr Toi Iti, Dave Hurst, Graham Thompson, and Mark Townsend for lateness.

1. Opening Karakia

Opening karakia was provided by Dean Flavell.

2. Apologies

Apologies were received as recorded above.

3. Previous Meeting Notes

3.1 Resolved

That the Kaituna Catchment Control Scheme Advisory Group:

Confirms the Advisory Group meeting notes – 31 August 2022 as a true and correct record.

**Roger Hintz/Richard Weld
CARRIED**

3.2 Matters Arising:

Item 5 - Member questioned whether delayed CIP funding for Kaituna Mole and Ngongotaha projects had been received.

Item 4 - Staff confirmed pump station caretaker payments are currently being issued.

Items for staff follow up:

- Confirm whether CIP funding has been received.

4. Agenda items

4.1 Maintenance Works Programme Update

Presented by: Dan Batten, Kerry Smith, and Bruce Crabbe.
Agenda report taken as read.

Key Points:

- 2022/23 rainfall and pumping statistics, noting unprecedented rainfall, pumping hours and diesel costs.
- Kaituna River flowing half a metre higher reducing performance of gravity drainage.
- Overview of maintenance works programme to-date including Ngongotahā and Utuhina works.
- Overview of the findings and suggested improvements from the RiverSpace Ltd performance investigation for the drainage area comprising of Seddon Street, Lawler and Borough Drains. New pump station for Seddon Street underway. RiverSpace Ltd to continue investigating upper catchment issues.
- Staff working with First Gas regarding the gas line issues following the Auckland Anniversary weather event. It was noted that the line needs to be relocated before any repair works will be undertaken and First Gas is aware of this.

Key Points - Members:

- Farmers supplementing additional pumping at their own cost.
- Previous modelling for pump design has been inadequate.

- Te Puke stormwater having devastating effect on farms in the Lower Kaituna. Concern with the delay in getting a solution and the lack of resources and funds.
- Along with the Armer farm, the Vercoe and Marshall farms are also being significantly affected.
- Request for spare pumps to cover breakdowns.

Items for staff follow up:

- Contact First Gas to confirm relocation of gas line before repair works can be undertaken.
- Investigate the report of pine forestry in the upper Ohineangaanga Stream catchment.
- Contact Vercoe and Marshall farms and the wider farming community in the area.

10:30 - Mark Townsend entered the meeting.

4.2 Capital Works Programme Update

Presented by: Mark Townsend, Engineering Manager.
Agenda report taken as read.

Key Points:

- Update on Upper Kaituna modelling currently underway.
- Discussed Enabling Housing Act PC 92 which includes new medium residential standards for existing areas of Te Puke. This allows for no more than 3 residential units per site and imposes restrictions on impervious areas.
- Working with Western Bay of Plenty District Council to improve permanence of pumps and upgrade of canals to reduce flow higher in the catchment and lessen impacts downstream.
- Ōkere Falls water levels have been very high, and investigation is required regarding flood retention dams in the Te Puke area.
- Update on the Ngongotahā Stream mitigation project noting no agreement has been reached with A&P Showgrounds to gain landowner approval for the southern bypass.
- Overview of Bell Road modelling 5-year and 100-year Lidar flood inundation maps. Updated modelling report includes climate change effects has been reviewed by staff and is back with the modeller for amendment.

4.3 Finance Report Update

Presented by: Kirsty Brown
Agenda report taken as read.

Key Points:

- Revenue and expenditure update for the 6 months ending 31 December 2023.
- Total operation revenue \$35,000 higher than budget.
- Total operating surplus of \$879,000.

- Total capital revenue \$62,000 lower than budget.
- Total capital expenditure \$339,000 lower than budget.
- Total reserve funds available \$6 million.
- Internal loans closing balance as of 31 December 2022 \$8.3 million.
- Asset valuation as of 1 July 2022 \$87.6 million.

4.4 Upcoming Long Term Plan, Rivers and Drainage Asset Management Plan and Infrastructure Strategy Review

Presented by: Kirsty Brown
Agenda report taken as read.

Key Points:

- Three yearly reviews of Council's Long Term Plan, Rivers and Drainage Asset Management Plan and Infrastructure Strategy due to commence.
- Central theme will be supporting communities to be more sustainable and resilient.
- Requires shift in thinking for ongoing and future flood and river erosion works to enable the river to behave more naturally.
- Sought feedback from members how they would like to contribute to proposed changes and budgets.

Key Points Members:

- Agreed additional time will be set at the September meeting to discuss LTP.
- Need to encourage farmers to help themselves by improving access for Council staff.

Item for staff follow up:

- Changes to how river works will be managed, to be discussed at September meeting.

4.5 General Business

Presented by: Kirsty Brown, Mark Townsend and Laura Boucher
Report taken as read.

Key Points:

- Minor rating modifications to the Kaituna rating system are to be included in the Annual Plan rate strike as per Simon Harris' (LWP Ltd) review report. Reminded members that the Te Puke portion of the review was put on hold until optioneering process has been completed.
- Noted the written Catchment team update provided from Jackson Efford, Principal Advisor.
- Rainfall webpage tutorial phone demonstration by Mark Townsend. Communications team to provide further details on webpage.
- Communications update deferred due to meeting time constraints.

5. Public Forum

5.1 Okere resource consent – Richard Weld

- Questioned whether the current resource consent enables the closing of the Okere gates to allow time for the gravity drainage to flow and clear water.
- Staff responded that this was a complicated situation and could cause damage to downstream stopbanks.
- It was noted that rafting companies seriously affected with the high river flows.

Item for staff follow up:

- Staff to investigate and report back whether closing the Okere gates to allow gravity flow to improve is an option under the resource consent or could be undertaken as a one-off situation.

5.2 Slash and infrastructure – Barry Roderick

- Raised concern about slash and damage to infrastructure as seen during Cyclone Gabrielle.
- Staff reported that drone surveys of upper catchments has been conducted to identify areas of potential slash sites (industrial waste).
- Staff are collaborating with Western Bay of Plenty District Council to address slash on riparian lands.

5.3 Scheme and staff performance – Colin Armer

- Questioned elected members on how performance is measured at Council relating to the scheme performance and staff.
- Councillor Nees responded advising of the rigorous mechanisms within Council to measure performance through KPIs and reporting to Monitoring and Operations Committee.

5.4 Rangiuru Business Park

- Additional modelling underway to quantify the required mitigation measures due to unmanaged stormwater from the site. Likely that additional pump capacity will be required for Diagonal Drain Pump Station.
- Noted that additional drain desilting already required for Washer Road Drain.

5.5 Ford Road Pump Station Update

- Recently received additional modelling information, and the resource consent is due to be lodged shortly.
- No agreement has been reached with iwi at this stage.

5.6 Cor Verwey and Dave Marshall

- Questions raised in relation to the consenting and compliance function of Council which staff present were unable to address or comment.

6. Closing Karakia

Closing karakia was provided by Dean Flavell.

12.27 pm - the meeting closed.

CONFIRMED

Councillor Ken Shirley
Chairperson, Kaituna Catchment Control Scheme
Advisory Group

Action Sheet

Kaituna Catchment Control Scheme Advisory Group Meeting

15 March 2023

Action	Person Responsible	Completed	Comment
1 Confirm whether CIP funding has been received.	Karlo Keogh/Kirsty Brown	Yes	Refer to email sent 31 March 2023: <ul style="list-style-type: none"> • A total of \$1.1 million of CIP funding was received in the 2021/22 financial year for the Kaituna mole. • The Scheme also received \$137,933 from the insurance for the April 2017 flood event. • The CIP funding and the insurance recoveries was paid as a lump sum against the outstanding loan balance for the Scheme.
2 Contact Vercoe and Marshall farms and wider farming community	Dan Batten	Yes	Staff have been in contact and working with the wider farming community in the area.
3 Staff to investigate and report back whether closing the Okere Gates to improve gravity drainage is an option under the resource consent or could be undertaken as a one-off situation.	Dan Batten	Yes	Information provided to Richard Weld 30 June 2023.
4 Follow up with the First Gas in relation to the relocation of the gas line.	Mark Townsend	Yes	First Gas have been instructed to relocate gas line.

KAITUNA CATCHMENT CONTROL SCHEME MEETING NOTES - 15 MARCH
2023 - DRAFT

Action	Person Responsible	Completed	Comment
5 Rainfall webpage tutorial instructions to be provided to members	Laura Boucher/Mark Townsend	Progressing	Instructions being developed for webpage.

MEMORANDUM



To: Kaituna Catchment Control Scheme
Advisory Group representatives

From: Hemi Barsdell
Assets Management Specialist

Date: 31 July 2023

File Ref: A4447355

Subject: Long Term Plan 2024-2034 and the Rivers and Drainage Assets Management Plan 2024-2074

The purpose of this memo is to provide information on the proposed draft budgets for the Long Term Plan 2024-2034 and the Rivers and Drainage Asset Management Plan 2024-2074. These budget figures are still in their initial stages and will be further refined following this meeting and will be presented again at the March 2024 advisory group meeting.

Background

The Long Term Plan (LTP) is Council's key strategic document. It sets out Council's priorities for the next ten years, including what will be done, how much it will cost and how it will be funded.

The Rivers and Drainage Asset Management Plan (AMP) is a 50-year plan that provides information about the assets and how they are maintained and managed to provide levels of service. Information from the AMP feeds into the LTP.

Both plans are reviewed every three years alongside each other to make sure they are relevant and accurate.

Proposed Operations Expenditure

Operational expenditure is required for the day-to-day operation of the rivers and drainage schemes while maintaining the current levels of service.

Generally, projected operations budgets will continue to be comparative with previous years' budgets, but with increases proposed as follows:

- Additional \$100,000 p.a. for asset defect remediation.
- Additional \$100,000 p.a. budget for Flood Protection and Drainage Bylaws 2020 compliance and monitoring.
- Additional budget for ecological offset work:
 - \$45,000 p.a. best practice drain enhancement.

- \$10,000 p.a. for riparian enhancement.
- Additional \$43,000 p.a. for electricity and diesel.

Approved draft LTP 2024-2034 operations budgets are still in development and we will share detailed information at the upcoming meeting in March 2024. The following table however, gives an indication of some of the forecasted expenditure that is proposed in draft.

NATURAL ACCOUNT	LTP 2021-2031 YEAR 1	LTP 2021-2031 YEAR 1 x CPI	DRAFT LTP 2024-2034 YEAR 1	Proposed change
2330 - Electricity/Gas	\$116,000	\$137,000	\$170,000	\$33,000
2500 - Contract Work	\$589,000	\$695,000	\$973,000	\$278,000
2700 - Materials	\$107,000	\$126,000	\$152,000	26000
Total maintenance costs (excludes overheads, salaries, depreciation, flood damage reserve and loan interest)	\$812,000	\$958,000	\$1,295,000	\$337,000

Capital Expenditure

Capital expenditure is the creation or replacement of assets; or works which improve or upgrade existing assets to meet level of service requirements.

The following table summarises the proposed capital expenditure for the Kaituna Catchment Control Scheme for the period 2024-2074. Please note that detailed planning is conducted for the Long-Term Plan period 2024-2034 while costs become more indicative in the years beyond and are more subject to change.

Kaituna Catchment Control Scheme			
Year	Capital works	Type	How much
Year 1 (2024-2025)	Ngongotaha stream mitigation	New	\$2,500,000
	Upper Kaituna stopbank upgrades	New	\$480,000
	Fish passage enhancement	Improvement	\$30,000
	Te Puke Stormwater	Improvement	\$3,380,000 (*)
	Ford Road Pump Station	Replacement	\$2,160,000
	Bell Road C electrical upgrade	Improvement	\$300,000
	Ohineangaanga construction	New	\$1,000,000
	Capacity review – hydrology	Improvement	\$50,000
	Canal stopbank construction	Improvement	\$1,000,000
			TOTAL: \$10,900,000

(*) Council approval is being sought to bring forward \$1.6million for the Seddon St Pump Station and riparian works project into 2023-2024.

Kaituna Catchment Control Scheme			
Year 2 (2025-2026)	Upper Kaituna stopbank upgrades	Improvement	\$430,000
	Maketu pump and electronics	Replacement	\$180,000
	Fish passage enhancement	Improvement	\$30,000
	Canal stopbank construction	Improvement	\$1,000,000
			TOTAL: \$1,640,000
Year 3 (2026-2027)	Diagonal pumps and electrical	Replacement	\$380,000
	Bell Rd B pumps and electrical	Replacement	\$75,000
	Fish passage enhancement	Improvement	\$30,000
	Resource consent	New	\$22,000
			TOTAL: \$507,000
Year 4 (2027-2028)	Bell Rd A pumps and electrical	Replacement	\$100,000
	Kopuaroa pumps	Replacement	\$90,000
	Resource consent	New	\$44,000
			TOTAL: \$234,000
Year 5 (2028-2029)	Okere Gates electronics	Replacement	\$50,000
	Raparapahoe drop structure	Replacement	\$340,000
	Resource consent	New	\$110,000
			TOTAL: \$500,000
Year 6 (2029-2030)	Ohau Canal structure	Improvement	\$870,000
Year 7 (2030-2031)	Ford Road pump station (removal)	Replacement	\$1,800,000
Year 8 (2031-2032)	No work planned	NA	NA
Year 9 (2032-2033)	Utuhina concrete wall	Replacement	\$340,000
Year 10 (2033-2034)	Capacity review – hydrology	Improvement	\$50,000
	Structure renewals	Replacement	\$1,000,000
			Total: \$1,050,000
TOTAL 2024-2034			\$17,841,000
Years 11-20 (2034-2044)	Capacity reviews/modelling and stopbank upgrades. Various replacements/renewals.	New, Replacements, Improvements	\$6,430,460
Years 21-30 (2044-2054)	Capacity reviews/modelling and stopbank upgrades. Various replacements/renewals.	New, Replacements, Improvements	\$9,042,820
Years 31-40 (2054-2064)	Capacity reviews/modelling and stopbank upgrades. Various replacements/renewals.	New, Replacements, Improvements	\$5,216,140
Years 41-50 (2064-2074)	Capacity reviews/modelling and stopbank upgrades. Various replacements/renewals.	New, Replacements, Improvements	\$5,737,460

Potential Future Financial Impacts

Proposed changes to the Regional Natural Resources Plan (RNRP) are being made to align with the National Policy Statement for Freshwater Management 2020. This alignment will include the incorporation of Te Mana o Te Wai as a central principle (for more information on Te Mana o Te Wai, please refer to the General Business Report, section 2). Consequently, there may be significant requirements imposed on the scheme concerning drainage water discharge quality and scheme maintenance.

The proposed changes to the RNRP are currently being discussed with communities across the Bay of Plenty region. These changes will be officially announced for public input in 2024. It's important to note that the outcome of this process could have substantial financial implications for scheme management.

Additionally, according to Aon Ltd, the BOPLASS insurance brokers, it is expected that there will be a notable increase for infrastructure insurance due to recent weather events, both nationally and internationally. A preliminary suggestion from Aon for the 2024-25 financial year, is to allocate funds for a potential 30% increase from the current year's premium, which amounted to \$247,000. The extent of this increase depends on global market conditions and insurers' risk tolerance and will be confirmed later in 2023.

Indicative timeline

- 6 September 2023 - Kaituna Catchment Control Scheme Advisory Group meeting.
- December 2023 - Council's adoption of draft LTP activity plans, asset management plans and budgets for audit.
- January 2024 - Audit NZ review.
- March 2024 - full public consultation.
- May/June 2024 - Council deliberations and adoption of Final LTP.
- 1 July 2024 - LTP becomes operational.

March 2024 Advisory Group meeting

A full and comprehensive budget with rating implications will be presented to the Advisory Group at the March 2024 meeting. Member feedback will influence Council deliberations prior to approval in June 2024.



Hemi Barsdell
Assets Management Specialist

Kaituna Catchment Control Scheme

Capital Works Programme 2023-2024

The following table outlines the Kaituna Catchment Control Scheme capital work programme for 2023-2024

Budget figures are from the Annual Plan 2023-2024 and yet to include approved carry forwards from the previous financial year.

Kaituna Catchment Control Scheme Capital Budget for 2023-2024 is \$8,113,928 this is exclusive of carry forward funding.

Project name and background	Annual Plan Budget 2023-2024	Update	Milestones 2023-2024
<p>Kaituna Pump Replacements</p> <p>As identified in the Asset Management Plan pumps need replacement or upgrading when close to end of life. Pump condition assessments are underway to prioritise replacements. Fish passage regulations require that replacement pumps be fish friendly however tested and approved solutions that can be adopted in our schemes are not expected in the short term.</p> <p>A carry forward budget request will be made for this item and potentially repurposed to support sustainability through electrification of some pumps including Bell Road C.</p> <p>Additional work planned at the Maketū Pump Station includes undertaking a condition assessment (including underwater inspection) of the outlet structure to assess damaged concrete and sheet piling.</p>	<p>\$ nil</p> <p>Carry forward funding from 2022-23, Council to approve.</p>	<p>Investigation and research are underway Nationally to improve fish friendly pump options for NZ rivers and streams.</p>	<ul style="list-style-type: none"> • Pump station repairs and electrical conversion completed by June 2024

Project name and background	Annual Plan Budget 2023-2024	Update	Milestones 2023-2024
<p>Kaituna Pump Station Electronic Upgrades</p> <p>Project involving progressively upgrading pump station electronics.</p> <p>In 2023-2024 the focus is completing upgrades works for Bell Road A.</p>	<p>\$ nil</p> <p>Minor carry forward funding from 2022-23, Council to approve.</p>	<p>Upgrade works at Bell Road A have been undertaken in the first couple of months of the new financial year.</p>	<ul style="list-style-type: none"> Complete electronics upgrade and remote telemetry by December 2023.
<p>Ford Road Pump Station Upgrade</p> <p>The upgrade involves additional pump capacity at the Diagonal Drain pump station located upstream of the Ford Road site and includes:</p> <ul style="list-style-type: none"> A new pump station adjacent to Diagonal Drain pump station Widening 1600 metres of existing drains and upgrading x2 culvert crossings Decommissioning of the existing gravity outlet and gates at Ford Road 	<p>\$6,304,266</p> <p>Plus carry forward funding from 2022-23, Council to approve.</p>	<p>Project was previously delayed to accommodate the needs of the Rangiuru Business Park. This has now been resolved.</p> <p>The project team has now regrouped and are working through requirements for 2023-24.</p> <p>Consents and authorities have been prepared and consultation with tangata whenua, Department of Conservation, Fish and Game and directly affected property owners on consent undertaken.</p>	<ul style="list-style-type: none"> Lodge resource consent applications by August 2023. Finalise design amendments TBD. Complete detailed design by TBD.
<p>Upper Kaituna Stopbank Modelling and Design</p> <p>This modelling is part of the Capacity Review of the Rotorua Streams (Upper Kaituna) – Waiteti Stream, Ngongotahā Stream, Waiowhero Stream, Utuhina Stream, Puarenga Stream, Waingaehe Stream.</p> <p>Hydrological modelling has been completed for the Utuhina, Ngongotahā, Puarenga, Waingaehe, Waiowhero and Waitetī streams.</p> <p>The focus for 2023-2024 is on undertaking hydraulic modelling for the Waitetī and Waiowhero streams.</p>	<p>\$58,050</p>	<p>Hydraulic modelling of the Waitetī Stream is being undertaken inhouse by Staff. The model is currently being set up.</p> <p>The Waiowhero Stream hydraulic modelling is to be undertaken by a Supplier. Documentation is being prepared for this.</p>	<ul style="list-style-type: none"> Hydraulic modelling of the Waitetī and Waiowhero streams completed by end June 2024.

Project name and background	Annual Plan Budget 2023-2024	Update	Milestones 2023-2024
<p>Lower Kaituna Capacity Review</p> <p>Hydrological modelling to check if changes that have occurred since the last hydrological modelling have been substantial enough to warrant a rerun of the hydraulic model.</p>	<p>\$58,050</p>	<p>Extent of the hydrological modelling required being scoped.</p>	<ul style="list-style-type: none"> Assessment of need for a rerun of the hydraulic model determined by end June 2024.
<p>Te Puke Stormwater</p> <p>Stage 1 and 2 modelling work to quantify the extent to which development in Te Puke is affecting the Kaituna Scheme has been completed by DHI, with assistance from Blue Duck Limited.</p> <p>This project started in 2019-2020 with option modelling now scheduled for completion in 2023-2024 and resulting mitigation works to follow.</p>	<p>\$ nil</p> <p>Carry forward of \$90k funding from 2022-23, Council to approve.</p>	<p>WBoPDC workshop completed.</p> <p>Mitigation investigation work delayed due to adjustment to model. That is now complete, and options can now be investigated.</p>	<ul style="list-style-type: none"> Option modelling completed by June 2024. Detailed design for mitigation works underway.
<p>Seddon Pump Station & Riparian Works Project</p> <p>An exceptionally wet season and progressive increases in Te Puke urban runoff has highlighted the need for an additional permanent pump station at the end of Seddon Street Drain (Reported to Advisory Group, 15 March 2023 meeting).</p> <p>To enhance the quality of the pump discharge water a best practice drain riparian treatment with native planting will be implemented along the full length of Lawler Drain (1.84 km). The drain cross section will be excavated to construct a two-stage water treatment margin and incorporate best practice shade tree planting as recommended by Dairy NZ.</p> <p>The project will be implemented in four stages:</p> <p><u>Stage 1:</u> Resource consent applications to WBOPDC and BOPRC (earthworks only).</p> <p><u>Stage 2:</u> Purchase of submersible pumps. Construction of the pump station, outlet structure, discharge pipeline, and control building. Installation of electricity supply and transformer. Build and installation of electrical switch board, electronics and telemetry.</p>	<p>\$ nil</p> <p>Council approval being sought to bring forward budget from 2024-2025 Te Puke Stormwater Project, \$1.6M.</p>	<p>Resource consents and Bylaw applications underway.</p> <p>Pumps purchase underway.</p> <p>Final pump station designs well advanced.</p> <p>Site investigations and geotechnical design completed.</p> <p>Preloading of pump station site completed.</p> <p>Procurement for main construction works (pump station, pipeline, outlet and control building) underway.</p> <p>Design of riparian works and riparian planting along Lawler Drain completed.</p> <p>Landowner agreement well advanced.</p> <p>Riparian plants ordered.</p>	<ul style="list-style-type: none"> Resource consents and Bylaw approval by November 2023. Pumps delivery November 2023. Pump station construction, electrical works and commissioning by March 2024. Lawler Drain riparian earthworks by April 2024.

Project name and background	Annual Plan Budget 2023-2024	Update	Milestones 2023-2024
<p><u>Stage 3</u>: Excavation of Lawler Drain riparian margins and riparian fencing.</p> <p><u>Stage 4</u>: Planting of riparian margins.</p>			
<p>Ngongotahā Stream Flood Mitigation – Civil Works</p> <p>This project involves implementing the recommendations of the independent Ngongotahā Stream Review and includes:</p> <ul style="list-style-type: none"> • Raising Western/Brake Road (Rotorua Lakes Council) • Constructing high flow bypasses on stream bends • A series of enhanced and new floodways' • Constructing a southern bypass channel • New stopbank development <p>In 2023-2024 the focus is on detailed design and obtaining resource consents.</p> <p><i>Central Government Climate Resilience Funding has been approved for this project.</i></p>	<p>\$1,693,562</p>	<p>Approval in principle obtained for solution from stakeholders and impacted land property owners, detailed design work underway.</p>	<ul style="list-style-type: none"> • Purchase of land for stopbank works by October 2023. • Public consultation process completed by December 2023. • All land access agreements in place bypasses by March 2024 • Consents lodged by March 2024. • Works procurement process underway by June 2024.

Kaituna Catchment Control Scheme

Maintenance Programme 2023-2024

The purpose of this report is to provide an overview of the Kaituna Catchment Control Scheme maintenance work programme for 2023-2024.

Maintenance work programme

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

Scheme maintenance work includes:

- Drain maintenance - desilting, de-weeding, weed spraying, water quality improvements.
- Pump stations - operation, inspections, and maintenance.
- Culvert and floodgates - inspections and maintenance.
- Stopbanks - inspections, maintenance, repairs, pest control.
- River maintenance - pest plant control, beach shaping, habitat enhancement works.
- Erosion control – rock refurbishment, edge planting, trenched willows, willow maintenance.
- Annual flood damage repairs.

Key projects in 2023-2024:

- Drainage maintenance and improvements including upgrading and modifying multiple floodgate structures. Borough and Seddon Street Floodgates have been upgraded. Parawhenuamea and Diagonal drain outlets are to be investigated.
- Kaituna river erosion repairs opposite the Mangorewa River.
- Lowland drains riparian works in conjunction with Land Management staff implementing best practice drain shaping, fencing and riparian planting following Ministry for the Environment/Dairy NZ guidelines. Approximately 1.8 km of Lawlers drain is to be enhanced.
- Lowland drains culvert installations to improve excavator access and efficiency for drain maintenance. 26 of the 47 installed.
- Raparapahoe and Kopuaroa canal vegetation management, de silting and bank stabilization works within the area from Te puke quarry Road to the Kaituna river.
- De silting of the Ohineangaanga canal. Following the exceptional and consistent rainfall that has exceeded historic maximum recorded rainfall and caused multiple large slips in the upper catchment, the Ohineangaanga canal has required and will require ongoing desilting treatment throughout the year. An estimated 18,000m³ of silt removed over the first kilometer so far. Need to re-home silt out of the floodway.
- Waiari Canal/ River erosion repairs and desilting.
- Waingaehe Floodway desilting and bank battering.

- Clearing of pest plants and opening of waterways along the Rotorua urban streams. Mangakakahi and Ngongotaha stream works are ongoing.
- Ōhau Channel stoplog improvements and edge protection repairs. Stoplogs upgraded. Bank stabilization work is still to be completed.
- More an unexpected work stream than a project but warm wet conditions have meant huge volumes of weed growth in the scheme, additional hours of weed management in canals and at pumpstations. Also, a huge commitment to running temporary and diesel pumps.

Kaituna Catchment Control Scheme Pump Statistics

- The Armer's and Marshall's pumps have run for 2800 hours in the last seven months from March 2023. Down slightly from seven months prior when they had run for 3,700 hours.
- There have been additional mobile pumps stationed at Armer and Marshall pumps as well as the Seddon Street/Lawler Drain outlet and the Parawhenuamea Drain outlet.
- Bell Road A Power and telemetry upgrade completed.
- Faults at Diagonal, Bell Road B and C remedied.
- The investigations into the electrification of Marshalls, Armers and the Bell Rd C diesel pump stations are ongoing. For the Bell rd C, initial estimate for the electronic components and work required is 300k. Should we experience weather events similar to the past year, there would be significant cost savings from a shift to electric from diesel. We would also utilise staff time more efficiently in other areas of scheme maintenance without being tied up with diesel delivery and pump maintenance.

Maintenance programme budget 2023-2024

The budget summary table for the Kaituna Catchment Control 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).

Kaituna Catchment Control Scheme Maintenance Works Programme 2023-2024		
Lower Kaituna		Annual Budget
	General	\$19,700
	Reach 1 (River mouth to Te Matai)	\$145,000
	Reach 2 (Te Matai to Paraiti River)	\$54,100
	Reach 3 (Canals and Drains)	\$358,300
	Pump Station Maintenance	\$295,500
	Annual Flood Damage Allowance	\$210,100
	Total Lower Kaituna	\$1,082,700
Upper Kaituna		
	General	\$31,400
	Reach 4 (Rotorua Streams)	\$139,800
	Reach 5 (Ōhau Channel)	\$90,300
	Annual Flood Damage Allowance	\$43,300
	Total Upper Kaituna	\$304,800
Kaituna Scheme Total		\$1,387,500

Bay of Plenty Regional Council - Toi Moana

Statement of revenue and expense: Kaituna Catchment Control Scheme

For the 12 months ending 30 June 2023

Year to date			Variance		Variance Comments	2023/24
AP Budget	Revised Budget	Actual	\$	Variance indicator		Budget
\$000						\$000

Operating revenue by class

1	General rates	246	246	246	0	-		320
2	Targeted rates	2,387	2,387	2,387	0	Higher		2,896
3	External interest income	5	5	127	123	Higher		66
4	Other revenue	32	32	435	403	Higher	Unrealised gains - found assets. This is an accounting entry and does not impact operating reserves	33
5	Investment income	376	376	376	0	Higher		432
6	Total revenue	3,045	3,045	3,571	526	Higher		3,748

Operating expenditure by class

7	Administration expenses	7	7	29	22	Higher		8
8	Other expenses	2,297	2,297	874	(1,422)	Lower	Predicted flood damage removed, offset by additional cost for electricity and diesel.	493
9	Consultancy fees	0	0	17	17	Higher		
10	Contract work	728	728	520	(208)	Lower	Planned condition defect works was less than budget as a result of having to respond to high rainfall events	773
11	Depreciation and Amortisation	418	418	466	48	Higher		586
12	Subtotal - expenditure	3,449	3,449	1,905	(1,544)	Lower		1,859
13	Internal interest	298	298	344	46	Higher		486
14	Staff charges	363	363	345	(18)	Lower		391
15	Support charges	592	592	592	0	Higher		656
16	Special charges	16	16	16	(0)	Lower		18
17	Net overhead charges and recoveries	1,268	1,268	1,297	28	Higher		1,552
18	Total operating expenditure	4,717	4,717	3,202	(1,515)	Lower		3,411
19								
20	Total operating surplus (deficit)	(1,672)	(1,672)	369	2,041	Favourable		337

Bay of Plenty Regional Council - Toi Moana

Statement of revenue and expense: Kaituna Catchment Control Scheme

For the 12 months ending 30 June 2023

		Year to date			Variance		Variance Comments	2023/24
		AP Budget	Revised Budget	Actual	\$	Variance indicator		Budget
		\$000						\$000
Capital revenue by class								
21	Capital funding	984	984	586	(398)	Lower	Final payout for April 2017 flood event. Initial budget set to high.	1,799
22	Total capital revenue	984	984	586	(398)	Lower		1,799
23	Total surplus (deficit)	(688)	(688)	955	1,643	Favourable		2,136
Capital expenditure by project								
24	Kaituna Pump Replacements	642	642	30	(612)	Lower	Works have been delayed due to rainfall responses	
25	Kaituna Flood Damage Repairs	0	0	61	61	Higher		
25	Kaituna pump station electronic upgrades	108	108	79	(29)	Lower		
25	Ford Road Pump Station	572	572	35	(537)	Lower	Delays are due to design amendments with the resource consent application	6,304
25	Te Puke Stormwater project	0	115	28	(87)	Lower		
25	Utuhina stream stopbanks	0	0	9	9	Higher		
25	Kaituna Mole	0	250	241	(9)	Lower		
25	Upper Kaituna stopbank modelling	0	51	35	(16)	Lower		
25	Ngongotaha Stream Civil Works	0	340	495	155	Higher		1,694
25	Kaituna unplanned capital	0	0	109	109	Higher	Construction work Waiteti Stream. Mainly rockwork.	
25	Upper Kaituna design	0	0	0	0			58
25	Lower Kaituna construction	0	0	0	0			58
26	Total capital expenditure	1,322	2,078	1,122	(957)	Unfavourable		8,114

Note: Reserve and loan information to be provided at 6 September 2023 meeting

MEMORANDUM



To: Kaituna Catchment Control Scheme
Advisory Group

From: Kirsty Brown

Date: 7 August 2023

Rivers and Drainage Assets Manager

File Ref:

Subject: Update from the Te Maru o Kaituna River Authority

This report has been created to facilitate better communication flow between the Advisory Group and Te Maru o Kaituna River Authority (TMoK), by providing a high-level overview of key topics from the TMoK meeting held 4 August 2023.

1 Presentations

- (a) Local Community Climate Change Adaptation Planning. Presented by Roana Bennett, Ngāti Whakaue, on behalf of the local community. Followed by a group onsite tour of the area most affected from sea level raising and examples of the monitoring programme Pataka kai project 9, of the Te Tini a Tuna which includes rivers, wetlands and Maketu estuary fisheries.

2 Chairperson's Verbal Update

Presented by Dean Flavell

Presentations from Raewyn Bennet Maketu Estuary

Overview of project 11 - Kaituna access - Elva Conroy Ltd

3 TMoK Annual Report and Budget

This report summarises the financial position of TMoK, provides a draft Annual Report for the 2022/23 year, and presents a draft 2023/24 Annual Budget for consideration.

4 Essential Freshwater Policy Programme - upcoming engagement in the Kaituna Catchment

Update of Toi Moana's Essential Freshwater Policy mahi relevant to the Kaituna co-governance area. Key focus is to continue involving tangata whenua, delivery of hui a rohe wai Māori as well as face to face and online community engagement from April to September.

5 May-July 2023 Te Maru o Kaituna Quarterly Report

Update on the progress of the projects within the TMoK Te Tini a Tuna - Kaituna Action Plan 2019-2029.

To view the full TMoK meeting agenda and minutes, please visit:
<https://www.boprc.govt.nz/your-council/meetings-and-agendas/agendas-and-minutes>

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

Kirsty Brown

Rivers and Drainage Assets Manager

MEMORANDUM



To: Kaituna Catchment Control Scheme
Advisory Group

From: Kirsty Brown
Rivers and Drainage Assets Manager

Date: 10 August 2023

File Ref:

Subject: General Business Update

1 Terms of Reference Review and Membership Renewal

As previously advised, a review of the TOR for the four river schemes advisory groups has been conducted, to ensure the continued appropriateness of the advisory groups and to support Long Term Plan strategic impact areas. The review also addressed concerns raised by advisory group members, including barriers to meeting attendance.

The 2023 TOR was adopted at the 9 August Council meeting and include the following key enhancements. A complete copy of the 2023 TOR can be found in attachment 1:

- Guiding Principles

Four guiding principles have been included to support and guide the role of the advisory groups in line with Council's strategic impact areas. These relate to:

- Adapting to our changing climate.
- Working effectively with Māori to deliver outcomes for the region.
- Community participation
- Sympathy with natural processes.

- Reimbursement

Members who need to travel or take time off work to attend meetings, may now request reimbursement for their time and travel costs. This clause aims to reduce barriers to attending meetings.

- Membership

Under the previous TOR, membership was restricted to a term of 3 + 3 years. A revision has been made to allow for longer membership terms for the purpose of retaining valuable knowledge and expertise. To be considered

for a further three-year term, existing members may re-apply under the public nomination process for re-selection.

As per the TOR, the second three-year term of ratepayer membership is set to conclude in October 2023. The Council selects ratepayer representatives through a public nomination process, which is scheduled to take place in November 2023. Current members who are interested in being considered for a third term will need to complete the public nomination process for re-selection.

2 Room for the River

During past advisory group meetings, it has been highlighted that we are entering a period of change for river management. This entails evolving principles and best practices, along with reforms and policy changes by the central government. One such policy is Te Mana o Te Wai which places the well-being and health of our rivers at the forefront of freshwater management. It also mandates specific requirements for collaborating with our iwi partners.

This shift in approach will particularly impact ongoing and future flood and erosion projects, both in rural and urban areas. The focus will be to enable river catchments to behave more naturally with less frequent interventions. This will change the way river works are managed in the future with a focus on adaptability, maximising natural river processes while working towards meeting flood protection levels of service. Potential future solutions might involve creating more space for the river and incorporating natural and nature-based flood risk management solutions.

The concept of 'Room for Rivers' is used globally to restore the natural flow path of rivers that have been confined to narrow corridors over time, due to natural or human activities. This approach has been informing part of Council's approach to river management for some time, as the historical effect of confining rivers is being exacerbated by climate change.

The Council has been trialling using the 'Room for Rivers' approach on a smaller scale, in some upper rural catchments within the Whakatane-Tauranga catchments. This approach is expected to play an increasingly pivotal role in future decision-making, especially regarding the direction of our Rivers and Drainage function.

Affordability is a key factor for both the Council and the community it serves, and it underpins the long-term implementation of the 'Room for Rivers' approach. For instance, investing in the maintenance or repair of a riverbank in a remote area might not be cost-effective if it provides minimal benefits in managing erosion risks due to the river's confinement.

In this context, it's important to note that 'Room for Rivers' is not a one-size-fits-all solution. It's just one of several approaches being considered as part of a comprehensive river catchment management strategy.

A handwritten signature in black ink, appearing to read 'K Brown', with a large, stylized initial 'K'.

Kirsty Brown
Rivers and Drainage Assets Manager

Rivers Scheme Advisory Group Terms of Reference 2023

For Kaituna Catchment Control Scheme, Waioeka-Otara Rivers Scheme, Whakatāne-Tauranga (formerly Waimana) Rivers Scheme, and Rangitāiki-Tarawera Rivers Scheme.

1.0 Purpose of the River Scheme Advisory Groups

- To connect regularly with those communities that benefit from and contribute to the work the Regional Council delivers to maintain and improve our river schemes.
- To enable discussion on the Regional Council's rivers and drainage work programmes and levels of service; and
- To discuss how we might adjust current practices, where necessary, to support sustainable river scheme management.

2.0 Guiding Principles

The following principles will guide the work of the Advisory Groups:

- **Adapting to our changing climate**

The Bay of Plenty's climate is changing, and these changes will continue for the foreseeable future. Adaptation is essential to ensure our River Schemes remain sustainable in the long term. The work of the Advisory Groups helps to manage the effects of a changing climate.

- **Working effectively with Māori to deliver outcomes for the region**

Implementing the principles of the Te Tiriti o Waitangi (Treaty of Waitangi) collaboration and partnership will guide the work of the Advisory Groups. The Council has an opportunity to work effectively with Māori by establishing appropriate Māori participation through Advisory Groups. Hearing Māori perspectives and the inclusion of cultural values (such as Mātauranga Māori) will ensure river management and flood protection solutions remain consistent with community expectations. Diversity within the River Advisory Groups is encouraged and supported as it reflects the diversity in our wider community.

- **Community Participation**

Members will assist with the sharing of scheme information to ratepayers and residents and promote opportunities for participation and collaboration.

- **Sympathy with Natural processes**

Evolving best practice in river engineering and management in New Zealand is being shaped by the “Making Room for the River” philosophy. This approach tends to a more natural and less engineered/confined river system, to improve overall river and ecological health.

3.0 Scope of activity

The role of the Advisory Group is as follows:

- To be a local contact on rivers and drainage issues.
- To share information to and from river scheme communities, stakeholders and tangata whenua.
- To act as a voice for the community to inform the planning and delivery of scheme works.
- Provide community views and input into key Rivers and Drainage management plans and strategies.
- Provide a feedback forum for Council on Rivers and Drainage proposals, projects and changes.
- To make recommendations on scheme management and operations including:
 - Capital and maintenance work
 - Proposed annual work programmes and budgets
 - Floodplain Management Strategies, and
 - Integrated and collaborative management opportunities.

4.0 Status

Local input and advice from Advisory Groups is essential for effective scheme management and is highly regarded by Council. While the Advisory Group has no statutory basis or delegated functions of Council it can make recommendations on Council matters.

5.0 Membership

The number and structure of members is intended to achieve a broad representation of the community covering the geographical extent of the Scheme, tangata whenua and various rating categories. The Council may appoint additional members to best meet the needs of the scheme. *(Each scheme-specific ToR will have its Membership Schedule inserted here from the Membership Schedule below).*

6.0 Appointment and term of service

The standard term of appointment is three years with a maximum term of six years, without needing to reapply for the second term. All members, apart from Regional Council elected members, wishing to be considered for a third term are required to complete the public nomination process for re-selection*.

Group membership consists of tangata whenua, territorial authorities, and targeted rate payers. Ratepayer representatives must be a targeted ratepayer in the Scheme to be eligible for nomination.

Ratepayer representatives are determined by the Council following a public or consultation process.

Council may appoint members representing special interests within the Scheme.

Members who are elected members are appointed for the local government triennium cycle however if re-elected will be reappointed where available for a further three-year term to ensure continuity.

An elected member of the Regional Council will be the Chairperson.

Members who are unable to complete their three-year term or misses more than three consecutive meetings without apology may be replaced by either Council or the authority they represented. Members may resign their position at any time, by written notice.

Interested parties and members of the public, who are not appointed to the group have the right to attend. They may participate if invited to by the Chair or during the public forum section of the meeting.

7.0 Meeting frequency and operation

There will generally be two meetings held per year in March and September called by the Chairperson or delegate.

Meeting agendas will be compiled by managers and staff who will also service the meeting.

Council will assist with personal expenses incurred in meeting attendance, in keeping with Council's Expenses and Allowances Policy. Claims in this regard are voluntary.

8.0 Conflict of interest

Members are required to bring to the attention of the Chairperson any conflict of interest or potential conflict they may have with any item on the agenda.

If a member is deemed to have a real or perceived conflict of interest in a matter that is being considered at a meeting, he/she will be excused from discussions and deliberations on the issue where a conflict of interest exists OR must not be present for consideration of that matter.

9.0 Confidentiality

During the course of the business of the Advisory Group, a member will, from time to time, be privy to confidential information. Any confidential information is protected and should not be disclosed until a resolution of the Advisory Group to release the information has been made.

10.0 Communication and reporting

The line of communication between Council and the Advisory Group will generally be through the Regional Council General Manager and the Advisory Group Chairperson.

Issues or recommendations arising from Advisory Group meetings will either be addressed by Scheme Managers or referred to the Council.

Information updates to Members will be circulated by email.

Information updates to scheme ratepayers will be made available via media releases, information posted on the Council web site and/or by email.

Rangitāiki Drainage Scheme [insert only in Rangitāiki-Tarawera and Whakatāne-Tauranga TORs]

The Rangitāiki Drainage Scheme that is managed by BOPRC has a significantly smaller operational area and annual budget than the four major river schemes. For efficiency reasons the significant matters of interest relating to the Rangitāiki Drainage Scheme will be discussed and considered through the Whakatāne-Tauranga and Rangitāiki-Tarawera Rivers Scheme Advisory Group meetings. Matters specifically relating to the Rangitāiki Drainage Scheme will be discussed with “Rangitāiki Plains” representatives of the Whakatāne-Tauranga and Rangitāiki-Tarawera Rivers Scheme Advisory Groups.

11.0 Terms of Reference review

The Council may review this Terms of Reference at any time if it considers circumstances or its community collaboration processes have changed. Prior consultation with the Advisory Group members will occur if a review is being considered.