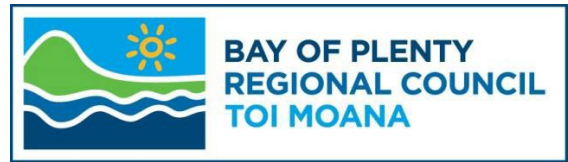




Kaituna Catchment Control Advisory Group

**13 March 2024
10:00am**

The Orchard Church
20 MacLoughlin Drive
Te Puke



Kaituna Catchment Control Scheme Advisory Group Meeting

Wednesday, 13 March 2024 at 10am

Agenda

- 1 Welcome**
- 2 Apologies**
- 3 Notes of previous meeting held 6 September 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 Essential Freshwater update**
- 9 Finance Report**
- 10 Te Maru o Kaituna River Authority update**
- 11 General business**
- 12 Public forum**
- 13 Meeting closure**

Kaituna Catchment Control Scheme Advisory Group

Meeting notes

Commencing:	Wednesday, 6 September 2023, 10.00 am
Venue:	Waiariki Room, Bay of Plenty Regional Council, 1118 Fenton Street, Rotorua
Chairperson:	Cr Ken Shirley
Members:	Heather Brake, Roger Hintz, Barry Roderick, Richard Weld, Nick Chater (Rotorua Lakes Community Board), Cr Andy Wichers (WBOPDC), Dave Hurst.
BOPRC elected members:	Cr Kevin Winters (late)
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), Pete Hennessey (Communications Team Leader), Kelly Sarjeant (Executive Assistant), Laura Boucher (Communications Partner), Loris Hastie (Management Accountant), Hemi Barsdell (Asset Management Specialist).
Public:	Cor Verwey, Nathan York, Kelsey Weld, Colin Armer, Noel McLeod.
Apologies:	Dean Flavell (Tapuika and Te Maru o Kaituna), Cr J Nees, Cr M MacDonald, Cr T Iti, Deputy Mayor J Scrimgeour (WBOPDC).

1. Opening

Items noted for public forum:

- Stormwater consents in Te Puke.
- BOPRC rates increase letter.
- Pollution in the drain area below Te Puke.

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 – 15 March 2023 as a true and correct record.

**Shirley/Weld
CARRIED**

3.2 Matters Arising:

- Marshall/Vercoe Farms: Staff confirmed that drainage improvements have been made, and property owners are satisfied.
- Closing Okere Gates to improve gravity drainage: R Weld questioned the possibility of a trial closing of the Okere Gates to allow improved gravity drainage for the lower Kaituna farmland. Staff advised that closing the gates is not currently possible under the existing consent conditions. Further concern was expressed regarding the impact of development in the upper Kaituna, runoff, and high lake levels.

4. Agenda items

4.1 Long Term Plan 2024-34 and Rivers and Drainage Asset Management Plan 2024-74

Presented by: Kirsty Brown and Hemi Barsdell.
Agenda report taken as read.

Key Points:

- The proposed budget figures are currently in their initial stages and will undergo further refinement following members' feedback.
- External pressures such as Central Government regulations, inflation and climate change contributing to unavoidable cost increases.
- Budget forecasts aim to achieve an appropriate balance between affordability and service provision, including appropriate risk management and alignment with national standards.
- The proposed operational expenditure is comparative to previous years, with proposed increases for asset defect remediation, Flood Protection and Drainage Bylaws compliance and monitoring, ecological offset work, electricity, and diesel.
- Potential future financial impacts to be aware of:

- The National Policy Statement for Freshwater Management could result in significant additional expenditure requirements for the scheme, particularly regarding drainage water discharge quality and scheme maintenance.
- Aon Ltd has indicated that there could be a significant increase in infrastructure insurance premiums due to recent national and international weather events.
- Detailed comprehensive budgets with rating implications will be presented to the Advisory Group during the March 2024 meeting.

Discussion points:

- Acknowledged the financial pressures being faced across the region, staff working hard to find savings where possible without compromising service.
- Central Government's Essential Freshwater reforms will be significant for farmers. Members were encouraged to get involved in the consultation process. Information brochures available in meeting room.
- Additional budget for Flood Protection and Drainage Bylaws implementation enables better management of risks associated with people's activities in the vicinity of flood protection and drainage assets.
- Members risk tolerance was gauged regarding the suggestion to reduce levels of service for certain stopbanks within the scheme, to potentially reduce future capital expenditure, particularly in cases where a 1% AEP design level may no longer be suitable. The Maketū Estuary stopbank was identified as a potential situation for this approach. After a discussion, it was decided that the Engineering team will collaborate with Roger Hintz to conduct an analysis and develop options, which will then be presented to the members.
- An overview of the proposed communications plan was provided. Feedback was encouraged to ensure all future communications are clear.

Item for staff follow up:

- Collaborate with Roger Hintz to evaluate the potential to reduce levels of service for certain stopbanks. Overtopping impacts, options, and cost/benefit analysis to be presented at March 2024 meeting.

4.2 Capital Works Programme 2023-24

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

Key Points:

- Ford Road pump station replacement update:
 - Overview of works planned for 2023-24 include obtaining resource consent, selecting pump type (noting 52-week delivery time), complete station design, relocate farm race, widen the internal and Cruickshanks Drains, and installing box culverts.
 - Pump station capacity does not need to be increased for Rangiora Business Park.
 - Contributions from the Business Park towards the pump station will be determined based on volume and is currently being modelled.

Operations and maintenance rating requirements and classifications being worked through.

- Ngongotahā Stream mitigation project update: Agreement has been reached with the A&P Showgrounds. Components of the project and program timelines was discussed.
- Seddon Street Pump Station update: The layout has been designed, and the program timeline is in place, with completion of works expected in the late summer. Ecologist recommended a 2-stage riparian design that includes a shallow filtration area to improve water quality of pump station discharges.

Discussion points:

- Confirmation that electrified pump stations will have back up diesel generators.
- Member queried formal agreements on access, maintenance and responsibilities in the area. Staff advised that easement powers for monitoring and maintaining river scheme assets are provided under legislation.
- Members queried weed/silt/spoil removal from drains, staff explained this process.
- Member raised issue that these pump designs are to drain and flood protect this catchment but does not address drains flowing in from the Te Puke urban area. Staff responded Roger Waugh from River Space has been contracted to investigate Borough Drain and other urban areas that contribute to this catchment to look at other ways of efficiently getting water out directly to Ohineangaanga or the River. Bruce to follow up on timeline.
- Member queries additional pumps being installed on western side of the river, farmers had spent a lot of money on pumping and whether they received compensation. Staff responded these additional stations are in areas outside of original pumped areas. Pump performance at the original scheme stations has been very good considering the quantity of rain however there appears to be some new areas needing pumping now, particularly downstream of Te Puke urban area.
- Member queries mitigation on Vercoe property. Staff responded no permanent solution has been agreed, but reactive pumping is continuing as needed.
- Member (Barry Roderick) queried whether Council can develop an economic policy/planning process/structure to remedy whereby there may be support available for landowners should prolonged water on their property affect revenue long term. Staff responded that the Asset Management Plan has level of service the Scheme is intended to provide and is driven and guided by that.
- A question was raised whether the LOS was being meet over the 2022/23 year. Mark to get analysis done and prepare a response for a future meeting.
- No correlation between Rangiuuru Business Park/Ford Rd pump station and Ngongotahā works/MHub.

11:45 – Councillor Winters entered the meeting.

Items for staff follow up:

- Follow up on RiverSpace investigation: Confirm progress and timeline for completion by February 2024 regarding the drainage issues raised by Colin Armer, specifically addressing the flow of water from the Te Puke urban area into the catchment.
- Mark to get analysis done on whether pump stations have been meeting their levels of service and prepare a response for a future meeting.

4.3 Maintenance Works Programme 2023-24

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

Key Points:

- Overview of maintenance works programme for 2023-24.
- 26 of 47 culvert installations have been undertaken to improve machinery access and maintenance efficiencies.
- Desilting and bank stabilisation works planned from Te Puke Quarry Road to the Kaituna River.
- Investigations underway into electrification of Marshalls, Armers and the Bell Road C diesel pump stations. Estimated cost for Bell Road C is \$300,000 but significant cost savings overtime are possible with a shift from diesel to electric.
- Programme budget of \$1,387,500 for 2023-24.
- Staff are recommending the purchase of a surplus land parcel adjoining the Waingaehe Floodway, that has many potential uses including materials storage, planting, and wetland development for water quality improvements.

4.3 Finance Report Update

Presented by: Kirsty Brown
Agenda report taken as read.

Key Points:

- Revenue and expenditure update for the 12 months ending 30 December 2023.
- Total operating revenue \$526,000 higher than budget.
- Total operating surplus of \$2,041,000.
- Total capital revenue \$398,000 lower than budget.
- Total capital expenditure \$957,000 lower than budget.
- Total reserve funds available \$2.9 million.
- Internal loans closing balance of \$9 million as of 30 June 2023.
- Asset valuation as of 1 July 2022 \$85 million.

4.4 Update from the Te Maru o Kaituna River Authority

Presented by: Kirsty Brown
Report taken as read.

4.5 General Business

Presented by: Kirsty Brown
Report taken as read.

Key Points:

- 2023 Terms of Reference for all river scheme advisory groups was adopted at the 9 August 2023 full Council meeting.
- Second three-year term of ratepayer membership is due to conclude in October 2023. The public nomination process is scheduled for November.
- Room for the River – entering a period of change for river management, with evolving principles and best practices, along with central government reforms and policy changes. Room for the Rivers is used globally to restore the natural flow path of rivers. It is expected that, overtime, this approach will play a pivotal role in future decision making for river management.

Discussion point:

- Conflict of interest in relation to the Terms of Reference clarified.

Item for staff follow up:

- Barry Roderick requested an analysis of the Kaituna river system in terms of 'Room for the River' concept. Staff responded this is more relevant to other Schemes than the Kaituna. Kirsty/Mark will provide this analysis.

5. Public Forum

5.1 Stormwater consents in Te Puke – Cor Verwey

- Dissatisfied that in order to get a replacement culvert he was asked to allow an easement over his property for a weather station, noting BOPRC lost a \$400k investment in the process.
- Questioned why expanding industrial business sites such as Eastpack and Pukepine do not have consents in the Collins Lane/Washer Road area.
- Acknowledged ratepayers cleaning up after Pukepine.

Item for staff follow up:

- Chris Ingle notes consents for industrial businesses are out of scope for the Advisory Group and will advise Pim de Monchy and Regulatory Services staff to make contact with Mr Verwey.

5.2 BOPRC rates increase letter – Richard Weld/Dave Hurst

- Concern raised by members at the 20% rates increase for 2023-2024. The difficult economic situation and pressure on farmers with recent weather events was noted and discussed.

Item for staff follow up:

- Chris/Kirsty to review letter, figures and whether this is based on capital works programme for current year. Kirsty will clarify figures by email to members.

5.3 Stormwater retention – Colin Armer

- Nearby development consented to a 3-day retention of stormwater. Raised concern about being inundated for weeks. Staff responded discharge after 3 days is a significant step in right direction.

5.4 Stormwater Modelling – Nathan York

- Query on when the stormwater modelling status associated with the upper catchment and Bell Road will be complete. Staff responded the upper catchment stream model is in its final stages. The Bell Rd report is in its final review stage.

Item for staff follow up:

- Nathan York suggests if any members wish to query an item on the agenda they are able to flag their query prior to the meeting, allowing for considered responses from staff. Chair and members agree. Going forward Kirsty will invite members to flag items in advance of meeting.

5.5 Review of Kaituna Scheme – Dave Hurst

- Member queried why an independent review he suggested several years ago on the Bell Rd sub-catchment has not been done. Chair noted Council are mindful of development, actively involved and highly aware of the challenges. An independent review was not considered worthwhile given extensive work undertaken by staff and the clear signs of climate change. Staff have reports available.

Item for staff follow up:

- Update at the March 2024 meeting on the minor rating review undertaken by Simon Harris, PLW.

12.40 pm - the meeting closed.

CONFIRMED

Councillor Ken Shirley
Chairperson, Kaituna Catchment Control Scheme
Advisory Group

Actions

Kaituna Catchment Control Scheme Advisory Group Meeting

6 September 2023

Action	Person Responsible	Completed	Comment
1. Collaborate with Roger Hintz to assess potential service level reductions for specific stopbanks. Present overtopping impacts, options, and cost/benefit analysis at the March 2024 meeting.	Mark Townsend	Underway	Mark to update in meeting.
2. Confirm progress and timeline for RiverSpace Ltd's investigation on drainage issues for (Borough Drain and other urban areas).	Dan Batten	Completed	Commentary on report to be provided at the meeting.
3. Mark to get analysis done on whether pump stations have been meeting their levels of service and prepare a response for a future meeting.	Mark Townsend	Underway	This will be covered in a presentation update.
4. Room for the River overview for the Kaituna River (1 pager).	Kirsty Brown/ Mark Townsend	Completed	Information provided in General Business Report.
5. Request Pim de Monchy and Regulatory Services make contact with Cor Verwey as resource consents queries are not a role for the Rivers and Drainage team.	Chris Ingle	Completed	Queries passed on to Regulatory Services - Compliance.
6. Review rating letter, confirming alignment with current year's capital works program. Email members to clarify.	Kirsty Brown	Completed	Members emailed on 12/2/24, with a more detailed explanation of the rates increase, causes and justification.
7. Update of the minor Kaituna Rating Review.	Kirsty Brown	Completed	Covered in General Business.

MEMORANDUM



To: Kaituna Catchment Control Scheme
Advisory Group

From: Hemi Barsdell
Assets Management Specialist

Date: 22-02-2024

File Ref: A4604581

Subject: Long Term Plan 2024-34 and the Rivers and Drainage Assets Management Plan 2024-74

The purpose of this memo is to provide information on the proposed draft budgets for the Long Term Plan 2024-34 and the Rivers and Drainage Asset Management Plan 2024-74. These budgets were revised following the September 2023 advisory group meeting and will be open for public consultation as part of Long Term Plan 2024-34 between 8 March and 6 April 2024.

A presentation on the proposed budget and its rating implications will be given at the meeting on 13 March 2024.

Background

The Long Term Plan (LTP) is Council's key strategic document. It sets out Council's priorities for the next 10 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 LTP 2024-2034 Budget - key messages

- Investment in capital programmes over the next 10 years will enhance community resilience and wellbeing. Planned expenditure is reflective of the current costs associated with infrastructure construction and renewal.
- The Rivers and Drainage Operations Team is exploring and implementing cost-saving initiatives, such as conducting more work in-house, dry hiring equipment, the cost/benefit in owning machinery and plant, and nature-

based solutions for erosion management. These initiatives will/have result in cost efficiencies in the future.

- The rock replenishment rate was reduced in non-critical areas to 25% every 25 years (from 25% every 15 years) resulting in an annual saving to the scheme of \$56,000.
- In addition, the Rivers and Drainage Assets team will undertake a 'phase 2' of the previous infrastructure review to further investigate self-insurance, increasing the deductible for each claim (currently \$600,000), not insuring low-risk assets, etc., to minimise the impact of rising insurance costs.
- External cost factors - such as costs for materials, suppliers, and contractors, as well as central government regulations - are influencing some costs.
- In recent years there has been significant capital investment in new or upgraded flood control and protection assets, which has significantly enhanced resilience.
- The majority of capital works completed were funded through loans, with a forecasted \$22.8 million loan balance by 1 July 2024. Loan interest rates are set to rise to 4% in years 1 and 2 (2024/25 and 2025/26), up from the current 2.5%, leading to an additional annual cost of approximately \$342,000 compared to the current year. The loan balance is forecast to rise to \$27.3 million in 2026/27 and reduce to 21.4 million in 2033/34.
- As discussed at the September 2023 meeting, the proposed defects budget of \$90,000 and the Flood Protection and Drainage Bylaws budget of \$89,000 has increased the annual contract budget. This work is necessary to appropriately manage risks to flood protection and drainage asset integrity and to adopt best practice methodologies.
- Operating and capital expenditure varies between years, but the implication of expenditure on targeted rating is reflected in the table below under 'operating revenue by class'.
- Members are invited to provide submissions on the proposed budgets through the LTP process, described below.
- The appended table below details the proposed budget for LTP2024-2034.

LTP 2024-2034 Public Consultation Timeline and Process

- Submissions open Friday 8 March and close Tuesday 9 April 2024.
 - o Submissions can be made online through BOPRC's website: www.boprc.govt.nz/ltp-2024, via email LTP@boprc.govt.nz, or by posting a hard copy submission form to *Freepost Number 122076*,

Long Term Plan Submissions, Bay of Plenty Regional Council, PO Box 364, Whakatāne 3158

- Staff will also be present at several community events around the region with information and consultation packs.

- Hearings 14 and 16 May 2024, for those submitters that wish to speak to their submission.
- Council deliberations will take place on 29 May 2024.
- Long-Term Plan 2024-2034 adopted 30 June 2024.



Hemi Barsdell
Assets Management Specialist

Draft Long Term Plan 2024-2034

Sub Activity 210 - Kaituna Catchment Rivers Scheme by Class

Run audit: 07-Dec-2023 @ 13:36:05 - Long-Term Plan Ledger: 25PJL04

Version: 4

	Annual Plan	2024-2034 Long Term Plan									
	2023/24	2024/25	2025/26	2026/27	2027/28	2028/29	2029/30	2030/31	2031/32	2032/33	2033/34
	\$0	Year 1 \$0	Year 2 \$0	Year 3 \$0	Year 4 \$0	Year 5 \$0	Year 6 \$0	Year 7 \$0	Year 8 \$0	Year 9 \$0	Year 10 \$0
OPERATING											
Operating revenue by class											
Targeted rates	2,896	3,647	4,244	4,582	4,782	4,884	5,015	5,194	5,309	5,362	5,117
External interest income	66	35	1	0	0	0	0	0	0	0	0
Other revenue	33	34	35	35	36	36	37	37	37	38	38
General rates	320	423	496	558	594	605	603	621	640	655	632
Investment income	432	485	540	590	616	630	650	678	687	686	647
Total operating revenue	3,748	4,625	5,315	5,766	6,027	6,155	6,306	6,529	6,673	6,740	6,434
Expenditure by class											
Administration expenses	8	9	10	11	12	12	13	12	13	13	13
Other expenses	493	601	638	683	1,578	783	841	904	919	934	928
Contract work	773	969	985	1,004	1,023	1,041	1,060	1,078	1,097	1,129	1,111
Depreciation and Amortisation	586	596	641	684	719	743	771	797	813	802	830
Expenditure (before charges and recoveries)	1,859	2,175	2,273	2,382	3,332	2,579	2,685	2,791	2,841	2,878	2,882
Net overhead charges and recoveries	1,552	2,150	2,233	2,454	2,516	2,499	2,498	2,522	2,523	2,459	2,445
Total operating expenditure	3,411	4,325	4,506	4,836	5,848	5,078	5,182	5,313	5,364	5,337	5,328
Total operating surplus (deficit)	337	300	809	930	179	1,076	1,123	1,216	1,309	1,403	1,106
Operating funding											
Operating transfer from reserve	(184)	(41)	(63)	(38)	(882)	(35)	(36)	(37)	(37)	(38)	(37)
Operating transfer to reserve	521	341	872	967	1,061	1,111	1,159	1,252	1,346	1,441	1,144
Total operating funding	337	300	809	930	179	1,076	1,123	1,216	1,309	1,403	1,106
CAPITAL EXPENDITURE											
Ford Road Pump Station	6,304	2,289	0	0	0	0	0	0	0	0	0
Ngongotaha Stream Civil Works	1,694	2,660	1,497	1,503	0	0	0	0	0	0	0
Upper Kaituna design	58	98	419	491	0	0	0	0	0	0	0
Lower Kaituna modelling	58	191	0	0	0	0	0	0	0	0	0
Lower Kaituna construction	0	33	1,115	1,072	0	0	0	0	0	0	0

Bell Road B Pump Renewals	0	0	0	80	0	0	0	0	0	0	0
Ohineanganga	0	1,060	0	0	0	0	0	0	0	0	0
Bell Road upgrade	0	318	0	0	0	0	0	0	0	0	0
Maketu pump & electronics	0	0	201	0	0	0	0	0	0	0	0
Kaituna fish passage	0	21	21	21	0	0	0	0	0	0	0
Diagonal Drain pumps and electrical	0	0	0	447	0	0	0	0	0	0	0
Kaituna consent new	0	0	0	26	48	123	0	0	0	0	0
Okere Gates electronics	0	0	0	0	0	56	0	0	0	0	0
Ohau Canal Structure	0	0	0	0	0	0	993	0	0	0	0
Utuhina concrete wall	0	0	0	0	0	0	0	0	0	411	0
Bell Road A pumps and electrical	0	0	0	0	109	0	0	0	0	0	0
Kopuaroa Pumps	0	0	0	0	99	0	0	0	0	0	0
Ford Road pump station demolition	0	0	0	0	0	0	0	2,094	0	0	0
Raparapahoe Drop Structure	0	0	0	0	0	380	0	0	0	0	0
Lower Kaituna Hydrology	0	0	0	0	0	0	0	0	0	0	62
Structure renewals (Managhs, Browns, Bell Road)	0	0	0	0	0	0	0	0	0	0	1,232
Total Capital Expenditure	8,114	6,670	3,253	3,640	256	559	993	2,094	0	411	1,293
Capital cost of borrowing											
New loans - clean heat programme	0	0	0	0	0	0	0	0	0	0	0
Clean heat loan repayments	0	0	0	0	0	0	0	0	0	0	0
Capital expenditure loan repayments	2,477	933	1,145	1,287	1,410	1,483	1,572	1,691	1,800	1,883	1,615
Total Other Capital Costs	2,477	933	1,145	1,287	1,410	1,483	1,572	1,691	1,800	1,883	1,615
Total capital expenditure	10,591	7,603	4,398	4,927	1,666	2,042	2,565	3,785	1,800	2,294	2,908
CAPITAL FUNDING											
Funding of Capital Expenditure											
Capital grants received	(1,799)	0	0	0	0	0	0	0	0	0	0
Capital insurance recoveries	0	(1,700)	0	0	0	0	0	0	0	0	0
Capital Disposals	0	0	0	0	0	0	0	0	0	0	0
Increase in debt	(6,315)	(4,970)	(3,253)	(3,640)	(256)	(559)	(993)	(2,094)	0	(411)	(1,293)
Funding of capital expenditure	(8,114)	(6,670)	(3,253)	(3,640)	(256)	(559)	(993)	(2,094)	0	(411)	(1,293)
Funding of borrowing costs											
Clean heat programme	0	0	0	0	0	0	0	0	0	0	0
Clean heat loan repayments	0	0	0	0	0	0	0	0	0	0	0
Capital expenditure loan repayments	(2,477)	(933)	(1,145)	(1,287)	(1,410)	(1,483)	(1,572)	(1,691)	(1,800)	(1,883)	(1,615)
Total loan	(2,477)	(933)	(1,145)	(1,287)	(1,410)	(1,483)	(1,572)	(1,691)	(1,800)	(1,883)	(1,615)
Total capital funding	(10,591)	(7,603)	(4,398)	(4,927)	(1,666)	(2,042)	(2,565)	(3,785)	(1,800)	(2,294)	(2,908)

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 includes approved carry forwards from the previous financial year.

Kaituna Catchment Control Scheme Capital Budget for 2023-2024 is \$ \$10,993,928.

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.</p> <p>Budget provision will 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>\$600,000</p>	<p>Bell Road C Pump electrification conversion is underway. All the internal work required has been completed.</p> <p>Some work by Power Co. for the transformer to be installed and work to formalise an easement is also underway.</p> <p>Should we experience weather events similar to last 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.</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. The focus for 2023-24 is completing upgrades works for Bell Road A.</p>	<p>\$ nil</p> <p>Expenditure to be offset by Kaituna Pump Replacements Budget</p>	<p>Upgrade works at Bell Road A were undertaken in the first couple of months of this financial year (approx. \$40k)</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>\$6,804,266</p> <p>Includes approved carry forward funding from 2022-23.</p>	<p>Consents and authorities have now been granted.</p> <p>Consultation with tangata whenua, DOC, F&G and directly affected landowners is ongoing.</p> <p>The project will be implemented in three main stages as follows:</p> <p>Stage 1 – Drainage Improvement works - began February 2024</p> <p>Stage 2 – Construction of the new pump station – timeframes TBC, currently undertaking design and life cycle costing analysis.</p> <p>Stage 3 – Decommissioning and removal of the existing Ford Road Pump Station – timeframes TBC</p>	<ul style="list-style-type: none"> Lodge resource consent applications by August 2023. Complete drainage and culvert work by 30 June 2024. Order pump (s) 31 March 2024 Complete detailed design of PS by December 2024.
<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 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>Brief confirmed and work will commence in the last quarter of the financial year. Hydrology to be undertaken inhouse with an external review.</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>\$80,000</p> <p>Includes approved carry forward funding from 2022-23.</p>	<p>WBoPDC workshop completed.</p> <p>Mitigation investigation work delayed due to adjustment to model. Proposal for additional works currently being assessed by BOPRC, WBoPDC, peer-reviewer and the modelling consultant.</p>	<ul style="list-style-type: none"> Option modelling completed by June 2024. Detailed design for mitigation works underway by June 2024.
<p>Seddon Pump Station and Lawler Drain 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.</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>\$1,700,000</p> <p>Council approved forward budget from 2024-2025 Te Puke Stormwater Project.</p>	<p>Investigations, civil and structural and geotechnical design all completed.</p> <p>Pumps purchase completed.</p> <p>Civil works contract approx. 30% complete.</p> <p>Steel fabrication approx. 50% complete.</p> <p>Electrical cable & transformer installed.</p> <p>Electrical/electronic control panels 25% complete.</p> <p>Control building established on site.</p> <p>Connector drain installation March 2024.</p> <p>Section A earthworks completed.</p> <p>Planting of Section A programmed for May/June 2024.</p>	<ul style="list-style-type: none"> Pump station completion and commissioning in May 2024. Lawler Drain Section A planting by 30 June 2024 Lawler Drain Section B earthworks and planting by 30 June 2025.

Project name and background	Annual Plan Budget 2023-2024	Update	Milestones 2023-2024
<p>Kaituna-Waiari Left Stopbank toe-loading works:</p> <p>Geotech investigations have identified a section of Kaituna left stopbank upstream of Seddon Street Drain, and extending approx. 80 metres up Waiari left stopbank, that requires an overlay of the toe of the stopbank to reinstate an appropriate factor of safety.</p>	<p>\$0</p>	<p>Geotechnical investigation and analysis completed.</p> <p>Earthworks programmed for March 2024.</p> <p>Topsoiling, grass seeding and fencing to follow</p>	<ul style="list-style-type: none"> • Completion by 30 June 2024.
<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 • 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> <p>Key property purchase on Ngongotahā Road completed.</p> <p>Public consultation underway.</p> <p>Project planning involves a two phase approach with the current priority being the floodway design and consent which is underway, construction start estimated October 2024.</p> <p>The stopbanks, Western Road treatment and high flow bypass are currently part of the second phase (2025).</p>	<ul style="list-style-type: none"> • Purchase of property by October 2023. • Public consultation ongoing during 2024. • All land access agreements in place for the floodway by March 2024 • Consents for floodway lodged by May 2024. • Works procurement process for floodway underway by August 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 of 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 to improve flood conveyance. Borough and Seddon Street Floodgates have been upgraded and outlets modified.
- The Engineering team are working on the design for improvements to the Parawhenuamea Drain.
- Kaituna river erosion repairs opposite the Mangorewa River will take place in March.
- 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 being constructed now.
- Lowland drains culvert installations to improve excavator access and efficiency for drain maintenance. 40 of the 47 culverts have been 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 have been completed.
- De silting of the Ohineangaanga Canal. Last year's exceptional and consistent rainfall that exceeded historic maximum recorded rainfall and caused multiple large slips in the upper catchment, has required, and will require, ongoing desilting treatment throughout the year. We are working with adjacent landowners to re home the material removed, to retain flood carrying capacity in the Canal.
- Waiari River erosion repairs and desilting is underway (February and March 2024).

- Waingaehe Floodway desilting, bank battering and asset defect repairs are complete.
- Clearing of pest plants and clearing floodways along the Rotorua urban streams, Mangakakahi floodway clearing is completed and Ngongotaha stream works are ongoing. Inspections and programming of work on the Utuhina, Otamatea and Waiowhero streams is underway.
- Ōhau Channel stoplog improvements and edge protection repairs. New stoplogs have been fabricated and are to be installed in February.
- More an unexpected work stream than a project, but warm conditions have meant huge volumes of weed growth in the scheme, additional hours of weed management in canals and at pumpstations.



Mangakakahi Stream floodway clearing



Tree shear Raparapahoe Stream

Kaituna Catchment Control Scheme Pumpstation Maintenance Update

- There have been additional mobile pumps stationed at Armer's and Marshall's outlets as well as the Seddon Street/Lawler Drain outlet and the Parawhenuamea Drain outlet. The two new Pioneer pumps have proved to be a great addition to our mobile pumping capability.
- We have refurbished two electric submersible pumps that can be installed at pump stations should the duty pump be out for maintenance for an extended period.
- The Bell Road C pumpstation electronic upgrades have been completed. A new transformer will be installed, and electrification of the station will be complete this financial year. Should we experience weather events similar to last 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.
- All pump stations have been maintained to a high standard and pump inspections have been carried out as per the frequencies set out in the AMP.

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 Rivers Scheme

For the 6 months ending 31 December 2023

Line	Year to date		Variance		Variance Commentary	Annual		Variance		
	Budget	Actual	\$	Variance indicator		Budget	Forecast	\$	Variance indicator	
		\$000				\$000				
Operating revenue by class										
1	General rates	160	160	(0)			320	320	(0)	Lower
2	Targeted rates	1,505	1,505	0			2,896	2,896	0	Higher
3	External interest income	33	106	73	Higher	Additional interest received due to higher interest rates	66	139	73	Higher
4	Other revenue	1	0	(1)		Invoicing to Department of Conservation for rates in lieu still to be undertaken	33	32	(1)	Lower
5	Investment income	216	216	0			432	432	0	Higher
6	Total revenue	1,915	1,987	72	Higher		3,748	3,820	72	Higher
Operating expenditure by class										
8	Administration expenses	4	17	13	Higher		8	20	13	Higher
9	Grants and subsidies	0	3	3	Higher		0	3	3	Higher
10	Other expenses	240	512	272	Higher	Additional fuel has been required to run pumping stations within the scheme along with additional materials for Mangakakahi Stream erosion works and a replacement VSD for a pump station	493	820	328	Higher
11	Consultancy fees	0	3	3	Higher		0	3	3	Higher
12	Contract work	270	319	49	Higher	Maintenance works are slightly ahead of budget however this is being closely monitored by the Ops Manager and should end close to budget at year end	773	768	(5)	Lower
13	Depreciation and Amortisation	293	293	0	-		586	586	0	-
14	Subtotal - expenditure	808	1,147	339	Higher		1,859	2,200	341	Higher
15	Net overhead charges and recoveries	776	755	(21)	Lower		1,552	1,531	(21)	Lower
16	Total operating expenditure	1,584	1,902	318	Higher		3,411	3,731	320	Higher
17	Total operating surplus (deficit)	331	85	(246)			337	89	(248)	

Bay of Plenty Regional Council - Toi Moana

Statement of revenue and expense: Kaituna Catchment Rivers Scheme

For the 6 months ending 31 December 2023

	Year to date		Variance		Variance Commentary	Annual		Variance	
	Budget	Actual	\$	Variance indicator		Budget	Forecast	\$	Variance indicator
	\$000					\$000			
18 Capital revenue by class									
19 Capital funding	899	133	(766)	Lower	Some funding for Ngongotahā civil works from Climate Resilience fund has been received it is expected that this project will meet it's milestones in 2025 when full funding will be received.	1,799	133	(1,666)	Lower
20 Total capital revenue	899	133	(766)	Lower		1,799	133	(1,666)	Lower
21 Total surplus (deficit)	1,230	218	(1,012)			2,136	222	(1,914)	
22 Capital expenditure by project									
23 Kaituna Pump Replacements	0	177	177	Higher		600	552	(48)	Lower
24 Kaituna Flood Damage Repairs	0	23	23	Higher		0	23	23	Higher
25 Kaituna pump station electronic upgrades	0	40	40	Higher		0	40	40	Higher
26 Ford Road Pump Station	3,152	104	(3,048)	Lower	Pump units are on order but have 12 month lead time. Likely to be carried forward to 2025	6,804	2,782	(4,022)	Lower
27 Te Puke Stormwater project	500	299	(201)	Lower		1,780	1,614	(166)	Lower
28 Kaituna Mole	0	5	5	Higher		0	5	5	Higher
29 Upper Kaituna stopbank modelling	0	4	4	Higher		0	4	4	Higher
30 Ngongotaha Stream Civil Works	847	710	(137)	Lower	This project is expected to be completed in 2025	1,694	910	(784)	Lower
31 Upper Kaituna design	29	0	(29)	Lower		58	29	(29)	Lower
32 Lower Kaituna modelling	29	0	(29)	Lower		58	29	(29)	Lower
33 Kaituna unplanned capital	0	88	88	Higher		0	88	88	Higher
34 Total capital expenditure	4,557	1,451	(3,106)			10,994	6,077	(4,917)	

MEMORANDUM



To: Kaituna Catchment Control Scheme
Advisory Group

From: Kirsty Brown
Rivers and Drainage Assets Manager

Date: 19 February 2024

File Ref: A4601951

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 on 23 February 2024. Please note that meeting minutes were not available at the time of writing this report.

Item 9.1 - New contract to support Te Maru o Kaituna River Authority

To seek TMoK approval to allocate \$10,000 co-funding towards the new TMoK support contract.

Item 9.2 - August 2023 - January 2024 TMoK Biannual Report

To provide an update of Outputs within the Te Maru o Kaituna Action Plan for the following projects:

- Project 1 - Lowland Drains and Drainage Canal Improvement
- Project 2 - Freshwater Quality and Quantity Limits
- Project 3 - Consented Takes and Discharges
- Project 4 - Focus Catchments
- Project 5 - Farm Environmental Plans
- Project 6 - Post Kaituna River Rediversion Enhancement
- Project 7 - Wetland Re-Creation
- Project 8 - Kaituna Habitats Network
- Project 9 - Pataka Kai
- Project 10 - Kaituna Community Connection
- Project 11 - Kaituna River Access
- Project 12 - Kaituna Cycleway/Walkway
- Project 13 - Kaituna Cultural and Historical Heritage
- Project 14 - Upper Catchment 'Gateway'
- Project 16 - State of the Awa Integrated Monitoring and Reporting
- Project 17 - Kaituna Catchment Network Mapping

Item 9.3 - Long Term Plan 2024-2034 Consultation

To inform TMoK of the draft Long Term Plan 2024-2034 that Toi Moana will be consulting on, including the kaupapa Māori initiatives that have a direct impact on Māori partnerships.

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 'K. 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: 21 February 2024

File Ref:

Subject: General Business

1 Kaituna Rating Update

A minor review of the Scheme's rating system was conducted in 2021/22 by Simon Harris of Land Water People (LWP) Ltd. This led to minor modifications being made to the rating classification, which were implemented through the 2022/23 Annual Plan.

During the rating review process, it was agreed to postpone the assessment of the Te Puke area until the optioneering process was completed. This was to ensure that accurate information would be available to support any adjustments to the rating classifications for this area.

There has been a delay in commencing the final stage of the rating review for the Te Puke rating area due to modelling queries. In the interim, staff have been in contact with LWP, who has agreed to undertake the review once the necessary information is available.

2 Room for the River - Kaituna River

Room for the Rivers is a global approach to river management that allows rivers to gradually reclaim some of their natural flood flow-paths that have been constrained over time. The Council is slowly adopting this approach to determine optimal river management solutions.

Council has started evaluating and implementing Room for the River techniques in some of our upper river catchments on the Rangitāiki and Whakatāne Rivers, to trial the efficiency and effectiveness of this approach for the Bay of Plenty.

Room for the Rivers is not a one-size-fits-all solution. This approach ensures that river management decisions are both environmentally sustainable and economically viable in the face of a changing climate, while prioritising affordability for targeted ratepayers.

At a whole-of-catchment scale, the River Scheme Sustainability Project will continue to be Council's key strategic project that explores implementation of Room for the Rivers as part of our adaptation to climate change.

For the Kaituna Catchment Control Scheme, the RFTR approach is currently not being applied. Under the Rivers Scheme Sustainability Project, options will commence in 2024/25.

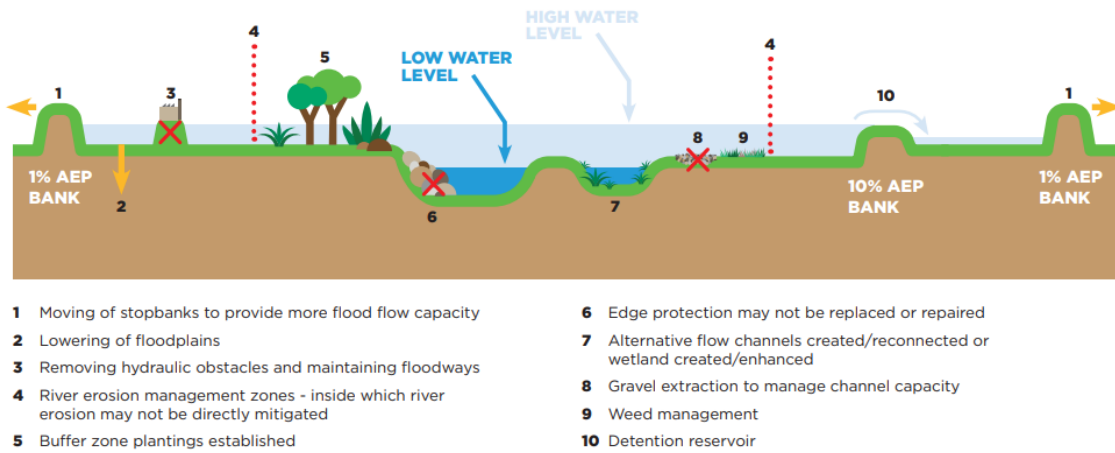


Figure 12 illustrates potential options when considering Room for the River.

Kirsty Brown
Rivers and Drainage Assets Manager