

Notes of the Kaituna Catchment Control Scheme Advisory Group meeting held at Comvita NZ Ltd, Paengaroa, on Wednesday, 05 September 2018, commencing at 10am

- Chair:** Councillor Bill Clark
- Advisory Group:** Barry Roderick, Dave Hurst, Graham Thompson, Peter Dine, Richard Weld, Roger Hintz, Kevin Marsh (Western Bay of Plenty District Councillor)
- BOPRC Councillors:** Councillor Norm Bruning
- BOPRC Staff:** Roger Waugh (Rivers and Drainage Asset Manager), Jo Heath (Asset Management Coordinator), Bruce Crabbe (Rivers and Drainage Operations Manager), Tony Dunlop (Flood Repair Project Engineer), Andy Dixon (Accounting Team Leader), Pim De Monchy (Kaituna Catchments Manager), Mark Townsend (Engineering Manager), Chris Ingle (General Manager Integrated Catchments), Nic Newman (Principal Advisor).
- Public:** Noel McLeod
- Apologies:** Warren Webber, Councillor Jane Nees, Roger Hintz (for lateness), Kerry Smith, Kelvin O'Hara, Cor Verwey
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1 Welcome

Councillor Clark welcomed everyone to the meeting. Roger Waugh introduced Nic Newman who is looking at the Rivers Scheme Advisory Groups to identify any opportunities for improvement.

2 Apologies

Apologies received as recorded above.

3 Notes of previous meeting held 19 February 2018

Resolved

That the Kaituna Catchment Control Scheme Advisory Group:

- 1 Confirm the notes of the meeting held 19 February 2018 as a true and correct record.

Marsh/Roderick
CARRIED

4 Matters arising from previous meeting

The actions from the previous meeting were discussed.

- Long Term Plan submission was made on behalf of the Advisory Group requesting a rating review for the Kaituna Scheme. Council has approved \$30,000 in 2018-2019 for an investigation of the rating schemes and money has been allocated to undertake

one scheme review in 2020-2021 and another in 2021-2022. The investigation this financial year will determine which schemes get reviewed and when.

- Wet spot in stopbank on Doug Pamment's property has been investigated. No obvious cause was found so a geotechnical assessment is being undertaken.

Other matters arising

- *Western Bay of Plenty District Council stormwater consent.* Lodged a number of years ago and placed on hold by the Consent Authority to enable further work to be done and consultation carried out. The Kaituna Catchment Control Scheme is an affected party. Western Bay of Plenty District Council currently has a Draft Catchment Management Plan open for submissions until 4pm Friday 19 October 2018 <https://haveyoursay.westernbay.govt.nz/cmp>. The plan provides an integrated and comprehensive approach to the management of stormwater.
- *Pukepine stormwater consent.* No change since last meeting – still waiting on a hearing date.

General comment from members about consent processes dragging on and taking too long. Rather than trying to accommodate all parties they should go straight to hearings.

5 Operations report

5.1 Upper Kaituna Scheme Works update

Bruce Crabbe spoke to the report provided in the agenda pack. Key points were:

- Two significant flood events in the upper Kaituna this year (29 April and 5 June)
- Approximately 70 damaged sites on the Ngongotahā and Waitetī Streams and a further 150 damaged sites across the four main Rotorua urban streams/tributaries. All sites have been assessed and prioritised.
- Repairs to 60 sites completed to date. Mainly high risk sites and the small vegetation removals that could be carried out without machinery while ground conditions are still poor.
- A works foreman has been employed for a two-year period to focus on flood repair works in the Upper Kaituna and be proactive with maintenance work.
- Access issues to waterways within residential areas and areas with stream side plantings. Working closely with Rotorua Lakes Council to ensure improved access as sites are repaired. Also working with Care Groups providing direction for future stream side plantings and track work.
- Innovative remote control tracked mower being used on the Waingaehe Floodway to access areas that conventional mowers can't get. Mower can demolish blackberry and gorse up to two metres high.

5.2 Lower Kaituna Scheme Works update

Bruce Crabbe tabled the maintenance work programme for the lower Kaituna. Key points were:

- Capital project to replace collapsed McKenzie culvert (\$25,000).
- A number of extraordinary works resulted from the Bell Road ratepayer meeting on 22 June 2018 (Bell Road culvert floodgate installation and various other culvert installations). Bruce also updated members on other actions from the meeting and provided timeframes for a number of items.
- New outlet planned for Bell Road A pump station to make mobile pumping more efficient.

Discussion

- In response to a question about climate change it was explained that 100 year projections indicate temperatures will be 2-3% warmer and there will be 20-24% more rain per rain event. As an example, a 1% AEP event in the Kaituna is currently 400m³ and in 100 years' time this could be 20% greater. Another way to look at it is that a 10-year event now could be an annual event in the future.
- Mobile pumps have been purchased for Marshall and Armer Farms as a short-term fix for the effects of Te Puke Stormwater on the scheme. The two pumps were installed in March and are operating successfully with positive feedback from landowners.

6 **Flood Repair Project report**

Tony Dunlop spoke to the report provided in the agenda pack and delivered a PowerPoint presentation showing progress with the April 2017 Flood Repair Project.

- 45 repair sites in the Kaituna Catchment (520 sites across the region)
- As at 30 June 2018 six Kaituna sites completed.
- Plan to complete repairs to 50% of the Kaituna sites in 2018-2019.
- Unrepaired sites are being monitored closely – some sites are getting worse, some are starting to 'self-heal' and in some situations changes to the initially intended repair method are needed.
- Rock and contractor availability has been an issue. Currently looking as far as Matamata for rock. Estimated that 300,000 tonne of rock is required over the four year project. Typically the rivers schemes would need a tenth of that amount.

Attendance

Roger Hintz joined the meeting at 10:45am.

- Repair work funded through insurance (40% of 'like for like' repairs), central government assistance through the Ministry of Civil Defence and Emergency Management (60% of existing essential infrastructure repairs), minor funders like NZTA and First Gas where appropriate, targeted rates (80%) and general rates (20%).
- There are a lot of new assets being created. These are not covered by insurance and are not eligible for central government funding.

7 **Engineering report**

7.1 **Utuhina Stream upgrade**

- Surveying to support model extension completed.
- DHI commissioned to extend the existing stream model further up Utuhina Stream and also include Otamatea and Mangakakahi Streams.
- \$100,000 available this year for modelling. Modelling report will inform the preparation of flood hazard maps and a flood assessment.
- Will then work with Rotorua Lakes Council on possible solutions to achieve the 1% AEP (Annual Exceedance Probability) level of service.
- Construction planned for 2019-2020 and 2020-2021.

7.2 **Ford Road Pump Station upgrade**

- Initially 14 location options evaluated with seven shortlisted for further investigation.
- Ecological survey undertaken to assess the environmental effects of each option.
- Due to the complexity of the issues, conflicting objectives and the involvement of multiple stakeholders with diverse views, decision made to undertake a second multi-criteria analysis on five of the options.

- Results currently in draft form awaiting feedback from technical experts and further consultation with iwi on cultural effects.
- Project Options Study Report and Business Case will be presented to Council by June 2019.
- Consenting (\$80,000) and design (\$200,000) of the new pump station will occur in 2019-2020.
- Construction planned for 2020-2021 (\$2.2m).

7.3 Kaituna Mole

- Concept design completed and upgrade was scheduled for 2017-2018. Work deferred due to commitments generated by April 2017 flooding.
- Intent was to schedule the mole work when road was closed for the Kaituna Re-diversion works. This is no longer possible so construction now delayed until after the re-diversion contract is completed.

7.4 Kaituna River desilting

- As canal water reaches the river the flow slows down and sediment is deposited at the outlet.
- \$150,000 available in 2018-2019 for desilting the canal outlets. Important to ensure resources are not being spent on desilting these areas only to find they are silted up again in a year's time.
- Site visit and discussion planned for 20 September.

7.5 Bell Road Drain modelling

- Staff and consultants representing NZTA, Tauranga City Council and Bay of Plenty Regional Council have continued to work collaboratively on the effect of the Tauranga Eastern Link mowing culvert on the Bell Road drainage system.
- DHI engaged by Bay of Plenty Regional Council to produce a calibrated model of the Bell Road sub-catchment. Have had difficulties calibrating the model against recorded data from the April 2017 storm event. Important to take the time and get the model right as it is informing big decisions.
- Once model calibrated the drainage network can be checked to see if it meets the required level of service, and the mowing culvert can be assessed as to whether it restricts flow and therefore does not meet consent requirements.
- If Bell Road sub-catchments capacity is affected, NZTA will engage DHI to model options to return it to its required capacity.

Discussion

Members provided examples of changes they have observed since the Tauranga Eastern Link was constructed:

- Noel McLeod observed that they never had flooding until the Tauranga Eastern Link went in and now during a flood event the water is lapping around the houses.
- Bell Road C Pump Station was designed for a 5-year event and to only pump two-three days yet it has already done 2000 hours so something has changed within the catchment.

8 Finance report

Andy Dixon spoke to the finance report provided in the agenda pack giving an overview of the scheme's revenue and expenditure for year end 30 June 2018. Key points were:

- Kaituna scheme has high reserve balances and is in a good financial position. The flood reserve is being used to minimise the 2018-2019 rate increase to 4% when the Long Term Plan estimated increase was 5%.
- Contract Work underspent because flood repair works have been reclassified from maintenance to capital works. This has resulted in a corresponding overspend in capital expenditure.
- Reserve balances as at 30 June 2018 were \$5,404,148 made up as follows:
 - Flood Damage Reserve \$2,591,723 (this is contingency cash held for flood damage works and is currently held on term deposit)
 - Asset Replacement Reserve \$832,407 (available to fund capital spend on renewal of assets)
 - Works Reserve \$758,336 (available to fund operating expenditure)
 - NZTA Reserve \$462,735 (funds from NZTA compensation, invested and earning interest)
 - Kaituna Re-diversion Remediation \$462,735 (funds from re-diversion project for adverse effects mitigation, invested and earning interest)
 - General Reserve \$189,584
- Outstanding Loans \$3,831,637
- Kaituna Asset Valuation 1 July 2017 \$62,923,249 (currently being revalued)

9 Kaituna Integrated Catchment update

Pim De Monchy delivered a PowerPoint presentation providing an update on land management activities in the Kaituna Catchment. Key highlights for 2017-2018 were:

- [Kaituna, he toanga tuku iho – a treasure handed down](#) – The Kaituna River Document completed. This document and a [summary document](#) are available on the Regional Council website.
- 33 km of waterways protected within the catchment.
- Priority biodiversity sites protected.
- Nearly 10 ha of new wetlands created.
- Te Pourepo o Kaituna wetland creation. Project aims to create between 45 and 80 ha of new wetland between the Kaituna River, the Lower Kaituna Wildlife Management Reserve and the Tauranga Eastern Link motorway. If members of the Advisory Group have any particular preferences on how this wetland restoration project should be designed and implemented, please provide feedback directly to Courtney Bell courtney.bell@boprc.govt.nz or 0800 884 881 extn 8520.
- Kaituna Re-diversion construction started and has a completion date of June 2020. Construction contract cost is \$13.5m. Next community meeting planned for 7 November.
- 20,000 plants planted at Papahikahawai.

Pim outlined a proposal for the Kaituna Catchment Control Scheme to contribute \$500,000 towards the Kaituna Re-diversion Project where the project delivers scheme upgrade work included in the Long Term Plan (i.e. stopbank raising, toe-loading to reduce risk of piping failure, and construction of a two-lane safe crossing of Ford Road Drain into the boat ramp carpark). The decision to do this will be made by Council prior to the budget being brought forward.

Discussion

- Members concerned that this proposal has landed on the table after the project has started. Feel that costs associated with re-diversion project should not be to the scheme. Chris Ingle agreed that the re-diversion project should be cost neutral to the

scheme. In this instance it is about making the re-diversion project work within budget by incorporating already planned scheme work into the re-diversion project. The scheme work will happen earlier than planned and will be of benefit to the scheme.

- Concern expressed about work along Ford Road drain creating a hazard where the shoulder of the road drops straight off into the drain. Pim explained that the shoulder will be planted out as per best practice drain management.
- Damage to Te Tumu Road from heavy vehicles working on the re-diversion project was discussed. Pim explained that a minimalist approach to road maintenance is being taken during the re-diversion project. Regional Council has paid an amount for road restoration and once the project is complete the damage to the road will be fixed.

10 General business

10.1 Advisory Group continuous improvement

Nic Newman has been tasked by the Chief Executive to look at the advisory groups and identify any opportunities for improvement. Members discussed and provided feedback to Nic and additional comments can be emailed to nic.newman@boprc.govt.nz. A report of findings will be fed back to members.

10.2 Other

- Further information provided on Pukepine consent. Regional Council compliance team is working with Pukepine to fix an issue with their on-site treatment ponds. Wanting to get this issue sorted before the consent goes to the hearing stage which will be before the end of the year. Original consent expired in May 2017 and currently operating under Section 124 rights, which allows the discharge to continue subject to the conditions of the expired consent, until a new consent is issued.
- Cycleways on stopbanks discussed. Being driven by local authorities because there is a demand for cycleways. Currently a cycleway from Bell Road to Te Tumu Road with a branch to Pah Road. Idea is to provide a link to Ford Road. Farming members of the Advisory Group expressed reservations with this idea.
- Independent review of the Ngongotahā Floods is expected to be released by Rotorua Lakes Council in mid-October.
- Regional Council scientists have conducted a study of water quality in drains across the region. The technical report is currently in a draft form and will be released shortly.

Meeting ended: 1:00 pm