

Raupo drainage management and performance report

Meeting: Raupo Drainage Committee
Date of meeting: Thursday 21 May 2020
Reporting officer: Wayne Crump, Land Drainage Co-ordinator
Gavin Dawson, Governance Advisor

Purpose/Ngā whāinga

To update the Committee on the activities and performance of the Raupo drainage district.

Recommendation/Ngā tūhunga

That the Raupo Drainage Committee:

- a) Notes the Raupo drainage management and performance report.

Discussion/Ngā kōrerorero

Flood Gates Maintenance

Flood gate No 24 (McKinley) has had the sluice gate removed and guide rails replaced. The sluice gate assembly has been reinstalled and extra concrete dyna bolts have been fitted.

Flood gate 39 (Westlake rd.) has had the flood gate door lifting beam supports sand blasted and painted.

Flood gate No 53 has had the small sluice gate door freed up and an adjusting chain fitted.

Flood gate No 1 has had all three doors removed to remove rust and have been sandblasted and painted. The spare door has been painted and is stored at the Raupo yard. Marine Anti-foul paint has been applied to the steel doors. The three lifting winches have been serviced at this time.

New door supports have been fabricated and fitted to the Flood gate No 6 (Tramline Rd)

Flood gate outlets No 20 (Old Maori), No 24 (McKinley / Galvin rd), No 2 (Gent , No 40 & 41 (Double Creek) have been machine cleaned. Flood gate outlets No 24 and 2 require sluicing once we get some winter weather to help lower silt levels.

Debris has been removed from the following flood gates No 2, 38, 33

Flood gate No 1004 (Batcher/ Ringrose) requires replacement. A 450 dia plastic culvert is to be installed with a new flood gate door assembly.

Machine cleaning

Machine cleaning has been completed in No 39 (Robertson Rd Fenny).

Machine cleaning has been completed in drain No 53 outlet below the flood gate to as far as we could safely get the machine. This was done with Jenyns & Jenyns new quick hitch, long reach extension which worked well.

The bottom section of drain No 20 (Old Maori) has been machine cleaned to remove silt ingress from the sluice gate operation.

Huband contracting have completed machine cleaning of G canal from the Double creek bridge, on both sides of the canal, to SH12 bridge. Cleaning has also been completed on G canal from Johnsons bridge (North Ash) to above the wintering pads. Jenyns & Jenyns are to complete the machine cleaning to Tramline Rd.

Machine cleaning has been completed in drain No 24 (Galvin rd) from flood gate No 24 (Mckinley) to drain No 2. Works began in December 19 but were delayed until the flood gate outlet could be cleaned to lower the water levels above SH12. Traffic management was required in sections of the drain that had to be cleaned from the roadside and 4 culverts, including Williams road, were cleaned out at this time.

Stopbanks

Stopbank improvements have been completed on a section of stop bank from the bottom of K canal (Scott property) to Donovan's. Levels were taken along the stop bank showing the lowest area to be 2.75m above mean sea level. The Improved section has been raised to 3.5m above MSL. Once stripping the bank area of vegetation, fill was obtained to top up the stop bank from borrow pit area.

The stop bank was track rolled and shaped then the vegetation layer spread back over the bank. Fill had to be imported from Scott property for two access points up on to the stop bank. The borrow pit drain and flood gate outlets No 8 (Donovan) and No 66 (Scott) were machine cleaned at this time. The total length of the stop bank improved was 920m at a cost of (\$39.93 per m) \$36,740.00. Levels taken from sections of the stop bank from SH12 alongside K canal (3.30 > 2.86 above MSL) show this also requires some improvement.

The stop bank area from Ruawai to Awaroa will require debris removal and spall placement over the winter months

Pumps

The flood pump requires a pre-winter inspection and the repaired strobe light fitted.

Drain Spraying

The first round of the districts drain spray was completed in December.

Spraying of identified tobacco and wattle trees / pampas / and blackberry was completed in February
 An interim spray of drains (43,50,53,87,100,4,39,45,3,20,2627,28,6,10,13,16,17,62) was completed in March.

Round two of the districts drain spraying is presently underway

Miscellaneous

Crompton Engineering have fabricated a culvert cleaner which has been used successfully in cleaning culverts on Galvins / Williams Rd.

The stop bank cycle way area has been graded to help fill cracks which appeared along the top of the bank. These appear to be closing slowly with the recent rain.

Governance matters

There have been requests to clarify the process of how decisions that fall outside the scope of the Committee Terms of Reference.

The process is outlined below:

- The Committee identify a matter that needs to be addressed and requests at a formal meeting to have a decision report provided at the next formal meeting of the Committee
- The report is provided at the next formal meeting, and the recommendation to be considered by the Council voted on
- The Governance Advisor will forward the recommendation with a report to a Council meeting, where the Council will consider the matter and vote accordingly
- The result is reported back at the next formal meeting of the Committee.

In order to make it work effectively, there is need to plan ahead to meet Council meeting deadlines and requirements. The low frequency of meetings during the year does present a challenge in getting concerns of the Committee into a decision meeting of the Council. An approach needs to be developed which is fit for purpose and can be provided for at existing resourcing levels.

Long Term Plan (LTP) input

Input into the Council is needed from the Committee. Its involvement in the development process is needed to ensure that the Raupo drainage area is appropriately funded and future projects can be developed. Council staff will be working with the Committee to ensure that input of the future investment in the drainage area. The process will be through informal feedback sessions facilitated by Council staff outside of formal Committee meetings.

Significance and engagement/Hirahira me ngā whakapāpā

The decisions or matters of this report do not trigger the significance criteria outlined in Council's Significance and Engagement Policy, and the public will be informed via agenda on the website.

Next steps/E whaiake nei

Action points from this report will be recorded and implemented by Council staff.