

**From:** Robert Rose  
**Sent:** Tuesday, 23 May 2023 1:59 pm  
**To:** Wendy Thompson  
**Subject:** Pukepuke LAgoon

Hi

I looked at this last night and there is quite a bit of data that has been collected pre 2001 to help with the preparation of a report.

- Fish and Game complete a survey every year (We have the 2001 to 2022 data) need the 2023 data set.
- Horizons have a historic record of water level data from the two staff gauges prior 2001, (this will exceed the 5 measurements a year) (Information request will get this information). This should get us the base line data that we need as well.
- Horizons take photos every time they take a reading (Information request will get this information).
- I talked to Chris from Ngati Apa and Naka Taiaroa has passed away. He mentioned that one of their members, fish at the Lagoon periodically and they will be able to provide some information around trends. We may need to formalise something in this space and potentially ask for nets to be laced once or twice a year to get accurate information.

So the only gap in the required monitoring is inundation on Landcorp land. We should be able to make contact with the manager on this site and address this gap. As we need to determine if the flooding is related to the weir we should be asking them to contact council so we can complete a site visit to document the inundation.

We can make information requests to Fish and Game and Horizons on an annual basis. In relation to the Horizons data we can get the information automatically forwarded to us through out the year.

Actions:

- Council prepare an annual report to summarise the monitoring, We should set a date and stick to it ie 1 May every year. This aligns with the mechanical works window of 1 May – 1 September window
- Create a map of the photo points and request the Department of Conservation to confirm if these points are acceptable. (photos once a year are required but every site visit should collect photos)
- Agreement with Ngati Apa to collate the eel number information only
- Council members should complete at least two site visits a year to collect detailed photos and assess weed growth. This will allow us to determine if we need to control weeds via spraying or mechanical means
- Complete a review of the spill way height (Clause r), base on the data we have (HRC data).
- Clause (s) requires the weir to function as a fish pass. We should review this as part of the site visit. Horizons staff who work with creating fish passages could assist in this space if required.
- Confirm if the stormwater scheme is working as designed

As the information we require from iwi is limited to eel numbers/ trends the associated costs should be minimal.

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