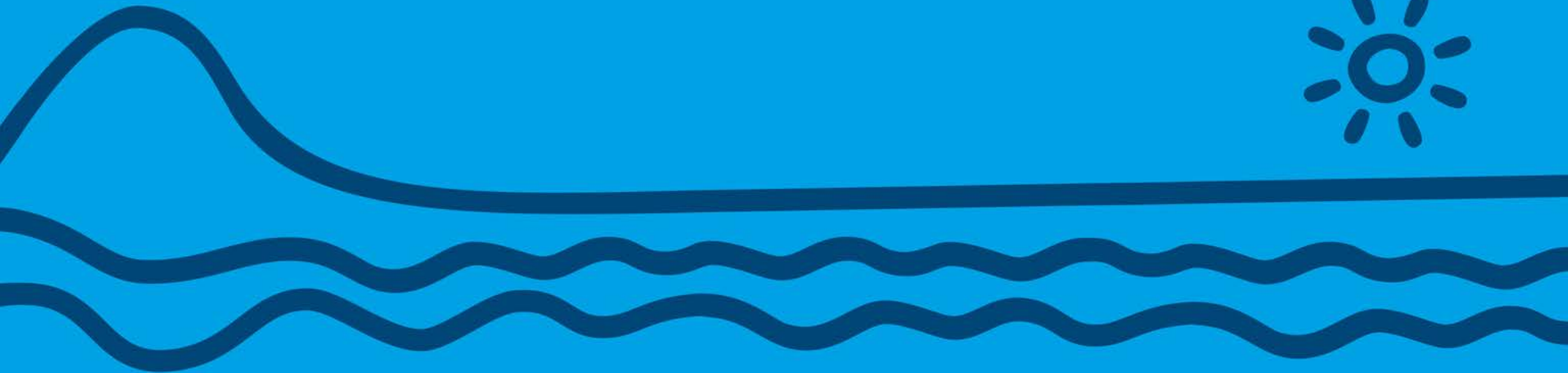


Kaituna Catchment Projects Update

Community Update Meeting, 18
September 2019





Meeting Agenda

- Kaituna River re-diversion & wetland creation
- Papahikahawai Island
- Seagrass transplants
- Ford Road pump station upgrade
- Water quality work
- Whakapoukorero wetland
- Inanga spawning enhancement (Kaituna river)
- Te Pourepo o Kaituna

Te Pourepo o Kaituna wetland creation project

Whakapoukorero wetland BMP

Spartina control

Kaituna river re-diversion & wetland creation

Inanga spawning habitat enhancement

Papahikahawai island restoration project

Maketū Spit BMP

Estuary monitoring





**Kaituna River Re-diversion
and Te Awa o Ngātoroirangi
/ Maketū Estuary
Enhancement Project**







Progress report

- Construction started 12 June 2018
- Scheduled completion this summer (19/20)
- 80% complete as at 18 Sept 2019
- 42,750 worker hours so far
- Main earthworks complete
- Culvert gate testing underway

Recent actions

*New diversion
channel complete*



*1st year wetland
planting*

*Gate testing
underway*

*Deepened
river loop*

*Boat ramp &
jetty near
completion*



*Salinity Block
Moorings under
construction*



*Te Pā Ika
shaping and planting*

[Flyover video](#)



Things to note

- Road closure during day until December
- Culvert commissioning this summer
- Whitebait stands within the Coastal Management Zone (red) must have a resource consent
- Whitebait stands along the river above the CMZ (yellow) must be smaller than 5msq, at least at 20 metres away from any flood gate, culvert, bridge, stopbank or confluence and meet other conditions or a resource consent is required



HORIZONTAL DATUM: New Zealand Geodetic Datum 2000. For practical purposes, NZGD2000 equates to WGS84 VERTICAL DATUM: Mean Sea Level. PROJECTION: New Zealand Transverse Mercator 2000 © Bay of Plenty Regional Council, 2013. © Sourced from Land Information New Zealand data. CROWN COPYRIGHT RESERVED

Whitebait stand rule areas

Projection: NZGD_2000_New_Zealand_Transverse_Mercator

SCALE 1:15,000

Date Printed:
30 August 2019

Papahikahawai Island restoration project



- 40,000 native coastal shrubs and wetland plants
- Pest animal & weed control programmes underway
- Surveying of chenier (sand bank) shows it is working well

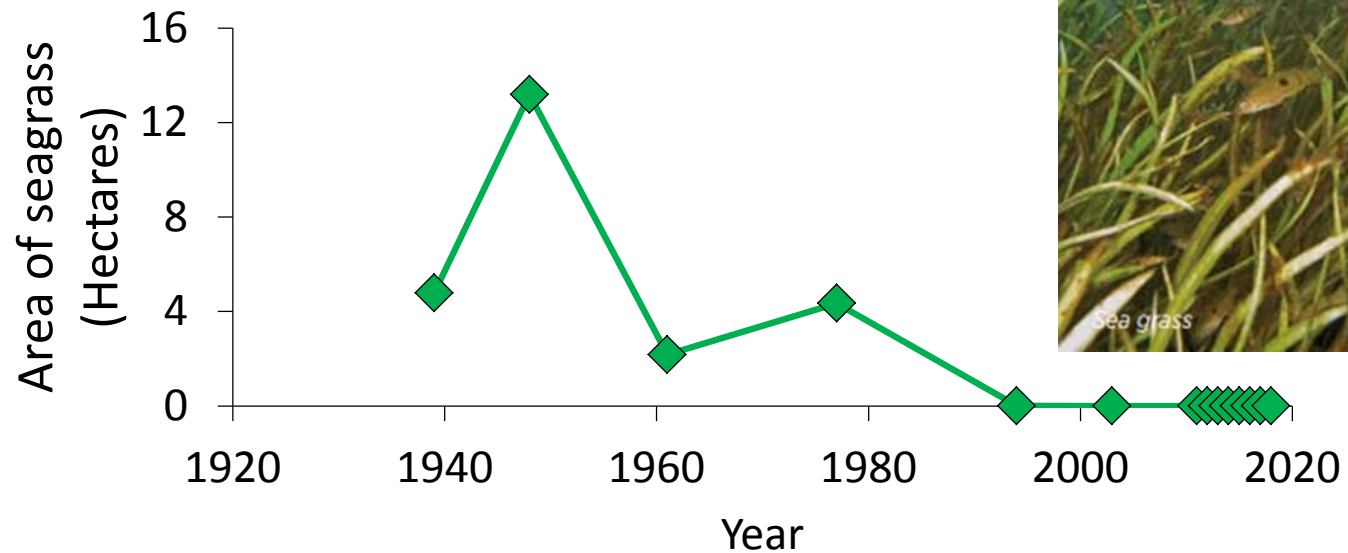


Maketū seagrass transplant trial



Maketū seagrass transplant trial

- Full loss of seagrass has occurred in Maketū estuary.
- Re-diversion project will increase freshwater flow and may allow the reintroduction of seagrass to the estuary.
- Transplants of seagrass shoots into the estuary will speed up the natural re-colonisation process.





Methods

- Identify sites suitable for transplant trials (field measurements, historical sites and local knowledge).
- Transplant seagrass clumps from suitable patches in Tauranga Harbour to Maketū estuary in early December.
- Monitor bi-weekly for recovery and expansion for the summer period then 6 monthly.
- Report back to group in a year on the success of the trial.



Water quality and the NPS-FW





Implementation implications

- Wetland earthworks & vegetation removal /culverts/fish passage
- Farm Planning
- Restrict intensification
- Control intensive winter grazing
- Control stock holding areas
- Reduce N in N-impacted catchments
- Irrigation
- Stock Exclusion
- Feedlots

Focus Catchments





Ford Road Pump Station Upgrade





What work is planned?

- The Ford Road pump station is a key asset in the Kaituna Catchment Rivers and Drainage Control Scheme. It's maintained by Council on behalf of the community.
- The existing Ford Road pump station is nearing the end of its useful life, and needs replacement in order to maintain safe operation and current service levels.
- Potential to include Maketū Rd and culverts too.



Whakapoukorero wetland Biodiversity Management Programme





- Improved wetland water levels
- Controlling weeds and replanting native wetland plants



By de Ley wetland

Ongoing pest plant and pest animal control, wetland enhancement and education work on importance of wetlands as fish spawning and rearing habitat



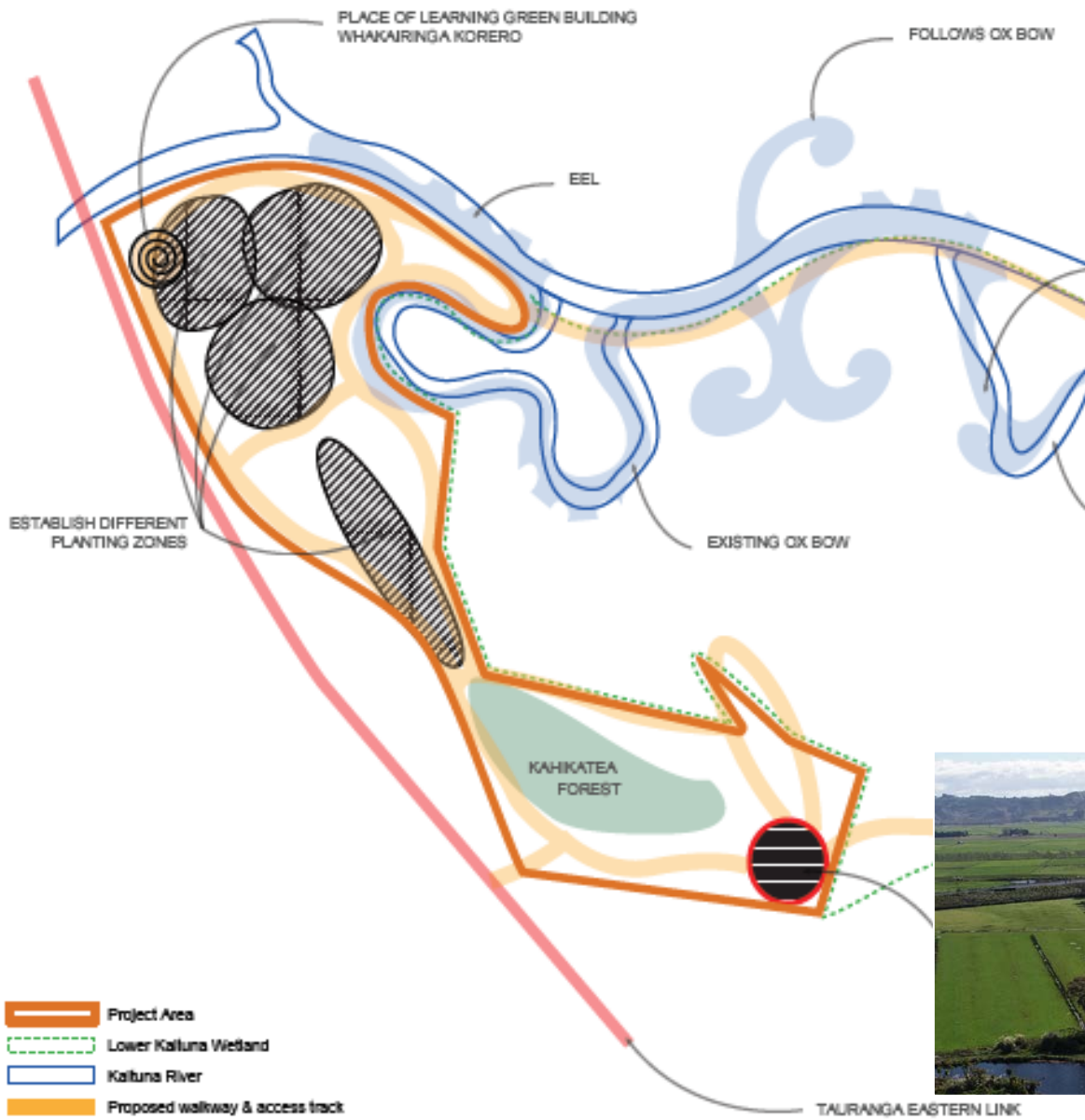


Te Pourepo o Kaituna wetland creation project





Wetland construction over past 5 years



Questions?

