

Wastewater Programme Update

Porangahau and Te Paerahi

18th March 2021



**#the BIG.
Waste Water Story**

Let us introduce you to...

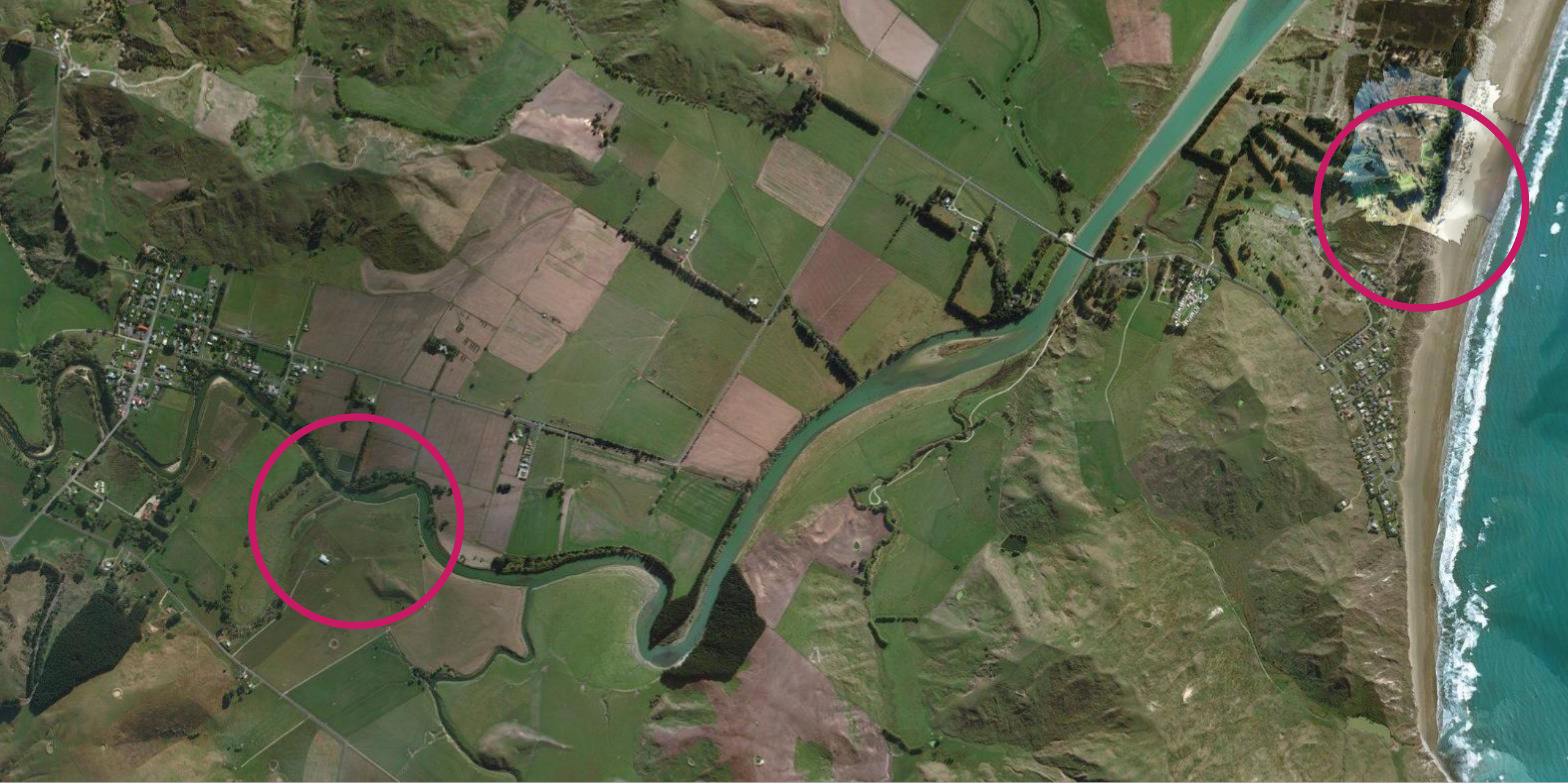
**#the BIG.
Waste Water Story**



<https://youtu.be/rrYpiPdfJkU>

**#the BIG.
Waste Water Story**





#theBIG-
Waste Water Story



Current Consent Status of Wastewater Plants

	Consent number	Granted	Last date for lodgment*	Consent expires	Discharge into
Te-Paerahi	DP030234La	14-May-12	14-Nov-20 14-Feb-21	31-May-21	Dunes via soakage
Porangahau	DP 030233W	22-Oct-09	14-Nov-20 14-Feb-21	31-May-21	Porangahau River



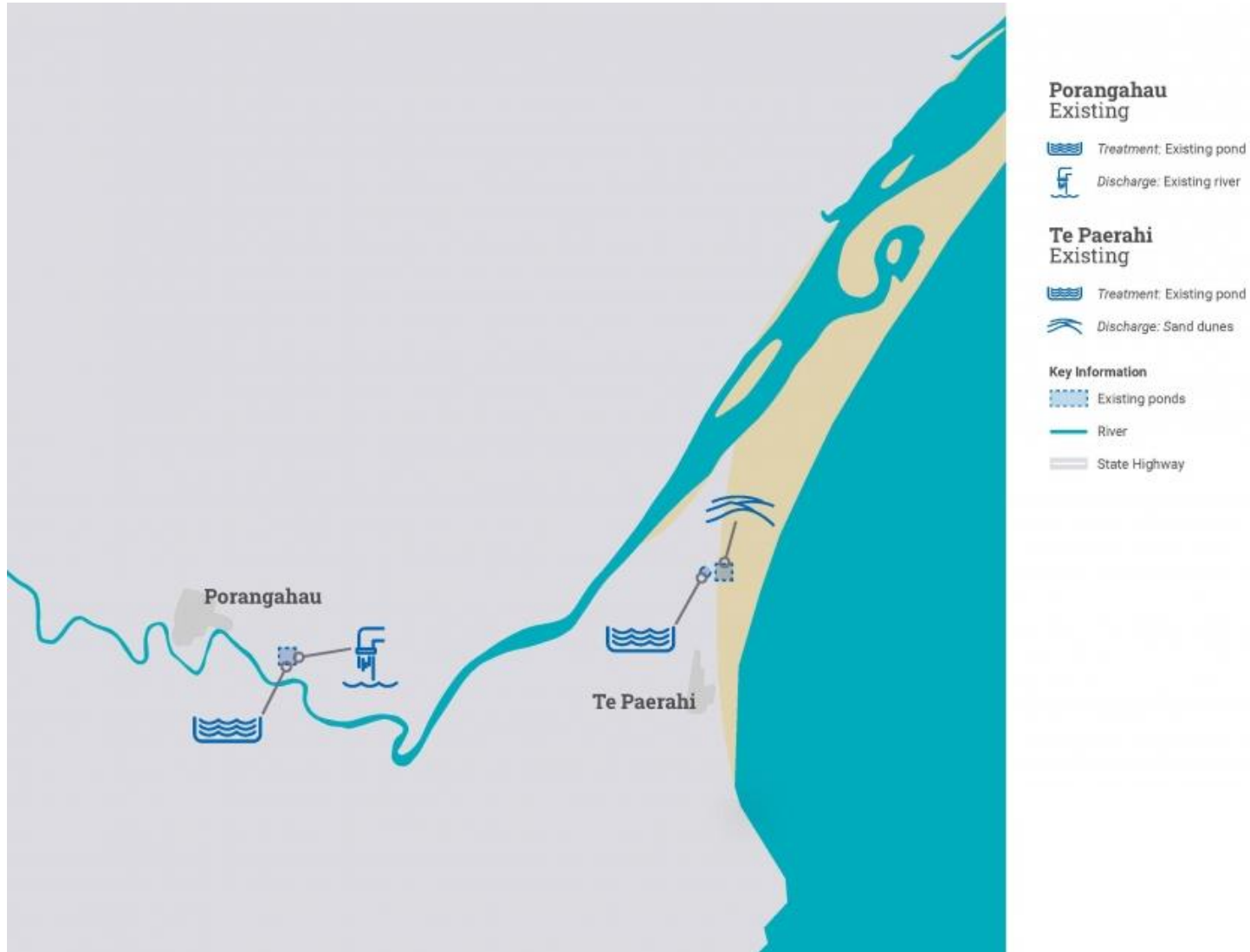
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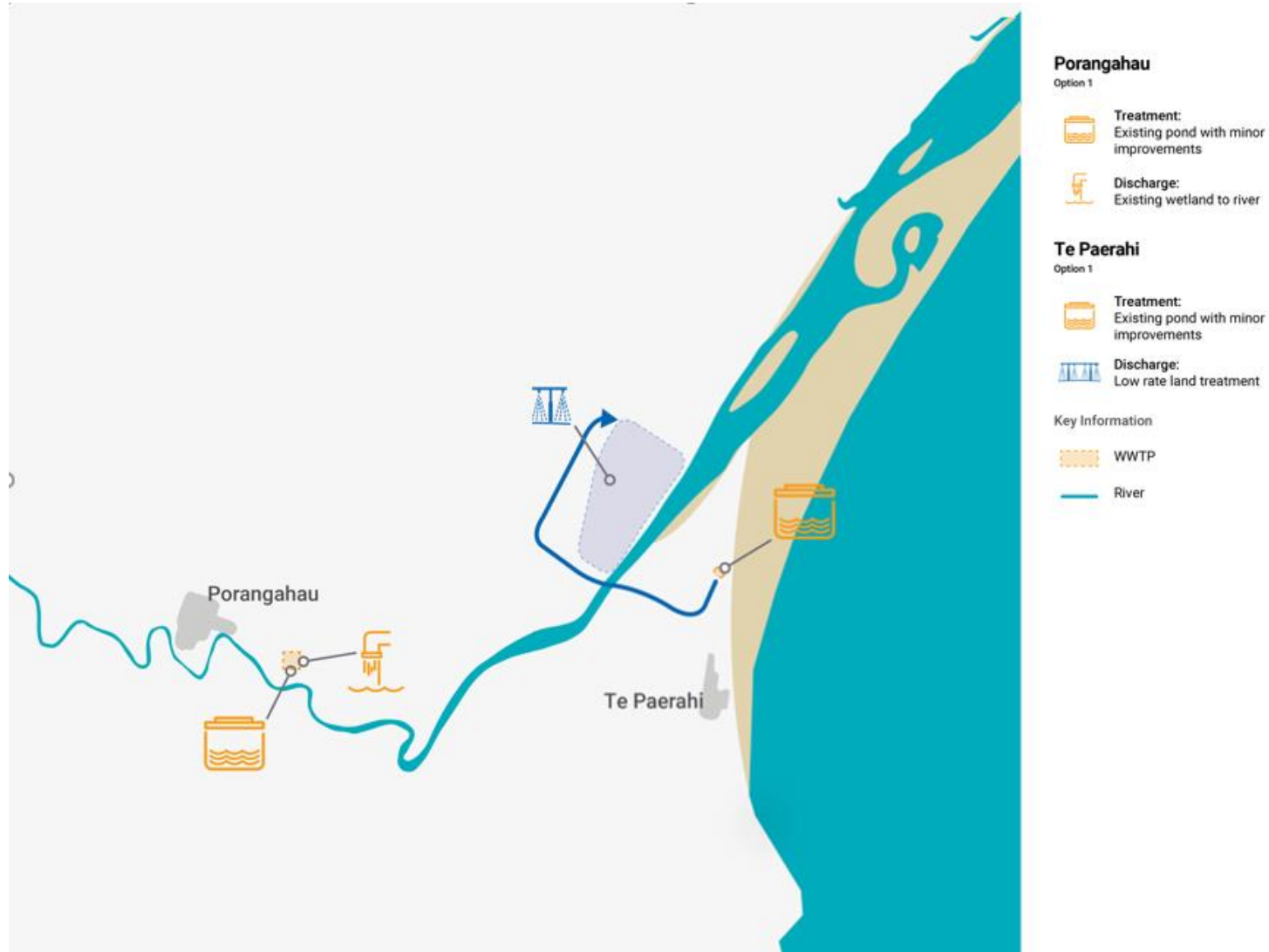
The Staging

Stage	Asset	Date range	Budget
1	Treatment improvements to existing ponds (UV, filtration, screens)	2021 – 2023	\$7.4m
	Pipeline from Te Paerahi WWTP to land discharge area		
	Establish high rate land dispersal		
	Install storage for times irrigation can’t occur		
	Establish initial irrigation for Te Paerahi flows		
Milestone	Irrigate to land flows from Te Paerahi, cease discharging to dunes		
Stage	Asset	Date range	Budget
2	Pipeline from Porangahau WWTP to land discharge area	2024 – 2027	\$2.4m
	Increase storage for times irrigation cant occur		
	Establish remainder of irrigation for all flows		
Milestone	Irrigate to land flows from Porangahau, reduce river discharge to emergency only		
Stage	Asset	Date range	Budget
3	New combined Wastewater treatment plant at new site	2028 – 2030	\$7.8m
	Decommission Te Paerahi pond, and downsize Porangahau pond		
Milestone	Treat wastewater from both towns at new wastewater plant Return Te Paerahi Wastewater Pond Downsize Porangahau Wastewater Pond to a storage pond for wet weather events only		

Status Quo



Stage 1 (2021 to 2023)



Stage 2 (2024 to 2027)





Porangahau

Option 2

-  **Treatment:**
Existing pond with minor improvements
-  **Discharge:**
Low rate land treatment
-  **Wet:**
Wetland to river

Te Paerahi

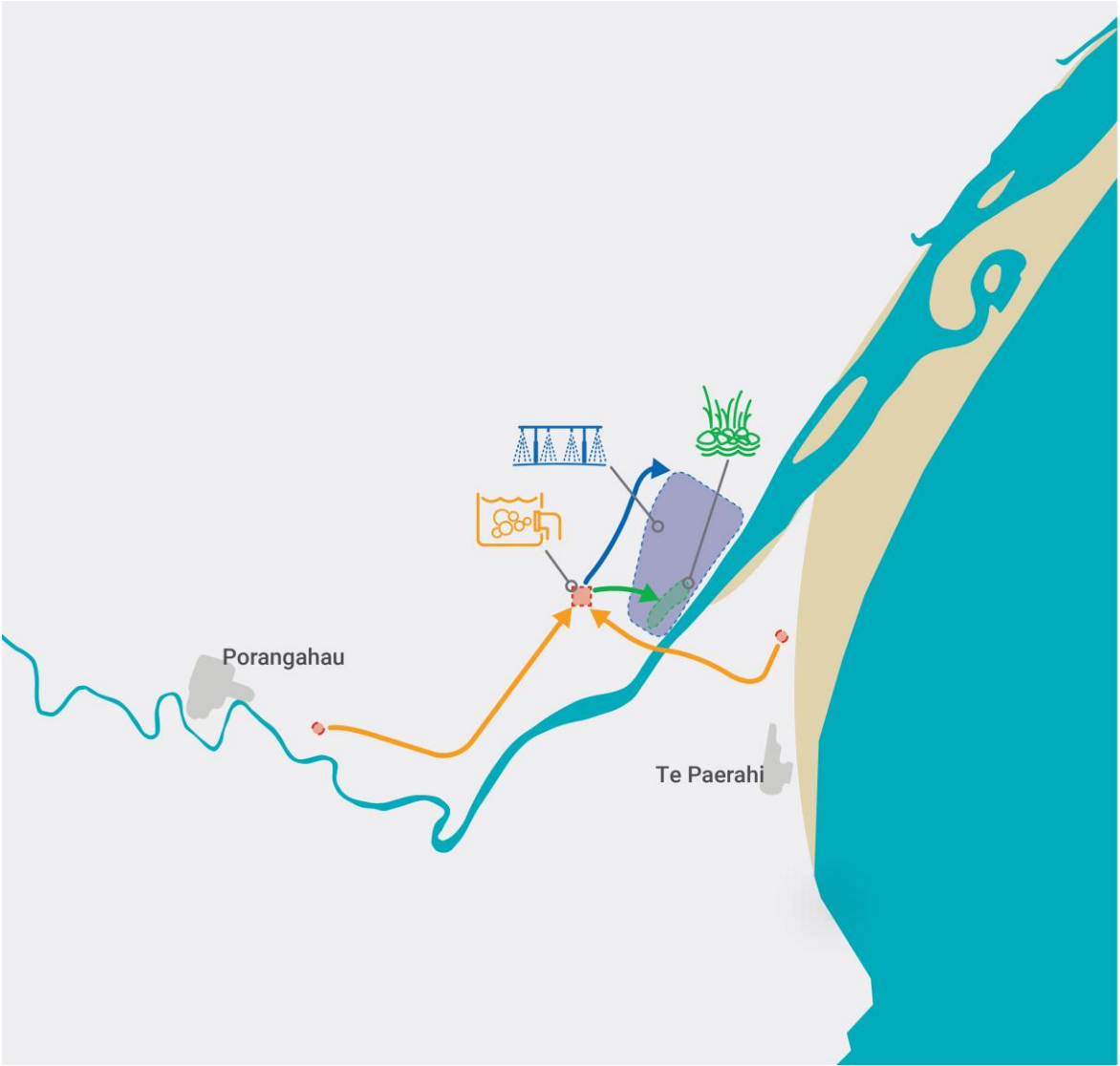
Option 2

-  **Treatment:**
Existing pond with minor improvements
-  **Discharge:**
Low rate land treatment

Key Information

-  Low rate land treatment
-  WWTP
-  River
-  Treated discharge pipeline

Stage 3 (2028 to 2030)



Porangahau

Option 3



Treatment:
New combined WWTTP



Discharge:
High rate land dispersal



Discharge:
Low rate land treatment

Te Paerahi

Option 3



Treatment:
New combined WWTTP



Discharge:
High rate land dispersal



Discharge:
Low rate land treatment

Key Information



Low rate land treatment



High rate dispersal



Pump station



River



Treated discharge pipeline



High rate treated
discharge pipeline

Next Steps....

We have lodged an interim consent application

- 4 years for Te Paerahi
- 6 years for Porangahau

Plan to lodge the longer term consent application by 30 June 2021

- Continued engagement with iwi, community and landowners

Plan to commence some works in late 2021, and then the remaining once consent granted.