

# Raglan Wastewater Treatment Consent Project



# Welcome and Introductions

Karl Pavlovich (WDC)  
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Nicola Marvin (Beca)  
Steph Dean (Beca)

Attendees



# Presentation Outline

- Project outline
- Consenting Background
- Existing Wastewater Treatment Plant
- Initial Work Underway
  - Membrane Treatment
  - Land Treatment
  - Reuse
  - Ocean outfall
- Options
- Project next steps
- How you can be kept informed
- Upcoming sessions

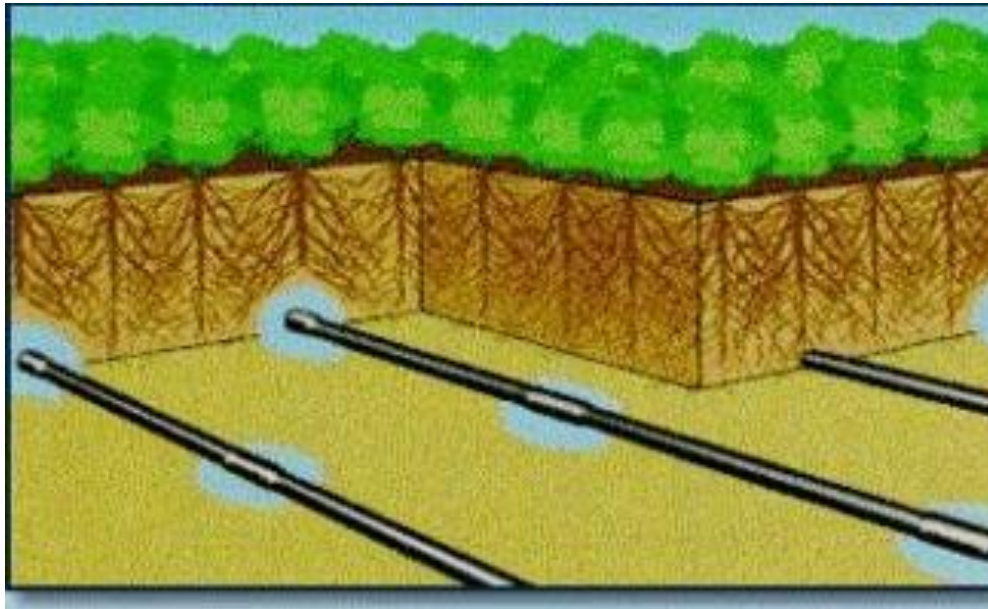
# Consenting Background

- **1999 consent application** – proposal to extend outfall into the harbour by approx. 140m.



# Consenting Background

- **Outfall was opposed-** land application of wastewater then investigated through a working party.



- **2002 revised consent application** – land application of wastewater was challenging to implement, instead applied for upgraded treatment plant with existing discharge location.

# Consenting Background

- **Appealed by Tainui** - subsequent Environment Court decision (2005 for 15 year consent).
- The current consent application is due to expire in **February 2020**. WDC need to apply for a new consent by **November 2019** (3 months prior).

# Existing Wastewater Treatment Plant



# Investigations

## Membrane Treatment





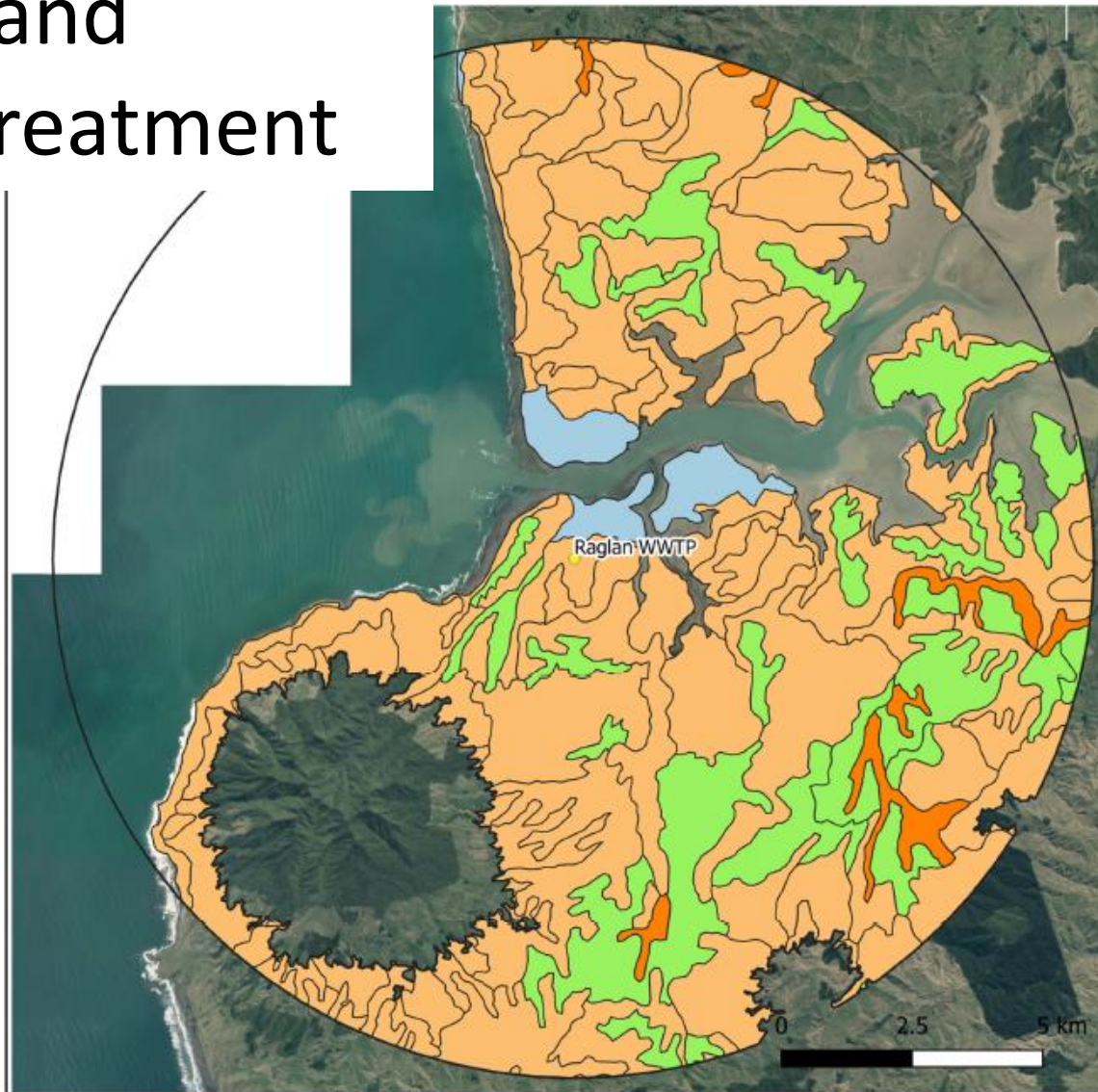
# Investigations

## Land Treatment



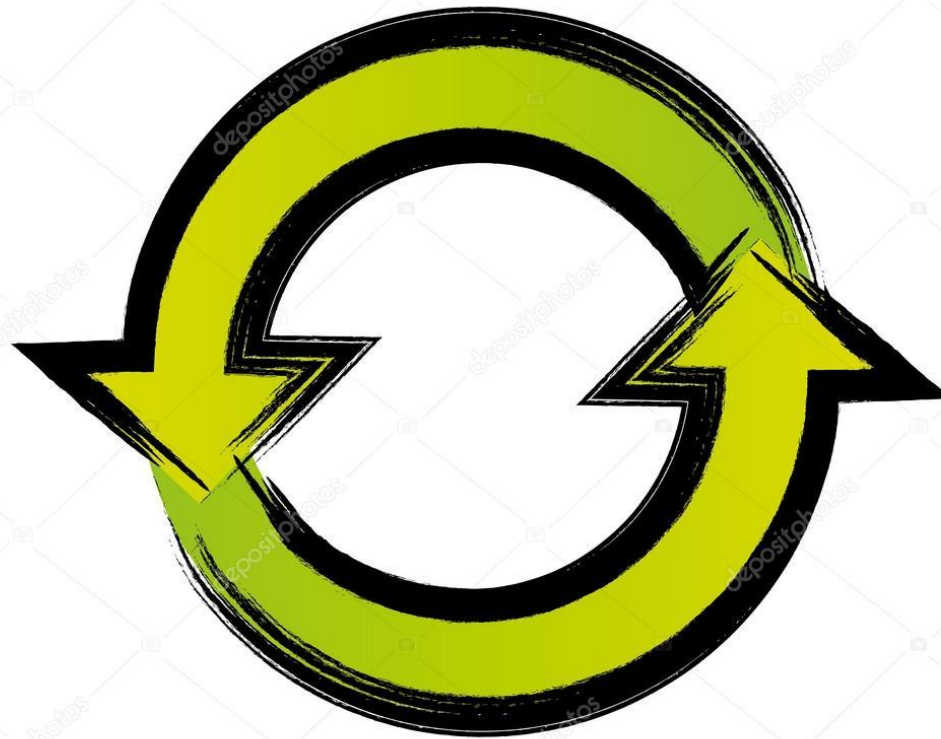
# Investigations

## Land Treatment



# Discharge Options

## Reuse



# Initial Work Underway – Review of Outfall

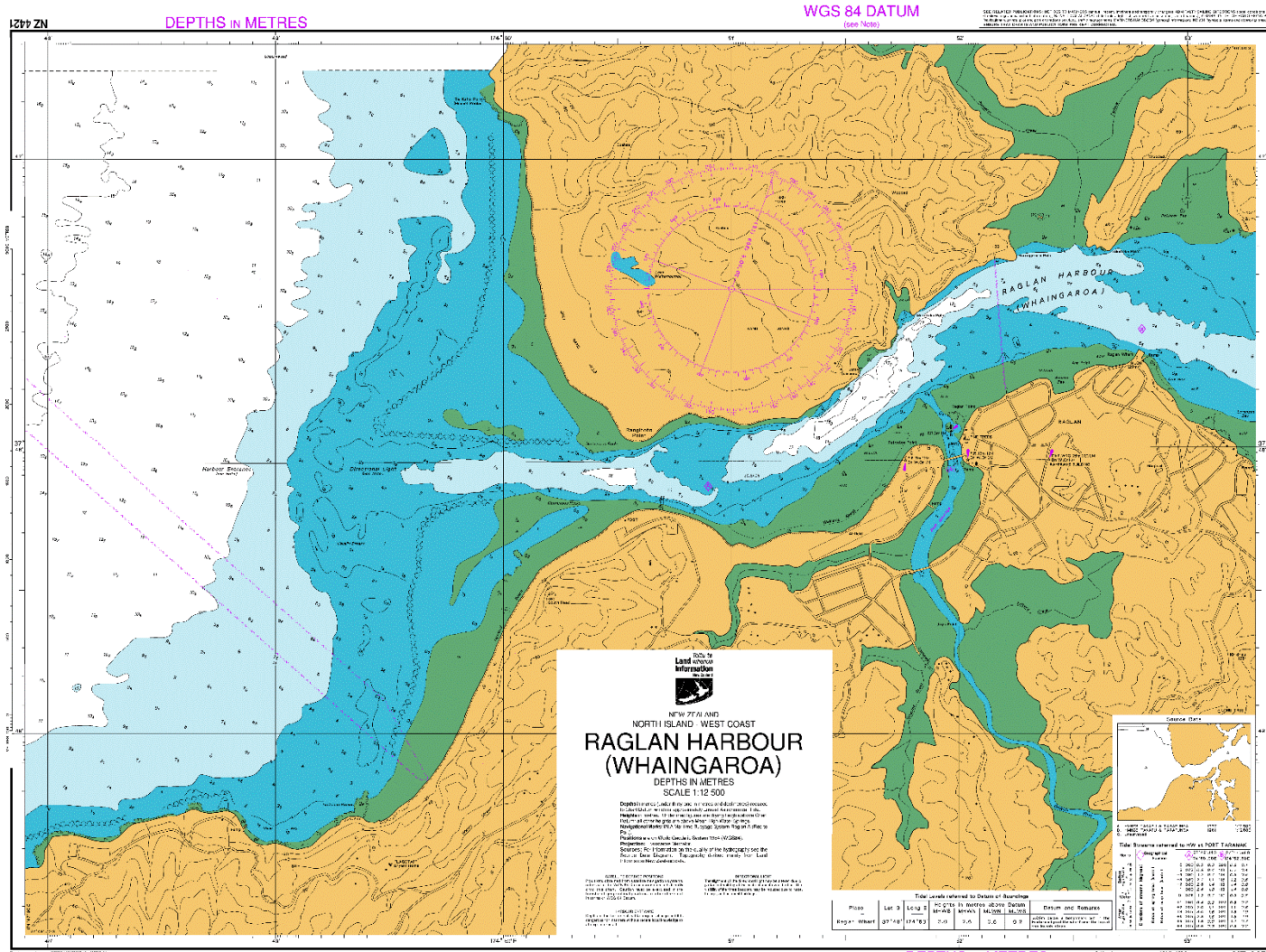


# Discharge Options

## Marine Outfall



# Discharge Options



# Long List Assessment

## Treatment

Existing ponds  
& UV

Pond upgrade &  
UV

Activated  
sludge plant

Fixed film plant

Tertiary  
treatment

Split catchment  
and new WWTP

## Discharge

Existing harbour  
discharge

Optimised  
existing location

New ocean  
outfall

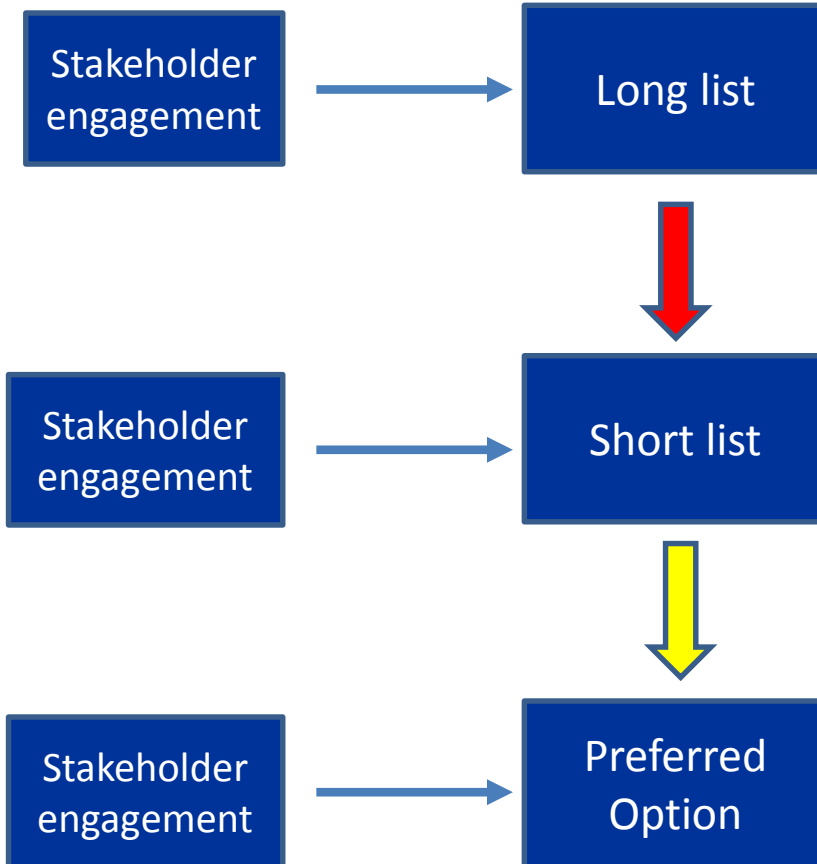
Land  
application

Reuse

Deep bore  
injection

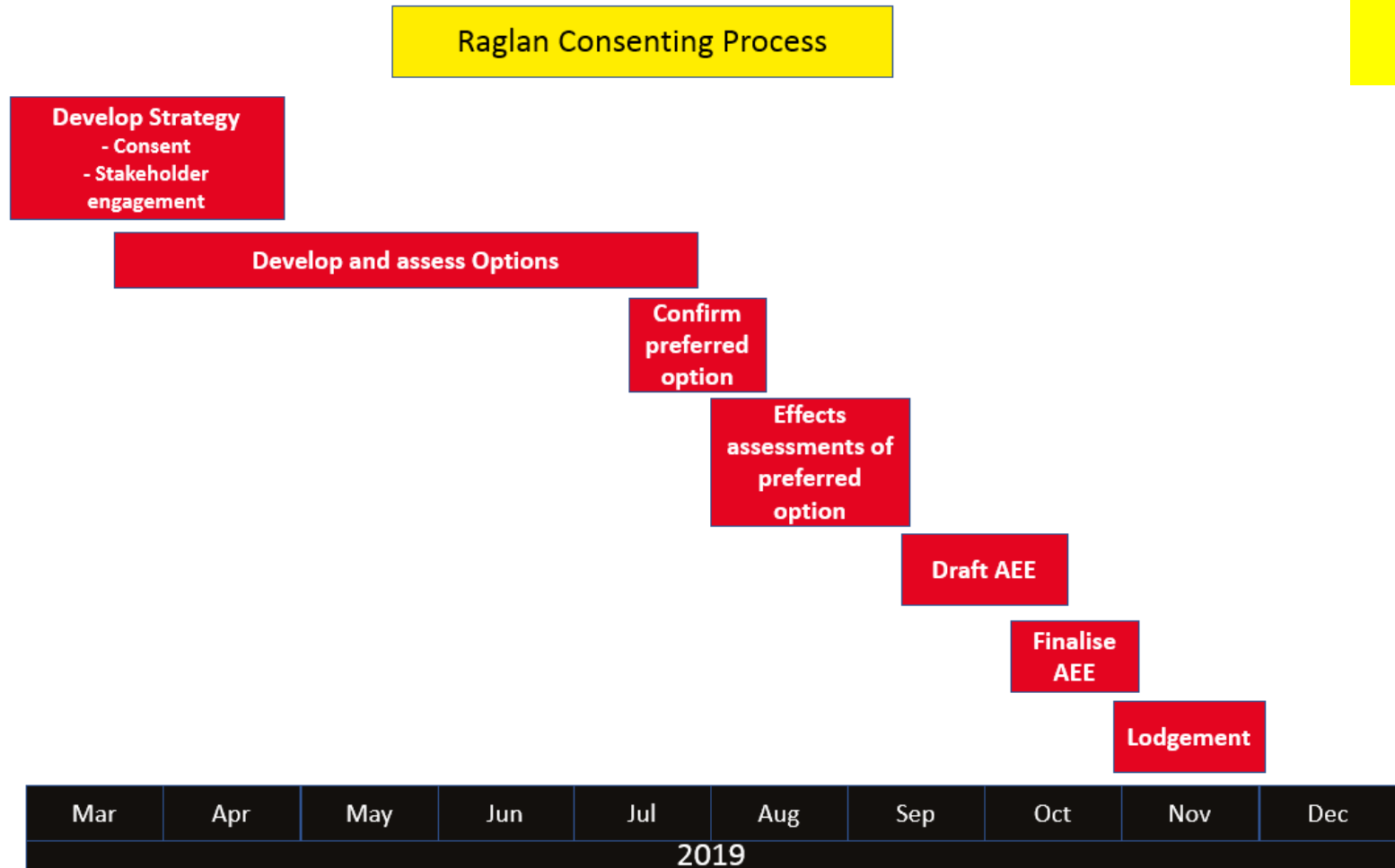
Stream  
restoration

# Options





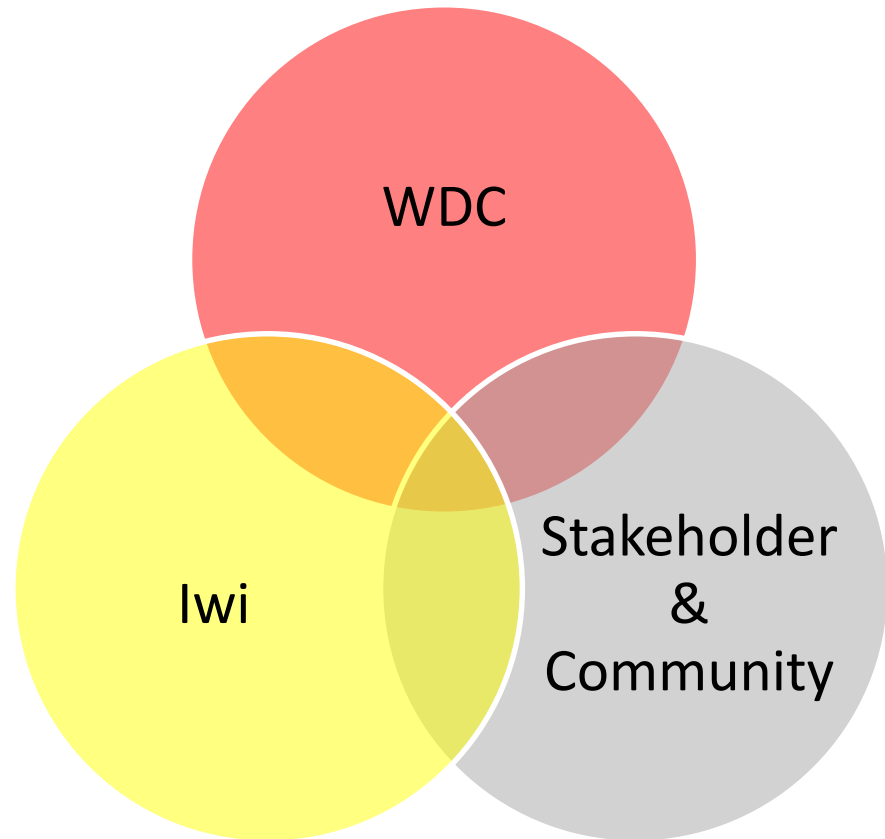
# Next Steps for the Project



# How you can be involved

## Collaborative Approach

Values  
Expectations  
Future outcomes  
No go's  
Kaitiakitanga



# Keeping informed

## Upcoming Sessions

- Drop in sessions:  
10 July 4-6 pm, 13 July 10-12am
- Community Board update August meeting
- Drop in sessions mid - late September

Web page coming soon

# Input we need from you

## Locations of:

- Shellfish gathering sites
- Recreational use
- Potential land availability

First two feed into public health risk assessment

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Any questions?