



Wairoa Wastewater Scheme Stakeholder Group Meeting 10 April 2017

Outline



Introduction

What We Know

Administration

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Big Picture

Where To From
Here

INTRODUCTION



Who you are

Who you are representing

Your role





INTRODUCTION

– WHAT DOES THAT MEAN?

**BEST
PRACTICABLE
OPTION**

Storage? D? D? Inflow Infiltration

INTRODUCTION – WHAT DOES THAT MEAN?



WAIT!



HE PATAI?

TAIHOA!



QUESTION?

INTRODUCTION

- STAKEHOLDER GROUP PURPOSE



Help Council Identify the **best** option for wastewater discharge

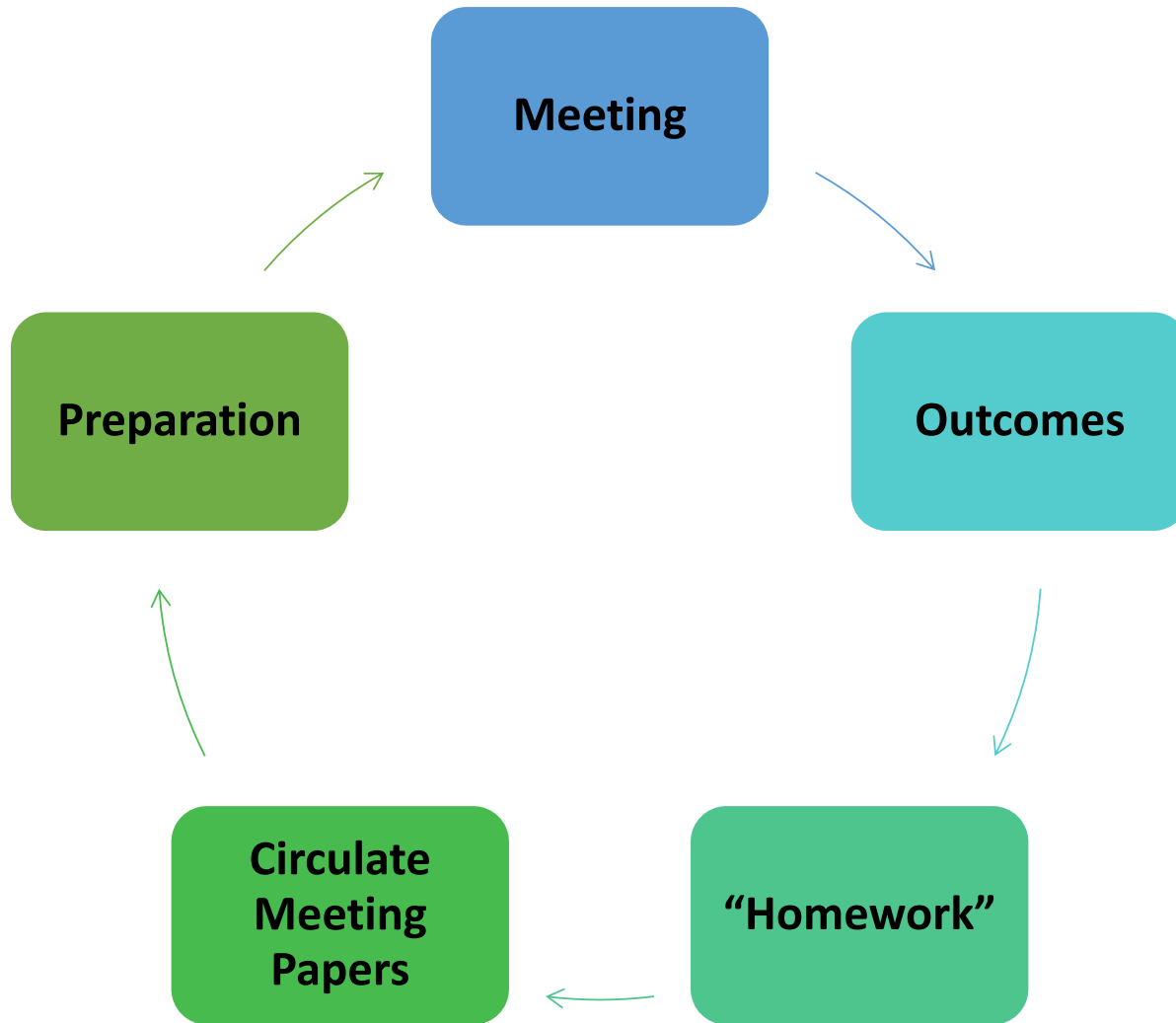
Help us prepare for Public engagement and consultation





INTRODUCTION


- STAKEHOLDER GROUP PROCESS



INTRODUCTION


- WORKING TOGETHER AS A TEAM



A photograph of two people rowing a wooden boat on dark water. The person on the left is wearing a purple jacket and the person on the right is wearing a white jacket. Both are using oars to propel the boat forward. The water is dark and shows ripples from the oars. Two blue thought bubbles are overlaid on the image, one above each person.

I'm making
Progress

Yeah I'm
making
Progress Too

A photograph of a rowing team in a white boat on a lake. The rowers are wearing dark blue and red uniforms and are captured in a dynamic rowing stroke, splashing water. A blue speech bubble is overlaid on the image, containing the text "It takes a team effort to make progress".

It takes a team effort to make progress

INTRODUCTION

- WORKING TOGETHER



How do we want to work together?

Roles

Terms of Reference

Stakeholder group mandate



BIG PICTURE

-WHAT'S THE FUSS



Current system – discharge into river

Current system – unconsented overflows

Long term – need to consider all options

Need legal “permission” = resource consent

BIG PICTURE -WHY NOW?



Resource Consent expires 31 May 2019

Do we develop a new system? Use existing?
Modify? Improve?

Public engagement is needed to ensure Council understands what the community wants.

BIG PICTURE – TREATED WASTEWATER NEEDS TO BE DISCHARGED



Receiving Environment

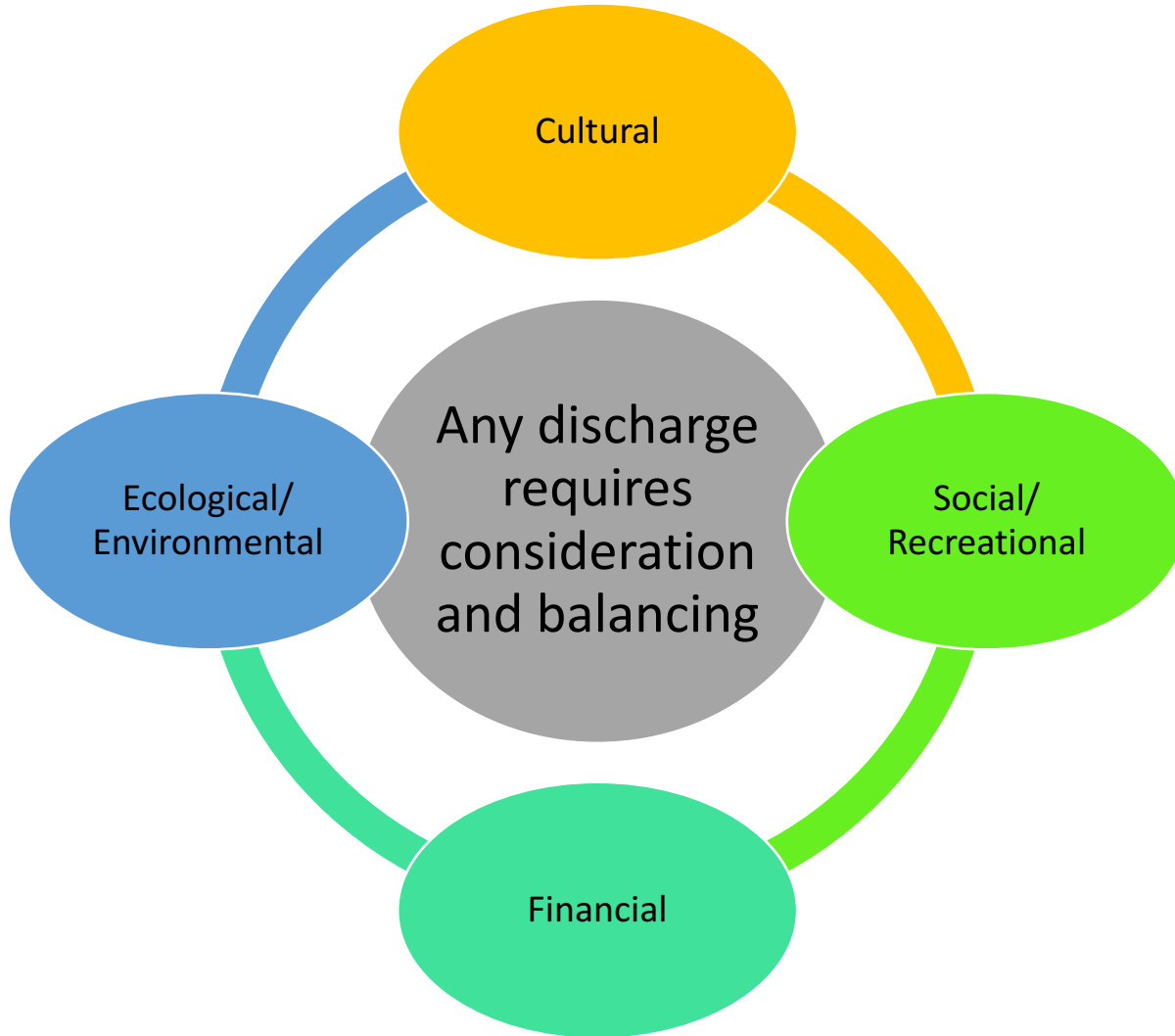


Land



Water

BIG PICTURE – DISCHARGE CONSIDERATIONS



BIG PICTURE – PUBLIC ENGAGEMENT



Does one shoe fit all?

We need your input – is our message clear?

What media/medium do we use and when?



BIG PICTURE -QUESTIONS AND ANSWERS



MORNING TEA



BIG PICTURE -RE-CAP AND QUESTIONS AND ANSWERS



WHAT WE KNOW

-POPULATION AND FLOWS

Population

- 4,000 people live in Wairoa – plus businesses/schools/clubs
- Treatment ponds were built to cope with 10,000 people

Average Wastewater Flow

- 1,900 m³/d (63 milk tankers every day)

Peak Wastewater Flow

- 8,000 m³/d (has previously reached 18,000 m³)



WHAT WE KNOW -CURRENT RETICULATION NETWORK

40 km of pipes

5 pump Stations

Originally built around 1948 –
with improvements since then

Treatment Ponds built in
1980s



WHAT WE KNOW -TREATMENT PONDS



Source: Parklink, 2016

WHAT WE KNOW -DISCHARGE



Built in 1981

150 m from riverbank

“Diffuser” recently installed



(Source: Triplefin, 2011)

WHAT WE KNOW -ISSUES



Reticulation pipes

- Leaks
- Stormwater inflow
- Capacity limitations

Pump stations

- Capacity
- Overflows
- Inflows

Treatment

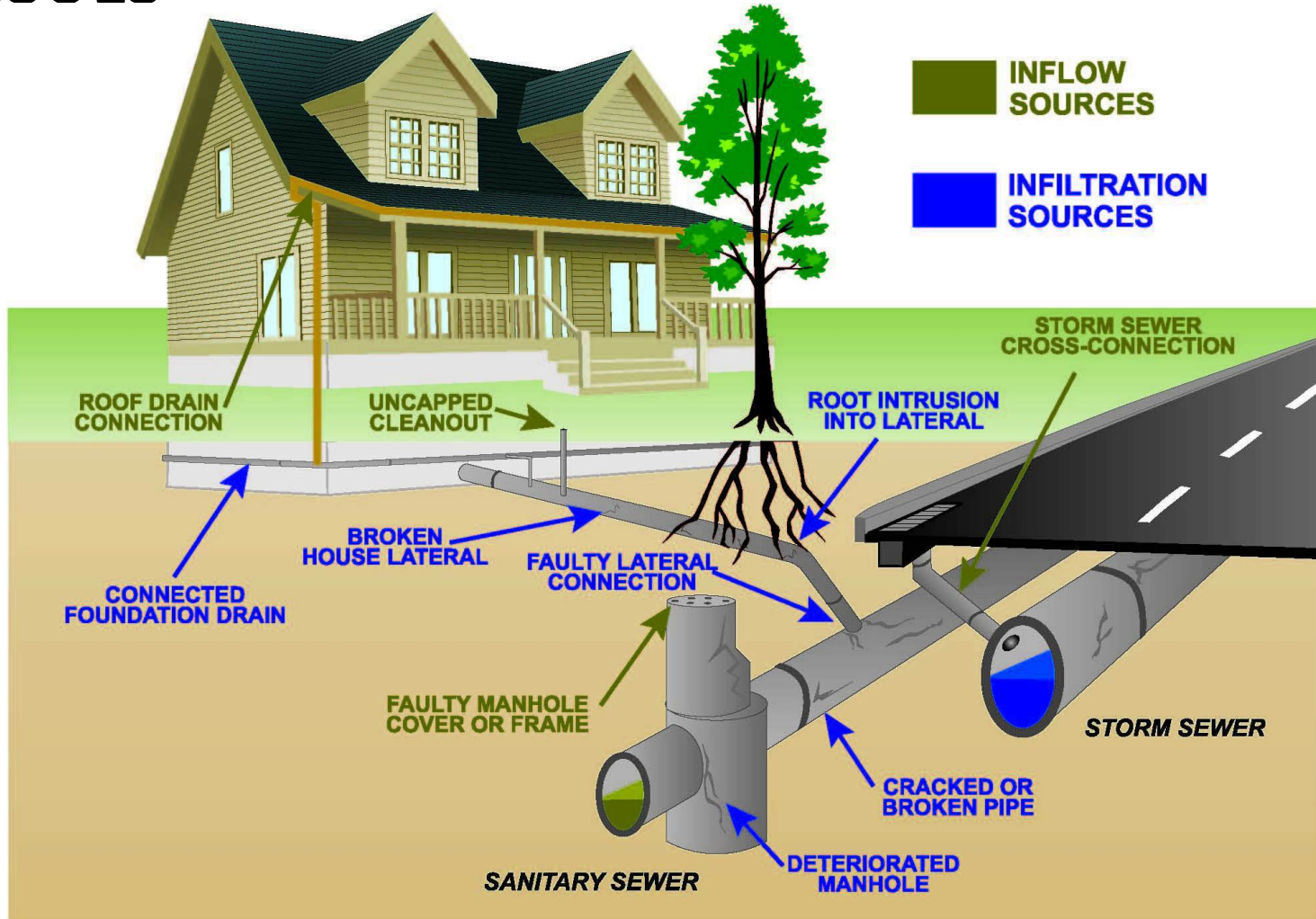
- Limited storage

Discharge

- Can get blocked
- Poor water quality in river
- Bar closure
- Outgoing tide discharge



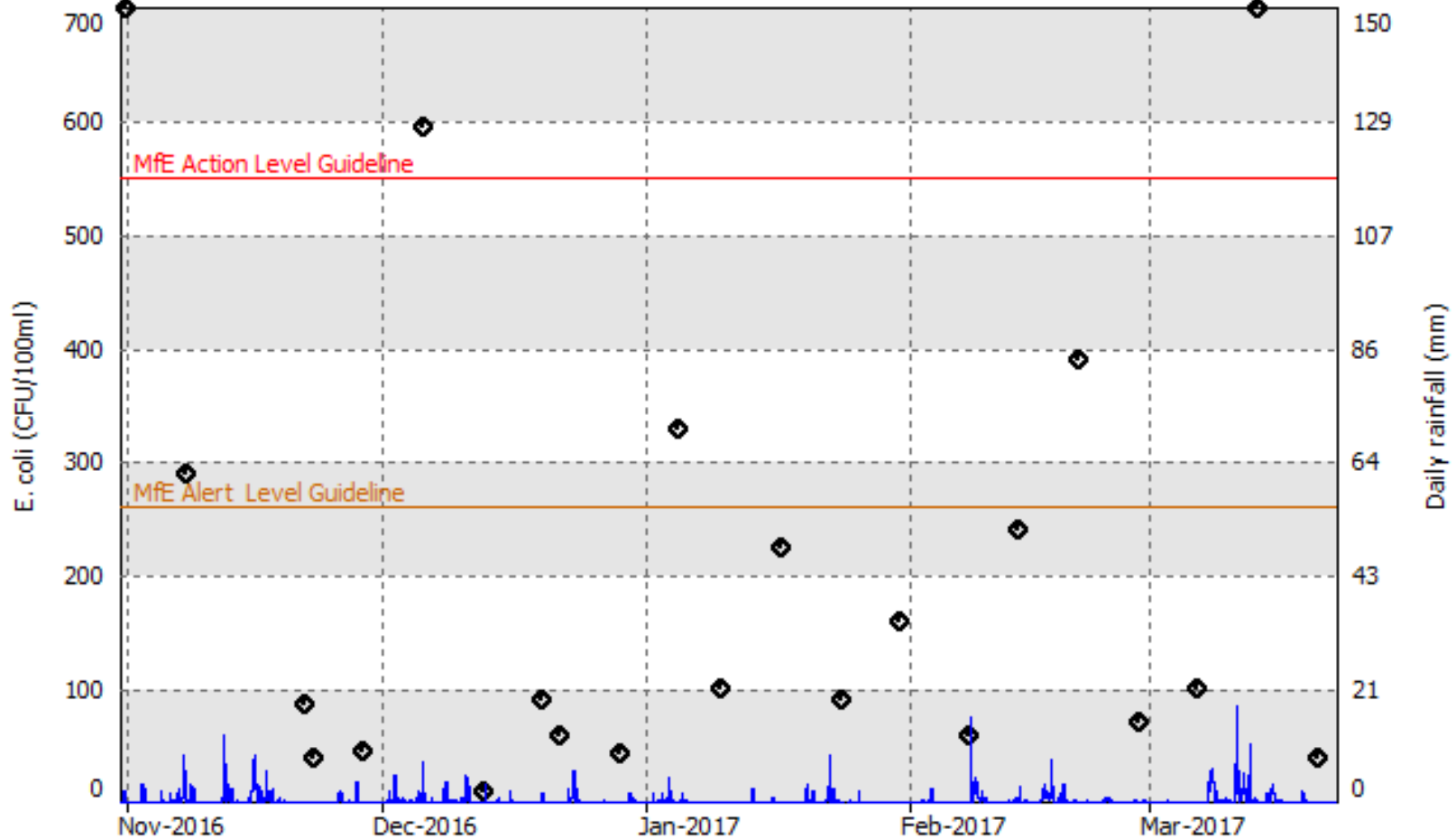
WHAT WE KNOW -ISSUES



WHAT WE KNOW -ISSUES



Wairoa River, Ski Club (E. coli)



Microbiological Result



Local Daily Rainfall

WHAT WE KNOW -CONSENTING



Need new consent – current consent expires 31 May 2019

Need to consider all feasible options

Need to demonstrate ***Best Practicable Option***

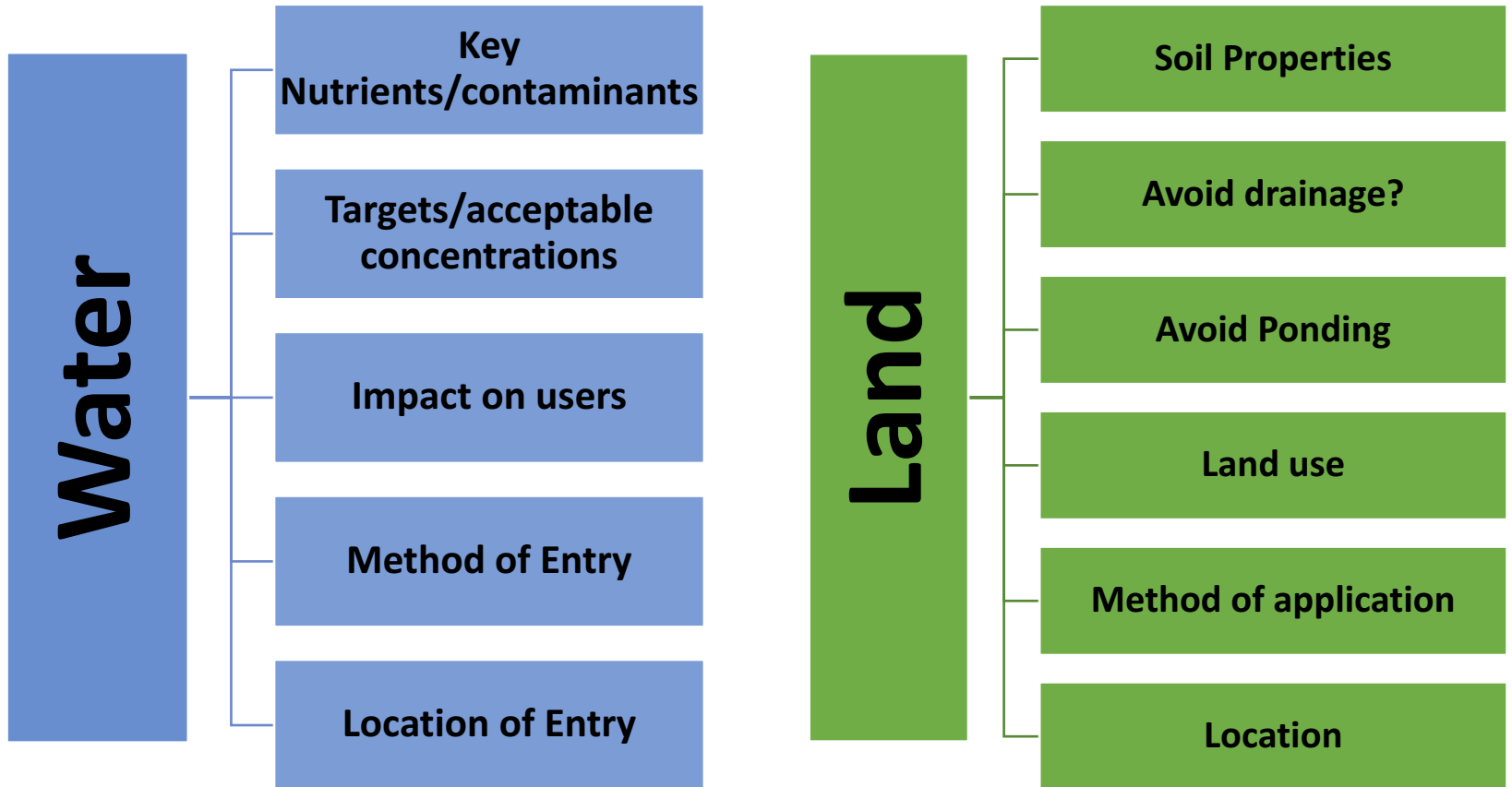
Best practice requires consultation and community engagement

Timing pressures/statutory obligations



WHAT WE KNOW

-DESIGN CONSIDERATIONS



WHAT WE KNOW -OPTIONS



Water

Land

Direct to Water

Indirect to Water

Stay on Land

River

Estuary

Wetland

Forestry

Small Holdings

Large Holdings

Are combinations possible or needed?

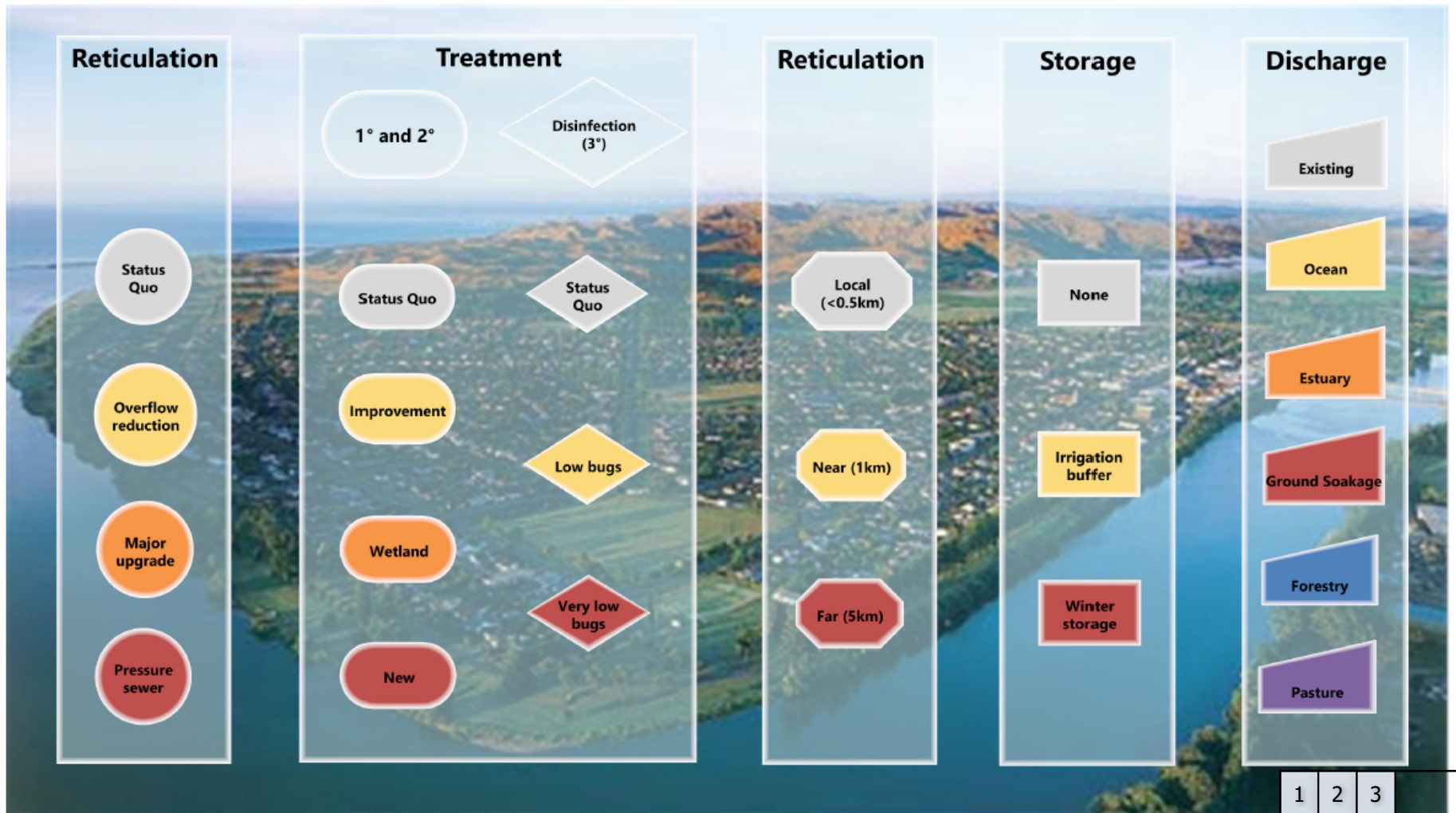
WHAT WE KNOW -WHAT ARE THE COMPONENTS



WHAT WE KNOW -WHAT ARE THE OPTIONS



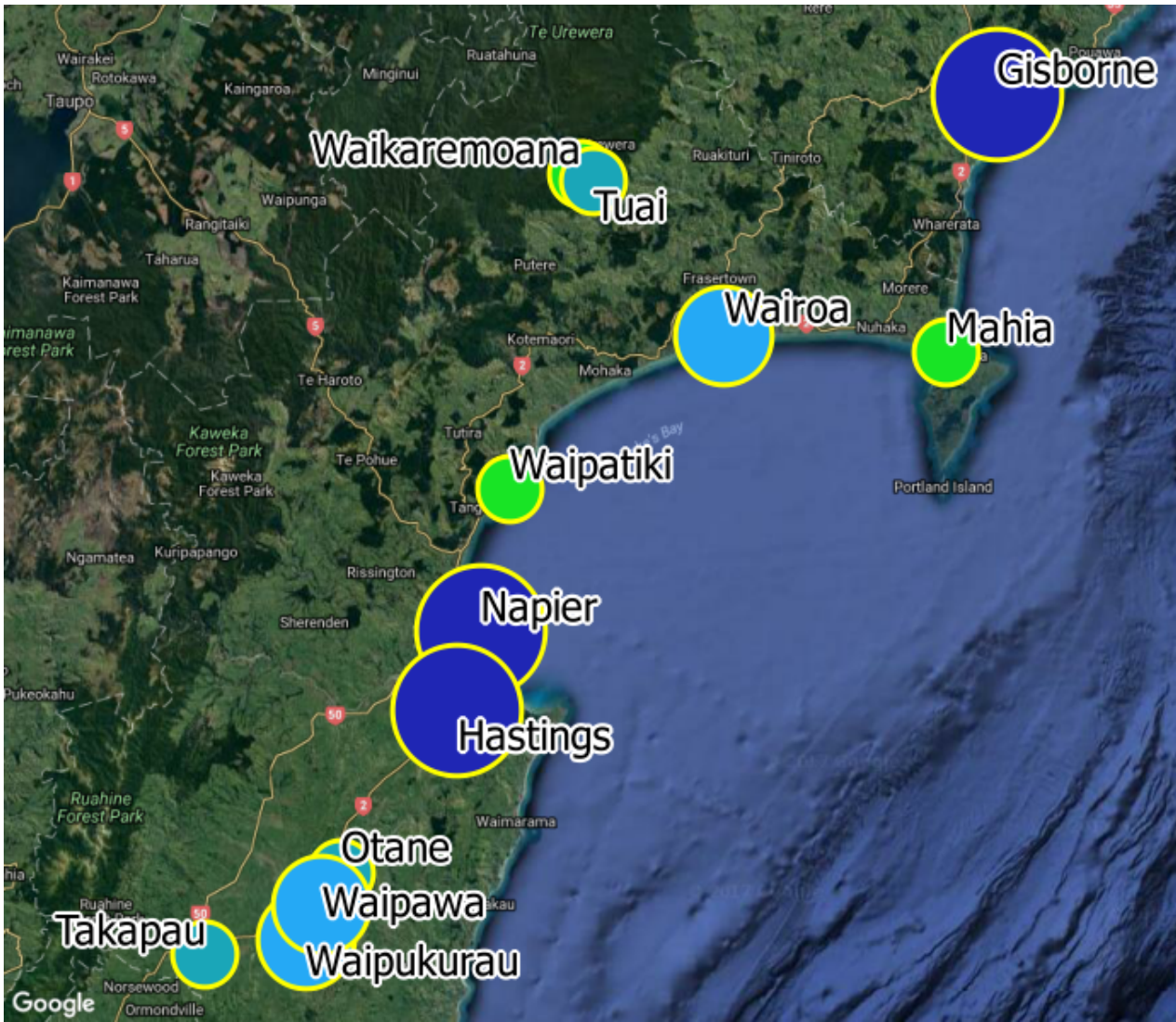
Wairoa Wastewater - Potential Treatment and Discharge Options





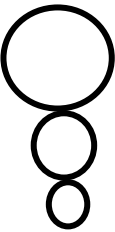
WHAT WE KNOW

-WHAT ARE OTHERS DOING



Legend

- Cities >30,000 people
- Towns <5,000 people
- Settlement <750 people



Discharge Method

- Irrigation to land
- River/stream
- Ocean





WHAT WE KNOW

-WHAT ARE OTHERS DOING IN WAIROA DISTRICT

Hawke's Bay Regional Council

- Long Term Plan 2025
- FWP - Freshwater Policy

Wairoa River Water Quality

- Farming
- Industry – AFFCO, Silver Fern Farms
- Stormwater





WHAT WE KNOW -QUESTIONS AND ANSWERS

Current wastewater system?

Issues with system?

Resource consent process?

What others are doing?

Options?

WHERE TO FROM HERE -CONSENT TIMING



Consent Expires – 31 May 2019

Options Report – Oct 2017

Best Practicable Option – Jan 2018

Assessment of Environmental Effects – May 2018

Draft consent application – July 2018

Revise – September 2018

Lodge Final – Oct 2018

WHERE TO FROM HERE -THE **JOURNEY**



Is the destination clear?

What partners do we need on the **journey** ahead?

What information is needed on the **journey**?

How do we take the community with us?

What do we call the **journey**?

Should we develop a brand?



WHERE TO FROM HERE -QUESTIONS AND ANSWERS

Stakeholder Group?

Wairoa's wastewater system?

Public engagement?



ADMINISTRATION -RECORD KEEPING



What information will be supplied

How do you file it

How do we update it

ADMINISTRATION -MEETING SCHEDULE



What needs to be covered – set out plan

Timing of meetings/frequency

Duration



ADMINISTRATION -COMMUNICATION



Primary contact for Stakeholder Group

- Neil Cook
 - email: ncook@rationale.co.nz
 - phone: **027 898 7799**

Secondary contact

- Jamie Cox
 - email: jamie@wairoadc.govt.nz
 - phone: **027 454 9156**

ADMINISTRATION -CONTACTS AND MANAGEMENT



Can we share group contacts?

How is best to keep in touch?

What do you do if you can't make a meeting?



LUNCH

