



FEATHERSTON COMMUNITY BOARD

**Agenda
2 May 2017**

Amendment

AMENDMENT TO AGENDA

Agenda item 8.1 Featherston wastewater, written by Claire Bleakley, is to be considered as a **Notice of Motion** and as such will be considered under item 7.1 Notices of Motion.

An additional attachment has been received subsequent to agenda preparation. The Notice of Motion (title amended for clarity) is attached to this amendment along with the additional attachment received.

FEATHERSTON COMMUNITY BOARD

2 MAY 2017

AGENDA ITEM 7.1

NOTICE OF MOTION - FEATHERSTON WASTEWATER

Recommendations

It is recommended that the Community Board:

1. *Receive the information.*
2. *Hold a public meeting to talk about the issue.*
3. *Make a submission on behalf of Featherston Community Board.*

1. Featherston Wastewater meeting

Waste water meeting was held in Featherston and there was no FCB representation. I have looked through my e-mails and did not see an invitation. I spoke to Lawrence Stephenson who sent me the power point which I attach.

The meeting did raise some concerns over the wastewater scheme from people, and these concerns were serious for these people and need to be addressed through a public meeting.

2. Recommendations

I would like to ask the FCB to hold a public meeting to discuss the issues of concern.

That FCB make a submission on the Featherston wastewater plan.

3. Appendices

Appendix 1 – Featherston Wastewater 'The Plan' Powerpoint

Written By: Claire Bleakley, Member Featherston Community Board

Appendix 1 - Featherston Wastewater 'The Plan' Powerpoint

FEATHERSTON WASTEWATER



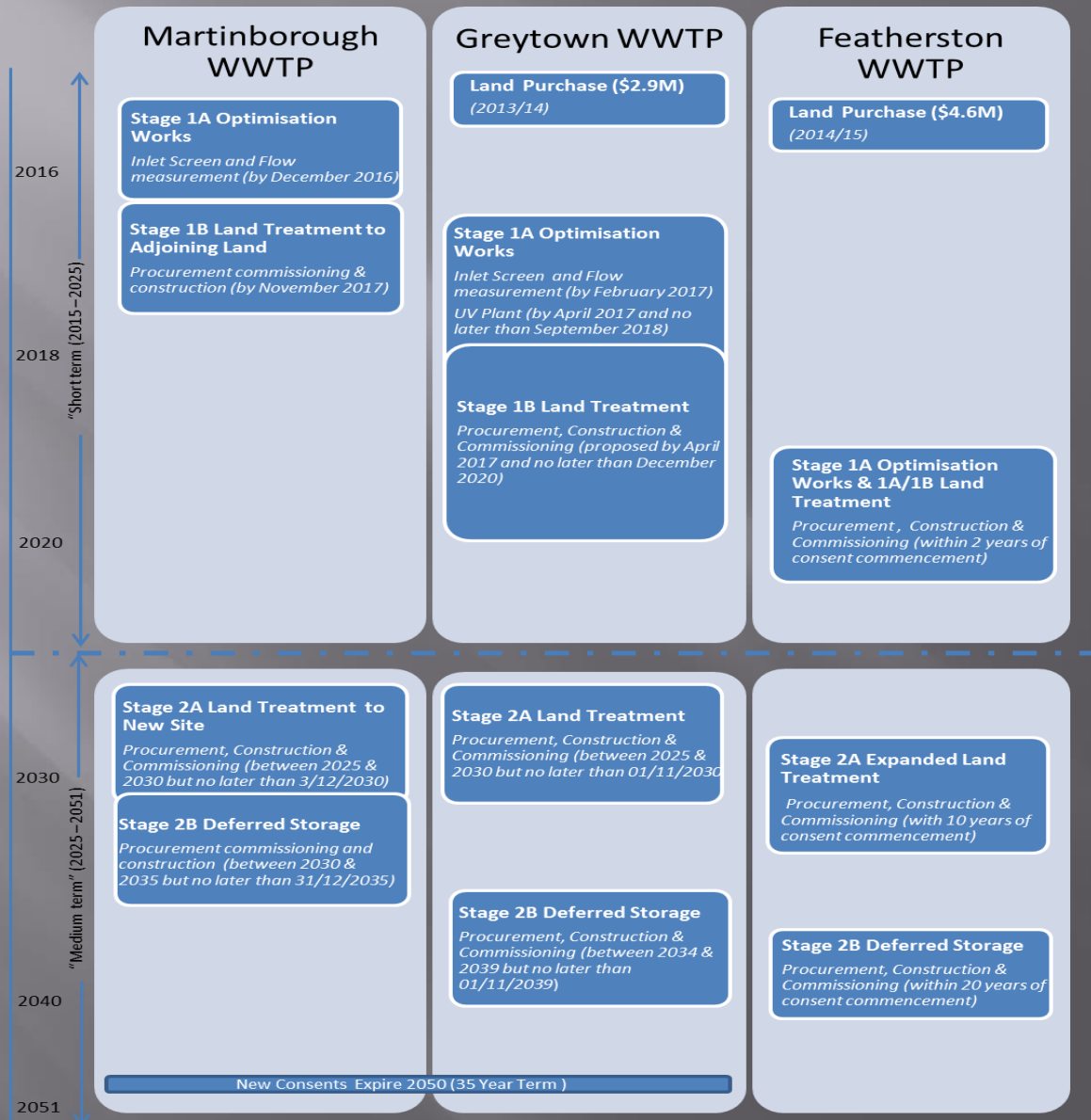
THE PLAN



The Council's Vision and Goal for all the three Communities' Scheme.. Land Treatment



The Three Town Improvement Programme below achieving full treatment to land by 2040 at all sites



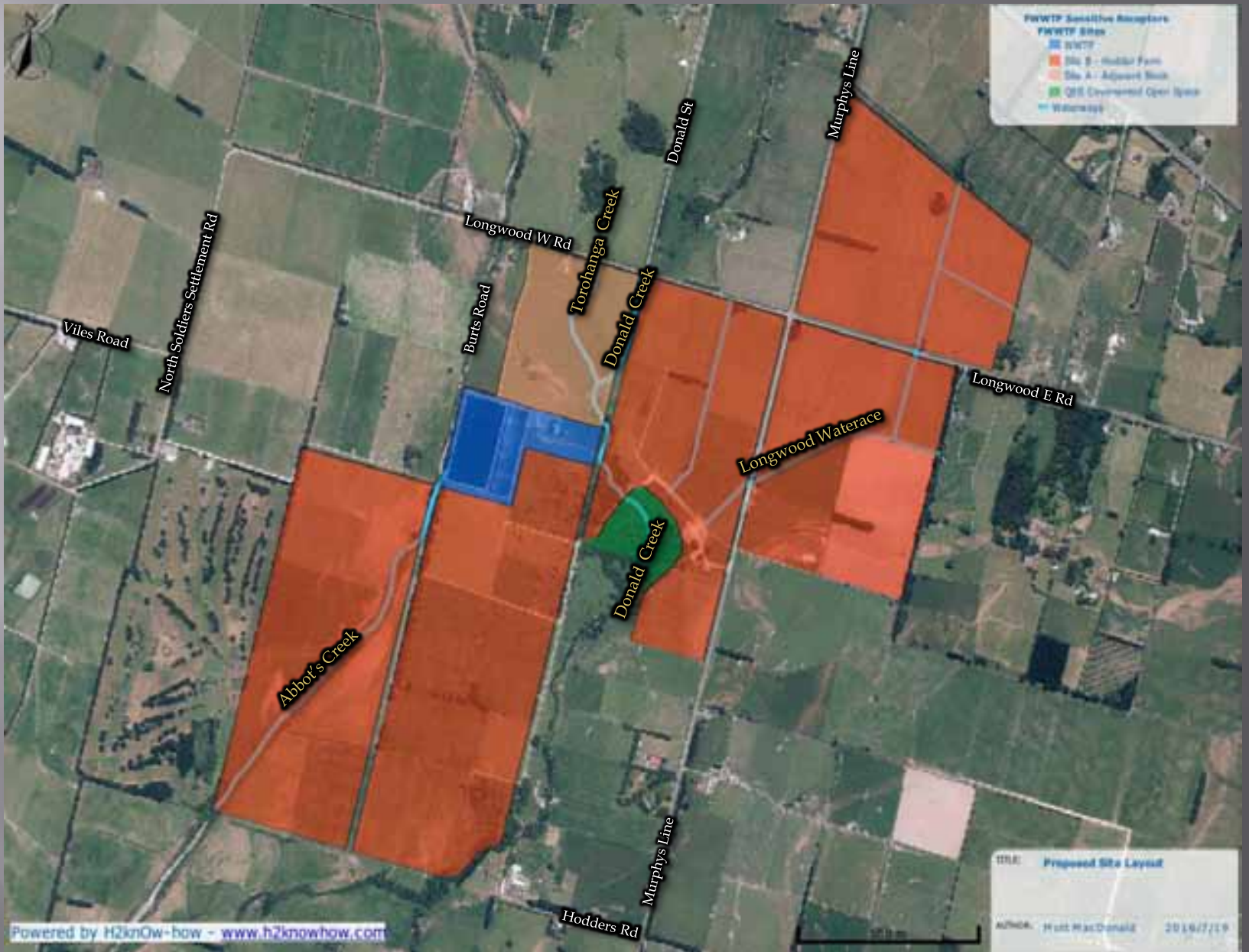
INTRODUCTION

Council lodged the consent application for Featherston
on February 28 2017

The application promotes an improvement plan to be
delivered in three distinct stages over a long term consent
(35 years has been applied for and is the maximum term
available)

21 different treatment and disposal options were considered

The best practical option based on community affordability
and environmental effects is deemed to be a Staged Land
Application Scheme



FWWTP Sensitive Receptors
FWWTP Sites

- SWTP
- Site B - Hodder Farm
- Site A - Adjacent Block
- QES (Environmentally Sensitive Areas)
- Waterways

TITLE: **Proposed Site Layout**

AUTHOR: Neil MacDonald 2016/7/19

Council land showing

- ▣ The map shows the total extent of the land available for irrigation marked in red
- ▣ Assessments indicate the actual usable extent is about 118 Ha
- ▣ About 70 Ha of the land already has irrigation in place. the suitability of this system for land treatment is being investigated for Stage 1B improvements

Proposed Scheme Upgrades

- Stage 1:
 - Minor improvements to treatment pond;
 - Irrigation to 78 ha of land (Adjacent Block and Hodder Farm) = majority of discharge to land during summer;
 - Network rehabilitation works commenced;
 - Completed 2 years after consent commencement.

= 56% of Annual Flow to Land
- Stage 2A:
 - Network rehabilitation works completed = target 35% reduction in average daily flow;
 - Expansion of land irrigation scheme to ~116ha = almost all discharges to land during summer;
 - Completed 10 Years after consent commencement.

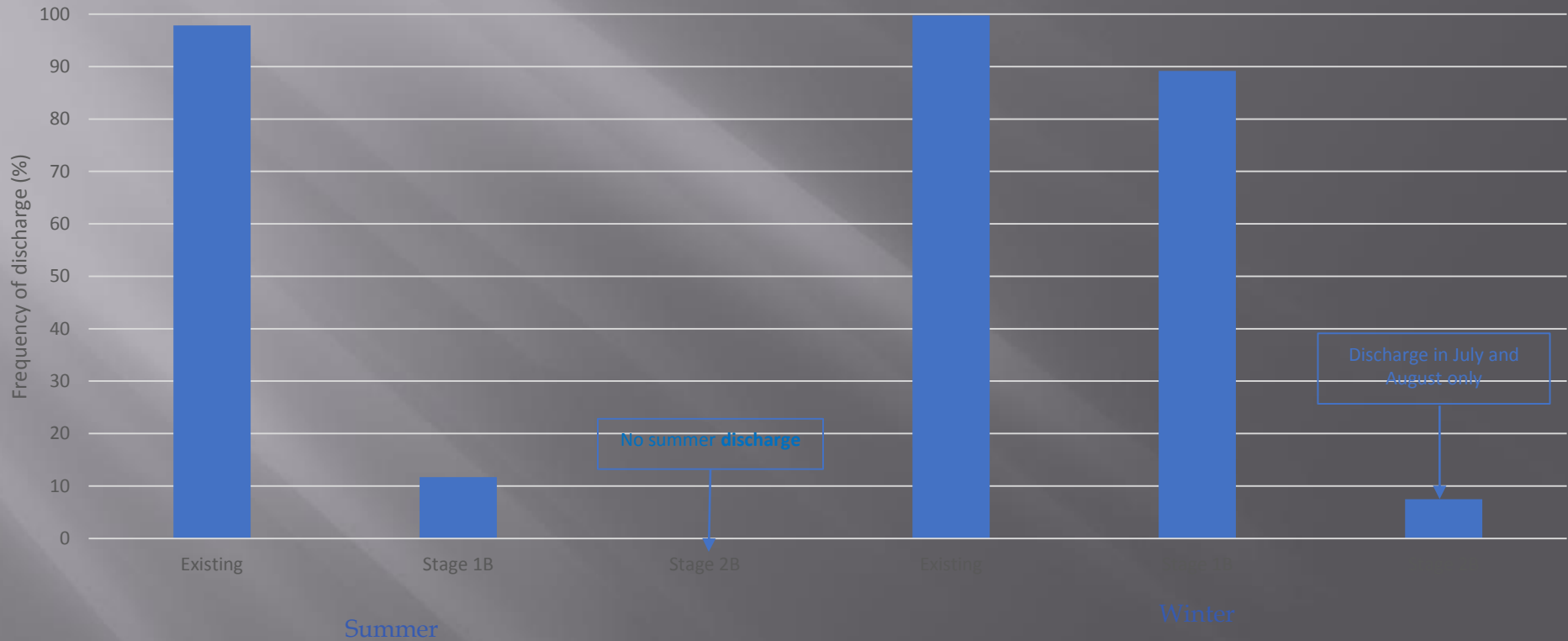
= 68% of Annual Flow to Land
- Stage 2B:
 - Large pond constructed to balance flow = No summer discharge to Donald Creek and No discharge to the Creek in some years.
 - Completed 20 years after consent commencement

= 94% of Annual Flow to Land

Average Discharge

Frequency

Summer vs Winter



Land Treatment

- Irrigation regime designed to be sustainable and not impact soil structure by defining application rates:
 - To maintain soil moisture at a level that irrigation can continue and to avoid ponding.
 - Not irrigating when soil moisture is too high.
 - Manage nutrients to minimise leaching to groundwater.
- Buffer zones from property boundaries, bores and streams proposed to mitigate potential off-site effects.
- Re-use of existing irrigation equipment where possible and use of low pressure sprinkler nozzles.
- Effects on soil, groundwater, surface waters and air considered less than minor.

Assessment of Environmental Effects – Donald Creek

- Current Scheme known to result in significant effects in Donald Creek:
 - Ammonia at concentrations potentially toxic to some aquatic species.
 - Elevation of nutrient concentrations (N and P).
 - Impacts on ecological indicators during summer (MCI and Periphyton cover).
- Proposed scheme significant improvements predicted, specifically:
 - Ammonia -
 - Protective of Fingernail Clam which is present in Donald Creek – Full compliance at Stage 1B.
 - Protective of Freshwater mussels which are not present in Donald Creek, highly conservative, allows for potential recolonization of species – Full compliance at Stage 2B.
 - Nutrients –
 - Staged reduction in nutrient loads and reduction in summer to background in-stream concentrations.
 - Ecology –
 - Significant improvement by Stage 1B and less than minor impact by Stage 2B.

Summary

- ▣ Once the application is accepted by GWRC, the application will be publicly notified and interested people can make submissions to the application
- ▣ A hearing convened by independent commissioners will take place where submissions can be heard

Summary (continued)

- ▣ Commissioners will then make a decision and confirm the conditions under which the consent can be issued
- ▣ This is not likely to place until later in 2017
- ▣ Decisions can be appealed and if this happens the final consent decision will be delayed

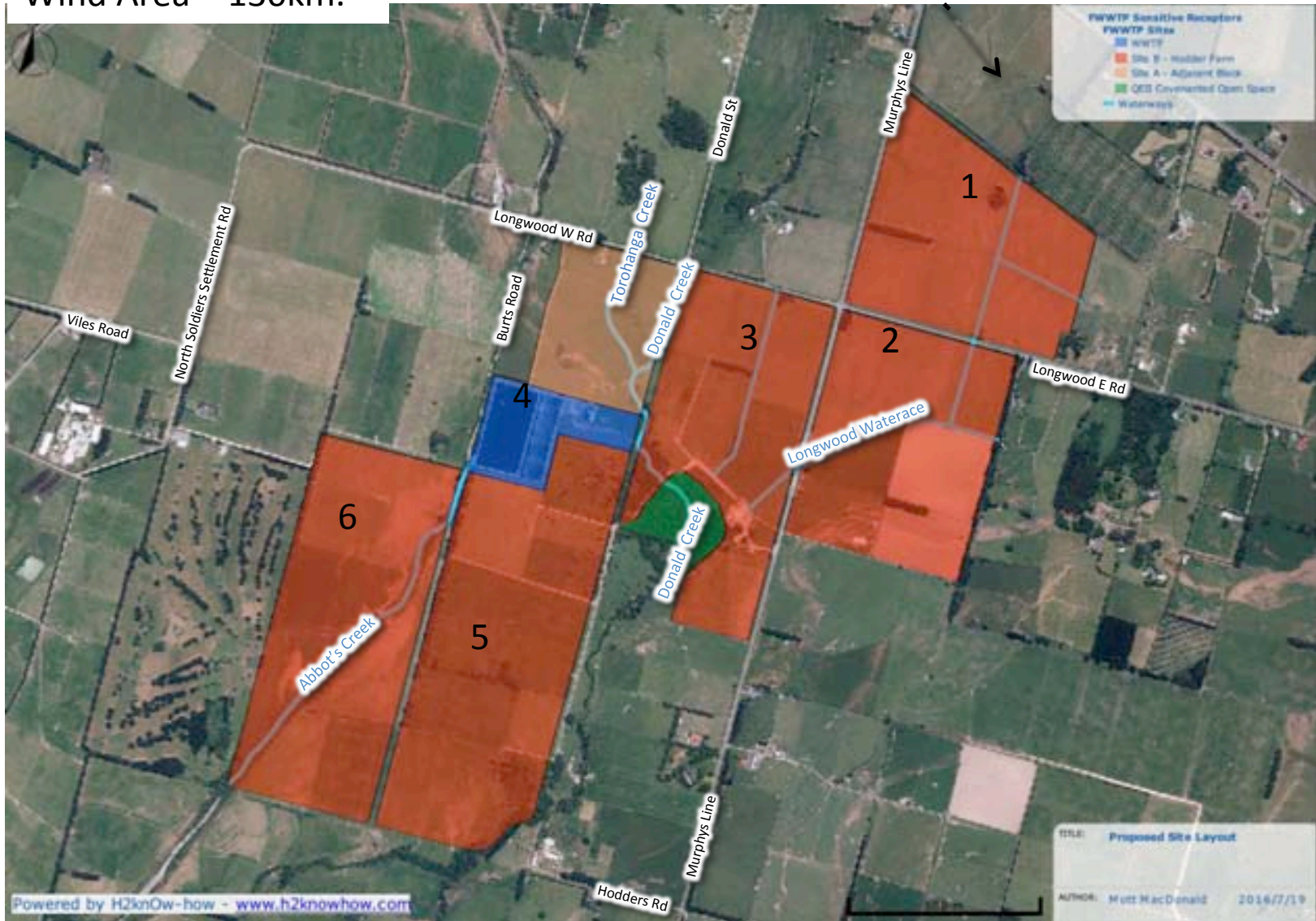
Featherston Waste Water Plan



Claire Bleakley
Featherston Community Board member.

Designated High
Wind Area – 130km.

9 new subdivisions
owners not notified irrigator 20 mtrs away

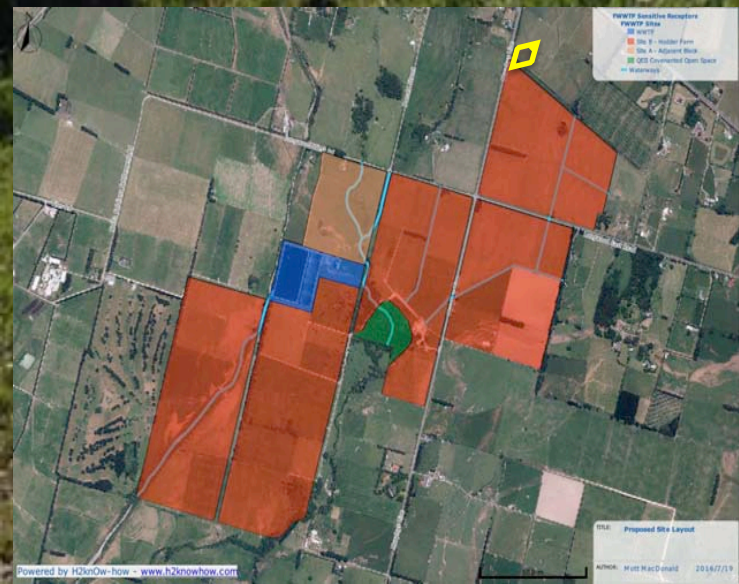


Closest home 20 metres away

45 Murphy's line



Neighbours – water tanks.



Wastewater Paddock 1 = 30 acres

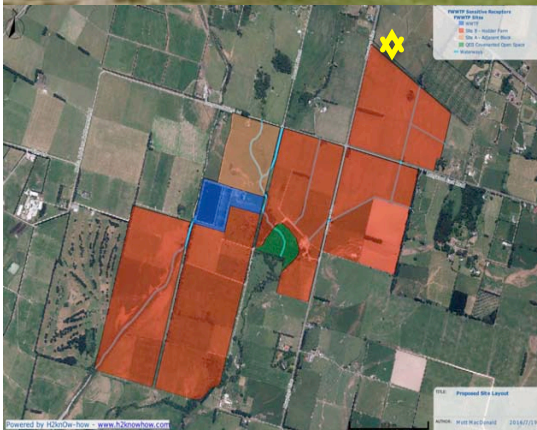
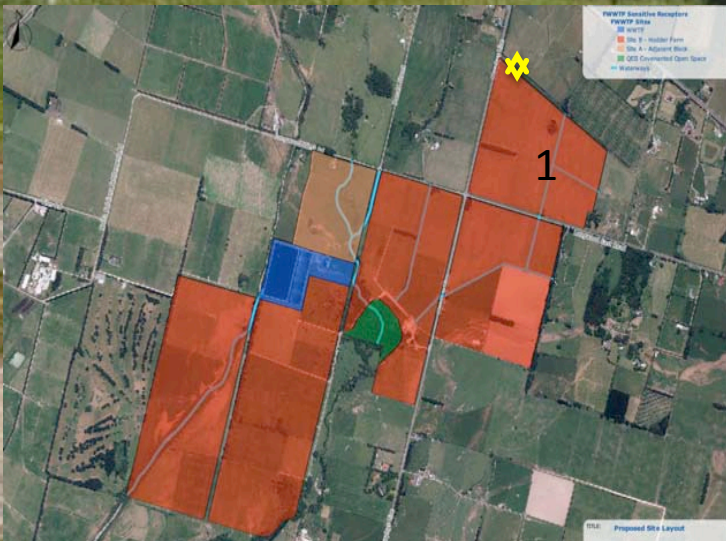


Photo taken from House

Wastewater Paddock 1

20 mtrs

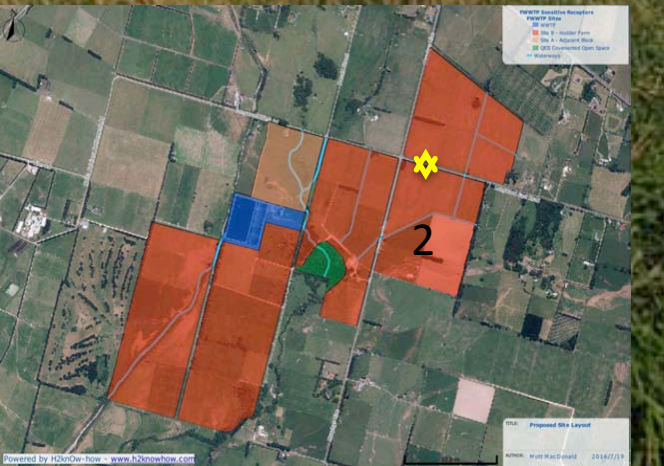


45 Murphy's Line house entrance

Small business east of the irrigation paddock (1)



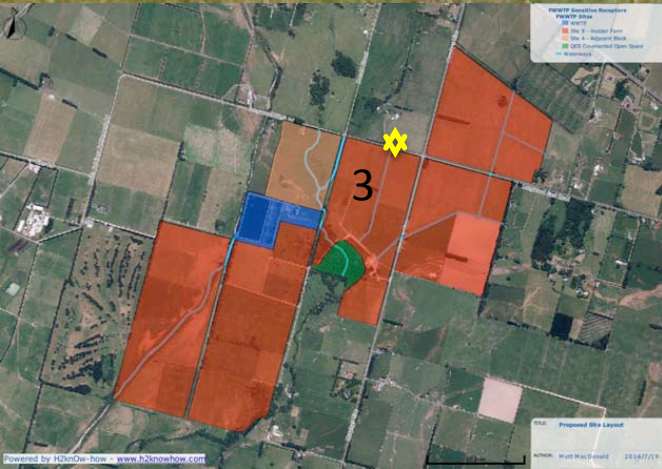
Irrigation Paddock 2



Longwood Road East

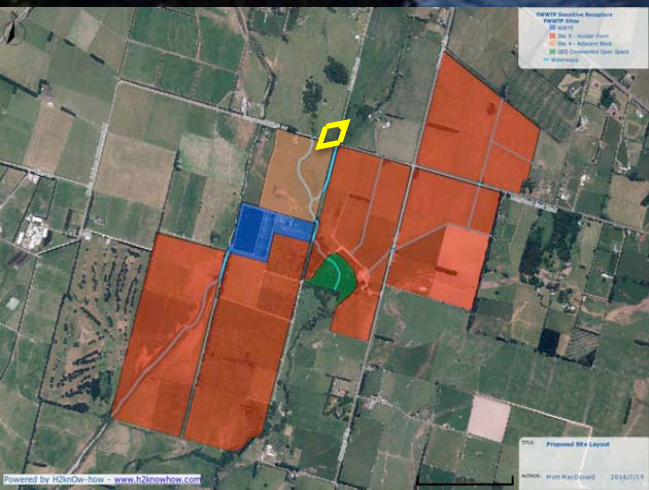
Irrigation Paddock 3

30 acres

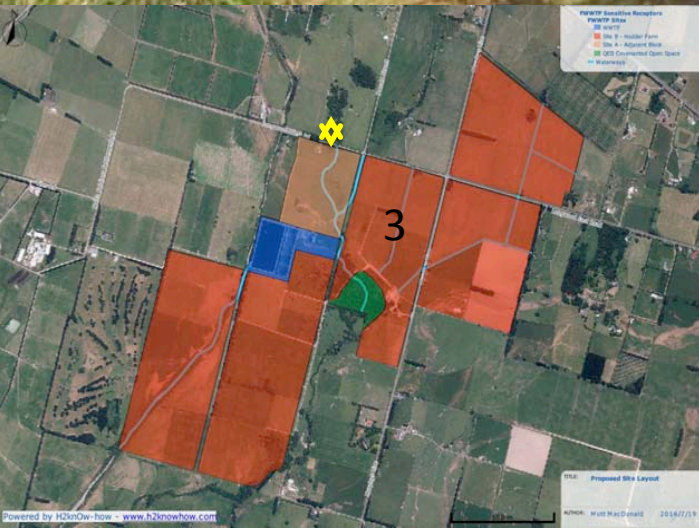


Longwood Road West

Donald's Creek North



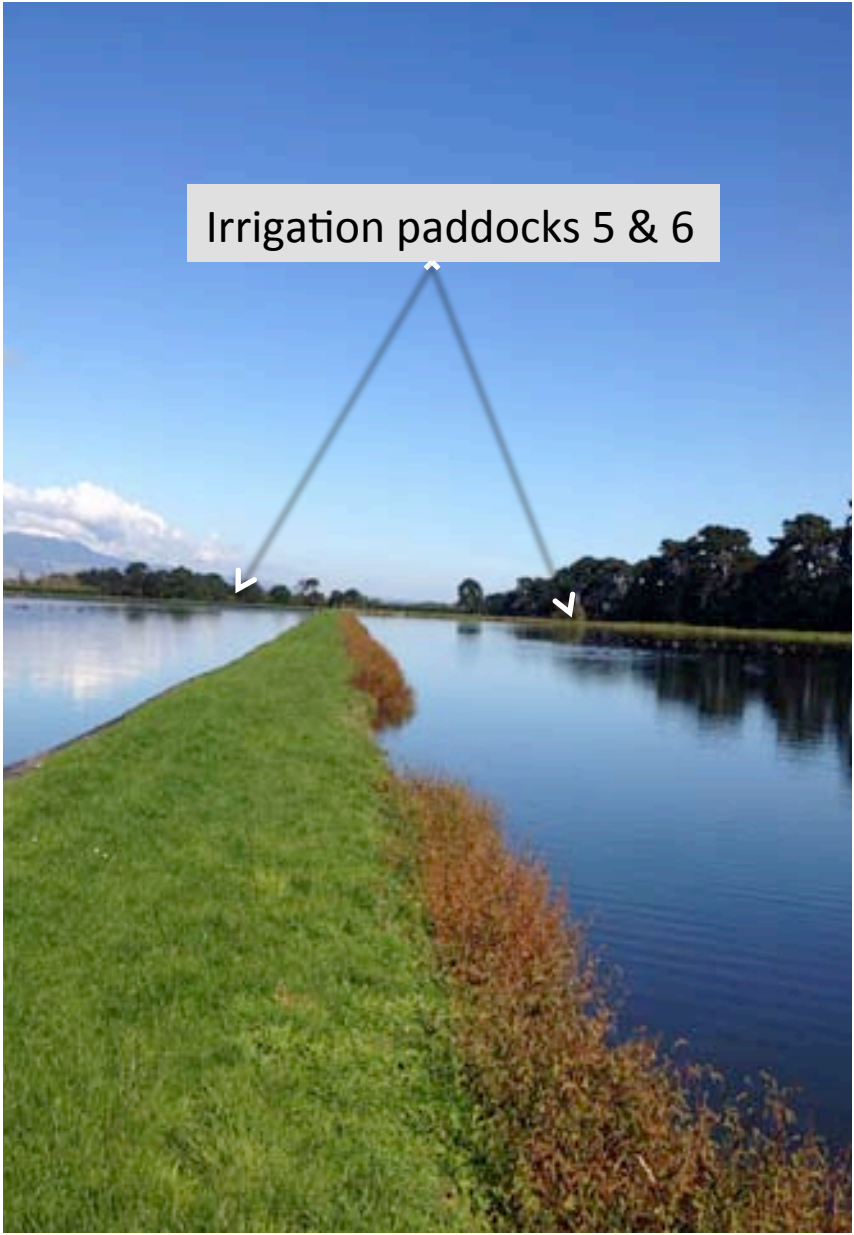
Donald's Creek runs through paddock 3





Water tank adjacent to sewerage ponds.

Sewerage ponds



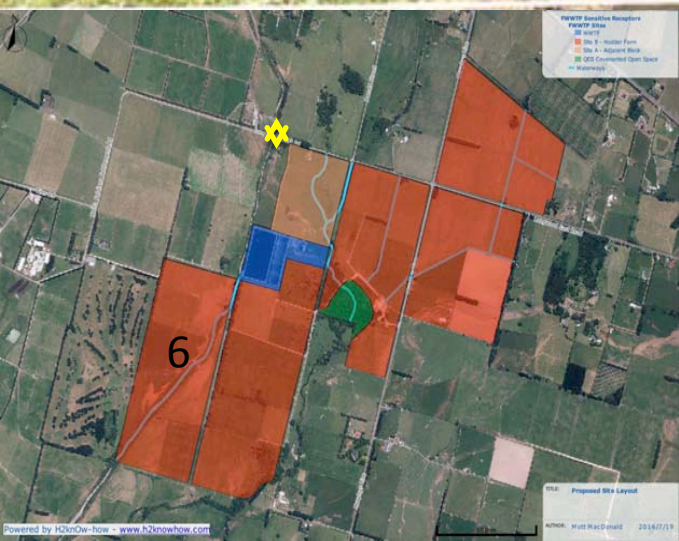
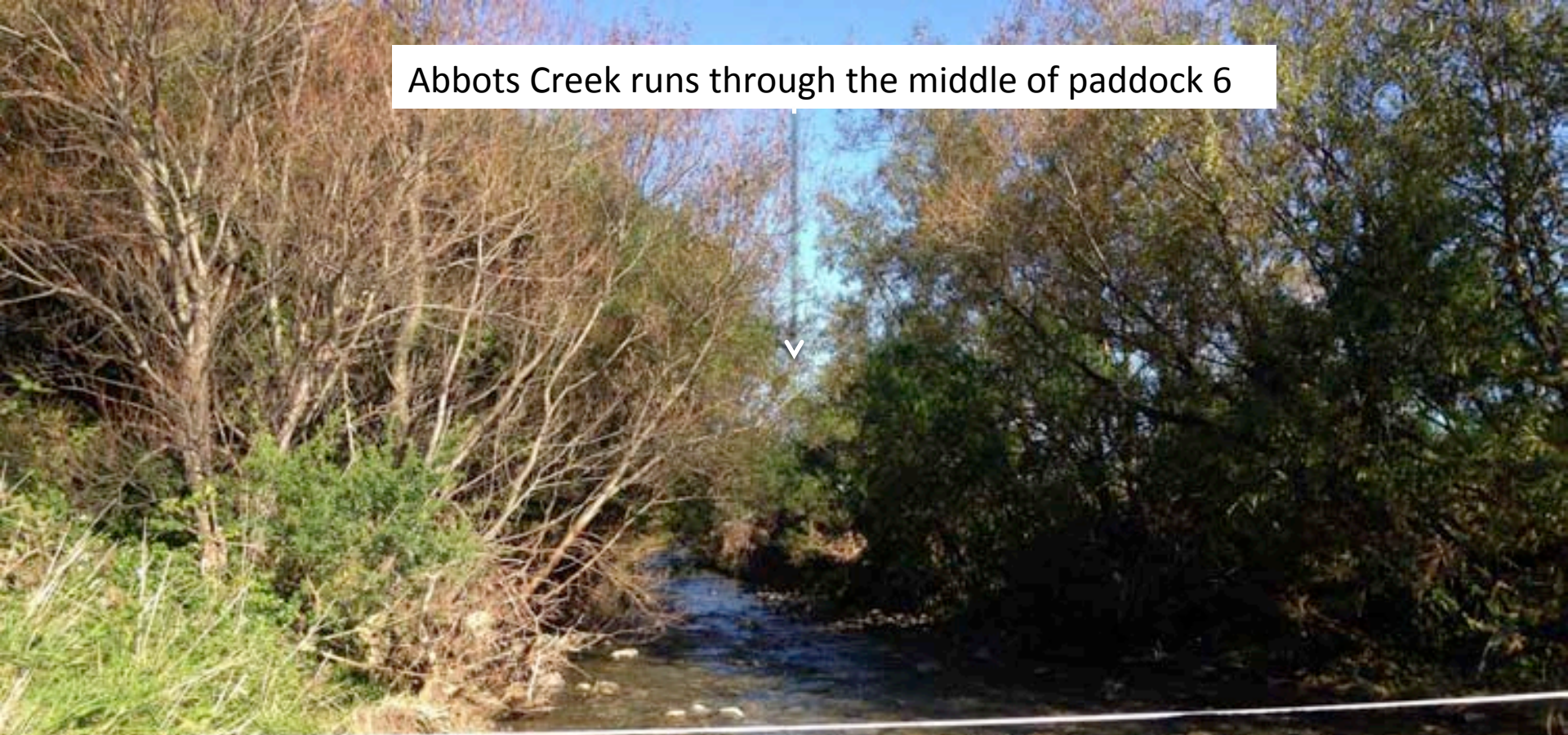


Sanitary pads and faecal matter in brown ammonia rich water.

Abbots Creek North



Abbots Creek runs through the middle of paddock 6



Weed from Abbots Creek into Wairarapa Moana



Irrigators



Issues

- \$ 10 million
- Irrigators not fit for purpose
- Scheme limited and not suitable for growth of community.
- Health and safety issues with drift to neighbours.
- Water table very high at times when irrigation would be needed.

Summary - outcome

- Why was the FCB not kept in touch with this programme?
- This is not acceptable for a growing town
- Recommend that the Featherston Community board call for a halt to the Resource Management approval.
- Re assess the waste water management plan
- Hold a meeting for Featherston Residents
- Make a submission to the wastewater plan.