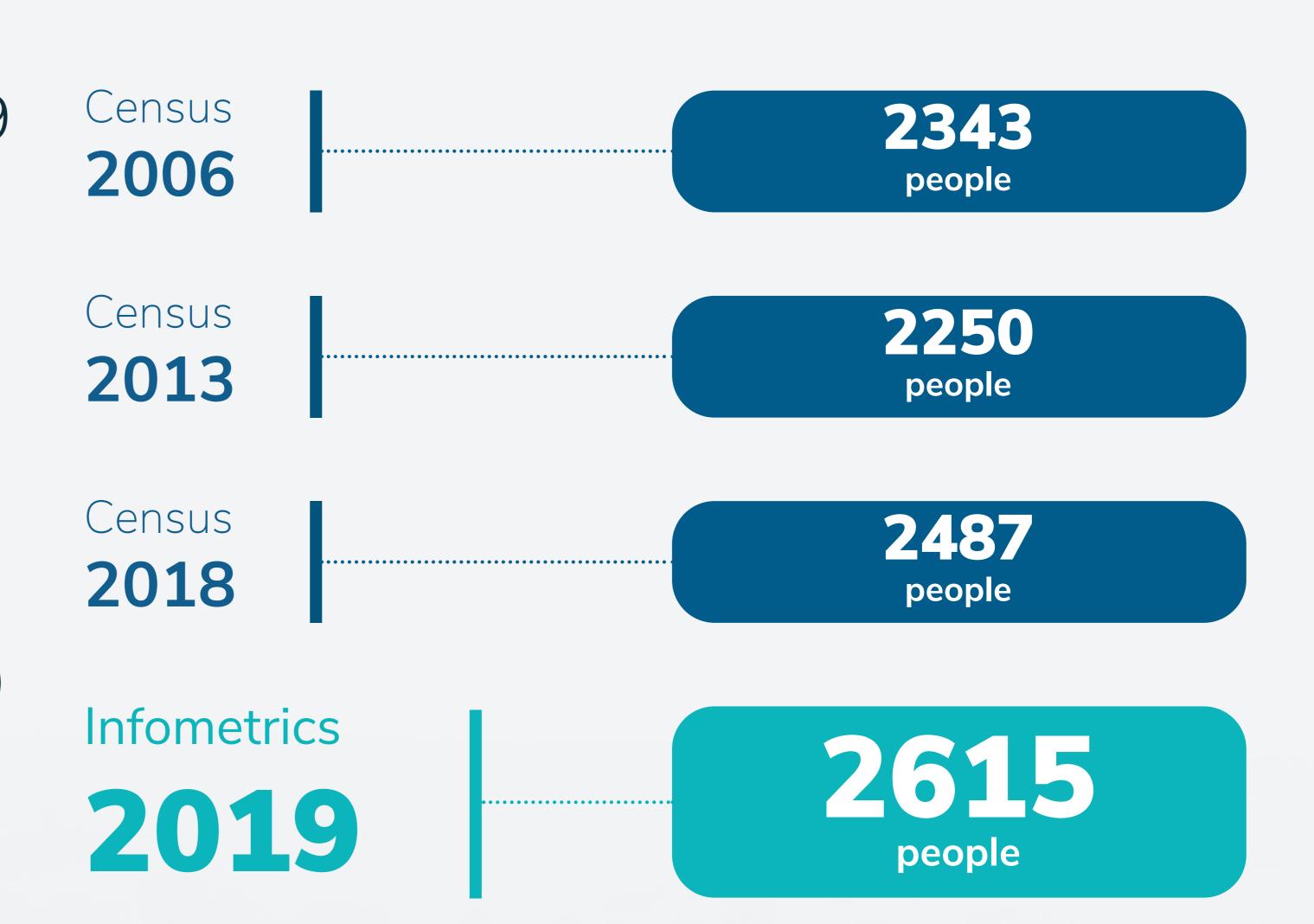
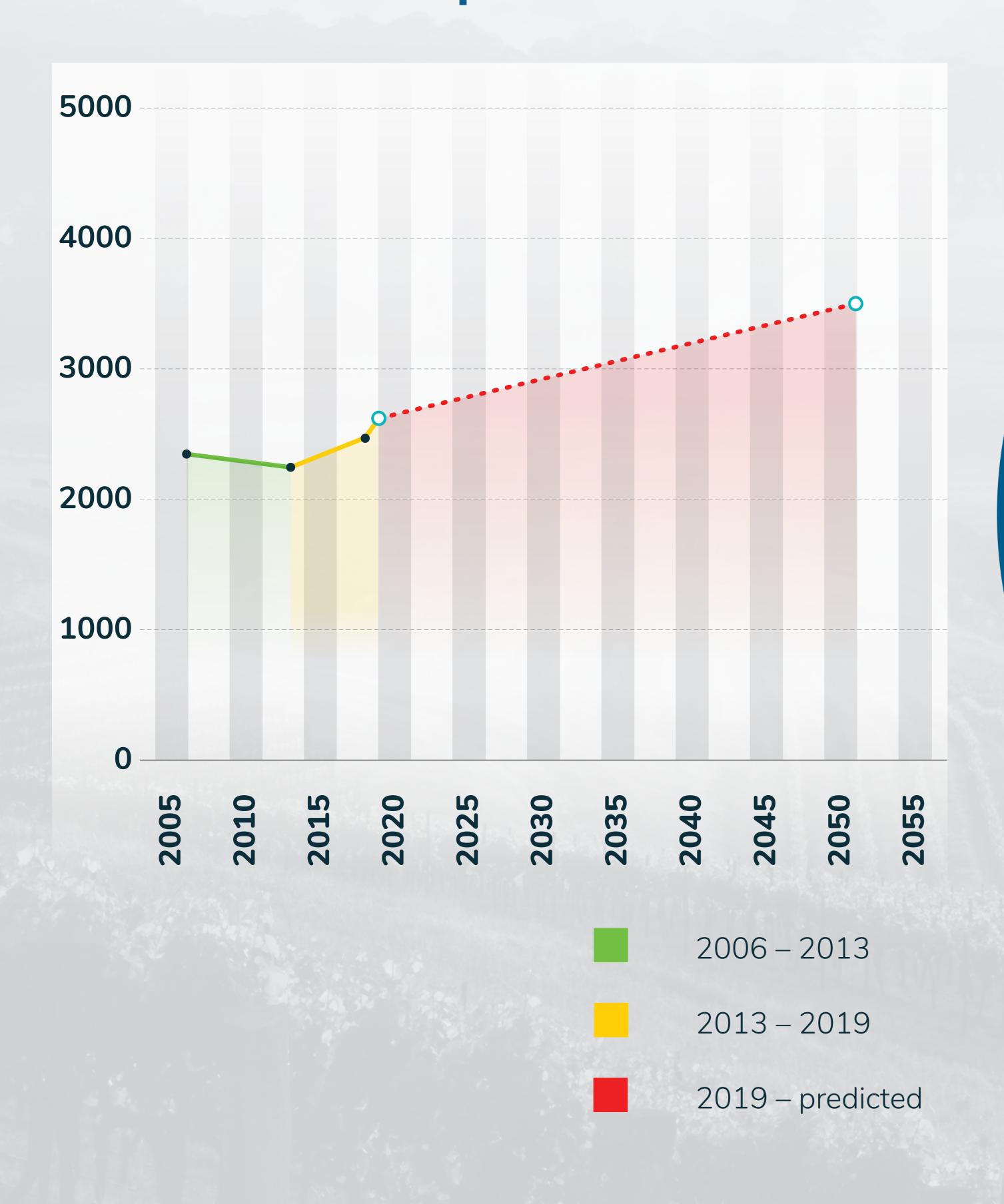
Actual and predicted population growth

The population of Featherston as of 2019 was 2,615 (Infometrics, 2020). Under a medium growth scenario, the population of Featherston is expected to grow by 33 percent to 3,489 people by 2051. The number of households in Featherston is also expected to grow by 38 percent from 1,092 households in 2019, to 1,510 households in 2051.



Featherston Population Growth



Infometrics projections, 2051

33%

Under a medium growth scenario, the population of

scenario, the population of Featherston is expected to grow by 33 percent to **3,489** people by 2051.





Cycle of involvement

Wellington Water is jointly owned by a number of councils, including South Wairarapa District Council (SWDC) since October 2019. Wellington Water's role includes managing wastewater services, aiming to deliver through the shared service approaches, cost savings, resilience and expertise benefits to councils and their communities.

The project aims to consider and identify the preferred option to improve the management of Featherston's wastewater disposal. We want to achieve this goal through thorough consultation and collaboration with the community and stakeholders.







Option assessment criteria

Our project team is developing the outcomes and assessment criteria and these will evolve through the project. Your thoughts on these and for deciding on the preferred option are welcomed now and throughout the project.

MCA Framework

Assessment Criteria 1

Investment
Objectives*

Assessment Criteria 2

Cultural,
Environmental and
Social Impacts

Assessment Criteria 3

Cost, Constructability and Operations

Assessment Criteria 4

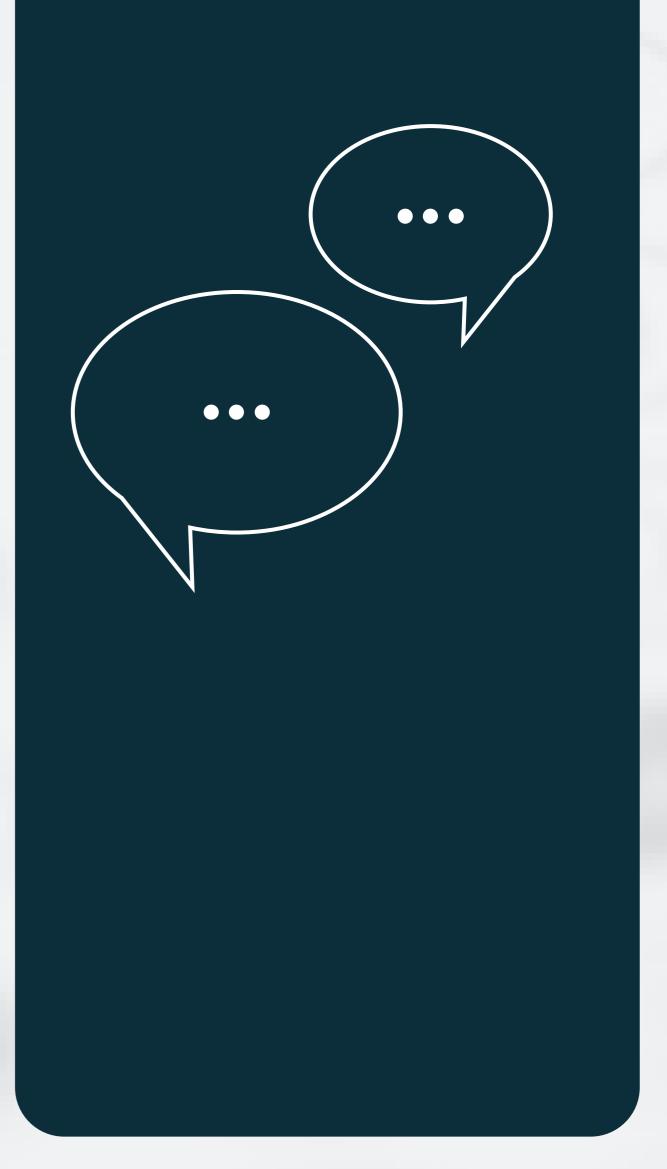
Stakeholders and Community feedback

- 1. The option protects public health in the relevant exposure waterways
- 2. The option reduces effects on river ecosystems and hydrology
- 3. The option Supports carbon neutral goals
- 4. The option has potential for re-use of treated wastewater
- 5. The option has the ability to service population servicing requirements, including ability to adapt to cater for growth
- *The investment objectives will be supported by key performance indicators and measures.

- 1. To what extent does the option retain or enhance landscape and visual amenity?
- 2. To what extent does the option affect air quality?
- 3. To what extent does the option affect groundwater quality?
- 4. To what extent does the option provide for natural processes (plant growth or wetlands) to have contact with wastewater?
- 5. To what extent does the option promote discharges to land over discharges to water?
- 6. To what extent does the option require private property acquisition?
- 7. To what extent does the option affect adjoining land uses?
- 8. To what extent does the option meet current water quality standards and to what extent is it likely to meet future water quality requirements?
- 9. To what extent does the option avoid effects on the relationship of Maori with their ancestral land, waters and taonga?

- 1. How easy is construction for the option?
- 2. How easy is operation and maintenance for the option?
- 3. To what extent will the option provide resilience against potential failures, climate change impacts and natural hazards?
- 4. What is the cost of the option?
- 5. What is the complexity and risk of the option?
- 6. To what extent is the option sensitive to or dependent on the reduction of inflow and infiltration?

Your thoughts Share your thoughts with us and tell us what you think?







Initial thoughts of Key Stakeholders







Area of interest

General Hydrological Setting

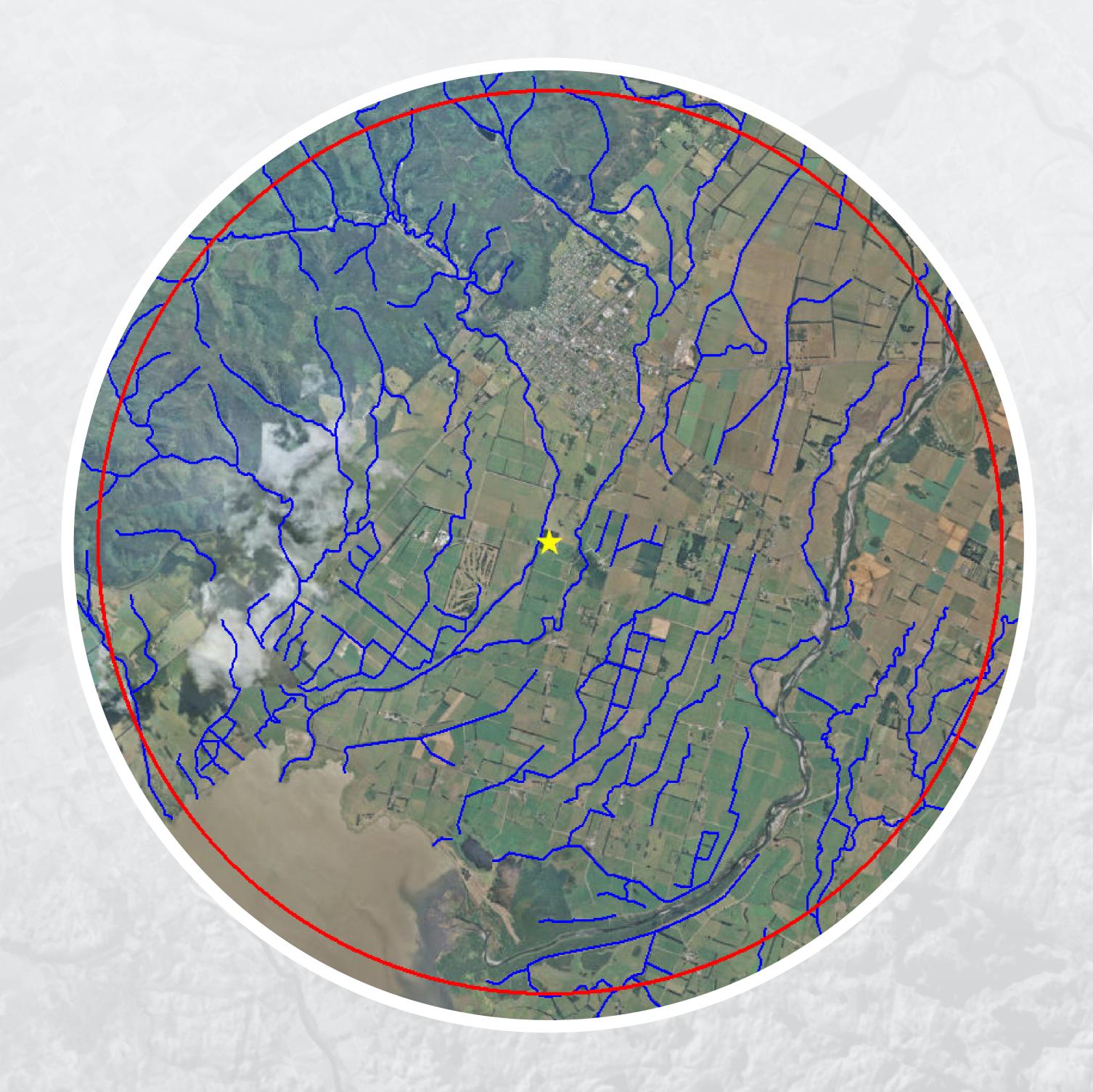
There are a number of small and large streams and rivers in the area. They all eventually discharge into Lake Wairarapa. The dominant water courses in the area of interest with regard to upgrades of the WWTP, are Donald's Creek, the Tauherenikau River, and the Otauira Stream. Most of the other streams shown in the map are likely to be ephemeral rainfall, but are nonetheless noted as streams.

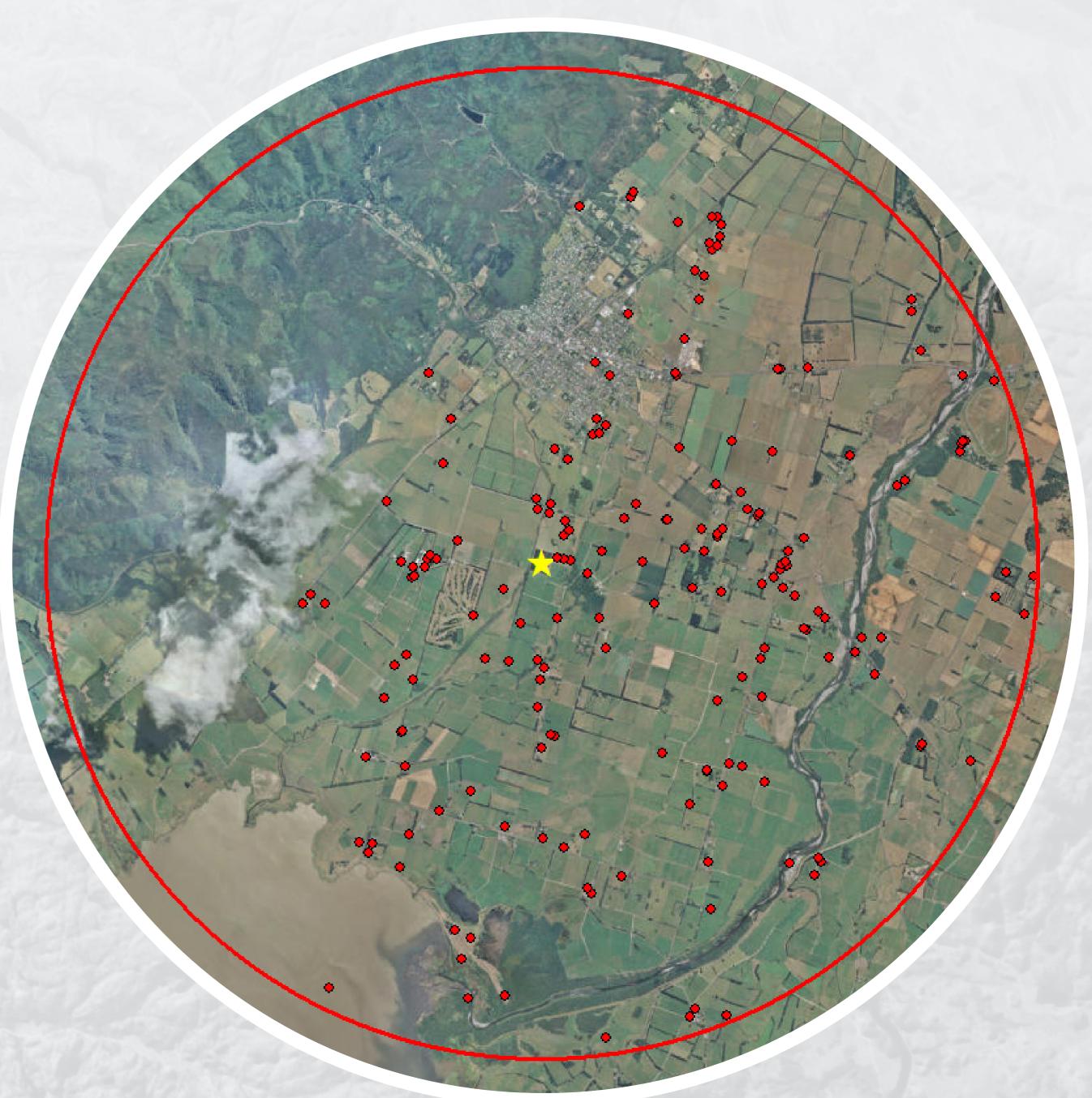
A map showing the location of water below.

Hydrogeological Setting

Groundwater is widely used in the area, with 189 bores located within a 5km radius of the site. 62 are listed as being for domestic supply, 31 are listed as being for irrigation, with the remainder being listed for industrial use, dairy support, groundwater quality or level, or for stock supply. There is one bore located approximately 2.5 km west of the existing WWTP which is listed as being for public supply.

The location of bores in the area is shown in Figure below.



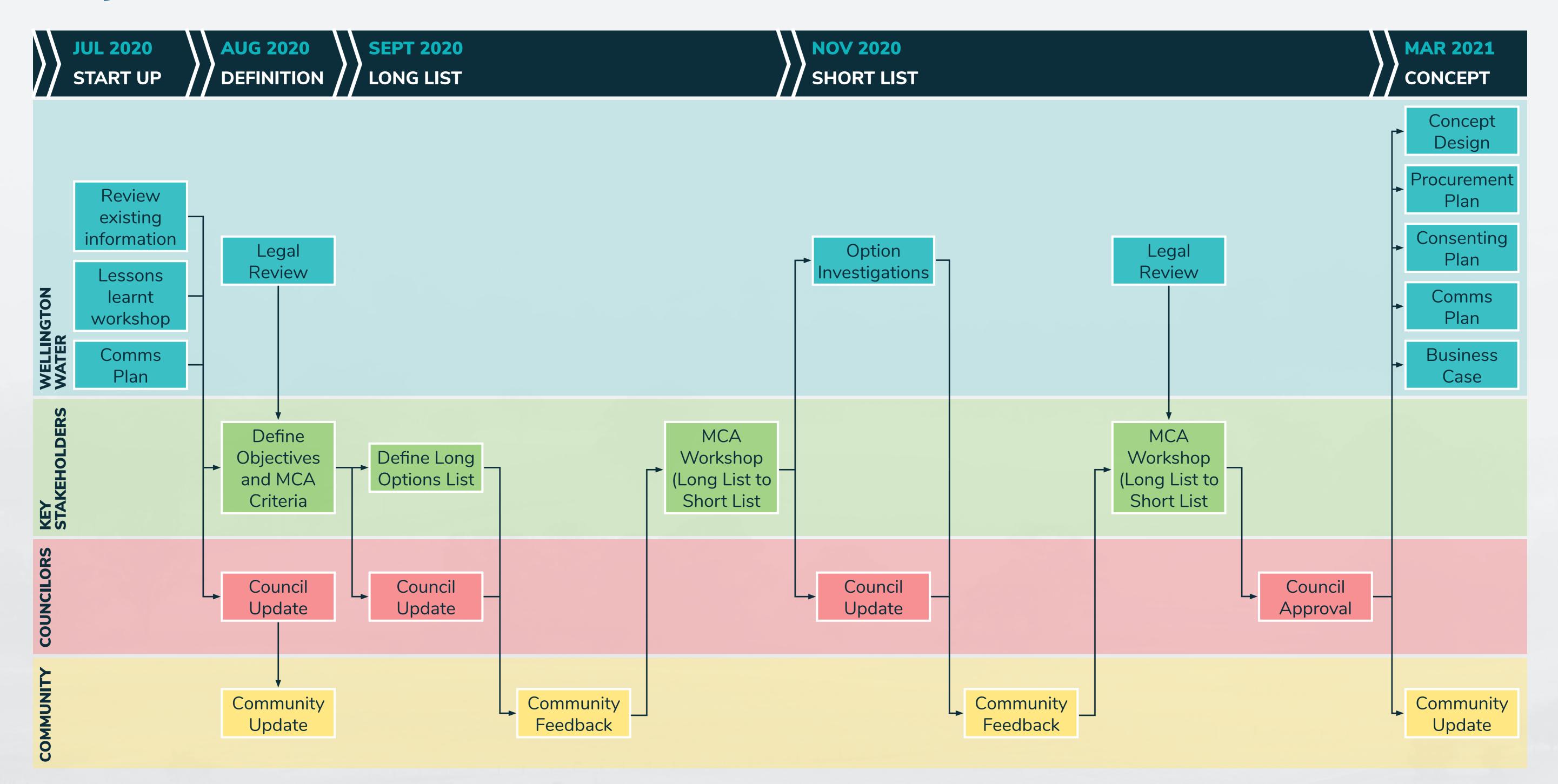




Project timing

The project is at the start of the development phase to identify the Best Practicable Option or the preferred option for the Featherston wastewater. Consultation with our partners and wider stakeholders will include four Multi-Criteria Assessment (MCA) workshops and community and SWDC updates.

Project Timeline — MCA Process



Project Timeline

