

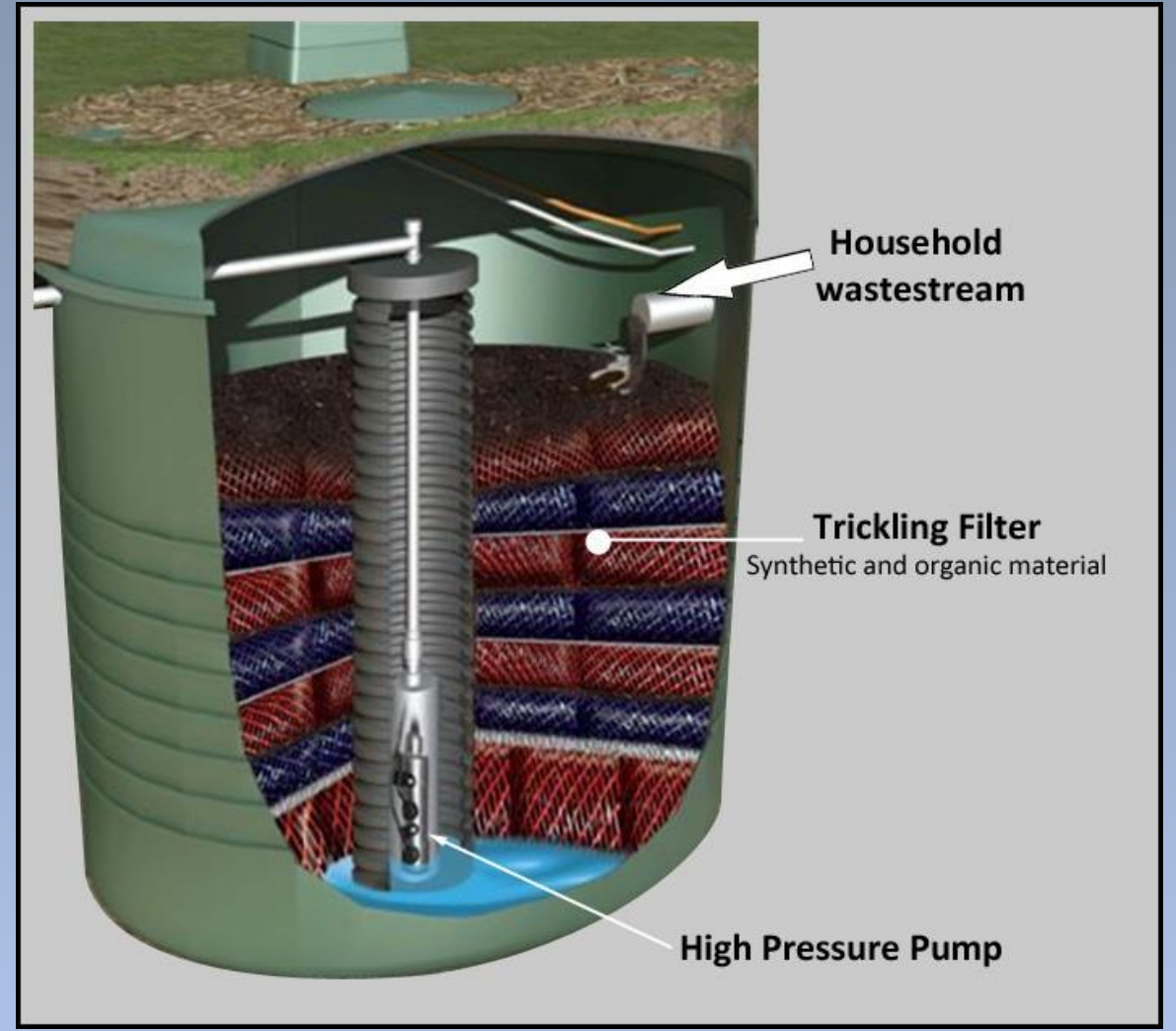
**Kaitiaki, kaimahi me te kāpata Kai:
Iwi solution seeking in wastewater treatment**

History

2011 - 2013	Environment court
2014	RRSS SC
2016	Cultural Impact Assessments Cultural Management Plan Cultural Impacts Team
2017 (Aug)	Resource Consent approved
2018	Iwi Wastewater Liasion Group (IWLG)

Project (PhD Thesis) questions

1. What would culturally appropriate pre-treatment solutions look like and how do they fit with the demands of modern times?
2. Can cultural concessions be made when there are not a lot of practical options to choose from?
 3. How could we mitigate against cultural offence?
4. What type of strategies and solutions would best fit Māori that also align with the needs of the general community and other affected stakeholders?
5. Can we effectively engage with stakeholders to develop options and make the scheme a reality?



Biolytix units breakdown the solids and separate from grey water to mitigate against cultural offence.

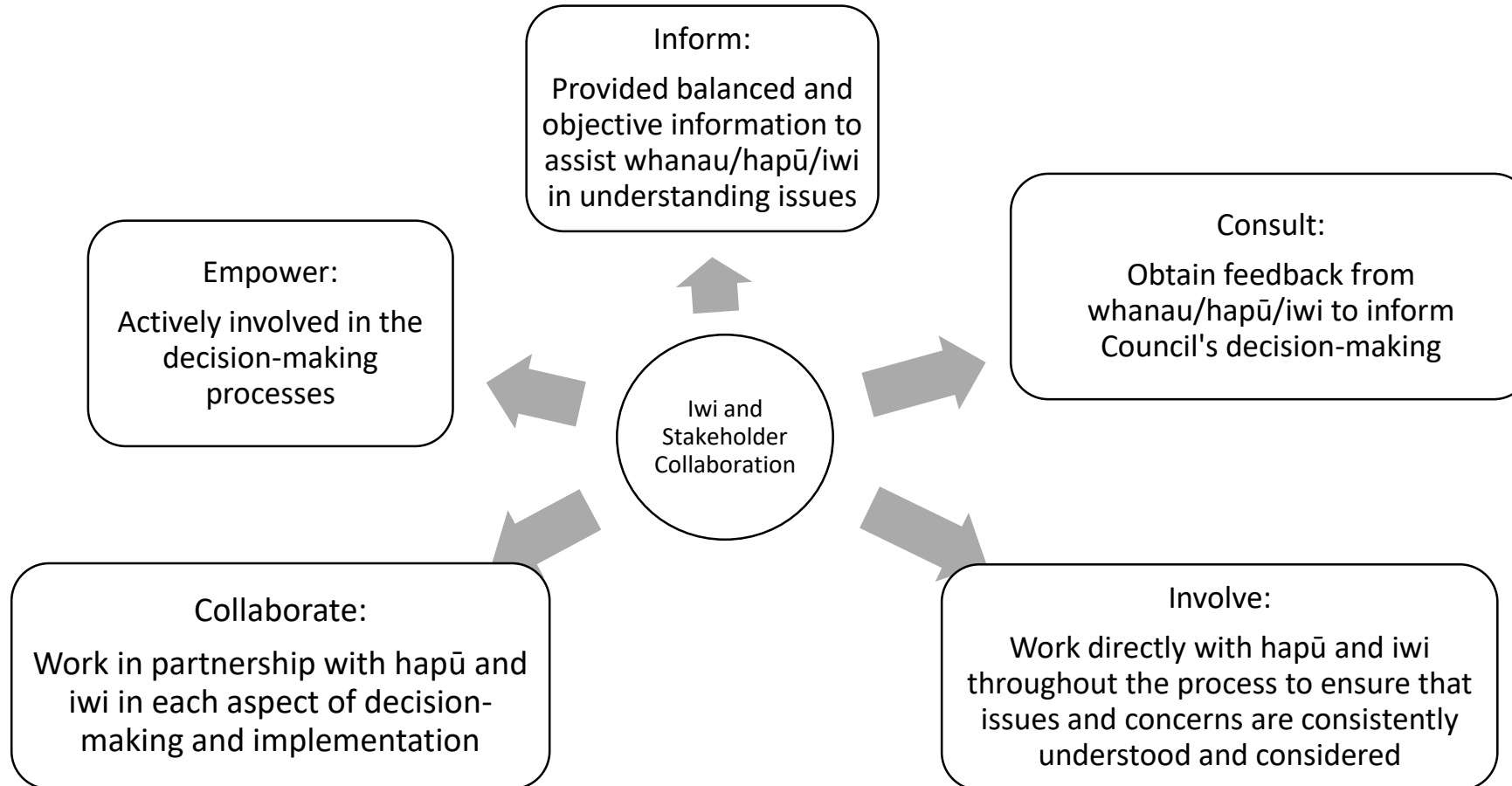
What is the East Rotoiti-Rotomā Sewerage Scheme?

- Reticulated sewage network
24kms – 46kms pipe
(April 2020)
- Wastewater Treatment Facility
Haumingi 9B3B whenua – central Rotoiti
(April 2019)
- \$32m

CULTURAL IMPACTS ASSESSMENT

- Purpose
- Acknowledgement and Recognition
- Relevance
- Objectives

HOW CAN EFFECTIVE ENGAGEMENT WORK?



KEY RECOMMENDATIONS

1. Appointment of Iwi Representatives to be embedded into the Project Team

2. The establishment of the Iwi Wastewater Liaison Group



3. Iwi protocols to be included in all aspects of the Scheme throughout its full-life



CULTURAL HEALTH AND SAFETY INDUCTION

The purpose:

to inform, guide and provide relevant information to all persons who are required to undertake activity on the lands affected by the Rotoiti/Rotoma Sewerage Scheme.

It will ensure that such activities are performed in a way that respects the mana and cultural values of the affected iwi and hapu. In this context our aim is to:

- Provide a basic understanding of the local iwi and hapu;
- Inform visitors of particular areas of significance; and,
- Afford an understanding and an appreciation of the significance of the area to iwi and hapu.



ACCIDENTAL DISCOVERY PROTOCOLS

WHY?

Protocol guidelines are provided for the purpose of declaring to all peoples involved in works in our area, that we have expectations of the fulfilment, without argument or interference, of our tikanga principles as embodied in these protocols

WHAT?

Protocols have been prepared for application to the East Rotoiti/Rotoma Sewerage Scheme – Reticulation Network.

WHO?

This is a combined approach by affected iwi in respect of this project.

These protocols apply to all staff and contractors involved in works and activities associated with the Scheme

CULTURAL FINDS

1. Toki – Axe head/Adze



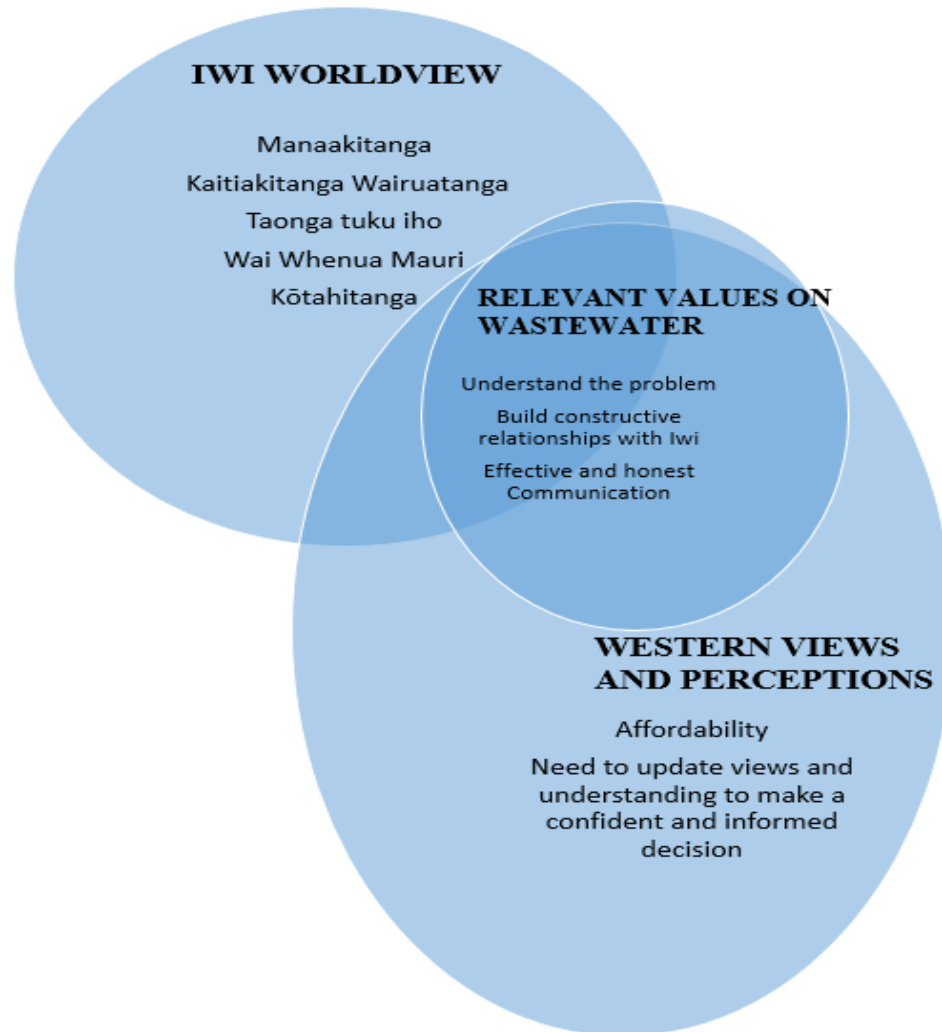
3. Vein of Kākahi Shells



2. Midden



AN IWI VALUES FRAMEWORK



IWI VALUES FRAMEWORK

Moving forward...now what?

How would you engage Iwi/Indigenous peoples into your future projects?

What knowledge could be gained by having Iwi/Indigenous groups as part of your project?

What cost savings could be had by involving Iwi/Indigenous from the beginning?