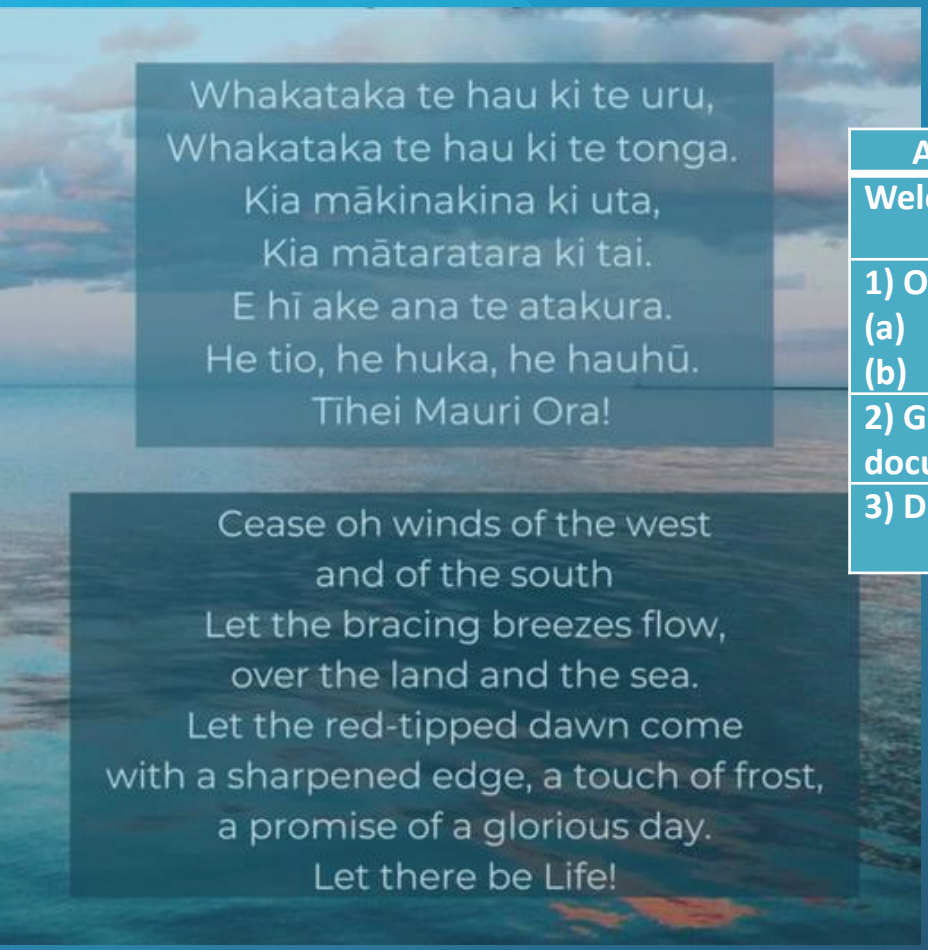
Raglan WWTP Discharge Consent Application Project

June 2023– Technical update



Agenda		
Welcome/ Introductions/ Overview	Cllr	5m
1) On-going project work: **(a) Private SDI Concepts** **(b) Feasibility of short-listed options**	Steve	10m
2) Groundwater Expert Studies to document Location Characteristics	Steve	10m
3) Discussion and Q/A time	Cllr	

Waikato DISTRICT COUNCIL
Te Kaunihera aa Takiwaa o Waikato

PROJECT UPDATE - June

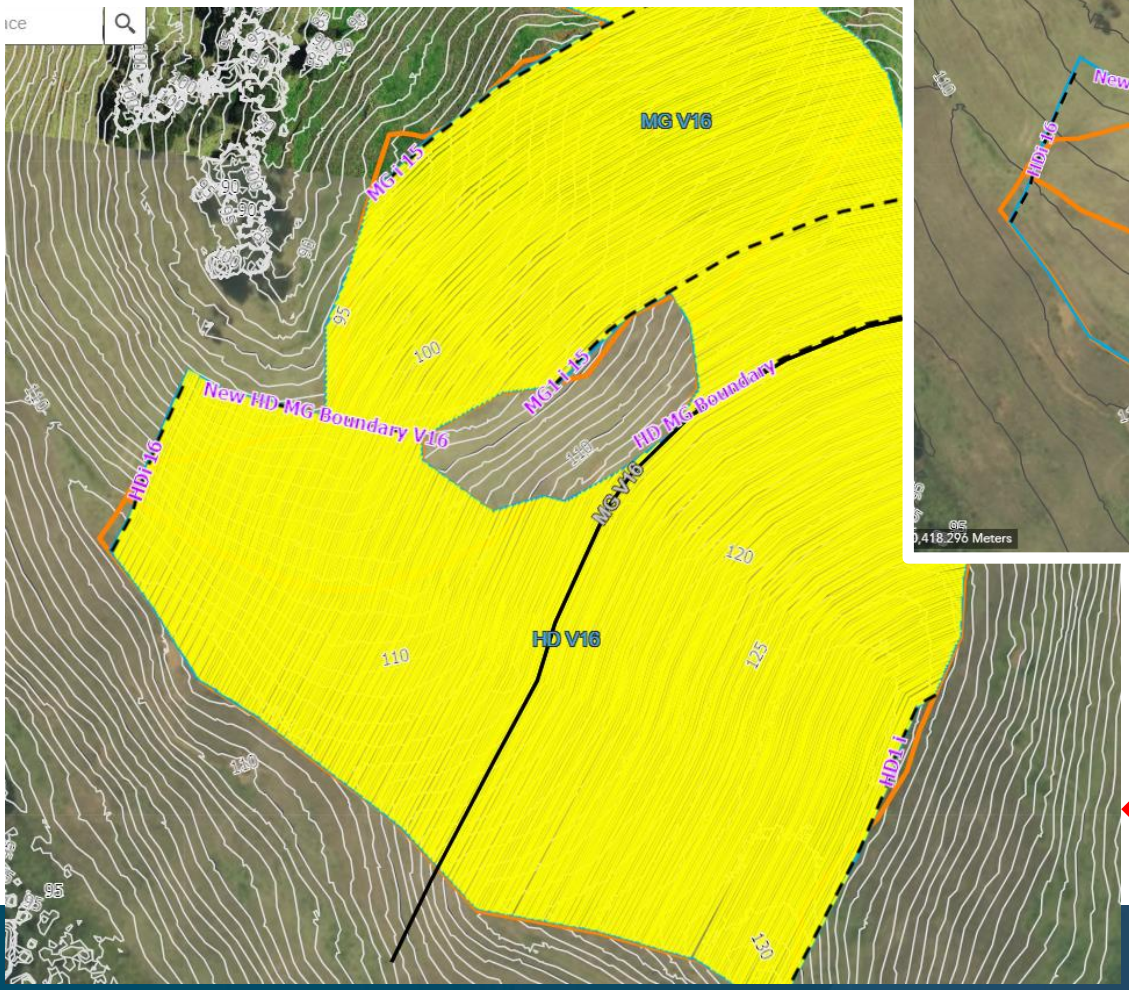
Activity 1: conveyance studies: *theoretical flows from MBR provided to consultant design and costing – Tendering for treatment upgrade imminent: Collaboration between treatment and discharge workstreams underway – Stakeholder Updates, clarity to be forth-coming*

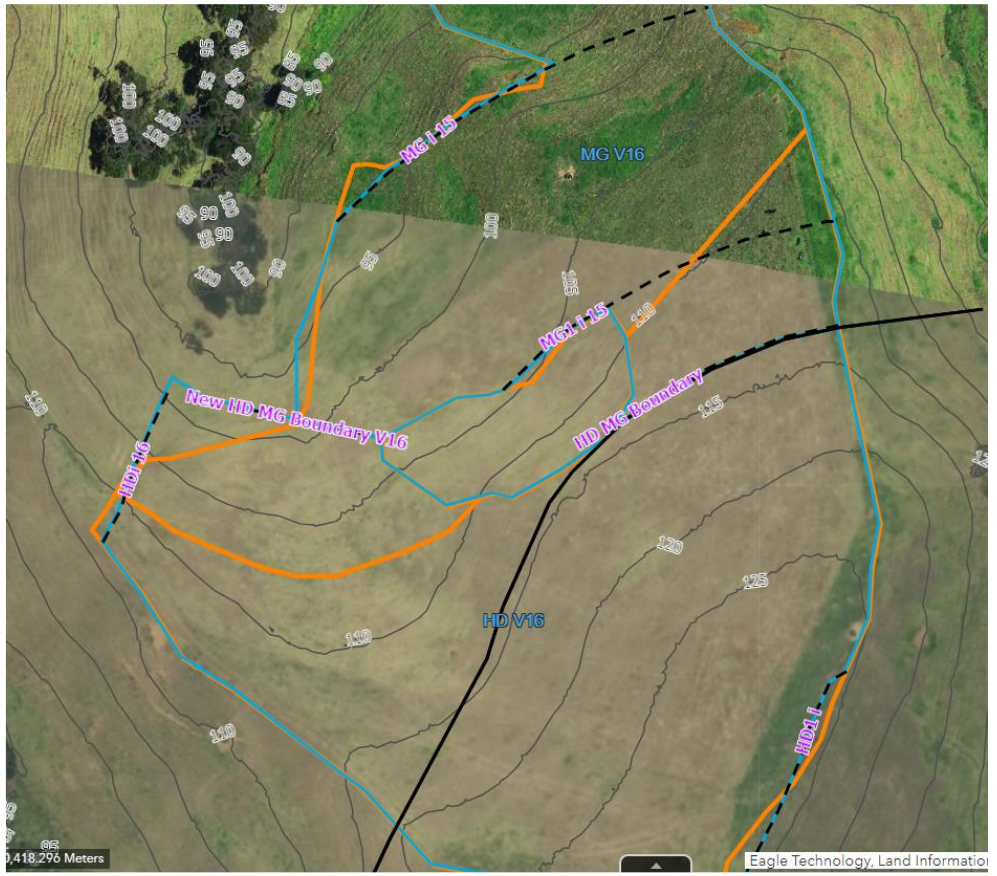
Activity 2: WDC led activity: MOU: *Update provided – Anticipated*

Activity 3: Private SDI Investigation site : *21-22 hectares of the area have suitable soil pockets (next slide)*

Private Land SDI - Conceptual Methodology (GIS Portal)

- *Walked route (orange), Maximised route (blue)*





- *6 Zones (2ha high-rate & 1.5 ha med-rate)*
- *Pipe length optimisation (parallel lines, drainage to contour*
- *Next Steps: WGB reporting*

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PROJECT DOCUMENTATION- HYDROGEOLOGICAL BASELINE STUDY – Required for SDI Optioneering

SCOPE SUMMARY: Undertake a Desktop Study to gather information on the geology, groundwater aquifers, and related factors in the area. Tasks involve reviewing available data, obtaining council records on boreholes and groundwater usage, and developing a conceptual groundwater model.

HIGH- LEVEL OBJECTIVES (Distributed)

The Hydrogeological Desktop Study aims to:

1. *Prepare a conceptual study report that will contribute to a future Assessment of Environmental Effects investigation on private and public land discharge options via Subsurface Drip Irrigation (SDI). The study shall focus on a favoured SDI investigation site, adjacent to Maungatawhiri Rd.*
2. *Analyse key groundwater (GW) features, including springs, GW bores, rainfall recharge, and groundwater flow processes within a 5 km radius of the Maungatawhiri Rd site. This will document GW characteristics of the current town spring water supply and groundwater supply bores.*
3. *Develop a clear understanding of GW flow processes in the area and communicate this information to the local community to enhance hydrogeological knowledge, particularly in the vicinity of the Maungatawhiri Rd site.*

5) Closing:

- Round Up: Chairman: