

9 September 2024

Job No: 1093313

The Property Group
Level 3 / Five Mile Centre,
36 Grant Road,
Queenstown 9371

Attention: Jo Skuse

Dear Jo

Gore DC Plan Change - Boundary Road

An assessment of the flood risk for the land circled in red on Figure 1 below has been undertaken based on the flood model previously developed by Tonkin & Taylor (T+T). The land lies approximately 700m to the east of the Mataura River in an area that is relatively flat and contains no significant obstructions that would prevent river overflow reaching the site. The T+T flood model has highlighted that this area lies mostly within the H5 flood risk zone up to the existing drainage creek located approximately 50m to the west of Whiterig Road. An H5 flood risk rating indicates a high risk of flooding for a 1% AEP event. This aligns with the Southland Significant Floodplains extent, which is shown on Figure 2 below.

The flood model shows that the site contains a maximum flood depth of approximately 2.9m for a 1% AEP event. Flood depths for a range of locations are shown on Figure 2. The flood depths further reduce as the site rises towards Whiterig Road.

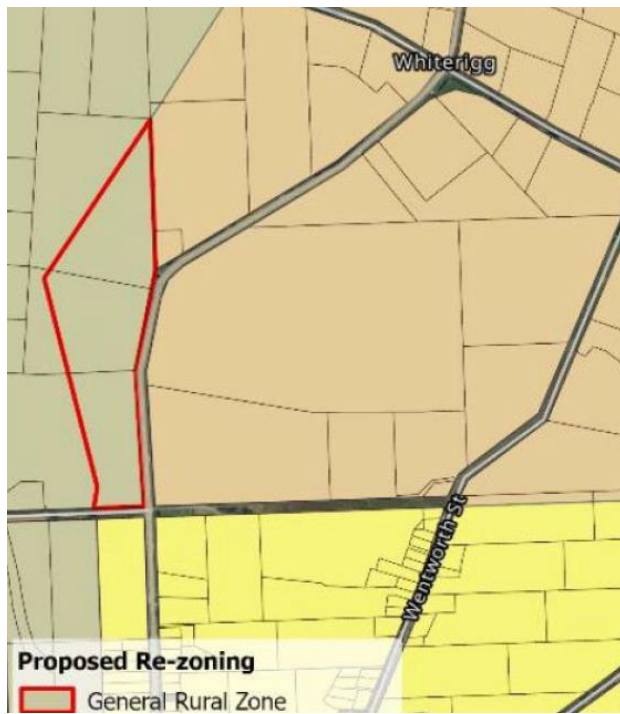


Figure 1. Location of the Land



Figure 2. Southland Significant Floodplain Extent

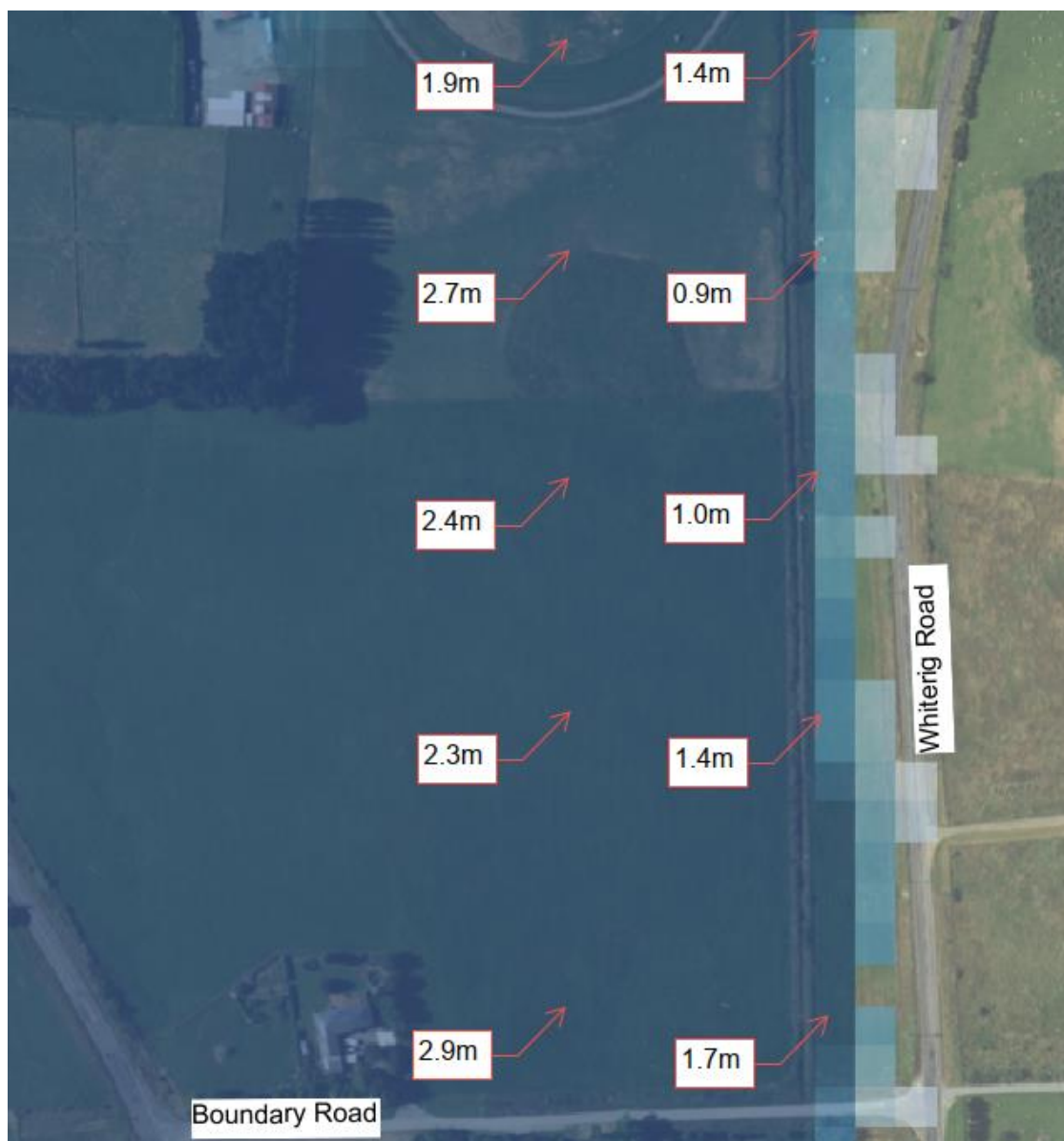


Figure 3. Approximate Flood Depths

Kind regards,

Julian Hampton | Civil Engineer

BE (Hons)

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