



### Lake Ngaroto - Riparian Planting and Pest Fish Removal



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This project involves improving the environmental state of one catchment to make a positive long term contribution overall to improving the health and wellbeing of Te Awa O Waikato.

**Riparian Planting:**

A native planting plan was prepared for Waipa District Council in February 2013. The plan indicated that willow control and extension of riparian planting were key target areas to improve water quality levels. Out flows from Lake Ngaroto meet Te Awa O Waipa and contributes to the degraded water quality of Te Awa O Waikato. Bolstering of riparian buffer planting areas is one way to attenuate nutrient loading.

Waipa District Council has contributed towards planting in the area over the last year.

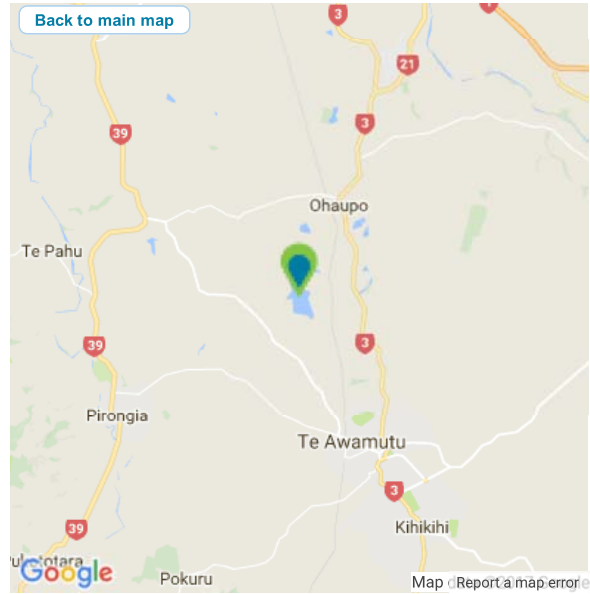
**Pest Fish Control:**

Pest fish (such as Koi-Caro and cat fish) grub through the sediment and re-suspend soil particles that in turn cause turbidity but also re-suspends particles that have phosphorus attached. Many lakes are phosphorus dependent; and large amounts of phosphorus and other nutrients cause algae blooms. Removal of the pest fish is one of the few remaining options for water quality enhancement within Lake Ngaroto. The bigger picture improvement is difficult to quantify, however the project is worth consideration as another method to improve water quality.

Funding from WRA 11-115 was used to obtain resource consents from the Regional Council to give effect to the restoration plan.

This project is funded by the Waikato River Authority (WRA 13-057).

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