



Stream restoration Waikeria Prison



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Waikeria Prison is set amongst three large dairy units. Throughout the farms run approximately 20km of waterways including 9.5 kms of the Mangatutu Stream and 7.5 kms of the Waikeria Stream with the balance in small tributaries.

This project will create riparian buffer zones to mitigate nutrient run off. In addition, the rivers and streams (particularly the Mangatutu) are clogged up with overgrown poplars and willows, which are a flood risk, these will be removed as part of the project.

Creation of a 3-metre buffer zone and plant spacings of 2 metres will see around 45,000+ trees to fully plant the riparian margins of the dairy farms.

Scope of the project:

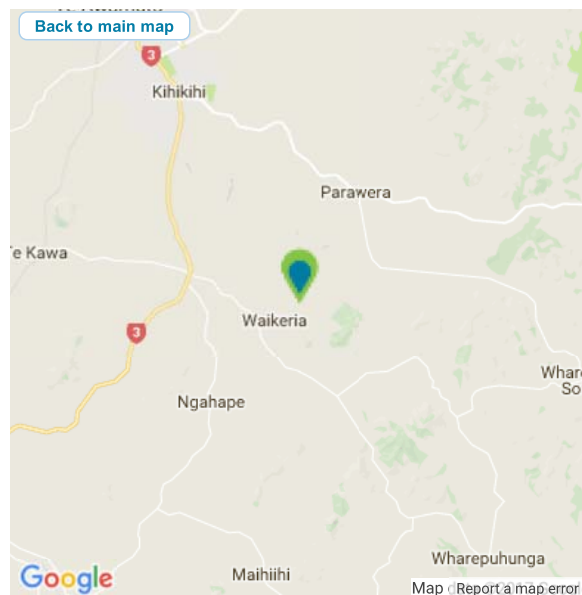
- Removal of large poplars, willows, and debris from 9.5 km of Mangatutu stream flowing through the Waikeria prison farms.
- Planting of selected native trees and stabilisation trees on riparian margin of 9.5 km of Mangatutu Stream and approximately 10 km of other tributaries within the prison farms.
- Development of native plant nursery within Waikeria prison grounds to propagate eco sourced native seedlings for the restoration project.
- Delivery of practical agricultural and horticultural training through Department of Corrections instructors on restoration of the riparian margin.
- Delivery of wider environmental educational message through Sustainable Coastlines and Manawhenua.
- Maintain plantings through releasing programme and fencing maintenance.

Project resources:

- Sustainable Coastlines - Coordination, educational delivery.
- Department Of Corrections – Operations (inmates), educational delivery, supervision, landowner.
- Waikato Regional Council – River management planning, consent, removal of poplars and willows.
- Manawhenua, and Mangatoatoa Marae – Consultation, seed collection, trees, education.
- Neighbouring Landowner Jeanette Quinn (True right of the Mangatutu stream)

This is a Waikato River Authority funded project (WRA 14-040).

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