



Upper Mangatutu Stream Restoration



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This project seeks to stabilise and enhance a 3km stretch of the Mangatutu Stream.

The primary objectives of:

a) Improving local and downstream water quality by:
Reducing areas of stream bank erosion,
Creating shade by planting to reduce summer water temperatures,
Permanently excluding all stock from the waterway.

b) Improving the biodiversity values of the Mangatutu Stream by Removing nuisance weeds such as grey willow, broom, gorse and blackberry from the riparian margin and replacing them with appropriate native vegetation and improving in stream habitat for trout and indigenous fish.

c) Improve the environment for recreation along the river.

d) Strengthen the connections between the awa and the local community and whanau

To achieve these objectives, the following work will be required:

Construction of small bank protection rock groynes in key locations along the river where there is severe bank erosion and lateral migration of the river.

Spray nuisance vegetation on the riparian margins.

Upgrade and re-alignment of riparian fences to increase riparian margins to 7m.
Planting sections of the riparian margin with Matsudana willow poles to strengthen the banks provide shading and reduce erosion.

Planting sections of the riparian margin with eco-sourced, quality native plants to create habitat for birds and improve the in stream habitat for trout and indigenous fish.

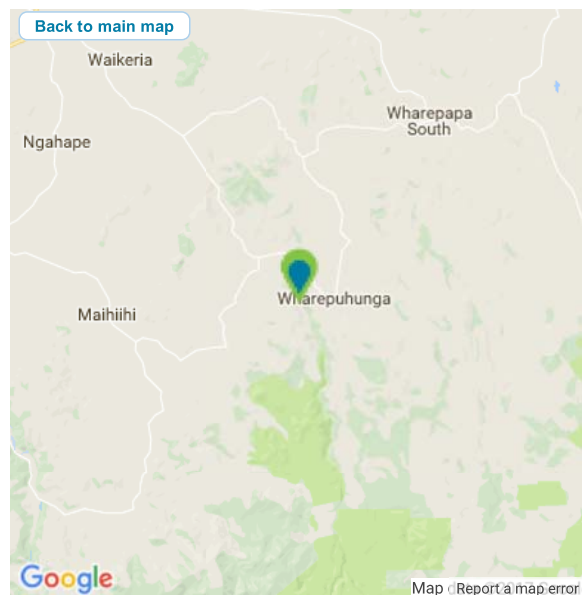
Place 'fish hotels' (small culverts) throughout the rock groynes to create extra habitat for trout and indigenous fish.

As well as aim to improve the natural habitat and environment of the awa, we also intend to bring the people who have a connection to the Upper Mangatutu Stream together to all be involved in the restoration project together. These people come from the groups including Maniapoto Maori Trust Board, Raukawa Charitable Trust, Mangatoatoa Marae, Hamilton Anglers Club, Department of Conservation, Otorohanga District Council and the local landowners.

A community planting day will be held each year to undertake native planting along the stream.

The community will also be involved during the planning stages of the project eg. Hamilton Anglers Club will be involved in planning for good access around the riparian margins and Mangatoatoa Marae will be involved in sourcing eco-sourced plants for the project. This is a Waikato River Authority funded project (WRA 14-050).

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