

Wairoa River Canal Waterway Development

Client

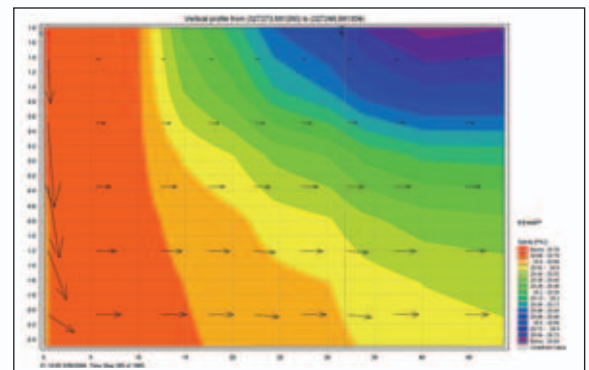
Wairoa River Canal Partnership.

Project

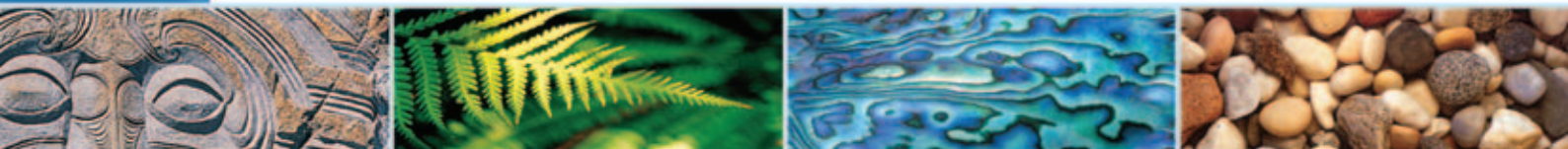
The Wairoa River Canal Waterway Development is a 279 lot canal village subdivision adjacent to the lower reaches of the Wairoa River. The scheme involves 4.5 km of canal covering 22 ha and is intended to accommodate powerboats up to 20 m in length and yachts up to 10 m in length. The scheme includes a weir to control water levels within the canal system and navigation lock. Following on from past work on the Whitianga and Whangarei waterway developments, Tonkin & Taylor provided a technical study of coastal issues associated with the development in support of an assessment of environmental effects. Three dimensional hydrodynamic, water quality and sedimentation modelling was undertaken enabling refinement of canal design to achieve best practice environmental standards.

Services provided

- Project scoping
- Detailed field investigations
- Coastal process assessment
- Assessment of river hydrodynamics
- Weir design and hydrodynamic assessment
- MIKE3 3D hydrodynamic, water quality and sedimentation modelling within the canal system.



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