

## Bowden Road Treatment Facility, Auckland

### Client

Auckland City Council.

### Project

The Bowden Road stormwater treatment facility is part of Auckland's initiative for protecting the environmental and recreational values of the city. The facility captures sediment, litter and associated contaminants.

Tonkin & Taylor provided stormwater design and construction monitoring for the project. The facility comprises a settling basin and floating litter trap retrofitted at an existing stormwater outfall.

The basin was constructed using deep piles and precast concrete walls, providing an open structure for ease of maintenance. The facility benefits the marine ecosystem and helps promote water based recreational activities in the area.

Innovative features include a fish passage and a permanently positioned litter trap able to move vertically over a water height difference of 4 m.

### Services provided

- Geotechnical investigations and design
- Stormwater treatment design
- Stormwater flood management
- Hydraulic design of discharge structures
- Structural design
- Preparing consent applications
- Compilation of tender documentation
- Preparation of a comprehensive operation and maintenance manual.



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