



**Tonkin & Taylor**

## Water resources

With growing demands on our water resources, both in New Zealand and across the globe, maintaining and enhancing water quality is subject to ever increasing pressure. The need for expert technical inputs to guide and direct water quality managers is critical.

Tonkin & Taylor's water quality team, comprising environmental scientists, planners and engineers, provides expert services across the full range of specialist water quality areas:

### Water quality investigations:

- Survey design and development
- Specialist sampling techniques for surface water, groundwater, and piped water systems
- Data analysis and interpretation, including statistical and multivariate techniques

### Ecological water quality:

- Assessment of water quality impacts on ecosystems
- Water quality restoration for ecosystems

### Catchment and Watershed Management:

- Land-use analysis
- Sanitary inspections
- Integrated Catchment Management planning
- GIS analysis
- Water quality modelling
- Policy development

### Water quality modelling:

- Dilution and dispersion modelling
- Pollutant fate and transport modelling
- Ecological integration

### Pollution assessments:

- Pollution incident investigations and strategic advice
- Point source discharge pollutant assessments
- Diffuse source assessment

### Stormwater management:

- Stormwater discharge assessments
- Stormwater consenting
- Stormwater treatment and design
- Subdivision low impact design and stormwater minimisation
- Industrial site stormwater management

### Wastewater management:

- Wastewater discharge assessments and consenting
- Wastewater treatment and design
- Sewer overflow assessment and mitigation

For more information please contact Peter Roan or Tim Fisher

[www.tonkin.co.nz](http://www.tonkin.co.nz)

