

Water quality



Our experience

Water quality science is a core service area for Streamlined Environmental. Dr Mike Stewart and Dr Ngaire Phillips are both experienced water quality scientists. We have worked on a diverse range of research and consultancy projects which utilise our in-depth knowledge of water quality issues in urban and rural settings, in freshwater, coastal and estuarine environments throughout New Zealand, as well as in Australia.

Field-based investigations

We have practical experience through design and implementation of field-based water quality monitoring programmes and subsequent analysis and reporting, often as part of programmes of work to support applications for resource consents.

Technical reviews and advice

We regularly undertake technical reviews and provide technical advice to Regional Councils, Territorial and Unitary Authorities and other clients. Such reviews generally involve critically reviewing the science presented in support of a resource consent application, identifying gaps and recommending additional science needs.

Expert witness

We have prepared and given evidence at a number of Resource Consent hearings on behalf of Councils, as well as other clients (including developers and iwi). In addition, Dr Phillips and Dr Stewart are qualified RMA commissioners. We consider our experience as decision makers is invaluable in assisting us when we are required to present as expert witnesses.

Project examples

- Reconsenting of wastewater discharge consents for Ravensdown Fertiliser, Napier (2020-current).
- Assessment of ecological and human health effects from the discharge of MBR treated wastewater, Kingseat, Karaka Lakeview Ltd (2020-current).
- Reconsenting Kinleith Mill's wastewater discharge consents, Oji Fibre Solutions (2019-2021).
- Technical review of the Napier marine wastewater outfall seepage resource consent, Napier City Council (2020).
- Potential ecological effects of expansion of mining operations at Waihi, Waikato Regional Council (2019).
- Water quality and risk assessments at Marsden Point oil refinery, Refining NZ (2019-2020).
- Potential ecological effects of accidental and overflow discharges of untreated sewerage to the Waimea Estuary, Nelson, Nelson City Council (2017 – 2018).
- Assessment of adverse effects from oil and grease discharges, Meridian (2020).
- Literature review of the risks and adverse effects from waterborne contaminants in Otago, Otago Regional Council (2016)
- Review of total residual chlorine discharge consent limit in wastewater discharge, Van Den Brink Poultry (2021).