

Richard Montgomerie

Qualifications

MSc (Ecology) - Otago University.

Professional Affiliations

- New Zealand Freshwater Sciences Society.
- New Zealand Royal Society.
- Resource Management Law Association.
- Rotorua Lakes Water Quality Society.
- Eastern Region Fish and Game Councillor.



Career Summary

Richard is the founder and director of Freshwater Solutions Ltd. As a freshwater scientist and environmental consultant Richard has worked throughout New Zealand and in Europe since 1998. He specialises in providing freshwater environmental services to address management issues including monitoring and assessing freshwater ecological effects associated with a wide range of activities such as discharges to water, land use change, water takes, damming and diverting water.

Richard has held senior roles at Kingett Mitchell Ltd, the Water Research Centre (UK) and Golder Associates including managing Kingett Mitchell's Christchurch office and Golder Associates Tauranga office.

Richard has managed a diverse range of freshwater environmental projects in many sectors throughout New Zealand and has an in-depth knowledge of the freshwater resources, water management issues, stakeholders, sectors and regulators in all our regions. Project managing complex multi disciplinary teams, providing strategic environmental advice and expert representation are services that Richard has provided to many of New Zealand's largest public and private sector organisations.

Employment Record

Director Freshwater Solutions Ltd 2009 - present

Founder and director of Freshwater Solutions Ltd - a specialist freshwater environmental consultancy. Responsibilities include business development, health and safety, managing project teams, delivery of multi disciplinary environmental assessment projects, budgeting and financial performance, client liaison, technical report writing, consultation processes, expert evidence preparation and presentation.

Senior Freshwater Scientist/Office Manager/Project Manager - Kingett Mitchell Ltd and Golder Associates 2002 - 2009

Responsible for project management, preparing budgets and invoices, client liaison, marketing and the preparation of proposals, technical report writing, consultation processes, expert evidence preparation and presentation. Responsible for establishing and managing the Golder Associates Christchurch office (2002 – 2006) and Tauranga office (2007 – 2009) including client and business development, Health and Safety, managing project teams, budgeting and financial performance.

Environmental Consultant/Project Manager – Water Research Centre (UK) 2000 – 2001

Responsible for project management including supervising staff, preparing budgets and invoices, client liaison, marketing and the preparation of proposals. Responsible for technical investigations and reporting for a range of public and private sector clients including the Environment Agency and European Commission and Water Companies.

Freshwater Ecologist/Environmental Consultant/Project Manager – Kingett Mitchell Ltd 1997 – 2000

Responsible for project management including supervising staff, preparing budgets and invoices, client liaison, marketing and the preparation of proposals, and technical reports. Responsible for the analysis and presentation of environmental data using spreadsheet, statistical and word processing software including preparation of expert evidence.

Selected Project Experience

Hydro-electricity Sector

Environmental Monitoring and Consenting - Trustpower Ltd. Project manager responsible for managing a wide range of environmental monitoring and assessment of effects projects throughout New Zealand.

Environmental Technical Advisor for Project Aqua – Environment Canterbury. Project manager responsible for managing a multi disciplinary team delivering technical advice on Meridian Energy's application for resource consents for Project Aqua.

Environmental Technical Advisor for North Bank Tunnel – Environment Canterbury. A member of a multi disciplinary team delivering technical advice on Meridian Energy's application for resource consents for the North Bank Tunnel proposal.

Environmental Technical Advisor for the Wairau River Hydro Scheme – Marlborough District Council. Project manager responsible for managing a multi disciplinary team delivering technical advice on TrustPower Ltd's application for resource consents for the development of a hydro electric scheme on the Wairau River.

Assessment of Effects Clyde and Roxburgh Dams – Contact Energy. Freshwater biologist/project manager responsible for the assessment of the environmental effects associated with the operation of the Clyde and Roxburgh Dams.

Assessment of Effects Waihinoa Aquaduct – Tongariro Power Scheme – Genesis Energy. Freshwater biologist responsible for the assessment of the environmental effects associated with the operation of the Waihinoa Aquaduct.

Assessment of Effects Mini Hydro – Perivale Farms Ltd. Freshwater biologist responsible for the assessment of the environmental effects associated with the construction and operation of a mini hydro on the South Islands Westcoast.

Expert Evidence (selected)

Southland Regional Water Plan – Southland Regional Council Hearing. Preparation and presentation of expert evidence assessing the effects proposed plan rules on Meridian Energy Ltd. **Client Richard Turner – Meridian Energy Ltd.**

Opuha Dam Collapse – District Court Hearing. Preparation and presentation of expert evidence assessing the effects of the Opuha Dam collapse on the ecology of the Opuha and Opihi Rivers. **Client - Kerry Smith Buddle Findlay Christchurch.**

Ferrier Woolscour's – Environment Canterbury Hearing. Preparation and presentation of expert evidence assessing the effects of treated wastewater discharges on the ecology of the Waihi River. **Client - Kerry Smith Buddle Findlay Christchurch.**

Fonterra Edendale – Southland Regional Council Hearing 1999. Preparation and presentation of expert evidence assessing the effects of treated wastewater discharges to the Mataura River. **Contact Karen Leov National Environmental Manager Fonterra.**

Fonterra Edendale – Southland Regional Council Hearing 2004. Preparation and presentation of expert evidence assessing the effects of treated wastewater discharges to the Mataura River. **Contact – Karen Leov National Environmental Manager Fonterra.**

Fonterra Longburn – Horizons Regional Council Hearing. Preparation and presentation of expert evidence assessing the effects of treated wastewater discharges to the Manawatu River. **Contact – Suzanne Jannisen Chapman Tripp Auckland.**

Alliance Group Ltd – Southland Regional Council Hearing. Preparation and presentation of expert evidence assessing the effects of treated wastewater discharges to the Mataura River. **Contact – Dennis Butler – National Environmental Manager Alliance Group Ltd.**

Masterfood’s Ltd - Horizons Regional Council Hearing. Preparation and presentation of expert evidence assessing the effects of treated wastewater discharges. **Contact – Rob Fisher Simpson Grierson Auckland.**

Central and Local Government

Environmental Values of the Waitaki River catchment – MfE. Project manager responsible for preparing a description of the environmental values of the Waitaki River catchment.

Ecological Impact of Bare Mare Mine Tailings Dam Spill – Hungarian Government. Senior scientist responsible for investigating the environmental, social and economic costs associated with the Baia Mare Tailings Dam mine collapse in Hungary.

Water Framework Directive River Basin Management Handbook – European Union. Senior scientist/project manager responsible for preparation of a river basin management handbook required under the Water Framework Directive.

Technical Assessment for various Resource Consent Applications – Various Regional Councils. Senior scientist/project manager responsible for providing technical assessment of freshwater related resource consent applications.

Catchment Management Activities – Environment Waikato. Freshwater Scientist responsible for preparing a description of the ecological values and assessing the effects of catchment management activities within the central and lower Waikato and Waipa River catchments.

Technical Advisor State Highway 20 – Waterview Connection – Auckland Regional Council. Technical advisor to ARC on freshwater aquatic issues associated with the State Highway 20 – Waterview Connection.

Stormwater

Hingaia Stream Catchment ICMP – Papakura District Council. Project manager responsible for managing the multi disciplinary environmental assessment and preparation of the draft Integrated Catchment Management Plan.

South West Christchurch ICMP – Christchurch City Council. Responsible for the assessment of aquatic ecological values and effects associated with the proposed Integrated Catchment Plan for South West Christchurch.

Auckland Stormwater Effects Assessment – Auckland City Council, Metrowater, Northshore City Council, Waitakere City Council. Responsible for the assessment of aquatic ecological values and effects associated with stormwater discharges throughout Auckland.

Industrial Stormwater Discharges – Fonterra Group Ltd, Alliance Group Ltd. Responsible for the assessment of aquatic ecological values and effects associated with stormwater discharges from various processing sites.

CSC Application – Western Bay of Plenty District Council. Responsible for the assessment of aquatic ecological values and effects associated with stormwater discharges from various townships in Western Bay of Plenty.

Industrial Stormwater Discharge – Envirowaste Ltd. Responsible for the assessment of aquatic ecological values and effects associated with stormwater discharges from Bonny Glen Landfill in Manawatu.

Mining Sector

Environmental Monitoring - Pike River Coal Ltd. Project manager responsible for managing the multi disciplinary environmental monitoring programme and investigation of the environmental effects associated with the construction and operation of a coal rejects disposal facility in a highly sensitive environment.

Environmental Monitoring - Newmont Waihi Gold. Project manager responsible for managing comprehensive water, sediment and biological monitoring programmes and special investigations into environmental management issues.

Environmental Monitoring - Oceana Gold Ltd. Project manager responsible for managing comprehensive water, sediment and biological monitoring programme.

Environmental Monitoring – Couer Gold Ltd. Project manager responsible for monitoring the freshwater effects associated with the Golden Cross Mine – Waihi.

Environmental Monitoring - Winstone’s Aggregates Ltd. Project manager responsible for implementing and reporting on a study of the effects of sand extraction from the lower Waikato River.

Environmental Assessment – Various Hardrock Quarrying Companies. Project manager responsible for assessing the effects of various quarrying operations in the Auckland and Waikato Regions.

Environmental Assessment – Francis Mining Company. Project manager responsible for assessing the effects the ecological values of Hut Creek, Westcoast, South Island.

Environmental Assessment – Roa Mining Company. Project manager responsible for monitoring the effects of a coal mine discharge on Paparoa Creek, Westcoast, South Island.

Primary Industry Sector

Environmental Monitoring and Consenting - Alliance Group Ltd. Project manager responsible for managing comprehensive water and biological monitoring programmes and recontesting at sites throughout New Zealand.

Environmental Monitoring - AFFCO Ltd. Project manager responsible for managing monitoring the effects of a treated wastewater discharge to the Waikato River from AFFCO - Horitu.

Environmental Monitoring and Consenting - Fonterra Group Ltd. Project manager responsible for managing a wide range of environmental monitoring and assessment of effects projects at sites throughout New Zealand including at various sites throughout the Waikato.

Water Supply and Wastewater

Assessment of Effects Central Plains Water Enhancement Scheme – URS. Project manager/freshwater biologist responsible for assessing the freshwater environmental effects associated with the scheme.

Assessment of Effects Canterbury Water Management Strategy – Wairau River – URS. Project manager/freshwater biologist responsible for assessing the freshwater environmental effects associated with a range of water supply options for irrigation and hydro electric generation.

Assessment of Effects Canterbury Water Management Strategy – Ashley River – AECOM. Project manager/freshwater biologist responsible for assessing the freshwater environmental effects associated with a range of water supply options for irrigation and hydro electric generation.

Assessment of Effects Water Dam and Take – Motiti Avocados Ltd. Project manager/freshwater biologist responsible for assessing the freshwater environmental effects associated with the damming and taking of water.

Mangatangi Stream Riparian Enhancement – Watercare Service. Freshwater biologist responsible for preparing a riparian restoration plan.

Water Supply Take – Kapiti Coast District Council. Freshwater biologist responsible for monitoring the ecological effects of a municipal water supply take.

Assessment of Effects of a Wastewater Discharge to a Wetland – Auckland City Council. Freshwater biologist responsible for assessing the freshwater environmental effects associated with the discharge of wastewater to the Owhanake Wetland – Waiheke Island

Assessment of Effects of a Wastewater Discharge to a Stream – Kapiti Coast District Council.

Freshwater biologist responsible for monitoring the effects of a municipal wastewater discharge to freshwater.

Assessment of Effects of a Wastewater Discharges to Waterways – Western Bay of Plenty District Councils.

Freshwater biologist responsible for assessing the effects of a municipal wastewater discharge to freshwater at various locations throughout the Bay of Plenty.

Land Development

Assessment of Effects Pokeno Residential and Industrial Development – DFH Ltd. Project manager/freshwater biologist responsible for assessing the freshwater environmental effects and mitigation associated with the development.

Assessment of Effects Flatbush Residential Development – Hugh Green Ltd. Project manager/freshwater biologist responsible for assessing the freshwater environmental effects and mitigation associated with the development.

Assessment of Effects Bethlehem Residential Development – Harrison Grierson Ltd. Project manager/freshwater biologist responsible for assessing the freshwater environmental values within the proposed development footprint.

Assessment of Effects Various Residential Developments – Christchurch. Project manager/freshwater biologist responsible for assessing the freshwater environmental values, effects and mitigation associated with a range of developments in Christchurch.

Assessment of Effects Various Residential Developments – Auckland. Project manager/freshwater biologist responsible for assessing the freshwater environmental values, effects and mitigation associated with a range of developments in Auckland.

Contact Details

Freshwater Solutions Ltd
PO Box 13507, Tauranga 3141
Phone: 07 577 1700
Fax: 07 5771702
Mobile: 021 806 933
Email: rmontgomerie@freshwatersolutions.co.nz
www: freshwatersolutions.co.nz