

Becky Bodley

Qualifications

BSc Ecology and Psychology, Massey University

Professional Affiliations

- New Zealand Freshwater Sciences Society
- New Zealand Plant Conservation Network
- National Wetland Trust



Career Summary

Becky is Freshwater Solutions Limited's intermediate ecologist with over six years of consulting experience as an ecologist combined with just under four years' experience as a project manager in the fast paced electronic technology sector. Becky specialises in project management, aquatic resource surveys, compliance monitoring, ecological values assessments and assessments of effects assessments for clients across the public and private sectors. Becky is a practitioner of the Stream Ecological Valuation (SEV) method and has applied the method to determine biodiversity offsets. She is a trained electric fishing machine operator and undertaken fish surveys and fish relocations across New Zealand.

Becky also specialises in terrestrial ecology after spending over two years working in restoration ecology (and being the daughter of a botanist). Specialties include restoration plans, bush and wetland assessments, plant and animal pest management plans and New Zealand falcon nest searches and tracking.

Employment Record

Ecologist – Freshwater Solutions Limited 2016 to present

Responsible for project management, health and safety, marketing, client and business development, fieldwork, technical report writing and reviews.

Project Manager – Technique Limited 2012 to 2016

Responsible for managing the development of consumer electronic products from requirements gathering and design through to mass production in China. Including managing customer communications, coordination of the mechanical and industrial design team, software engineering team, electronics team, suppliers and production line; business level reporting for board and CEO, proposals, budgets and company health and safety documentation generation.

Ecologist – Golder Associates 2010 to 2012

Member of the ecology team. Responsible for fieldwork in freshwater, marine, terrestrial and hydrology sectors, budgets and proposals, and technical report writing.

Junior Ecologist and Team member – Scrub Consultants & Scrub Growers 2007 to 2009

Junior ecologist responsible for terrestrial fieldwork and technical report writing, human resources and health and safety. Team member involved in eco-sourcing seed, plant production and dispatch, database administration and supporting restoration operations teams.

Selected Project Experience

Catchment-wide Aquatic Resource Surveys

Twin Streams ecological monitoring – Eco Water Solutions. Catchment-wide survey of habitat and macroinvertebrates as part of an investigation and assessment of state of the environment and pressures.

Stream walk surveys – Auckland Council. Surveys of catchments using the Auckland Council Specifications for streamwalks and hand-held GIS palm pads. on aquatic ecosystems in North Shore City.

Hydro-electricity Sector

Environmental Monitoring and Consenting – Clearwater Hydro Ltd. Environmental monitoring and assessment of effects projects at the Mangapehi HEPS.

Central and Local Government

New Plymouth City Fish Passage Assessment – New Plymouth District Council. Implementation of a fish monitoring plan for monitoring the success of installing fish passes at barriers throughout the city.

Stormwater Pond AEE – Tauranga City Council. Assisting in the preparation of an assessment of the ecological effects of constructing 3 stormwater ponds in the Nanako stream catchment.

Stormwater and Wastewater

Ecological values assessment for the discharge of drinking water to watercourses – Tauranga City Council. Assessment of effects on the discharge of treated water to watercourses throughout the reticulated water supply network.

Stream Restoration

Bayside Restoration Project – North Shore City Council. Application of the SEV method to assess ecological improvements through restoration of an urban stream in the Bayside Restoration Project.

Environmental Compensation Assessments

Environmental compensation assessment for piping watercourse – Numerous sites. Collected SEV data from impact and restoration stream sections and undertook and ECR assessment to determine offset compensation requirements.

Terrestrial Ecology and Restoration

Wetland Assessments – Private Individuals. Assess wetlands against council criteria for significance.

Bush Assessments – Private individuals. Assess bush blocks against council criteria for significance.

Stream, Bush and Wetland Restoration Plans – Private Individuals. Provide restoration plans for restoring bush and/or riparian and/or wetlands for submission to council.

Plant and Animal Pest Management Plans – Private Individuals. Detail site specific plant and animal pest management plans for submission to council.

Covenant Management Plans – Waitakere City Council Green Network. Private Individuals. Detailed site-specific management plans for covenants in the Waitakere District.

Wetland Restoration Plan – Sanctuary Point Investments Limited. Restoration plan for the Poike Wetlands in Tauranga.

Mining industry

Compliance monitoring of ecology and effects of gold mine wastewater discharges – Newmont Waihi Gold. Survey and reporting of habitat, periphyton, invertebrates and fish populations to assess effects of treated wastewater discharges from a gold mine into the Ohinemuri River.

Compliance monitoring of fish populations and tissue metals concentrations – Newmont Waihi Gold Comprehensive catchment wide fish population surveys and collection of eel and bully using an EPA methodology for the analysis of tissue metals concentrations.

Compliance monitoring of treated discharge from rehabilitated gold mine - Coeur Gold Ltd. Ecological survey of effects of discharge from the rehabilitated Golden Cross Gold Mine to the Waitekauri Stream.

Compliance monitoring – Roa Mining Company. Technical reporting on the effects of a coal mine discharge on Paparoa Creek, Westcoast, South Island.

Environmental Monitoring – Bathurst Resources Ltd. Technical reporting on the environmental monitoring programme for a coal mine in Southland.

Quarrying and Cleanfill Industry

Ecological values and effects assessment of proposed cleanfill- McKenzie and Co Consultants. Terrestrial and aquatic values and effects associated with proposed cleanfill development.

Pulp and Paper

Compliance monitoring of periphyton and heterotrophic biofilms – Winstone Pulp International Limited. Regular monitoring of periphyton and heterotrophic biofilms in the Whangaehu River for compliance purposes.

Dairying Industry – Industrial discharges

AEE for re-consenting stormwater discharge from Takaka site – Fonterra Co-operative Group Limited. Ecology and water quality survey for an AEE to re-consent stormwater discharges from the Takaka site to waterways.

Compliance monitoring of treated discharge – Inghams Enterprises. Regular monitoring of periphyton, macrophyte and invertebrates for compliance purposes.

AEE for consent to construct a farm dam – Glendhu Dairies Limited. Assessment of effects for the creation of a farm dam within the Waimea Stream Catchment.

Environmental Monitoring – Miraka Dairy Ltd. Monitoring water quality and biological monitoring of a treated wastewater discharge to land.

Environmental Monitoring – Wallace Group Ltd. Technical reporting on water quality and biological monitoring of a treated wastewater discharge to the Waitoa River.

Power Industry

Assessment of effects assessment of remediation works of a Vector gas pipeline in the Turakina River - Cardno. Aquatic effects assessment associated with proposed remediation works in the river.

Falcon Tracking and Nest searches – Meridian Energy, and Trustpower. Completed nest searches and falcon tracking in response to windfarm effects on falcon movement and populations.

Land Development

Assessment of Effects Pokeno Residential and Industrial Development – Dines Fulton Hogan Ltd. Terrestrial/freshwater ecologist responsible for assessing the freshwater and terrestrial environmental effects and mitigation associated with the development.

Ecological values and effects assessment of various residential land developments across Auckland and Waikato - Hugh Green Ltd, Candor 3, Harrison Grierson Ltd, Bluebarn, McKenzie and Co Consultants, Civil Plan, Development Advisory Services (DASL). Ecological values and assessment of effects covering terrestrial and aquatic values and affects associated with proposed subdivision and subsequent residential development. Preparation of restoration planting and monitoring plans, and implementation of fish and lizard relocations.