

APPENDIX 51 – QUALIFICATIONS AND EXPERIENCE OF PEER-REVIEW REPORT AUTHORS

Colin Macdiarmid

1. My full name is Colin Macdiarmid. I am a Principal Geotechnical Engineer at GeoSolve Limited, a specialist geotechnical consultancy based in Otago.
2. I am a Chartered Professional Engineer and hold the following qualification and memberships.
 - a. MEng Civil Engineering with Geology, University of Glasgow (1st);
 - b. Chartered Member of the Institute of Professional Engineers New Zealand (CMEngNZ);
 - c. Member Institution of Civil Engineers UK (MICE);
 - d. Chartered Professional Engineer UK and New Zealand (CPEng).
3. I have over 25 years' experience as a geotechnical engineer, working in New Zealand for the past 14 years as well as in Australia, the United Kingdom and various other countries worldwide.
4. During my time in New Zealand, I have worked almost exclusively in Otago and have extensive experience in the assessment and design of rock slopes and the assessment and remediation of landslides in schist terrain. I have also been involved in the design and assessment of a number of new and existing dams in Otago, including compliance reviews and application auditing for the tailings dams at Mcraes mine for the ORC.

Neil Williman

1. My full name is Neil Williman. I am a Senior Water Resources Engineer at GeoSolve Limited, a specialist geotechnical consultancy based in Otago.
2. I am a Chartered Professional Engineer and hold the following qualification and memberships;
 - a. Bachelor of Natural Resource Engineering (with Honours) from the University of Canterbury;
 - b. Chartered Member of Engineering New Zealand (CMEngNZ);
 - c. Chartered Water and Environmental Manager through CIWEM (UK)- the Chartered Institute of Water and Environmental Management (MCIWEM C.WEM);
 - d. Chartered Professional Engineer (CPEng).
3. I have over 14 years' experience as a water resources engineer, with a focus on flood management and natural hazard mitigation, as well as drainage and environmental projects. I have mainly worked in New Zealand, the United Kingdom and Sweden.
4. During my time in New Zealand, I have worked almost exclusively in Otago, and been based in GeoSolve's Queenstown office since early 2022. I have worked on river engineering and flood hazard assessment/mitigation projects all over Otago during that time.

Alexandra Badenhop

1. My full name is Alexandra Macdonald Badenhop.
2. I am employed by e3Scientific Limited as the Technical Director for Water & Environmental Management, based in Arrowtown.
3. I hold a Bachelor of Engineering (Environmental) (Hons) (1999) from the University of New South Wales (UNSW) and a Masters of Engineering Science (Groundwater Studies) from UNSW in 2008. The subjects completed for my masters also fulfilled criteria for Master of Engineering Science (Water Quality).
4. I have over 20 years of experience working in the water industry in Australia and New Zealand. My experience has encompassed a range of engineering studies including hydrogeology, hydrogeochemistry and water quality assessments, groundwater-surface water interactions and investigations to characterise site hydrology, and assessments of environmental effect for take and discharge consents across Otago and Southland.
5. I am a member of the New Zealand Hydrological Society and the International Association of Hydrogeologists.
6. I have acted as an Expert Witness in groundwater and environmental discharge related consent hearings in New Zealand for the past ten years. I have provided expertise in the fields of discharges, hydrogeology, groundwater and surface water quality and environmental monitoring plan design.

Michael Greer

1. My name is Dr Michael John Crashaw Greer. I am the Principal Freshwater Scientist at Torlesse Environmental Ltd.
2. I hold a PhD in Ecology and a Bachelor of Science in Zoology from the University of Otago.
3. I have over 15 years of work experience in freshwater quality and ecology, and have worked for local government, the Department of Conservation and NIWA. Since June 2022 I have been the Principal Scientist and Director at Torlesse Environmental Limited. Prior to that I was employed by Aquanet Consulting Limited as a Senior Freshwater Scientist, Greater Wellington Regional Council as a Senior Environmental Scientist and the Canterbury Regional Council as an Ecology Scientist.
4. Since 2018 I have been engaged by 17 different regional, district or city councils; the Department of Conservation; and various industry bodies, private companies, and corporations to provide a variety of technical and scientific services in relation to water quality and aquatic ecology. My work routinely involves:
 - a. Providing assessments of effects on water quality and/or aquatic ecology;
 - b. Recommending or assessing compliance with resource consent conditions;
 - c. Designing or implementing water quality/aquatic ecology monitoring programmes at the scale of a specific activity and at a wider catchment or regional scale; and
 - d. Advising regional councils on regional plan development and National Policy Statement for Freshwater Management implementation.
5. I have worked as a technical advisor on behalf of both consenting authorities and applicants on well over 200 resource consent applications, compliance assessments and/or prosecution cases. These applications have been for a wide range of activities, including stream reclamation, water abstraction and discharges to land and water.

Rebecca Teele

1. My full name is Rebecca Judith Teele.
2. I hold a BSc in Ecology with a minor in Statistics, and MSc in Ecology (Distinction), both from the University of Otago.
3. I am a Certified Environmental Practitioner (CEnvP), a full member of the Environment Institute of Australia and New Zealand, the New Zealand Ecological Society, and Birds New Zealand (Ornithological Society for New Zealand).
4. I have over twelve years of professional experience working as a terrestrial ecologist, completing a wide range of ecological impact assessments, monitoring, restoration planning, and conservation management throughout Otago.
5. I am currently the Technical Director – Terrestrial Ecology at e3Scientific Ltd and have held this position since May 2025. Prior to this I was a Senior Ranger – Biodiversity at the Department of Conservation for two and a half years and a Senior Ecologist at e3Scientific for over eight years. Prior to that an Ecological Technician at Golder Associates.

Trudy Anderson

1. My full name is Trudy Cherie Anderson.
2. I hold a BSc in Ecology and a Post-Graduate Diploma in Wildlife Management (with Distinction), both from the University of Otago.
3. I have over twenty years of professional experience working as an ecologist, including undertaking survey, monitoring, research, and conservation management. This work focused on dryland, tussock grassland, and shrubland ecosystems and species in inland Otago including lizards, fish, birds, and plants.
4. I am currently a Senior Environmental Scientist – Terrestrial Ecology at e3Scientific Ltd and have held this position since August 2022. Prior to this I was a Project Lead at the Department of Conservation for two years and held various prior DOC roles including Senior Ranger Community, Programme Manager (Biodiversity), and Ranger Biodiversity roles, all based in Central Otago.

Lisa Milliken

1. My full name is Lisa Brianna Caitlin Milliken.
2. I have a BSc in Zoology and Geography, with a minor in Environmental Management from the University of Otago.
3. I have five years' experience working in the ecology, conservation, and predator control profession. I have experience in managing a range of avifauna threatened species monitoring, as well as survey and completion of ecological impact assessments in Otago.
4. Further to this, I have experience in the planning and delivery of landscape scale predator control programs, ranging from incursion responses, aerial operations through to ground-based pesticide operations and trapping programs.
5. I am currently a Terrestrial Ecologist at e3Scientific Ltd and have held this position since August 2025. Prior to this I was a Biodiversity Ranger at the Department of Conservation for close to four years, and previously a year as a Wildlife Keeper at the Kiwi Bird Life park (Queenstown).

Graeme Starke

1. My full name is Graeme John Starke. I am a Technical Director – Air Quality at SLR, a global environmental and advisory consultancy providing air quality services throughout Australia and New Zealand.
2. I hold a Bachelor of Science (BSc) and I am a Clean Air Society of Australia and New Zealand (CASANZ) Certified Air Quality Practitioner (CAQP).
3. I have over 25 years' experience as an air quality specialist working in Australia and New Zealand.
4. In my role at SLR, I provide technical direction and oversight for air quality assessments across a wide range of projects, including a significant number of mines and quarries. This includes the use of air dispersion modelling, emissions estimation, monitoring data interpretation, and assessment of both short-term and long-term effects on ambient air quality and sensitive receptors.

Nigel Parker

1. My full name is Nigel Gambier Parker. I am a Landscape Architect and a registered member of, the New Zealand Institute of Landscape Architects (NZILA).
2. I hold a Bachelor of Landscape Architecture Degree from Unitec Institute of Technology, Auckland.
3. I have over 25 years of experience practicing landscape architecture, in New Zealand, Australia and the United Kingdom. I have assessed and designed numerous projects of varying scales across New Zealand in both urban and rural environments.
4. In my current role I am a Technical Director at SLR Consulting New Zealand Limited.

Kirdan Lees

Kirdan is a PhD trained economist with over 15 years' experience working closely with central and local government to unlock New Zealand's potential. His work involves applying economic frameworks to some of our most critical issues such as land supply, housing and funding and financing infrastructure. He completed the Making Good Decisions certification in 2023.

Prior to establishing Sense Partners with colleagues in 2016, Kirdan worked as a Principal Economist at NZIER after leading teams at the Reserve Bank of New Zealand. He regularly provides services to both public and private sector infrastructure suppliers.

Key areas of expertise

- Macroeconomics
- Housing
- Urban Economics
- Public Policy
- Demographics
- Regional economics

Shay McDonald

1. My full name is Shay Maree McDonald.
2. I am a Principal Consents Planner at Otago Regional Council where I have worked for four years. Over this time, I have assessed and processed resource consent applications across a wide range of industries, including the majority of the resource consent applications relating to gold mining in the last three years.
3. I hold a Bachelor of Science (Honours) in Chemistry from the University of Otago.
4. I am an associate member of the New Zealand Planning Institute and am certified as an RMA decision maker through the Making Good Decisions Programme (2023).