

**Dr Caroline Saunders - Professor, Director of AERU  
Lincoln University**

Dr Caroline Saunders has 30 years research expertise in the UK and New Zealand and has over 300 publications. Her current research includes assessment of international markets, policies and their impact. She has undertaken research for a wider range of private and public bodies both in New Zealand and overseas.

Dr Saunders was awarded Economist of the Year in 2007 and made an Officer of the New Zealand Order of Merit in 2009.



**Mark Julian - General Manager - Dairy operation  
Landcorp**

Mark Julian was appointed to his current position of General Manager - Dairy Operations in October 2014.

Mark joined Landcorp as a Business Manager in Wellington before moving south spending two years on the West Coast as a Farm Business Manager, then returning to Wellington in 2011 as a Senior Business Manager until taking up his new appointment.



Mark is a Massey University alumni completing a Bachelor of Applied Science with a major in Agriculture followed by a postgraduate year focused on dairy production and farm management. In the final year of his degree Mark was awarded the prestigious William Gerrish Memorial Prize in Farm Management, awarded to a top farm management student.

On leaving university Mark worked for DairyNZ as a Consulting Officer in the Central Plateau and was involved in working with farmers around nutrient management issues with Lake Rotorua and Taupo and forest to farm conversions. In 2013 Mark won the Young Executive of the Year award at the Deloitte Top 200 Business awards.

Mark's responsibilities as General Manager - Dairy operations include the incorporation, development and execution of the Landcorp's dairy business strategy on Landcorp owned dairy farms, and those farms Landcorp manages on behalf of external owners. Recent challenges Mark has led are the removal of quad bikes from all Landcorp dairy farms, stopping the use of Palm Kernal as a supplementary feed and leading the project to halve the dairy conversions Landcorp have undertaken in the central North Island.

**Jonathan Streat, Director - operations  
Environment Southland**

Jonathan Streat is currently Director of Operations at Environment Southland. He has worked in Natural Resource Management in Australia and New Zealand over the past 20 years.

Prior to joining Environment Southland, Jonathan's experience and education has been successfully applied to a range of natural resource management policy, implementation and operational challenges, at local, regional and national scales.



Jonathan has worked in both the government and private sectors, managing projects and programmes to restore riverine and groundwater systems, set policy for natural resource management and led organisational change projects to set up natural resource management institutions and arrangements. Organisations he has worked for include Greater Wellington Regional Council, Auckland Council, New South Wales National Park and Wildlife Service, the Department of Water, Land and Biodiversity Conservation, South Australia, NSW Farmers Association and State Forest of NSW. His qualifications include a Master of Environmental Science (University of Auckland) Master of Natural Resources and a Bachelor of Science (University of New England).

Jonathan is an alumni of the International Water Centre (IWC) Water Leadership Programme, University of Queensland. Jonathan lives in Winton, Southland, with his wife Pippa, his dog Dixie Blue, and his two pigs, Cleveland and Harry.

**Graham Sevicke-Jones, Director – science and communication  
Environment Southland**

Graham initially worked in the primary sector as an industrial chemist for the meat processing industry before taking on the role of Environmental Scientist for firstly South Canterbury Catchment Board, Environment Canterbury, and then Hawke's Bay Regional Council.

In these roles he principally managed freshwater and marine water quality and ecological programmes and worked closely with communities on establishing limits to assist in resource management through statutory processes.



Graham spent 15 years working in science management for the Hawke's Bay and Greater Wellington Regional Councils prior to moving into the position of Director - science and communication at Environment Southland. Graham has been involved in enabling collaborative processes for limit setting to meet national and community outcomes at the regional scale. Graham has extensive knowledge on environmental monitoring programmes, transfer of science into policy and effective measurements.

Graham has been involved in numerous national steering groups (including the National Environmental Monitoring and Reporting project), contributed to the National Environmental Monitoring and Reporting forums (and its successor EMaR) and has provided

feedback on the RMA changes and proposed Bill on Environmental Monitoring and Reporting.

Graham has also participated in the government appointed Land and Water Forum and Ministry for the Environment National Objectives Framework provisions for the NPS-FM amendments.

Previously Graham was the convenor of the Surface Water Integrated Management Group, (a regional council special interest group) for 10 years. This special interest group, consisting of regional council policy staff and freshwater scientists has a strong emphasis on integrated and collaborative science processes. Graham is also past president of the Hawke's Bay Branch of the Royal Society of New Zealand.

**Dr Clint Rissmann – E3 Scientific Ltd**

**Adjunct Senior Fellow, Waterways Centre for Freshwater Management, University of Canterbury and Lincoln University**

Clint Rissmann is a Senior Adjunct Fellow to the Waterways Centre at the University of Canterbury and Lincoln University and Director of the Land and Water division of E3 Scientific Ltd.



Clint holds an undergraduate degree and post-graduate qualifications in soil pedology, geomorphology, biogeochemistry and environmental toxicology from Lincoln University; Masters of Science in hydrogeology and both aqueous geochemistry and isotope geochemistry from the University of Texas, and; a PhD in fluid chemistry (liquids and gases) and geology from the University of Canterbury.

He has held positions as a Teaching Fellow at Lincoln University, the University of Texas and a Post-Doctoral position at the University of Canterbury. Clint has also worked as a Senior Scientist (hydrochemist) for GNS Science and is currently a Project Scientist for the National Science Challenge – Our Land and Water. Clint has worked at Environment Southland as a Scientist, Principal Scientist and for a period as Science Manager.

His interests lie in identifying and conceptualising the controls over physical, chemical and biological process within the natural environment. This has included work and research on the controls over water composition and water quality, including the Physiographic's of Southland project. Clint believes he is lucky to live in Southland, is married with 3 young children.

**Dr Alec Mackay - Principal Scientist Farm Systems & Environment  
AgResearch**

Alec is a Principal Scientist in AgResearch based on the Grasslands campus in Palmerston North. He has a B Agric Sci (Hons) and a PhD in Soil Science both from Massey University and is a Fellow and Past President of the New Zealand Society of Soil Science.



He was recently awarded the Ray Brougham Trophy by the New Zealand Grasslands Trust for outstanding national contributions to pastoral farming industries.

He leads research on refinements to land evaluation and farm systems modelling and planning tools, the impact of intensive pasture agriculture practices on soil organic matter, pore function and biology as it influences both the soils provisioning and regulating services, methodology for quantifying and valuing the ecosystem services of pastoral agricultural systems and the use of a natural capital-ecosystem service approach to resource management.

Options for the inclusion of ecosystem services, as part of the land evaluation processes, is a current project, as is the development and testing of a new generation farm systems modelling capability with the capacity to optimise the farm system within defined ecological boundaries. He has published 120+ refereed journal articles and 220+ conference papers and has a long history of post-graduate student supervision.

**Dr Sam Carrick - Research Leader – Soil mapping and modelling  
Landcare Research**

Dr Sam Carrick is a soil scientist at Landcare Research, leading research in the areas of soil mapping and soil physics. Sam cut his teeth leading the soil survey team in the Topoclimate project in the late 1990's, before heading over the border to complete the Otago regional soil survey as part of the Grow Otago project.



Sam then returned to Lincoln University to complete a PhD in soil physics, before returning to Landcare Research in 2009. His work is now split across the land resource assessment and soil water domains, working on a range of collaborative multi-agency projects. One area of active research is through a number of projects that are improving our knowledge on the soil water storage behaviour of New Zealand soils.

Sam is also passionate about spreading the good word on soil, through support of industry extension activities and his work at Lincoln University, lecturing and supervising post-graduate students.

**Dr Ross Monaghan – Senior Scientist  
AgResearch**

Dr Ross Monaghan is a soil scientist specialising in nitrogen cycling in grazed dairy systems and is based at AgResearch's Invermay campus near Mosgiel. Much of his current research focuses on quantifying nitrogen (N) and phosphorus (P) losses to water and assisting end user groups with policy development and/or management guidelines that can reduce these losses.



He has been closely involved in research undertaken within the national Dairy Catchments study, an Industry-led initiative that benchmarked soil and water quality in 5 contrasting catchments located in the country's key dairy regions.

He has also been heavily involved in a wide range of dairy industry-funded research projects that seek to develop on-farm mitigation practices that allow for profitable dairy farming whilst meeting regionally-based targets for water quality.

**Simon Stokes – Eastern Catchment Manager  
Bay of Plenty Regional Council**

Simon Stokes is the Eastern Catchment Manager at the Bay of Plenty Regional Council. He currently manages the integrated catchment management programmes for the Rangitāiki River, Ōhiwa Harbour and Eastern river catchments.



He has had a 21-year career in resource management in New Zealand working for Manawatu-Wanganui Regional Council (Horizons), Hawke's Bay Regional Council, and currently the Bay of Plenty Regional Council. He has also worked with Central Government agencies and non-Government Agencies, Crown Research Institutes, Iwi and Maori Trusts, and many landowners.

He has been President of the New Zealand Association of Resource Management and was on the executive for 10 years. Simon also led the New Zealand Deer Farmers Association Environmental Awards programme for 4 years in the mid 2000's.

Simon has recently been appointed as a Trustee to the New Zealand Poplar and Willow Research Trust, and the New Zealand Farm Environment Trust which runs the Ballance Farm Environment Awards programme. He has recently resigned after several years as convener of the regional sectors Land Managers Group for Regional Councils and Unitary Authorities.

He currently supports and provides advice to the Ministry for Primary Industries and Ministry for the Environment when required, on a range of land management and land use planning, and building resource management capability and capacity under their various programmes.



He is currently spending half of his time as the lead for the natural and rural environment programme in the Whakatāne District Recovery plan, post Cyclone Debbie and Cook. Before entering management at the Bay of Plenty Regional Council, Simon specialised in farm planning, soils, catchment management, soil conservation and working with the community.

### **Dr Jane Kitson – Director Kitson Consulting Ltd**

Jane is an ecologist and environmental scientist who has previously worked for Te Waiarau Mahika Kai Trust, Southland Regional Council, Te Ao Marama Incorporated (Ngāi Tahu ki Murihiku natural resource management agency), Te Rūnanga o Ngai Tahu and currently runs her own environmental consultancy company.



She has worked on a range of research and management projects including doctoral research on traditional ecological knowledge and harvest management of tītī/muttonbirds; microbial food webs in lakes; research on kanakana/lamprey, coastal and freshwater environmental science; and managing the State of Southland Environment reporting on the freshwater and coastal marine environments. The projects she has enjoyed most are the ones where she has been able to work with whānau to bring science and mātauranga together.

Jane hails from Murihiku and is a member Ōraka-Aparima Rūnanga and has whakapapa links to Waihōpai and Awarua Rūnanga. Jane is married to Zane and they have two sons Luke (11) and Trent (9). Her family has a strong interest in hunting and mahinga kai pursuits e.g. trout and salmon fishing, duck and deer hunting, kaimoana gathering and tītī/muttonbird harvesting.

### **Chris Arbuckle - Aspiring Environmental**

Chris was born and bred in Otago, spending his formative years in Wanaka and then latterly Dunedin. His teenage children are at university and secondary school in Dunedin. His professional career has focused on science, policy and leadership; including senior roles in both central (Ministry for Primary Industries) and regional government (in Otago and Southland) working on policies and science primarily around the ‘management’ of freshwater.



In 2013, he returned to self-employment and now works with CRI’s, regional councils, industry bodies, farmers and the wider community on a suite of environmental projects focused primarily on freshwater, land and catchment management.

His interests include walking, tramping and photography. His passions embrace mountain biking and “dancing with wolves”.

### **Suzanne Hanning - Hedgehope Catchment Group**

Born in Canada, Suzanne grew up on a family dairy farm in south western Ontario. When she finished studying veterinary technology, she came to New Zealand on a working holiday where she met her husband Maurice.



Together with Maurice, and in partnership with his parents, she helped run the family sheep and beef farm while working various off-farm jobs to support their farming habit. These included working for Ballance Agri-nutrients as a soil tester and livestock improvement as an Artificial Breeding Technician and Sales Rep. During this time, Suzanne and Maurice had three daughters, Nicole, Rebecca and Naomi.

In 2007, they converted the family farm to dairy with the aim of not being one of “those dirty dairies”. Careful thought was put into establishing suitable infrastructure so the business would be sustainable for future generations. Another aim was to get the dairy herd into the top 5% for BW and PW in New Zealand.

In recent years, Suzanne has developed a passion for spreading the ‘cleaner dairying’ message through establishing a Facebook page ‘Bristol Grove Dairies’, showing and explaining topical points of interest on her families own dairy farm. The page has a modest following and Suzanne hopes it will continue to grow organically as people want to learn more about what actually happens and why on a dairy farm. She encourages questions and offers factual, accurate responses which are aimed to bring a better understanding of agricultural processes.

In the same vein as the Facebook page, Suzanne has helped establish a catchment group in the Hedgehope Dunsdale area. The aim of the group is fourfold – find out what the water quality in the catchment is and create a data set, help to support and spread information on sustainable farming to other farmers, communicate with council while advocating for the local community and help the wider community get a better understanding of what the farming sector is doing to improve our environment.

In her spare time, Suzanne enjoys acrylic painting and gets great satisfaction donating profits from sales to local charities, a favourite being the Southland Rural Support Trust. She also enjoys supporting her children in their sporting and educational pursuits and traveling to visit family.

### **Simon Sankey – Regional Team Coach DairyNZ**

Simon Sankey has been involved with the New Zealand dairy industry for over 20 years. Brought up on a farm in Mid-Canterbury, he studied Agricultural Science at Lincoln University and has been involved since then both in extension and development with the dairy industry.



Simon has had stints as a Consulting Officer in Northland, Nelson and Canterbury. As part of his role in development, he was involved with both improving HR practices (HR toolkit) and farm systems (Pasture Plus and Whole Farm Assessment).

Since 2010 Simon has been the Extension Team Coach for DairyNZ, supporting Consulting Officers and Regional Leaders. He also contributes internally and externally to programme design, extension/facilitation and Whole Farm Assessment training. Simon's current role gives him the opportunity to work with farmers, extension agents and programmes to bring about on-farm change.

He was awarded the 2015 APEN Award for Excellence in Extension for an Experienced Professional.

**Tim Shadbolt - Mayor of Invercargill,  
Author, actor, Mayor and all-round kiwi bloke**

Having won in a total of 12 Local Government elections in 2 cities, Tim Shadbolt is New Zealand's longest serving Mayor. He first came to prominence as a radical student leader in the 1960's as a member of Auckland University Society for the Active Prevention of Cruelty to Politically Apathetic Humans and is now an executive life member of the Auckland University Student Association. In 1966, he took a year off from his studies to work on the Manapouri Power Project.



In 2012 he broke the record for the World's Longest Television Interview. He tours the country with humorist and social commentator Gary McCormick and is a passionate supporter of the New Zealand film industry.

He has acted in many New Zealand films: Utu; The World's Fastest Indian with Anthony Hopkins; Two Little Boys with Brett McKenzie and celebrity radio host Hamish Blake; and Goodbye Pork Pie. Tim has also written 2 best-selling autobiographies, writes regular newspaper columns, and has contributed to countless magazines and online articles over his decades as Mayor. He has also appeared in numerous television programmes over the last 45 years.

Tim's strength lies in his sense of humor, his massive political experience and his solid grounding in all things Kiwi. He has the most recognisable smile and voice in the land, and is currently serving his eighth term as Mayor of Invercargill City.