

Lakes380 Team



Lakes380 has a strong, multi-disciplinary team with expertise in paleolimnology, lake dynamics, social science, Māori environmental and resource management, molecular techniques, geochronology, and climate and environmental change.

Marcus Vandergoes

GNS Science | Lakes380 programme co-leader

Marcus is a paleoecologist whose research focuses on reconstructing historic environmental change through the analysis of lake sediment cores. His research explores how ecosystems have responded to climate change, landscape evolution and human impact.

Susie Wood

Cawthron Institute | Lakes380 programme co-leader

Susie is a freshwater scientist and molecular ecologist. Her research focuses on the ecology of New Zealand's lakes and rivers, and the application of DNA-based tools for characterising and understanding aquatic ecosystems.



Adelaine Moody

Victoria University

Research Assistant. Radiocarbon Target & Core Sample Processing



Andrew Rees

Victoria University

Critical Step Leader. Environmental Reconstruction, Fieldwork & Data Analysis



Aneika Young

Cawthron

Kaiāwhina Māori – Māori Cultural Advisor & Scientist



Bruce Foster

Videographer

Videographer for Wairarapa Lake Stories.



Carrie Page

Massey/Cawthron

Masters Student – Lake Pigments



Charlotte Šunde

Cawthron

Social Science Leader & Iwi Rohe Partners Co-lead



Chris Moy

Otago University

Environmental Reconstruction of Climate Change using Lake Sediments



Claire Shepherd

GNS Science

Hyperspectral Analysis, Data Management & Logistical Support



David Hamilton

Griffith University

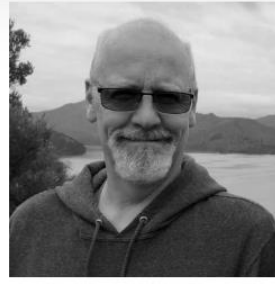
International Collaborator. Lake Modelling



David Kelly

Cawthron

Critical Step Leader. Lake Ecology, Invasive species



David Try

GNS Science

Project Manager



Deniz Ozkundakci

Waikato Regional Council

Waikato Regional Council Action Partner



Elaine Asquith

Cawthron

Project Coordinator Iwi Engagement & Communications



Ethan Yackulic

Northern Arizona University

PhD Student – Analytical Frameworks for Hyperspectral Dataset Integration



Gavin Simpson

Regina University

International Collaborator. Statistical and Data Analysis



Gebiaw Ayele

Griffith University

PhD Student – Modelling Historic Lake Sediment Dynamics



Geoff Smith

GNS Science

Project Management Team



Georgia Thomson-Laing

Cawthron

Research Assistant, **PhD Student** – Investigating Ecosystem Disturbance & Native Fish using eDNA



Henry Gard

GNS Science

Field and Laboratory Assistant



Jacob Thomson-Laing

Cawthron

Laboratory Technician



Jakob Parrish

Victoria University

Masters Student – Investigating Lake Nganoke



Jamie Howarth

Victoria University

Critical Step Leader, Environmental Reconstruction, Fieldwork & Data Analysis



Janet Adamson

Cawthron

Research Technician



Jasmine Saros

Maine University

International Collaborator Diatomist and Environmental Reconstructions



Javier Atalah

Cawthron

Data Scientist



Jenny Dahl

GNS Science

Radiocarbon & Core Processing



John Pearman

Cawthron

Molecular Ecologist/Bioinformatician



John Tibby

Adelaide University

International Collaborator. Diatom Analysis and Environmental Reconstructions



Jonathan Puddick

Cawthron

Researching Historical Phytoplankton Communities using Pigments



Julia Short

Adelaide University

PhD Student - Reconstructing Lake History using Diatoms



Katie Brasell

Cawthron/Auckland University

PhD Student - Molecular Ecology & Paleolimnology



Kevin Simon

Auckland University

Biogeochemistry, Invertebrate Biology & Microbial Ecology



Kiely McFarlane

Cawthron

Social Science Postdoctoral Researcher



Konstanze Steiner

Cawthron

Molecular Scientist - eDNA Methods for the Detection of Taonga Species



Laura Biessy

Cawthron

Technical and Field Assistance



Lena Schallenberg

Otago University

PhD Student - Picrocyanobacteria Distribution



Lizette Reyes

GNS Science

Field and Laboratory Technician



Lucia Roncaglia

GNS Science

Steering Committee Member and Project Advisor



Lucy Thompson

Cawthron

Environmental Science Laboratory Technician



Lughano Mwenibabu

Lincoln University

Masters Student - Chemical Analysis to Explore Land Use Change



Mäily Picard
Cawthron/Waikato University
PhD Student. Environmental Reconstruction focusing on Invasive Species



Marc Schallenberg
Otago University
Critical Step Leader. Lake Tipping Point Detective



Marianna Terezow
GNS Science
Hyperspectral & Technical Analysis



McKayla Holloway
Cawthron
Project Coordinator, Logistics & Communications, **Masters Student** – Science Communication



Mereana Wilson-Roo
GNS Science
Māori Advisor & Freshwater Scientist



Mikaeli Lalor
Otago University
Masters Student – Lacustrine Climate Change Research



Mus Hertoghs
GNS Science
Laboratory Technician



Nick McKay
Northern Arizona University
International Collaborator. Hyperspectral Imaging & Data Analysis



Peter Jackson
GNS Science
Project Coordinator



Peter Langdon
UK
International Collaborator. Ecosystem Tipping Point Testing



Ra Smith
Ngāti Kahungunu ki Wairarapa
Ngāti Kahungunu Ki Wairarapa Environmental Consultant



Reece Martin
Matana Consulting
Iwi Engagement Facilitator & Coring Assistant



Rewi Newnham
Victoria University
Paleoecology, Palynology, Climate Change, Mātauranga, Student Supervision



Riki Ellison
Waka Taurua - Independent Consultant
Māori Advisor & Coring Assistant



Robert Matheson
Cawthron
Steering Committee Member and Project Advisor



Roger Young
Cawthron
Co-chair Lakes380 Steering Committee



Rose Gregersen

Auckland University

PhD Student - Fieldwork
Assistant



Russleigh Parai

Victoria University Wellington

Masters Student - Kairangahau
Lake Moawhitu, D'Urville Island



Sean Fitzsimons

Otago University

Deep Lake Sampling



Sean Waters

Cawthron

Researcher and Critical Step
Leader



Sebastian Naehrer

GNS Science

Organic Geochemist, Biomarker
and Isotope Analyses



Stephen Meyers

University of Wisconsin

International Collaborator. Data
Analysis and Environmental
Reconstructions



Stuart Caird

Victoria University Wellington

Masters Student & Research
Assistant. Lake Communities
Recovery following Volcanic
Eruptions



Tania Gerrard

GNS Science

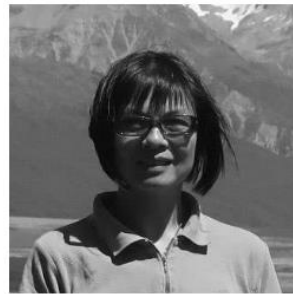
Co-Chair Lakes380 Steering
Committee



Xavier Pochon

Cawthron

Critical Step Leader DNA & High-
resolution Proxies



Xun Li

GNS Science

Pollen Based Environmental
Reconstructions Development
Lead

Advisory group

The Lakes380 project benefits from the input of a Science, Advice and Implementation Group. This team of accomplished researchers provides the Lakes380 project independent advice on research strategy, quality and performance, and assists in ensuring that appropriate research directions are prioritized. It also provides independent input on stakeholder/partners' research needs, and advice on how the uptake of project outcomes can be enhanced.



Prof. Carolyn Burns
University of Otago



Prof. Chris Turney
University of New South Wales



Dr Deniz Özkundakç
Waikato Regional Council



Prof. Eric Pawson
University of Canterbury



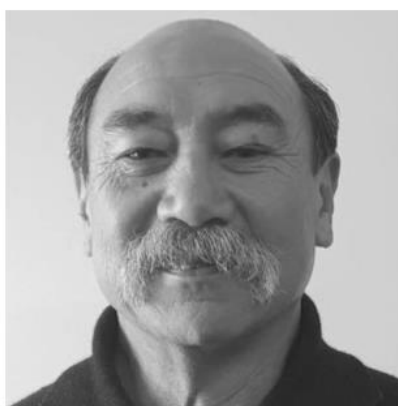
Helli Ward
Ministry for the Environment



Dr Hugh Robertson
Department of Conservation



Dr Ocean Mercier
Victoria University



Roku Mihinui
Tōhourangi, Ngāti Tūwharetoa



Dr Tina Bayer
Environment Canterbury