

Nationality
New Zealand

Language
English



Key Qualifications

Master of Engineering, University of Christchurch, 1971
Bachelor of Engineering (Civil), University of Christchurch, 1969

Professional Affiliations

Distinguished Fellow of Institution of Professional Engineers NZ
Chairman (1994-2000) ICOLD Reservoir Slope Stability
Technical Committee
Member (1990-94) ICOLD Materials for Fill Dams Technical
Committee
Member (1990-2000, 2002-2004) NZ Society of Large Dams
Management Committee

SPECIALISATION

Dam Engineering
Dam Safety Engineering
Reservoir Landslide Engineering
Geotechnical Engineering

SUMMARY BIO

Murray Gillon is the Chief Engineer of Damwatch Services Ltd and is based in Wellington. As the founding Managing Director of Damwatch he led its establishment as a recognised dam safety and dam engineering consultancy. He is a civil engineer with over 40 years experience and over this time has worked in construction, design, operations and remediation of dams as a contractor, owner and consultant. He has led or had influential technical roles in the design and remediation of over 25 dams and has carried out safety reviews of over 50 dams in New Zealand, Canada, Fiji, Philippines, Australia and China. Prior to the establishment of Damwatch in 1999 he was the lead dam engineering and dam safety specialist for the Electricity Corporation of New Zealand and the team leader of their technical specialists group.

Murray is internationally recognised for his work on the repair of earthquake damage to the Matahina Dam, its later strengthening for potential fault movement through the dam (a world first) and the large project to stabilise 18 large rock slides in the reservoir of the Clyde Dam. He has also played a leading role in the development of seismic loads and related stability assessments for the major hydro dams in New Zealand. He is widely recognised for his experience and expertise in the internal erosion of embankment dams.

Murray has been active in the New Zealand Society of Large Dams and ICOLD over the last 20 years. He was the Chairman of the ICOLD Technical Committee responsible for the publication of ICOLD Bulletin 124 on the investigation and management of reservoir landslides for which he was the lead author. He has published over 50 papers on a wide variety of dam engineering subjects. In 2010 he was made a Distinguished Fellow of the Institution of Professional Engineers New Zealand.