



Career Highlights

Campbell Island Bicentennial Expedition

Shelley is Chairperson of the Fifty Degrees South Trust, established to further research, preservation and education on New Zealand's Subantarctic Islands.

She was the coordinator, fundraiser & communication strategist for one of the largest multidisciplinary research trips to the Subantarctic Campbell Island, covering a 14-person 10-week expedition in 2010/11 (www.campbellisland.org.nz). She also led the freshwater research team in the most comprehensive study of the island's waterbodies to date, and manages the programme's multi-year, post-expedition outputs.

Subsequently she is senior author of the first identification keys to the freshwater invertebrate fauna of Campbell Island and also discoverer of a new species of worm, named *Macquaridrilus mcmurtrieae* in her honour.

Christchurch River System Champion

After many years contributing to the management of Christchurch's waterways, Shelley has a major role in their post-earthquake revitalisation.

She is the Ecology Technical Lead for Te Papa Otākaro/Avon River Precinct (ARP) and Northern/Eastern Frame anchor projects, Ecology and Design Leader for the ARP in-river works programme, Ecology Lead for the Dudley Creek flood remediation works, and Specialist Ecology Technical Advisor for CERA regarding the ARP and Canterbury Earthquake National Memorial.

She is also senior author of the first field guide to the ecology, recreation, and history of the Avon-Heathcote Estuary/Ihutai, connecting the general public with a city centre natural treasure.

Shelley McMurtree

1996 Bachelor of Science in Zoology, UC

2001 Master of Science in Zoology, UC

Combining her passions for quality science and clear communication, Shelley started EOS Ecology—an aquatic science and visual communication company—soon after graduating from UC. Now with offices in Christchurch and Palmerston North, she has grown EOS into a company well-respected for its commitment to exacting standards and creative science communication. As Co-director and Principal Scientist, Shelley is responsible for strategic direction, managing the science team, maintaining quality, and undertaking research and commercial work to identify robust and practical solutions to the problems facing freshwater and estuary systems in New Zealand.

Recognised for her expertise in the impacts of urbanisation on aquatic fauna and the rehabilitation of aquatic systems, Shelley was selected as the

Ecology Technical Lead for two key Anchor Projects aimed at revitalising Christchurch following the earthquakes—Te Papa Otākaro/Avon River Precinct (ARP) and the Northern/Eastern Frame. As Ecology and Design Leader for the ARP in-river works package, Shelley is also responsible for one of the largest urban waterway revitalisation programmes in New Zealand.

Committed not only to taking science into the world's wild places but also to communicating science to the wider public, Shelley coordinated the 2010/11 Campbell Island Bicentennial Expedition (CIBE).

Shelley is a member of community groups and Chairperson of a charitable trust, and regularly donates her time and her company's resources to help the general public on ecology matters.

