



personal profile

Liz West senior ecologist

B.Sc. (Hons), Ph.D.

Liz has a broad range of experience in aquatic environments, both in Australia and overseas, and is experienced in designing, implementing and interpreting studies relating to: water and sediment quality, seagrass, mangroves, corals, plankton, benthic invertebrates, fish, turtles and marine mammals.

Liz has extensive field experience in aquatic environments, and has attained national AUSRIVAS accreditation, electrofishing and diving qualifications. She is also proficient in laboratory techniques, and highly skilled at univariate and multivariate data analyses.

Before joining **frc environmental**, Liz worked as an environmental consultant in Hong Kong, where she was responsible for coordinating projects throughout Southeast Asia. Here Liz produced risk and environmental impact assessments, and monitoring reports. Liz liaised directly with clients from government and industry, and gained a broad understanding of environmental consulting.

During her PhD, Liz gained skills in experimental design and statistical analysis, as well as conducted fieldwork over extended periods on the Australian east coast, sampling water quality, sediment fluxes, benthic infauna, plankton and jellyfish.



“Liz strives to provide clients with practical solutions to protect the integrity of aquatic systems.”



freshwater

estuarine

marine



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“Liz is highly skilled at assessing environmental impacts, and delivering management solutions.”

Liz has also previously worked for the University of Wollongong and Griffith University as a research assistant, laboratory demonstrator and guest lecturer to undergraduate classes.

Since joining **frc environmental**, Liz has enhanced her skills in project management and is responsible for the design, implementation, coordination and successful completion of projects. She also provides leadership through mentoring junior staff and advising on operational health and safety.

key achievements

- PhD research pioneered understanding of the influence of jellyfish blooms on nutrient cycling and trophodynamics.
- Honours research identified lake management practices that contributed to the eradication of an invasive species.
- Key role monitoring contaminated mud pits at East of Sha Chau for the disposal of contaminated sediments from all Hong Kong's dredging and reclamation works.
- Trained as Marine Mammal Observer in Hong Kong.
- Extensive sea turtle research and management, including satellite tagging and nesting surveys.
- Published papers in peer-reviewed journals, and presentation of research internationally.
- Impact assessment for major infrastructure projects, including an offshore windfarm, oil, gas and mining developments, residential, industrial and marina developments, and linear infrastructure.
- Development and implementation of sampling and analysis plans and receiving environment monitoring programs across Queensland.