

AQUATIC ECOLOGY



MARKET SECTORS



Agriculture



Waste Management



Construction



Resource



Government



Defence

WHAT CAN EPIC DO?

Epic Environmental's team of skilled and diverse experts use their extensive experience to deliver high quality outcomes that meet industry requirements. Our aquatic ecologists are certified environmental practitioners, trained in the use of electrofishing and AUSRIVAS modelling, they are recognised as leaders in the field. Coupled with our extensive regulatory approvals experience, we can provide an affordable and fit-for-purpose approach to assist your project.

AQUATIC AND MARINE ECOLOGY METHODS

- Collection of accurate baseline data to reduce demands on project costs and timeframes.
- Revision of complex government policy and legislation to provide concise advice for your project success.
- Use of specialist survey techniques, impact assessments and monitoring studies to meet government requirements and deliver cost and time targets.
- Our team of experts are suitably qualified and meet industry requirements for the provision of aquatic ecological services.
- Our company operates under the required ethical and regulatory permits necessary to conduct ecological studies.

OUR EXPERIENCE

Seqwater, Lake McDonald Six Mile Creek Dam Improvement – Undertook a listed species search & habitat assessment to determine future aquatic ecological monitoring locations

Rio Tinto Group, Weipa Weipa bauxite mine – Receiving Environment Monitoring Program and Assessment of fishway efficiency

Redland City Council Redlands Bay bioassessment - Reporting of water quality, biological indicators and riparian assemblages

Oil Search Limited, PNG Assessment of habitat, macroinvertebrates and fish relevant to potential impacts from river extractions



OUR SERVICES INCLUDE

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| • Compliance assessments (EPBC, State EIA and related assessment levels) | • Aquatic fauna trapping (netting, traps and electro-fishing) | • Fishway barrier assessment |
| • Construction environmental management for Species Management Plans | • Macroinvertebrate sampling, taxonomy, and predictive modelling | • AUSRIVAS and EHMP habitat assessment |
| • Aquatic ecological baseline condition and impact assessment | • Diatom sampling & associated water quality descriptions | • eDNA sampling and species mapping |
| • Aquatic flora assessment and mapping | • Zooplankton sampling and analysis | • Seagrass, coral, mangrove and seabed mapping and monitoring |
| | | • Fish salvage management plans |