



Capability Statement





About Ecomarine Consulting

Ecomarine Consulting provides specialist consultancy services for marine ecological assessment. Key capabilities are based around the knowledge, skills and experience of Dr Karen Parsons, a marine ecologist with 20 years of experience in environmental research, management and consultancy.



Key areas of expertise at Ecomarine Consulting:

- Marine natural values, ecology and threatened species
- Introduced marine pests
- Marine ecological impact assessments
- Research, technical advice and independent review
- Management and reporting for marine environmental surveys

Ecomarine Consulting collaborates with a broad network of additional specialists in areas as diverse as water and sediment quality, biostatistics, avian ecology, GIS mapping and hydrodynamic modelling to ensure clients have access to the best available skills for their project. Close affiliations with marine field operators facilitate services for the management and reporting of underwater surveys of marine flora and fauna, habitats and environmental health.

Tailored services are offered to a wide variety of clients including governments, research agencies, non-government organisations, and industry sectors such as ports, aquaculture, tourism, consultancy, residential and commercial development, and extraction and processing industries.

“Ecomarine Consulting’s strengths lie in its high level of technical expertise in key marine ecological and environmental management issues; flexible services suited to independent marine projects or specialist input for large multi-faceted environmental projects; and integrity and commitment to providing high quality, practical and timely marine environmental reporting and outcomes”





Natural Values

Ecomarine Consulting has a diverse range of skills in marine natural values and ecological assessment and provides the following services:

- Natural ecological values reports and inventories at site, regional, state and national levels
- Identification, prioritisation and mapping of significant sites using marine biodiversity and natural values data and indices
- Threatened species management plans
- Marine ecological impact assessments for threatened species, biodiversity values, sensitive habitats and threatening processes
- Accurate GIS mapping of marine habitats, species, marine ecological communities and natural values indices
- Management and reporting for surveys of marine biodiversity, ecology, threatened species and habitats
- Biodiversity, habitat and marine natural resource planning



Introduced Marine Pests

With a wealth of background experience in marine pest surveying, monitoring and management, Ecomarine Consulting provides the following services:



- Marine pest survey designs consistent with national guidelines
- Marine pest risk assessments and control plans
- Review of policies and monitoring guidelines for marine pests
- Assessments of eradication and control techniques
- Management and reporting for marine pest baseline and monitoring surveys



Marine Ecological Impact Assessments

Ecomarine Consulting undertakes marine ecological components of Environmental Impact Assessments (EIAs) for development proposals, including:

- Pre-feasibility desktop EIAs, scoping documents and environmental descriptions
- Commonwealth EPBC Referrals and Sea Dumping Permits
- State environmental referrals and assessment documents

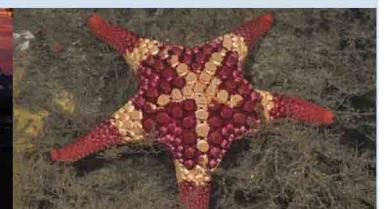
Input into the above includes:

- Identification and application of relevant Commonwealth and State marine environmental and biodiversity legislation
- Background investigations to identify existing environmental conditions and key sites, habitats and species
- Study design and management of field surveys to collect necessary ecological and other environmental data
- Marine ecological risk and impact analyses
- Mitigation and management strategies, incorporating codes of best practice and environmental offset strategies where applicable



Practice Areas include:

- Port developments
- Wastewater outfall discharges
- Marinas, jetties and slipways
- Dredging, spoil disposal and reclamation
- Undersea pipelines and cables
- Aquaculture facilities
- Bridges and other coastal infrastructure
- Tourism developments
- Pulp and paper mills
- Power stations
- Sand and mineral mining
- Offshore oil and gas
- Multi-use industrial developments
- Defence facilities
- Marine and foreshore recreation facilities
- Broad ocean-land interface assessments

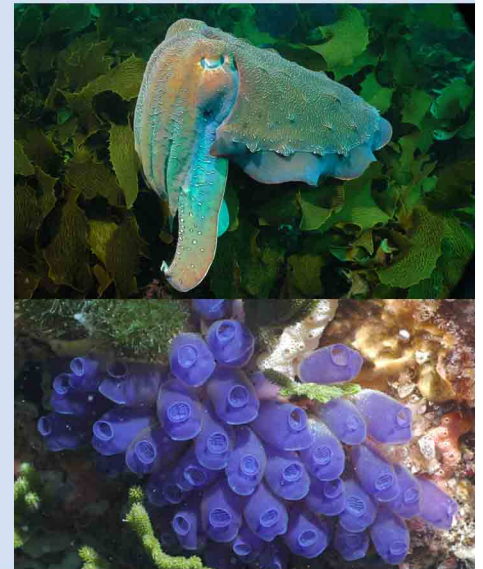




Research, Review and Advice

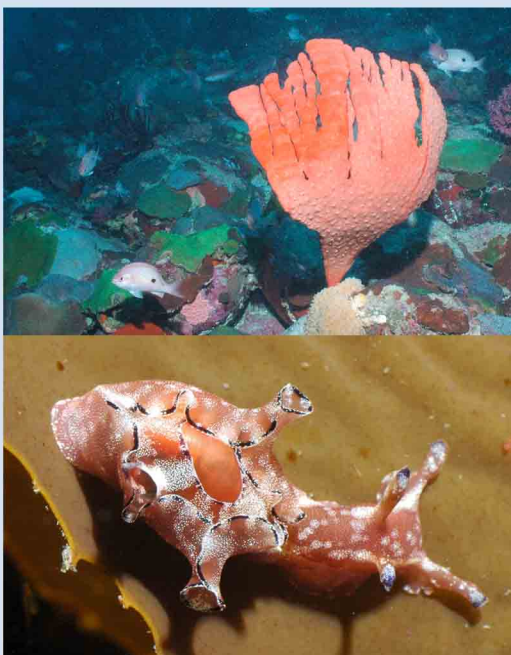
Skills and experience in areas as diverse as scientific research, marine environmental management, national monitoring networks and project evaluation combine to provide the following services:

- Independent research and advice on marine ecological management issues
- Collaborations with research and government agencies to develop scientifically rigorous approaches to key marine environmental issues
- State of Environment reporting in line with regional, state and national networks, based on relevant ecological indicators and targets
- Independent review and evaluation of marine environmental programs, reports, guidelines and policies



Marine Ecological Surveys

Ecomarine Consulting provides clients with the following services for marine ecological surveys and monitoring programs:



- Survey design to meet regulatory requirements, including baseline surveys and compliance monitoring
- Identification of appropriate biological indicators to meet specific project needs
- Management and reporting of marine field surveys and monitoring programs performed by affiliated specialist field operators, including surveys of marine flora and fauna, habitats and environmental health
- Analysis, technical interpretation and reporting of ecological field data



Ecomarine Consulting

Phone 0407 813 604

Email karen.parsons@ecomarineconsulting.com.au

Post PO Box 405 Kingston, Tasmania AUSTRALIA 7050

ABN 21 947 500 476



ecomarine
Consulting