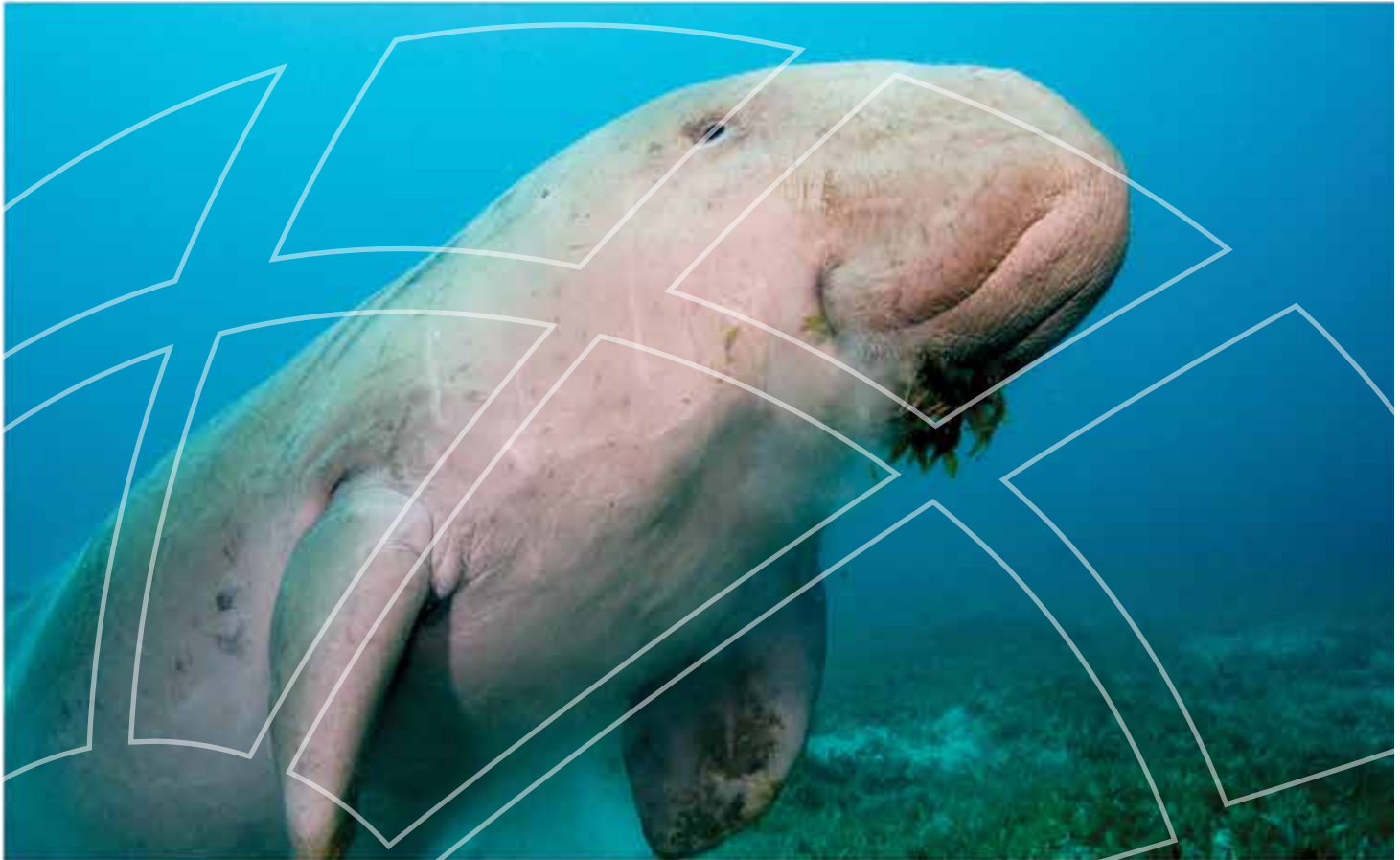


Marine Ecology



The marine ecology team offer specialist consulting services with an emphasis on quantitative field surveys and modelling. Working together with quality scientists and numerical modellers, the marine ecology team has a long history of providing innovative solutions to industry, government authorities and environmental managers throughout Australia, PNG and the wider South Pacific region.

Professional Services

Our team has successfully completed 100s of marine and estuarine ecological projects over our 30 year history including:

- Environmental impact assessments, particularly for port and coastal developments
- Environmental monitoring program design and implementation
- Baseline mapping, environmental inventories and strategic environmental assessments
- Third party reviews and strategic advice to government and industry partners
- Marine pest inspections



Areas of Technical Expertise

The marine ecology team offers a comprehensive range of technical capabilities and competencies in the following areas:

- Marine biogeochemistry assessments – including measurements of sediment flux and sewage mapping using isotope analysis
- Intertidal marine plant, habitat and fauna surveys – including habitat mapping based on remote imagery, quantitative sampling of flora and fauna, and habitat condition assessments
- Subtidal habitat, plankton and benthic community surveys – sonar-based geophysical seabed habitat mapping; sled and drop camera based sampling of seagrass, reefs and soft sediment fauna; grab sampling of sediments and benthic fauna; diver-based sampling methods; remotely operated vehicle (ROV) deployment and a comprehensive range of fish sampling apparatus
- Targeted vegetation and threatened fauna species assessments – including fish, marine reptile and mammal surveys
- Fish community and fisheries surveys using the latest technologies including baited remote underwater video systems
- Environmental impact prediction, particularly in the context of interpretation of hydrodynamic and water quality modelling outputs
- Monitoring program design, data analysis and management – including the design and development of reactive and proactive monitoring programs, univariate and multivariate statistical analysis, GIS-based data analyses, database development and data storage
- Commercial SCUBA divers and coxswains, supported by comprehensive suite of field sampling equipment that includes three research vessels



BMT WBM operates a Quality Management System that meets the requirements of the International Standard ISO 9001:2008. We apply this standard in all our business activities to ensure that the data we collect meets our client's needs and the continual improvement of our services.