

COASTAL MANAGEMENT



SUSTAINABLE DEVELOPMENT

The coastal ecosystem is characterised by complex physical relationships between tidal processes and river catchments that drain into this environment. These ecosystems often have high ecological values for freshwater and marine species and also provide exceptional recreational opportunities for surrounding communities.

The sustainable development of coastal areas has been a significant issue in Australia for many years and will be extensively tested as a result of expected sea level rises, increases in recreational activities and the need for upgraded port and harbour infrastructure to service mining and other commercial sectors. Upstream uses such as agriculture and sewerage treatment plants can also have significant impacts on the coastal environment.

E3 personnel can provide a full range of environmental services from the scoping and planning phases of a project through to detailed environmental investigations, approval acquisition and environmental management during construction/ implementation phases of the project.



OUR SERVICES INCLUDE:

- Acid Sulfate Soils identification and assessment;
- Advice on Commonwealth and State (NSW and Queensland) approvals processes and planning and legislative requirements;
- Aquatic and Terrestrial Flora and Fauna investigations;
- Cultural Heritage matters;
- Development and implementation of EMPs.
- Development and implementation of water quality monitoring programs;
- Dredging strategies including Sea Dumping Permits and designing sediment analysis programs to address National Assessment Guidelines for Dredging applications;
- Groundwater investigation and assessment;
- Implementation of sediment analysis programs and interpretation of results;
- Statutory and Land Use Planning;
- Visual impact assessment.

The E3 team includes project managers, environmental scientists and environmental planners with extensive experience in coastal assessment and planning. Our experience encompasses a wide range of infrastructure projects including transport corridors to and from ports, seawalls, marinas, capital and maintenance dredging programs, and port and harbour extensions at sites throughout Australia and the Pacific Islands.