

# Marine Ecology & Water Quality

Our team of highly qualified technicians has undertaken numerous marine impact assessment projects both internationally and domestically including: coral reef composition and health, seagrass mapping, water and sediment quality assessments, fish, marine megafauna, sea turtle habitat and tracking assessments.

Ecobalance has a team of certified occupational divers experienced in undertaking:

## Environmental impact assessment (EIA)

Comprehensive Marine Ecological Assessment including:

- ✓ **Water & sediment** quality assessments;
- ✓ **Benthic mapping**;
- ✓ **Fish, marine megafauna & infauna** population assessments;
- ✓ **Coral health**, marine animal tissue & metal concentration analyses (NATA accredited laboratory) & reporting.

## Water quality monitoring/analyses

Including:

- ✓ **Water quality testing** (i.e. pH, Conductivity, Turbidity, Temperature & Dissolved Oxygen);
- ✓ **NATA accredited laboratory analysis:** Physio-chemical, Soluble (Filtered) Metals, Nutrients, Organophosphorus Pesticides (OP), Polynuclear Aromatic Hydrocarbons (PAH), BETXN, Total Petroleum Hydrocarbons (TPH), Total Recoverable Hydrocarbons (TRH), Organics, Organochloride pesticides (OC). Water quality data analysis & report preparation;
- ✓ **Water quality** data analysis & report preparation.

## Seagrass and coral health assessment/monitoring

Including:

- ✓ **High resolution GIS mapping**;
- ✓ **Field studies** to identify & describe benthic communities, coverage, general composition;
- ✓ **Coral health assessments**;
- ✓ **Technical report** preparation.

