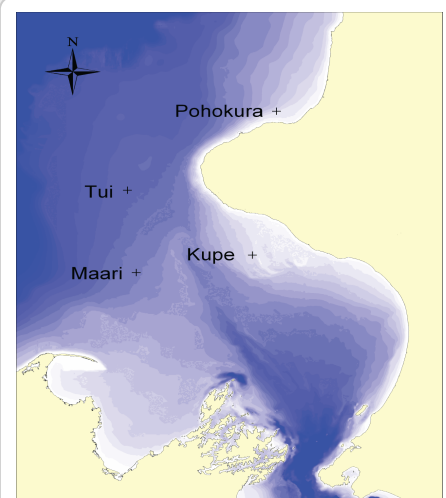
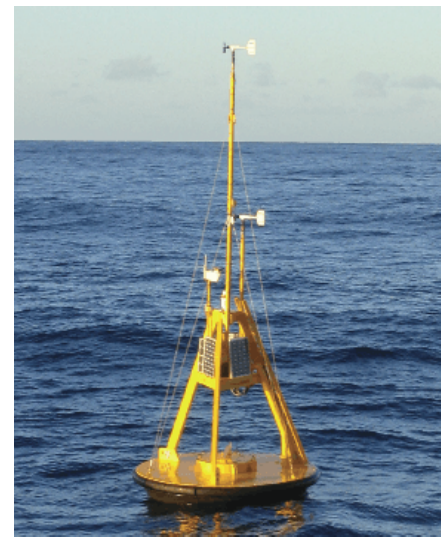


Environmental Design Studies for Offshore Engineering

The scientists at MetOcean Solutions have undertaken the environmental design studies for all the major offshore oil and gas engineering projects in NZ since 1999. These include the Pohokura, Kupe, Maari and Tui developments.

The design studies have considered:

- Wave, wind, current and sea temperature regime
- Seawater parameters
- Extreme environmental conditions
- Marine growth on structures
- On-bottom pipeline stability and route survey
- Spectral wave fatigue and wave kinematics
- Construction and operational activity analysis
- Benthic marine ecology
- Oil spill trajectory
- Seabed survey
- Tow route analysis



The design studies have involved on-site data collection measuring wave spectra, current profiles, temperature profiles, benthic infauna, bathymetry, sidescan and video.

