



# Wetlands

## Background

The ecological significance of wetlands is becoming increasingly recognised in modern society. Preservation of existing wetlands, restoration and rehabilitation of degraded wetlands and the professional design and construction of artificial wetlands are all key issues in managing water resources.

## Services Provided

NSW Public Works MHL is able to offer a comprehensive range of wetland services in freshwater and coastal wetlands, including:

- assessment of physical and water quality processes
- monitoring of water levels, water quality and sedimentation, including the capacity for telemetered systems
- vibracoring of tidal mudflats, peatlands and other fragile sediments
- mapping through GIS, remote sensing and other techniques
- numerical modelling of flooding and water quality processes (including real time capabilities)
- residence time and flow path determination through tracer studies and velocity measurements, and
- wetland remediation and construction design services.

NSW Public Works MHL has extensive experience in such studies, performed to the satisfaction of a wide range of clients, providing valuable insights into these environmentally significant ecosystems.

