

Environmental Monitoring Broadwater, Gold Coast 2018



Labrador Channel and North Channel Dredging Project Environmental Monitoring Program

Gold Coast Waterways Authority (GCWA) manages the sustainable use of Gold Coast waterways for marine industry, tourism and recreation. GCWA identified shoaling within Labrador Channel (north) and North Channel (south) and dredged the identified areas and used the dredged material to nourish nearby foreshores.

GCWA commissioned Australasian Marine Associates (AMA) to undertake sediment, water quality and seagrass surveys before, during and after dredging works, where applicable.

Labrador channel is located on the western side of the Broadwater, between Broadwater parklands and Biggera Creek. Being a secondary channel, it provides a western alternative route for smaller vessels to the primary South and North Channels. North Channel is located adjacent to the western foreshore of South Stradbroke Island and extends from the seaway through to the Coomera River. It is designated as a primary channel.

Objectives and Scope of the Environmental Assessment

The objectives of the scope of works was as follows:

- Review the existing data;
- Undertake the necessary sediment analysis to ensure the project was completed in accordance with all relevant legislation, regulations, standards, guidelines and approvals;
- Undertake the necessary water quality testing (prior to and during dredging) to ensure the project was completed in accordance with all relevant legislation, regulations, standards, guidelines and approvals;
- To determine if any potential environmental harm occurs to the benthic habitat as a direct result of dredging activities and placement activities at Labrador Channel and North Channel; and
- To determine if any seagrass regeneration and/or recolonisation occurs following dredging and placement activities in Labrador Channel and North Channel.
- Achieve a high quality standard with all project deliverables.

For further information please contact:

Australasian Marine Associates Pty Ltd
3B, 23 Township Drive, Burleigh Heads QLD 4220

Key Personnel Contacts:

Dr Adam Cohen - 0413 033 500 or
Dr Daniel Spooner 0404 834 164