



3. 65m; Temp: 24C



GLADSTONE DESALINATION

Water Quality and Ecology Investigations

Ports and Coastal Environmental conducted infield ecology and water quality investigations to support a desalination facility project. Works included assessment of the intake and outfall areas and the alignment of project infrastructure. Habitats were identified using state of the art underwater robotic video systems which capture high resolution video and still imagery. Over 2km of transects were completed in 2 days. Analysis from the survey included ~20,000 data points from 2,000 images.

Infield water quality was also commenced using a system of deployed physicochemical loggers and vessel based sampling. The program is proposed to be conducted monthly over a 12-18 mth period.

Data from field investigations will support hydrodynamic modeling and form part of the impact assessment and design process. The objective being the design construction and operation of a facility which minimize environmental impact.

