

SOILS, GEOLOGY AND LAND USE



Geotechnical studies have been used to inform the breakwater and marina design process and to identify mitigation measures to minimise construction and operational impacts.

Studies included:

- assessment of the topography and geology of the site and its suitability to the proposed development
- assessment of the potential impacts of the design, construction and operation on all matters relating to land
- identification of appropriate mitigation strategies

Potential impacts

- risk of subsidence
- disturbance to land during bulk earthworks
- increased risk of erosion and sedimentation
- degradation of the marine environment within the marina
- exposure of potential acid sulfate soils
- increased risk of contaminating soil and marine sediments
- impacts on landscape and visual amenity



The proponent has committed to:

- staging construction to reduce the land disturbance at any one time, especially on areas of conservation significance
- undertaking most earthworks “in the dry”
- implementing a Construction Environmental Management Plan
- implementing a Marina Site Based Management Plan
- providing landscape buffers along Proserpine-Shute Harbour Road
- providing an environmental buffer between Conway National Park and the Shute Harbour Marina Resort
- treating acid sulfate soils if identified during works in accordance with the Acid Sulfate Management Plan
- providing infrastructure including upgraded power, water, sewer, storm water drainage and telecommunications



Image courtesy FRC Environmental

