

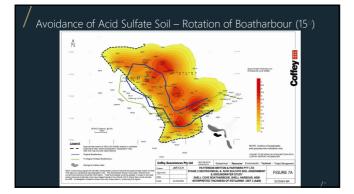


Acid Sulfate Soils (ASS)

- Soil and sediment containing iron sulfides
- Found in every coastal estuary and embayment in NSW
- Actual Acid Sulfate Soil (AASS)
- Potential Acid Sulfate Soil (PASS)

Acid Sulfate Soil Design Considerations

- Locate structures away from the ASS (where possible)
- Soft nature of ASS can affect stability and foundation requirements
- Management plans and mitigation measures to minimise environmental impacts
- Durability of structures in contact with ASS or exposed to low pH water.



/ Acid Sulfate Soils (ASS) Management

- Prevent oxidation keep material moist and minimise stockpiling
- Reliably determine interface between PASS and AASS
- ASS can be disposed of either by:
- reburial below the Boatharbour floor capped with clean sand
 neutralised and reused, or
- -disposed at a licensed landfill site for PASS
- Prevent draw-down from adversely impacting ASS
- Monitor soil, water and groundwater pH.

Buried Acid Sulfate Soils			
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