

5. Topography, geology and soils

5.1 Summary

A summary of the comments received during the JRYUP EIS consultation process relevant to topography, soils and geology issues are outlined below.

- No information has been provided in the EIS in relation to Acid Sulfate Soils (ASS).
- The proposed corridor is likely to contain ASS at some locations, in particular tidal creeks and/or land <5 m AHD.
- The information in both the ASS investigation report and any proposed management strategy should be in accordance with the relevant parts of Sections 6 to 10 of SPP 2/02 and associated guideline. It is further noted that an ASS investigation was planned for August and September 2007, which will result in an ASS management plan to be implemented during construction. DNRW would like to review the ASS management plan and EMP once the ASS investigation has been undertaken and the EMP developed.
- Further information regarding the % slope findings within and surrounding the site. If the site and surrounds have instances of 15% slope or greater, the proponent should detail measures proposed to comply with Outcome 3 of SPP 1/03.
- The project site should be mapped in relation to the erosion prone area.

5.2 Acid sulfate soils

The acid sulfate soil investigation for the Project has been completed and the Acid Sulfate Soil Management Plan has been developed as a result of the investigation findings. These documents are provided in Appendix F.

5.3 Topography and slopes

Geotechnical stability of geology and landforms within the project area are being investigated as a component of the geotechnical investigations being conducted throughout the design phase. Findings, recommendations and protection measures identified as an outcome of these investigations will be incorporated into the design of the Project.

5.4 Erosion prone areas

A figure illustrating the extent of the project design works in relation to the erosion prone area as defined under the *Coastal Protection and Management Act 1995* is provided in Appendix B (refer SK-C-000-101-1016).