Tweed Shire
Coastal Hazards
Appendix B
November 2013
Tweed Shire Coastal Hazards
Appendix B

Prepared For: Tweed Shire Council
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Tweed Shire Council has prepared this document with financial assistance from the NSW Government through the Office of Environment and Heritage. This document does not necessarily represent the opinions of the NSW Government or the Office of Environment and Heritage.
Kingscliff Coastal Hazards
Figure B-1  Erosion Hazard Zones: Kingscliff

Notes:
A zone of reduced foundation capacity will exist landward of a resulting erosion escarp. Definition of the extent of the zone of reduced foundation capacity will require professional assessment on a site by site basis. As additional allowance in this regard should be included in considering the immediate hazard zone.

The accuracy of predicting these hazard zones is subject to many uncertainties. The existence of bedrock, indurated sands and/or structures may impact on the realism of the hazards.

Coastal features and structures have been observed and digitally plotted using photogrammetric techniques. Hazard lines have been determined and plotted relative to the photogrammetry data. Coastal boundaries as shown may not have been survey corrected and are presented for guidance.
Figure B-2  Erosion Hazard Zones: Kingscliff North
Figure B-3  Erosion Hazard Zones: Murphys Road to Wommin Lake
Figure B- 4 Erosion Hazard Zones: Dreamtime Beach
Figure B-5 Kingscliff Wave Inundation Hazard Area
Figure B-6  Cudgen Creek Estuary Storm Tide Inundation Hazard Area
Tweed Shire Coastal Hazards
Figure B-7 Erosion Hazard Extents: Pottsville
Figure B-8  Mooball Creek Storm Tide Inundation Hazard Areas
Figure B-9  Erosion Hazard Extents: Hastings Point
Figure B-10 Erosion Hazard Extents: Pottsville to Norries Head (Bogangar South)
Figure B-11: Cudgera Creek Storm Tide Inundation Hazard & Wave Overtopping and Breakthrough Hazard Areas
Figure B-12  Erosion Hazard Extents: Cabarita Beach
Figure B-13  Erosion Hazard Extents: Casuarina South (Bogangar Beach)
Figure B-14  Erosion Hazard Extents: Casuarina (Central)
Figure B- 15  Erosion Hazard Extents: Casuarina North (Salt)
Aerial image: Nearmap, 05/10/2013

LEGEND
- 2007 Dune at RL -4.6m (AHD)
- Calculated Storm Site
- Immediate Hazard Line
- Min 2050 Hazard Line
- Best Est 2050 Hazard Line
- Max 2050 Hazard Line
- Min 2100 Hazard Line
- Best Est 2100 Hazard Line
- Max 2100 Hazard Line

Notes:
- A zone of reduced foundation capacity will exist landward of the receding erosion scar. Definition of the extent of the zone of reduced foundation capacity will require professional assessment on a site by site basis. An additional allowance in this regard should be included in considering the intermediate hazard zone.

- The accuracy of predicting these hazard lines is subject to many uncertainties. The existence of bedrock, indurated sands and/or structures may impact on the realisation of the hazards.

- Coastal features and structures have been observed and digitally photogrammed. Hazard lines have been determined and plotted relative to the photogrammetry data. Coastal boundaries as shown may not have been surveyed control and are presented for guidance.