

ESTUARY BRIDGES: CONNECTING COASTLINE AND WILDLIFE

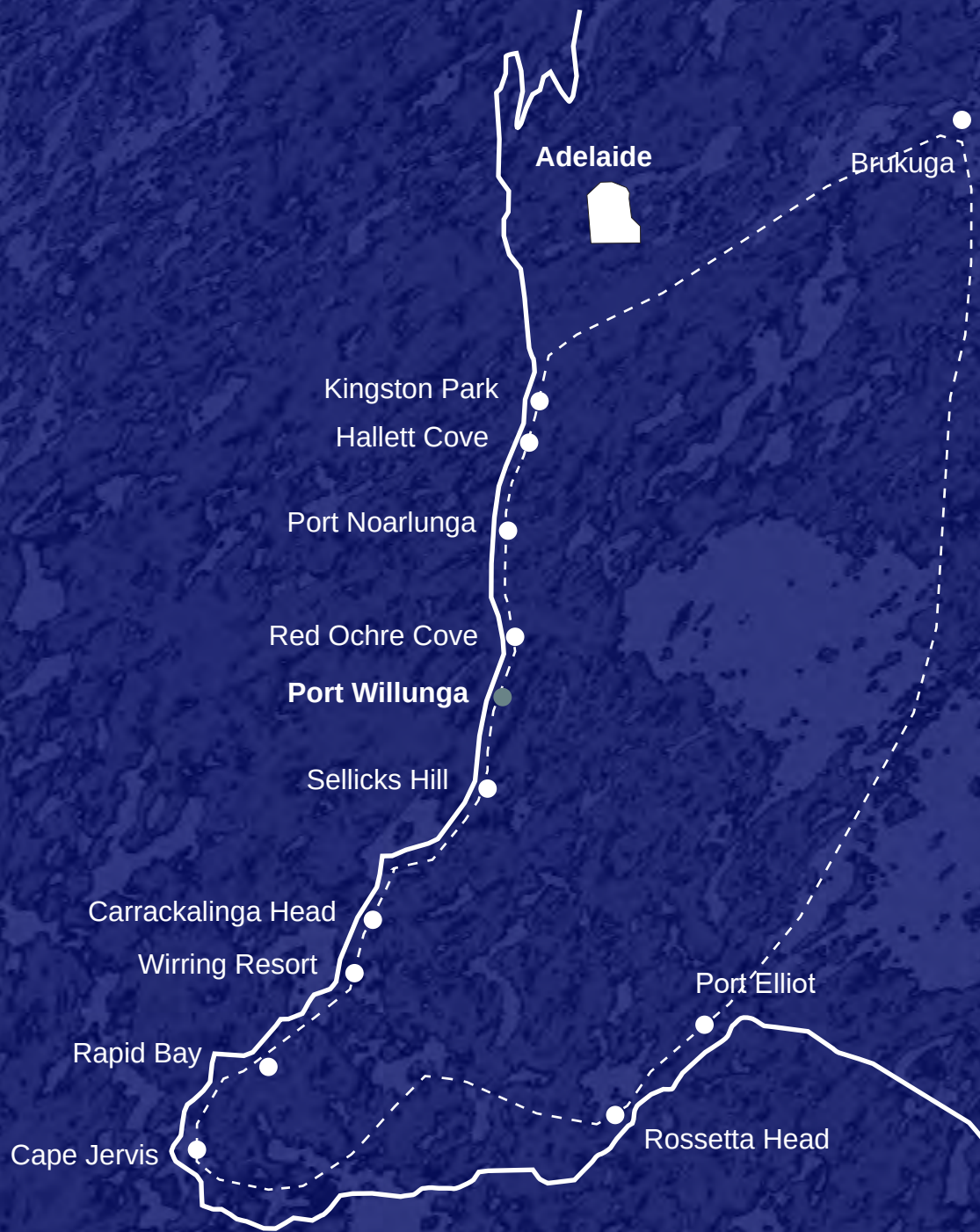
LARCH 7028 Studio Cultures - Assignment 4: Country Centered Design - Final

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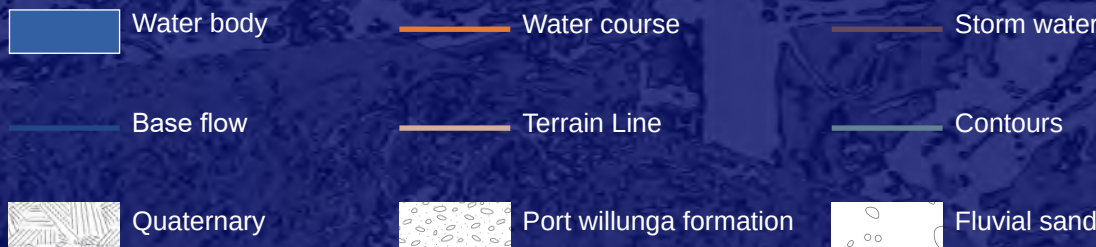
WILUNGA BASIN MAPPING



Tjirbruki Dreaming Sites

As the sea level rises in autumn, the atmospheric pressure drops and the water table rises, independent of rainfall, so the water level in Washpool and the Blue Lagoon will also begin to rise. In winter, when the rains arrive, low-lying land northeast of Washpool and east of the Aldinga Bush will begin to flood (Wollaston 1973).

LEGEND



Tjirbruki, the ancestor of the Kaurna people, mourned the unjust killing of his nephew Kulultuwi, and buried him in a cave in Rapid Bay. His tears formed springs along the coast along the way, and Tjirbruki was so heartbroken that his spirit eventually incarnated as a glossy ibis.



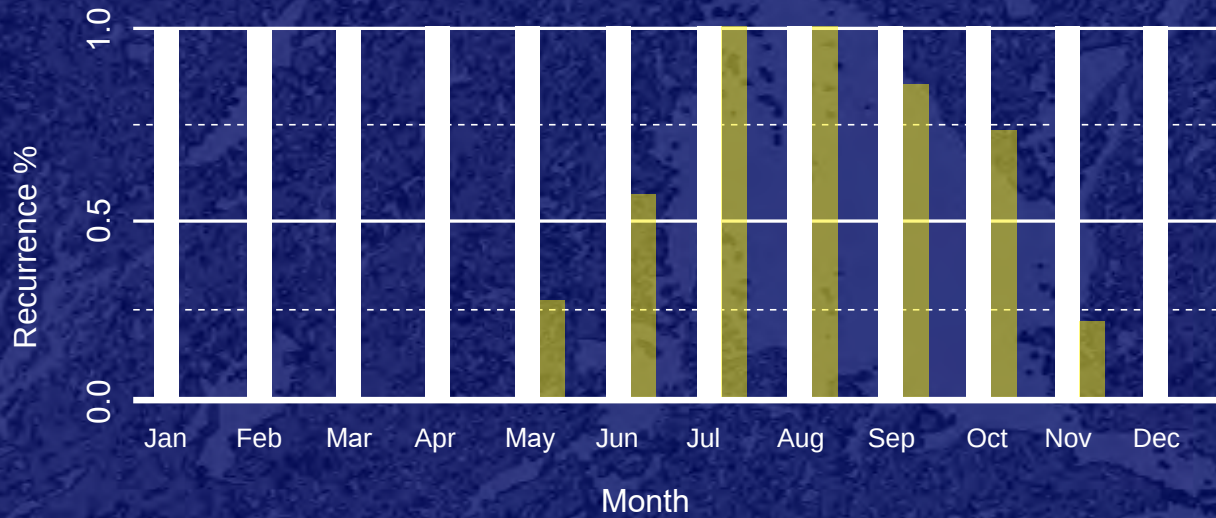
Tjilbruke Monument



Glossy Ibis

-The Kaurna people are the traditional owners of Washpool and the surrounding area, so the area is of great cultural and spiritual significance (T&M Ecologist, 2016).

-One of the few remaining coastal freshwater and estuarine lagoon systems in the Adelaide metropolitan area, it has a large amount of native vegetation and is of great environmental and ecological value.



Aldinga Washpool Monthly Water Recurrence (Pekel et al. 2016)



-Trichoglossus concinnus



-Pollaninus viridipulverulenta



-Gymnorhina tibicen



-Pogona barbata



-Egretta novaehollandiae



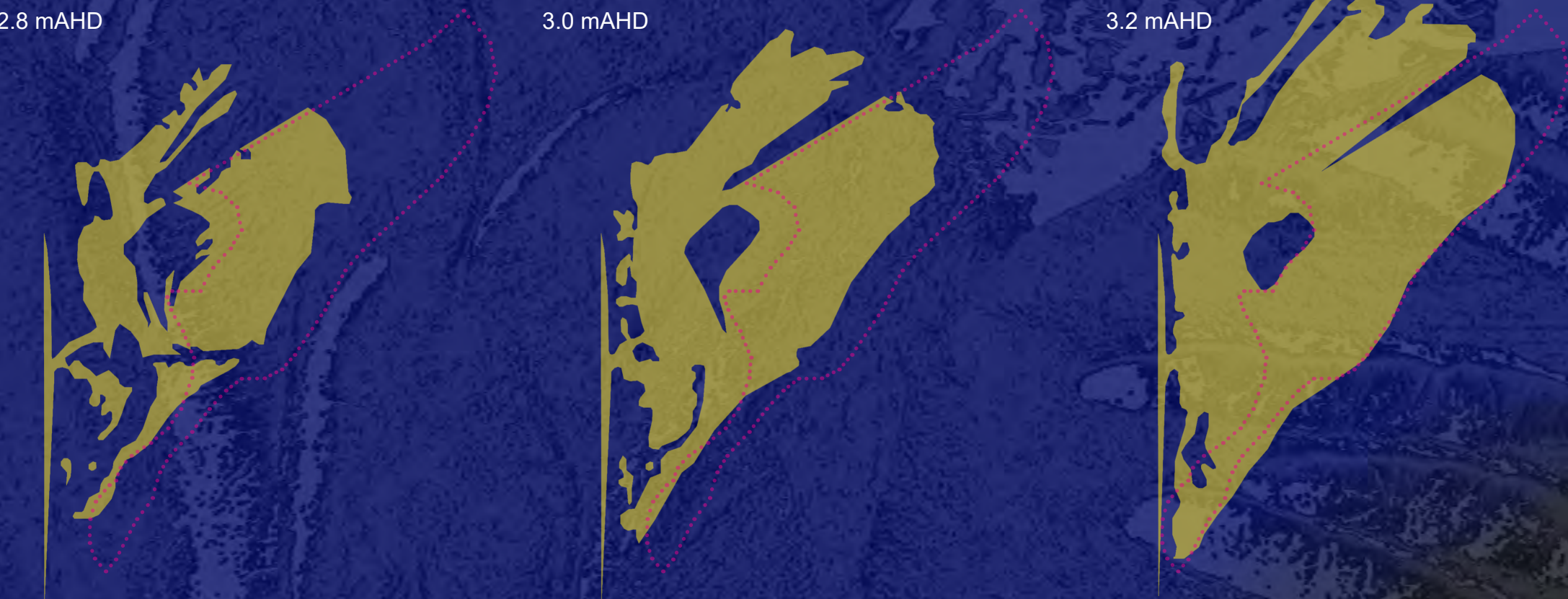
-Orthorhynchus cylindrostris



-Anas superciliosa



-Heteronympa merope



Comparison of the theoretical washpool extent and the inundation extent for a range of water surface elevations indicated by a contemporary DEM (yellow shading) (Taylor et al. 2016).



0 500 1500 3000 M

Willunga Basin Mapping 1 : 50,000