

SCHEDULE OF SUBMISSIONS

For Broome Townsite Coastal Hazard Risk Management Adaptation Plan

Number	Name/ Address	Affected Property	Summary of Submissions	Officer Comment and Recommendation
1	Department of Education 151 Royal Street, East Perth WA 6004	N/A	No objection.	Noted. Recommendation: No further action required.
2	Roebuck Bay Caravan Park, 91 Walcott Street, Broome 6725	Roebuck Bay Caravan Park, 91 Walcott Street, Broome 6725	<p>A minor comment is that the text refers to the " old wharf area", probably should be more accurately described as being "the old jetty area"</p> <p>In that same para there is rightfully a comment about the pindan cliff erosion north of that area.</p> <p>There is also about 40 metres of pindan cliff south of the described area that is subject to erosion although this has been somewhat controlled by the Park Operators by selective fill and planting of vegetation. There is however a long term risk of significant erosion.</p> <p>There is comment about the caravan park in the Town Beach sector of the report. Erosion has largely been controlled, apart from the pindan cliffs mentioned that are in the park, by the operators of the park over the past 27 years by again using selective fill and vegetation and in fact in front of town beach significant stabilisation and protection has been achieved. The risk of inundation by sea surging is not as high in the section known as section four as the banks are some 4 metres</p>	<p><u>Old Jetty Area Wording</u> Comments are noted. The wording in the CHRMAP has been amended from the 'Old Wharf Area' to the 'Old Jetty Area'.</p> <p><u>Level of Coastal Erosion</u> The CHRMAP has been developed using data from the Coastal Vulnerability Study (CVS) which provides a detailed assessment of the potential impacts to the Broome townsite as a result of coastal erosion (immediate storm impact, long term recession/ accretion and sea level rise) and inundation as a result of catchment flooding and storm surge (including assessment of nearshore processes such as wave setup and wave run-up).</p> <p>The CVS was comprised of a number of specialist studies as follows:</p>

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			<p>high and covered with some vegetation. In the section known as section three the around height is probably around 1.5 metres above high tide level.</p> <p>For future mitigation of risk it is suggested that the building of chalets or similar not be allowed in Section three.</p> <p>There is also a comment about an emergency evacuation plan being developed for the park. Current practices that are in place virtually cover the risk as most of the park would be at least 4/5 metres above sea level and section three does not have permanents placed there and all vans etc are fully moveable in the case of need. This is the reason for suggesting that no permanent structures be allowed to be constructed in section three.</p>	<ul style="list-style-type: none"> • Storm tide and coastal inundation assessment; • Hydraulic Assessment; • Hydro-geological assessment (not used in preparation of the CHRMAP); and • Shoreline Stability assessment <p>The CVS takes into account longer term trends (sea level rise and cyclone events) that may not be noticeable on a day to day basis, but are quantifiable based on climatic science. Therefore, the CVS is considered to be the best available information for the Shire to be using to undertaking coastal adaptation planning.</p> <p><u>Existing Coastal Protection</u> The protection structures in the section of coast fronting the caravan park have not been considered in the coastal processes assessment under SPP 2.6. The rationale being that that whilst erosion may have been controlled over the last 27 years, there is no guarantee that such protection will be in place in the future.</p> <p>The importance of the structures for managing coastal hazard risk in this section of coast is evident, however the commitment to ensure they remain in place throughout the future 100 years</p>

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				<p>planning period (2110) and the responsibility of ongoing maintenance and any future rebuilding of the structures at the end of their design life will require further definition as part of the CHRMAP process.</p> <p>The CHRMAP identifies that the dune fronting the caravan park should be the focus of a geotechnical investigation to determine its resilience to coastal erosion. In the short term, monitoring of the shoreline for long term erosion is important particularly after significant storms.</p> <p>Any future redevelopment of the caravan park would be required to consider the risk of coastal hazards and plan appropriately. A caravan park emergency plan would ensure that risk is mitigated for people and property.</p> <p>Officer Recommendation: The wording of the 'Old Wharf Area' has been changed as recommended in the submission.</p>
3	Peter White historicalsociety@gmail.com	N/A	Early last year I submitted to the Threaten Species Scientific Committee TSSC of the Federal Dept for the Environment a "Threatening Process" application (26 pages) see attached. The application was rejected on a technicality that tracks (dinosaur)	Noted. Officer Recommendation: No further action required.

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			<p>are not "real" fossils but traces of life fossils termed ichnofossils and therefore the proposed Kimberley coast dinosaur tracks are not covered by current categories in the extinct EPBC Act 1999 legislation.</p> <p>However Director Jason Ferris reply 1st Sept 2016 indicated there were no problems - "provides thorough details" of the discussion presented. He indicated it will be published on their web site as an application not to proceed with at this time. However this local initiative may move things along as predicted sea level rises will see most tracks permanently submerged and no one will get to see them.</p> <p>I submit it for the Broome Council's information and review as one of the current Aust Heritage Council's Themes is "Geoheritage"</p>	