

Coochiemudlo Island SEMP Project Methodology

Source: BMT – October 2018

Tasks	Details	Deliverables
<i>Stage 1: Project Inception and Planning</i>		
Inception Meeting (includes presentation to the CRG)	- To confirm dates for the start, key milestones and completion of the study; - To establish key contacts with the CRG other stakeholders; - To confirm the proposed study methodology; and - To initiate information collation and collection tasks.	
<i>Stage 2: Shoreline Erosion Management Study</i>		
Site Inspection	- To document and better understand localised impacts and erosion issues. - To further identify the location of reefs and rocky control points, and well as locations where the seaward extent of sand is limited.	Stage 2 report documenting the methodology and findings.
Community Open Day	Community engagement, consultation and feedback.	
Literature Review and Data Collection	Review of available literature and datasets for the study area that are relevant to development of the SEMP. These will include data and study results related to the physical environment, socioeconomic and cultural values, and ecological values and legislative constraints.	
Regional processes	To update the knowledge of the broad-scale regional coastal processes by the review and analysis of existing reports and data	
Local processes	- Describe local sediment transport patters. - Assessment of short-term storm erosion in specific events. - Assessment of longer term potential trends - Assessment of existing protection measures. - Assessment of likely inundation levels.	
Risk assessment and mapping	- To assess the current erosion risk to the physical, cultural and environmental values and issues in each beach unit. - GIS mapping illustrating: shoreline type; existing protection works; at risk council assets and other infrastructure;	

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	private/public property; areas of high conservation value; sand transport patterns; and high-risk areas.	
<i>Stage 3: Draft Shoreline Erosion Management Plan and Operational Plan</i>		
Options development and evaluation	- Evaluate and recommend management options suitable for each beach compartment in consultation with stakeholders. - Develop a shoreline erosion management strategy to prioritise and timeline actions over a 50-year period.	Draft SEMP and Operation Plan
<i>Stage 4: Refinement of the draft SEMP and Operational Plan</i>		
Options finalisation	Finalise options and recommendations based on feedback (assuming one review only)	Final report combining all stages of the study.
<i>Stage 5: Presentation of final report</i>		
Presentation	Presentation of finalised SEMP and Operation Plan to CRG	