



Coastal Hazard Planning for the Denham Townsite



CHRMAP Process



What is a CHRMAP?

A CHRMAP is a strategic plan that provides a framework for decision makers to meet the challenges associated with coastal hazards, including sea level rise.

Purpose:

- To identify vulnerable assets (public and private) and the risk posed to them by coastal hazards.
- To preserve community values for present and future generations.
- To develop a plan that will allow the Shire to respond to identified risks through adaptation planning activities.
- To recommend monitoring plans to ensure the risk management and adaptation plan activities are working into the future as expected.

Why Does Denham need a CHRMAP?

Residents of and visitors to Denham place a high value on the surrounding coastline. In addition, the town site has significant assets within 50 metres of the present day coastline. The processes that affect this area are multiple and complex.

Sea Level Rise

Sea levels in WA have risen 11cm in the past 40 years. By 2100 sea levels are expected to rise by a further 90cm. On sandy coastlines, a 1cm rise in sea level will result in a 1m movement of the shoreline inland.

Changing Coastlines

Much of Western Australia's coastline is sandy and low lying, and Denham is no exception. These coastlines can be variable in nature and may be highly susceptible to changing conditions, such as sea level rise.

The Shire of Shark Bay has engaged Water Technology to prepare a **Coastal Hazard Risk Management and Adaptation Plan (CHRMAP)** for the Denham Coast. Undertaking a CHRMAP is a recommendation of the West Australian Planning Commission.

Information regarding this plan and its objectives, as well as details for the corresponding community consultation program are outlined in this information sheet.

Community Involvement

Community and stakeholder involvement is a critical component of the CHRMAP process, as it defines what and how much value is placed on assets within the study area. This will inform the adaptation planning process and ensure all needs are considered.

How can I be involved?

- Community Workshop 1 **5:30 pm Thursday 3rd May 2018**
- Stakeholder Interviews Friday 4th May 2018
- Community Workshop 2 October 2018
- Community Survey: to be posted to the Shire's website in October (planned)

Contact Details

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CHRMAP Outcomes

- The development of adaptation options such as planning responses, erosion and inundation mitigation options, and recommendations.
- An evaluation of potential managed retreat options and trigger points to initiate retreat plans.
- A recommended monitoring plan that the Shire can implement to identify risks and evaluate the performance of the CHRMAP aims in the short and long term.

