



BEAUMARIS MOTOR YACHT SQUADRON EXTENSION PROPOSAL

Impact Assessment

Celeste Ward



Image Source: www.bmys.com.au 10/4/12



OBJECTIVES

1. Historical review of the land and coastal usage
2. Assessment of the potential environmental hazards




BACKGROUND

- Established in 1959 on reclaimed Crown Land
- Expanded to its current size of 12,000m²
- Privately owned and operated
- The proposed works will increase the site by a further 3060m² of seabed and 680m² of boardwalk.

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Image Source: Google Earth 10/4/12



LOCAL FEATURES OF SIGNIFICANCE

1. Geological formations (onsite)
2. Ricketts Point Marine Sanctuary (600m)
3. Mentone beach (600m)


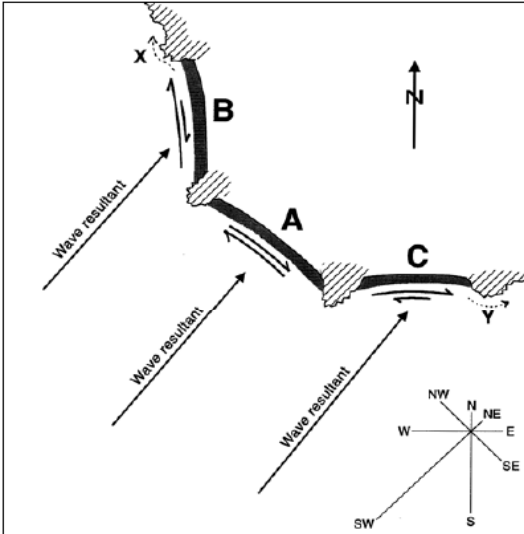
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DATA ANALYSIS

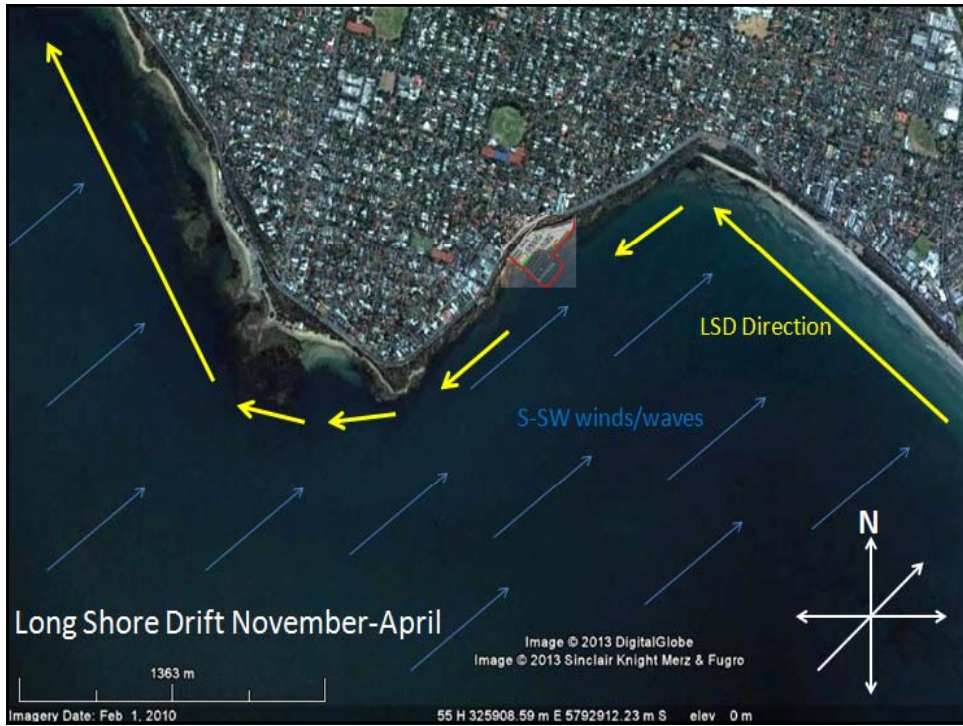
- **Sediment transport processes**
- Wind
- Waves
- Currents
- Tides
- Bathymetry
- Sea level rise
- Geotechnical

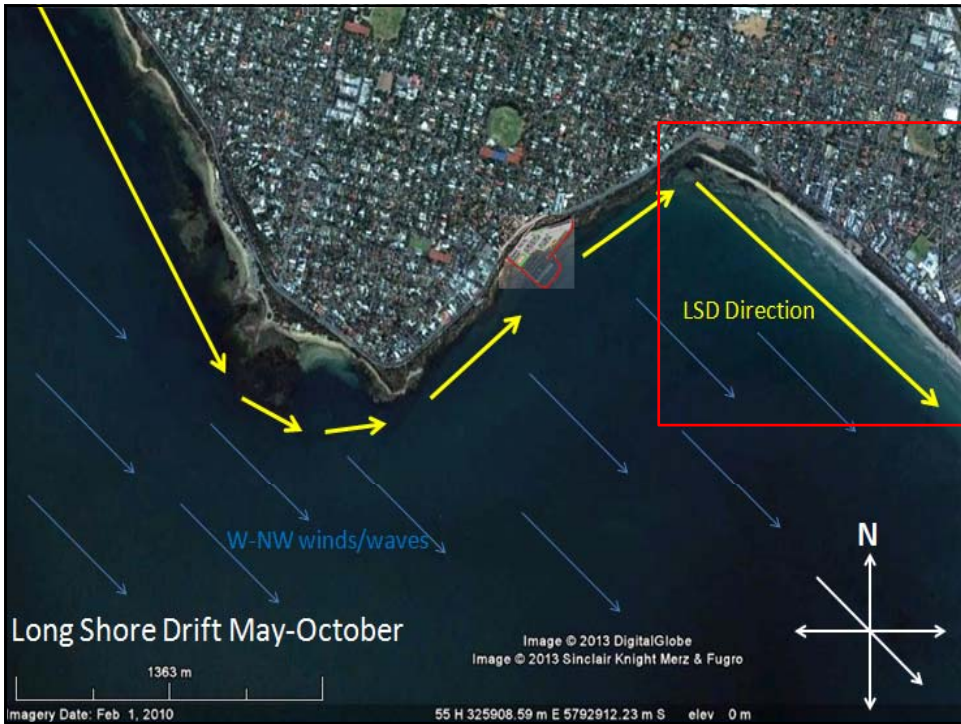
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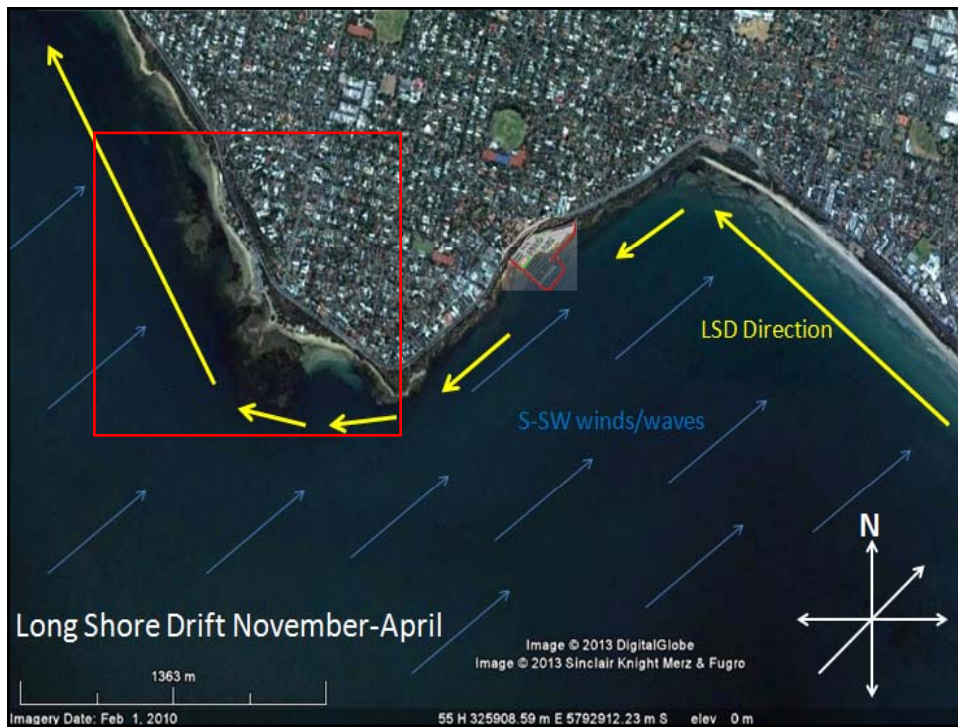



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Bird, E. (2011). *Changes on the coastline of Port Phillip Bay*. Melbourne: Department of Sustainability and Environment.







IMPACT ASSESSMENT

Environmental:

- Dredging may still occur
- Sediments flowing to Ricketts Point
- Covering fossils of international significance
- Loss of sediment at Mentone Beach

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LEGISLATION

Commonwealth:

- EPBC Act 1999

State:

- Mineral Resources (Sustainable Development) Act 1990
- Planning and Environment Act 1987
- Environment Protection Act 1970
- Water Act 1989
- Flora and Fauna Guarantee Act 1995

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CURRENT RESEARCH

- Hazards map
- Further analysis of BMYS proposal impacts
- Risk Assessment
- Management of impacts

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IMAGE REFERENCES

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DSE, D. o. (2013). *Interactive Maps*. Retrieved 5 23, 2013, from Biodiversity Interactive Map: <http://mapshare2.dse.vic.gov.au/MapShare2EXT/imf.jsp?site=bim>

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