



3.00m IPCC 2007

Between 2090 and 2100:

• Global sea level rise: 0.18m to 0.59m

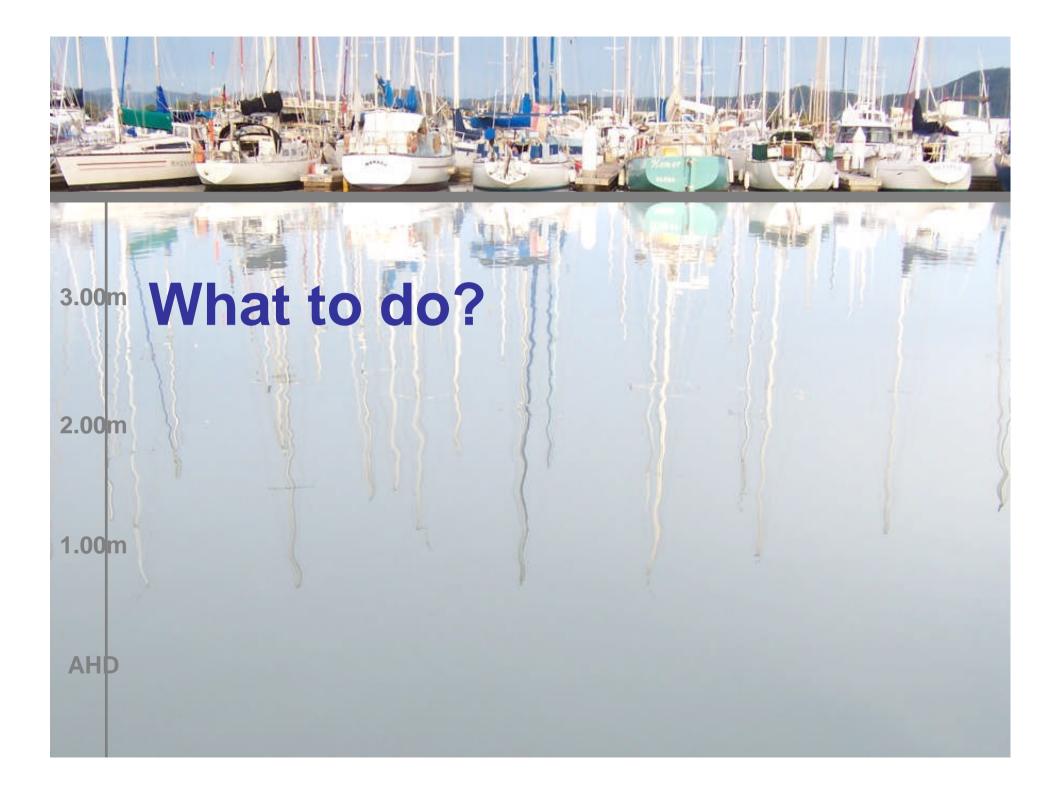
• With ice flow melt: 0.18m to 0.79m

• NSW Coast: 0.18m to 0.91m

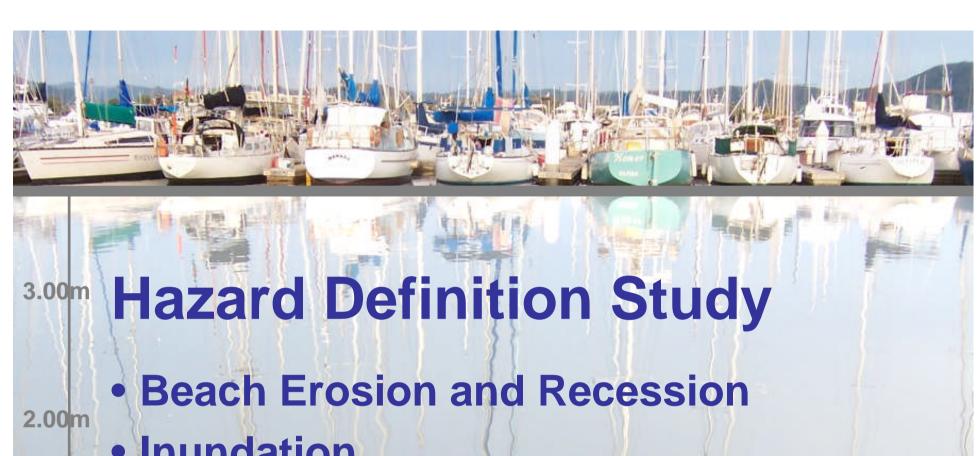
1.00m

2.00m

AHD







Inundation

1.00m

- Sand drift / slope stability
- Beach berm heights / ICOLLs
- Climate Change / Sea Level Rise



3.00m Hazard Definition Study

Project Objectives (BMT WBM):

- Technical assessment of processes
- Identify important processes / hazards
- Determine effects of Climate Change / Sea Level Rise

AHD

1.00m



3.00m Hazard Definition Study

- Comprehensive Hazard Zone mapping
 - Sensitive areas may require more detailed assessment
 - Allow review of CHCC coastal policy
 - Potential benchmark study for NSW and Australia

1.00m

AHD



Adaptation Strategy project

• Grant application

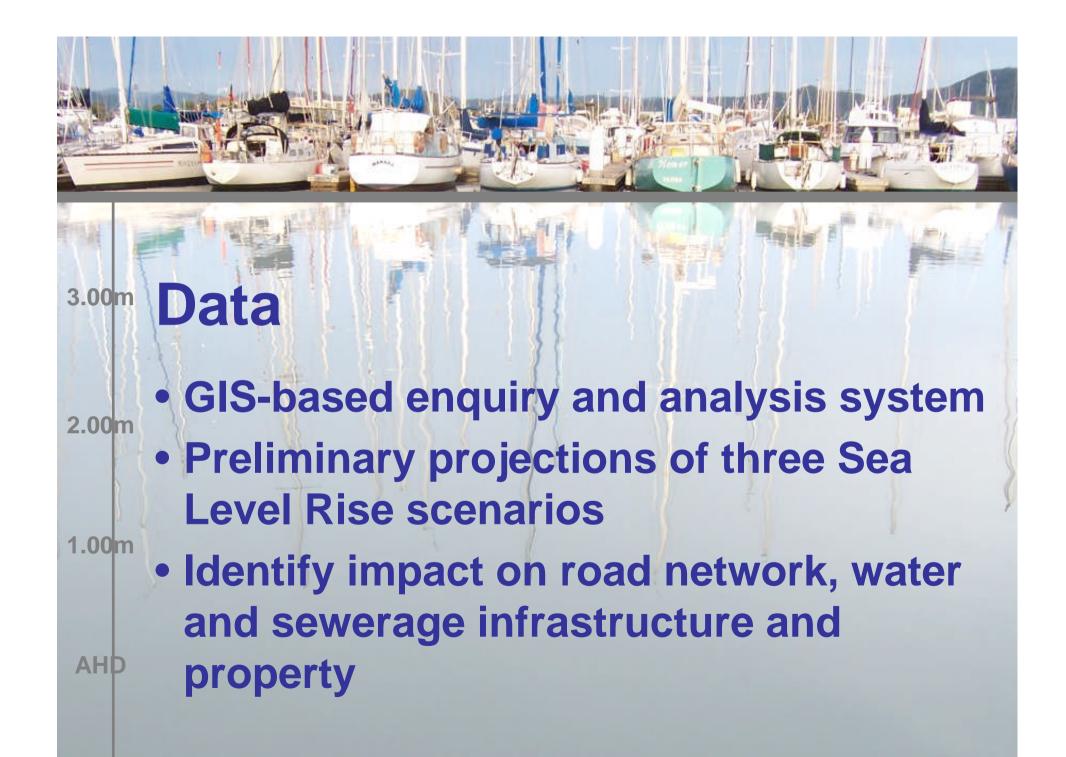
 Use ALS / LIDAR survey data for three sea level rise scenarios

Preliminary assessment of affected infrastructure and properties

1.00m

AHD







Estimated infrastructure affected by Sea Level Rise (Above AHD)

3.0	Sea Level Rise	Sewage Lines (m)	Sewage Pump Stations	Sewage Rising Mains (m)	Road Network	Properties	Water Lines (m)
2.0	1m	73.98	0	921	1 (2m)	382	530
1.0	2m	2,169	3	3,265	9 (1.44km)	736	3,049
Al	3m	14,238	18	10,582	98 (17.1km)	1,517	15,537

Note: 1 metre above AHD is about equal to a current 2 metre high Spring Tide



