

## Te Awanga

### Setting

Small residential community situated on crest of shingle beach system. Shoreline position and flooding potential at this location also influenced by position and status of the mouth of Maraetotara River.

Shoreline trends are inferred from HB2. High erosion and inundation risk resulted in a variety of shoreline protection options, currently in degraded state and of dubious effectiveness.



Hazard Description		Potential Risk		
		Likelihood	Consequence	Risk
CERZ	44.0 m			
ERZ 2060	18 m	Unlikely	Catastrophic	Extreme
ERZ 2100	17 m	Possible	Catastrophic	Extreme
Total Erosion Zone width	79 m	Likely	Major	Extreme
Sea Inundation level (CERZ)	14.9 m	Certain	Major	Extreme
Sea Inundation level landward of CERZ	13.5 m			

### Uncertainties

Uncertainties over future climate change impacts

### Recommendations

- No new council infrastructure or new private development to be located within the CERZ
- Consider replacement of failing coastal protection structures with beach replenishment or managed retreat
- All new private development within remaining Erosion Hazard Zone to be relocatable and above inundation levels or be provided with flood protection bund subject to confirmation of no adverse effect on catchment flooding.
- No further modification of land designation permitted in currently non-residential zoned land within hazard zones
- Monitor shoreline change

**LEGEND**

- BM11      Benchmarks
- Coastline
- Current Erosion Risk Zone
- - -        Erosion Risk Zone 2060
- · - · -    Erosion Risk Zone 2100
- River Mouth
- CRS Property Boundaries
- - -        Industrial /Residential Areas

SCALE 1: 10,000

0    100    200    300    400    500 (m)



Notes: 1. Coastal property boundaries supplied by HBRC (DCDB)  
 2. Aerial photos\Topomaps sourced from Land Information New Zealand Data, Crown Copyright Reserved

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DRAWN	BKD	Sep.03
DRAFTING CHECKED		
APPROVED		
CADFILE :		
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SCALES (AT A4 SIZE)		
1: 10 000		
PROJECT No.	205 14	

**HAWKES BAY REGIONAL COUNCIL**  
**REGIONAL COASTAL HAZARD ASSESSMENT**  
**HAZARD ZONE DEFINITIONS**  
 Te Awanga