

Whangawehi

Setting

Whangawehi is situated on the northern slopes of Mahia Peninsula and is sheltered from the large southerly swells. The shoreline comprises narrow sandy perched beaches backed by relatively erodible sloping cliffs. Erosion of the shoreline appears to be controlled by cliff erosion



Coastal hazard setbacks are controlled by cliff erosion hazard widths. A variety of seawall structures are evident to protect the road reserve. Road access protection is likely to be the main requirement for erosion protection.

Hazard Description

Potential Risk

		Likelihood	Consequence	Risk
Total Erosion Zone width	250 m	Unlikely	Catastrophic	Extreme
Sea Inundation level (CERZ)	16.3 m	Possible	Major	Extreme
Sea Inundation level landward of CERZ	14.0 m	Likely	Moderate	High
		Certain	Minor	High

Uncertainties

Inferred trends due to no local data

Uncertainties over future climate change impacts

Recommendations

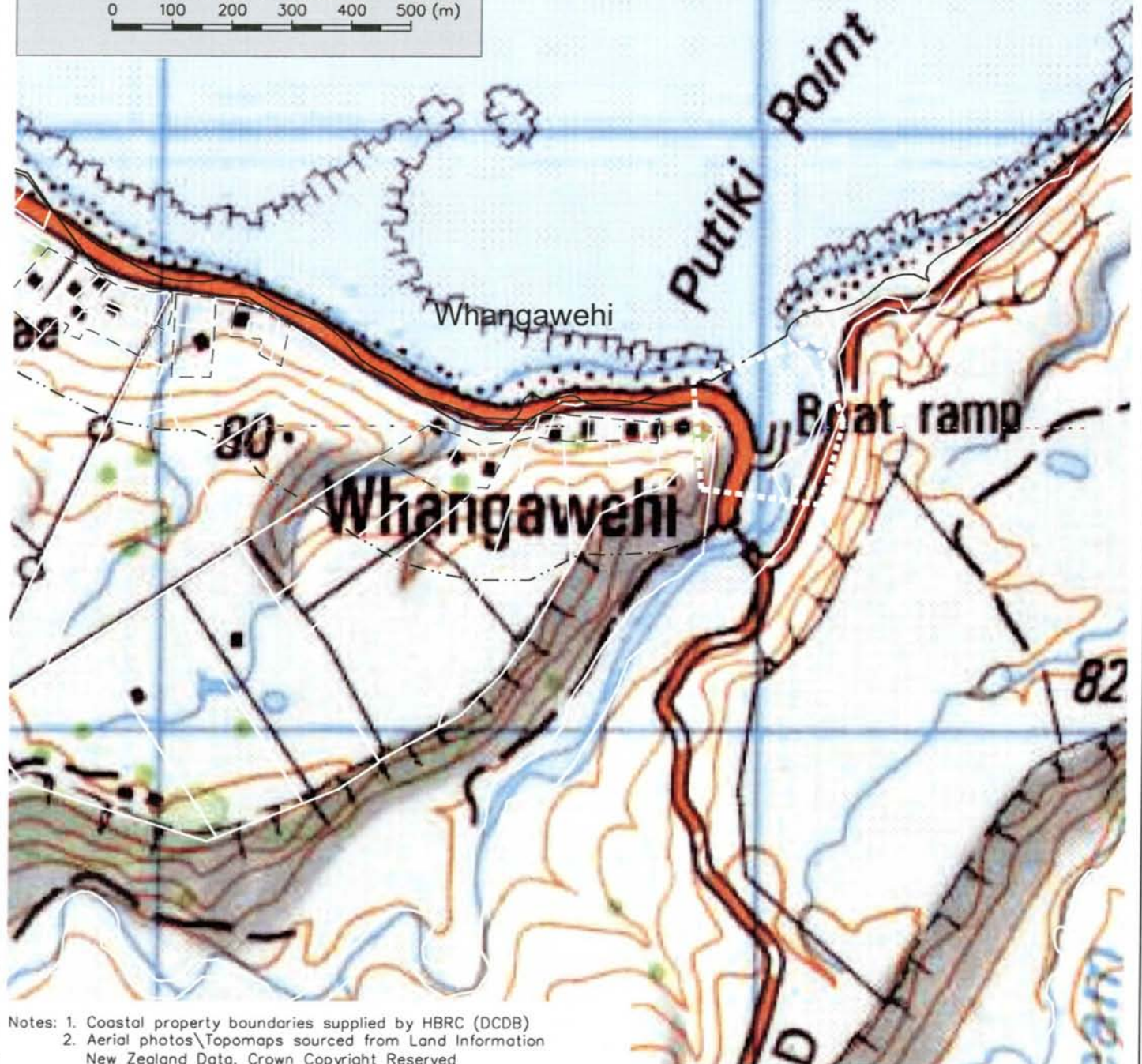
- No new council infrastructure or new private development to be located within the CERZ
- New development within erosion zone subject to satisfactory site specific assessments
- No further modification of land designation permitted within hazard zones without site specific assessment
- Investigate headland control options combined with sand transfer and or beach nourishment in combination with limited extents of seawall where appropriate
- Monitor shoreline change

LEGEND

- Baseline
- Current Erosion Risk Zone
- - - Erosion Risk Zone 2060
- · - · Erosion Risk Zone 2100
- · - · Erosion Zone Cliff shores
- ⋯ 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

L:\205 14\205 14-F7.dwg 7.33_30-Jun-04 - 5:56pm BKD



Tonkin & Taylor
 Environmental & Engineering Consultants

Hamilton Auckland Christchurch
 Nelson Wellington Whangarei

DRAWN	BKD	Sep.03
DRAFTING CHECKED		
APPROVED		
CADFILE : L:\205 14\205 14-F7		
SCALES (AT A4 SIZE)		
1: 10 000		
PROJECT No.	205 14	

HAWKES BAY REGIONAL COUNCIL
 REGIONAL COASTAL HAZARD ASSESSMENT
 HAZARD ZONE DEFINITIONS
 Whangawehi