

Whirinaki

Setting

Whirinaki is an extension of the coastal ribbon development between SH2 and the coast, bounded by Esk River and the confluence of Pakuratahi and Te Ngaru Streams. Shoreline trends suggest extensive fluctuations but are anticipated to be dynamically stable to slight erosional over time.

No foreshore protection structures are evident, although coast care/access control is used to enhance vegetation of the dune crest.



Shoreline trends are inferred from profile HB19 and HB21.

Hazard Description

Potential Risk

CERZ	67 m to 86 m	Likelihood	Consequence	Risk
		ERZ 2060	26 m	Unlikely
ERZ 2100	15 m to 17 m	Possible	Moderate	High
Total Erosion Zone width	110 m to 121 m	Likely	Minor	High
Sea Inundation level (CERZ)	15.3 m to 15.5 m	Certain	Minor	High
Sea Inundation level landward of CERZ	13.7 m to 13.8 m			

Uncertainties

Uncertainties over future climate change impacts

Recommendations

- No new council infrastructure or new private development to be located within the CERZ
- 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.
- Dune crest enhancement/vegetation control
- No further modification of land designation permitted in currently non-residential zoned land within hazard zones

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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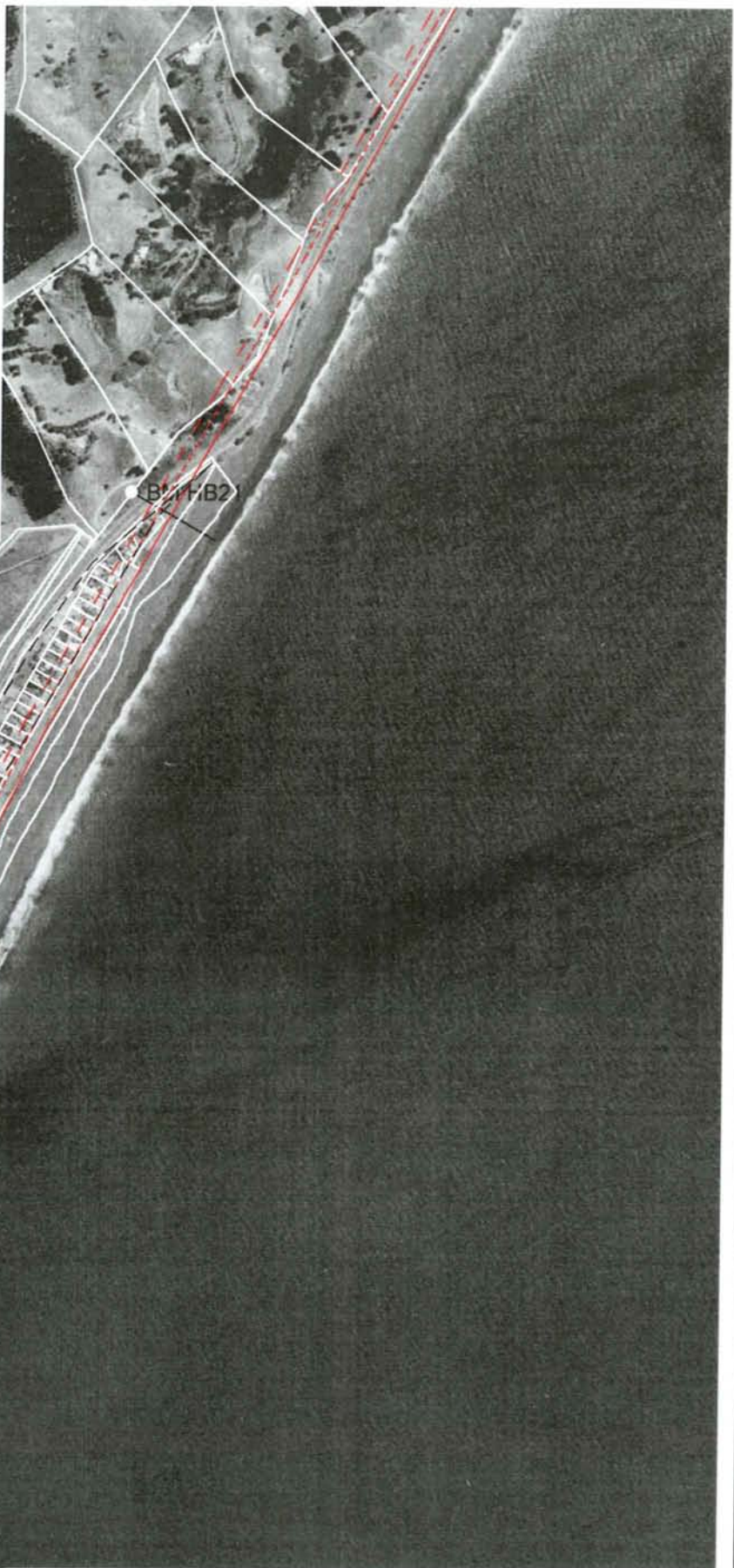
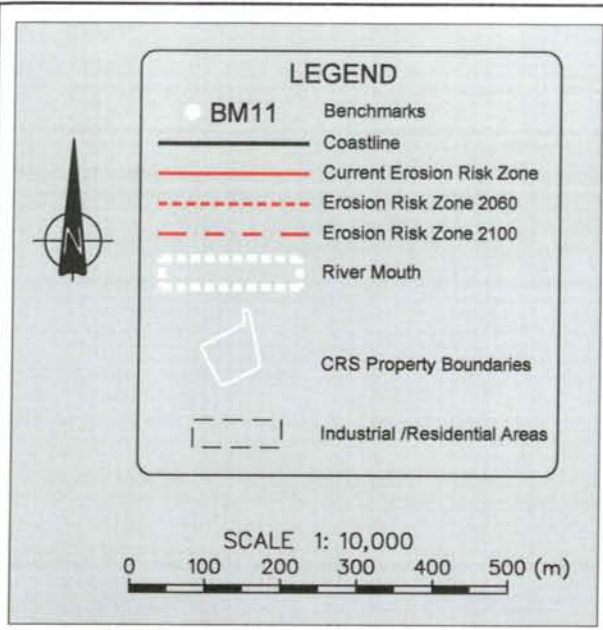
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HAWKES BAY REGIONAL COUNCIL
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 HAZARD ZONE DEFINITIONS
 Whirinaki (Sheet 1 of 2)

FIG. No. **Figure 7.23**

REV. 1



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FIG. No. Figure 7.24

REV. 1