

Ocean Beach

Setting

The existing settlement situated to the south of Waipuka stream is formed on low-lying reasonably broad alluvial plains. It is an area of high natural character. From visual inspection it would appear that the majority of dwellings are situated on outcrops of soft erodible rock at the base of sloping hills.

Generally development is elevated away from the stream, but low lying around the edges of the stream. Erosion is expected to be episodic, due both to longshore and cross-shore movements of sand. However, erosion is restricted due to the soft rock underlying the more mobile sands.



Hazard Description

Potential Risk

Hazard Description		Potential Risk		
		Likelihood	Consequence	Risk
CERZ	43 m	Rare	Major	High
ERZ 2060	15 m			
ERZ 2100	16 m	Unlikely	Major	High
Total Erosion Zone width	75 m			
Sea Inundation level (CERZ)	16.2 m	Possible	Moderate	Moderate
Sea Inundation level landward of CERZ	14.0 m			
		Likely	Moderate	Moderate

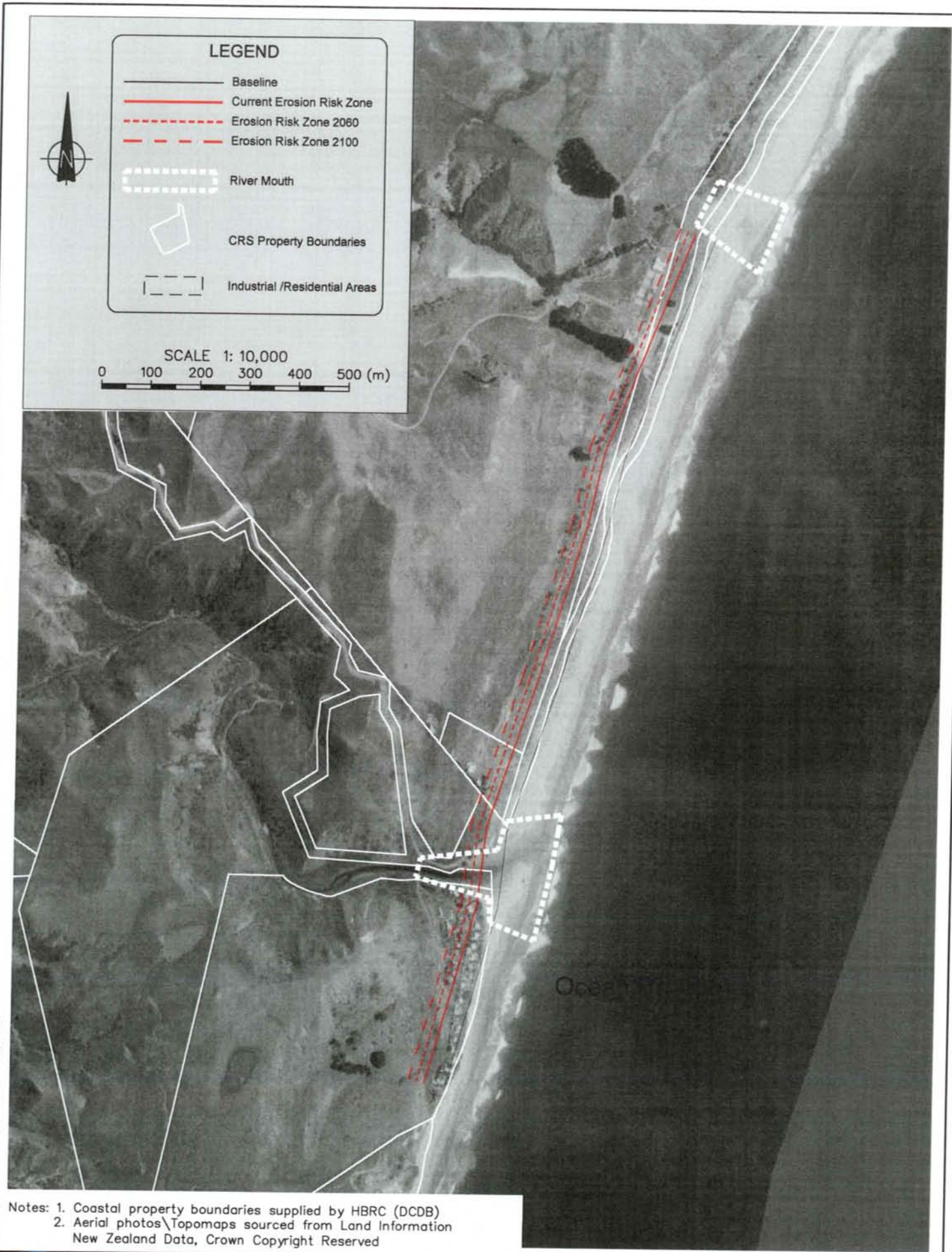
Uncertainties

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
- All new private development within remaining Erosion Hazard Zones to be relocatable and above inundation levels.
- No further modification of land designation permitted in currently non-residential zoned land within hazard zones
- Ensure maintenance and good condition of existing protection structures
- Monitor shoreline change



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 7:10 02-Feb-04 - 7:53am 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
 Ocean Beach