

## Maungawhio Lagoon/Oraka Beach

### Setting

A small residential development is set along the left bank of the outlet to Maungawhio Lagoon. The area is sensitive to shoreline change largely due to the fluctuating position of the entrance.

Numerous shoreline protection structures are evident protecting the existing dwellings.



### Hazard Description

### Potential Risk

		Potential Risk		
		Likelihood	Consequence	Risk
CERZ	43.0 m	Unlikely	Major	High
ERZ 2060	14 m			
ERZ 2100	16 m	Possible	Major	Extreme
Total Erosion Zone width	73 m	Likely	Moderate	High
Sea Inundation level (CERZ)	16.3 m			
Sea Inundation level landward of CERZ	14.0 m	Certain	Minor	High

### Uncertainties

Inferred trends due to no local data

Uncertainties over future climate change impacts

### Recommendations

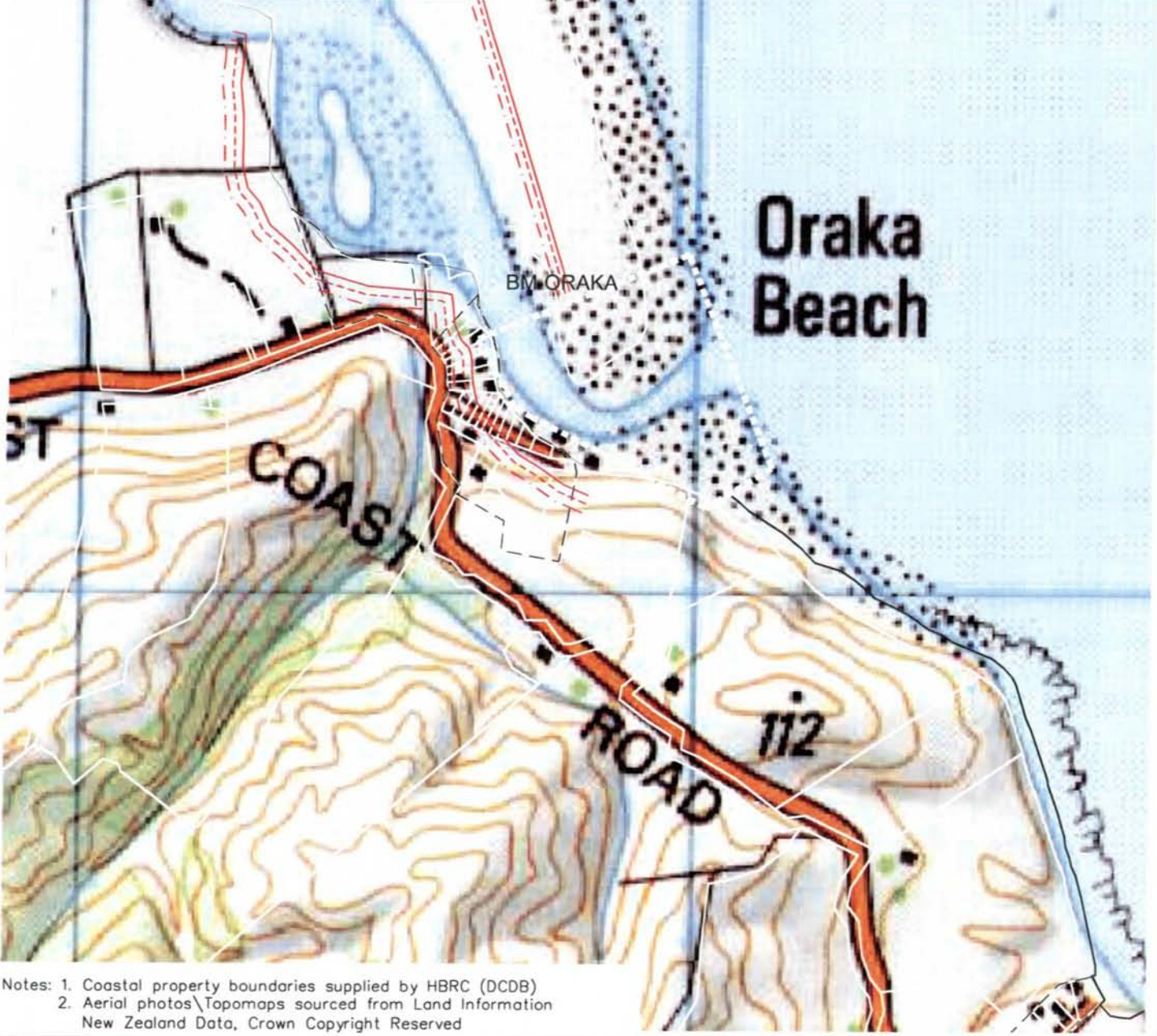
- No new council infrastructure or new private development to be located within the CERZ
- All new private development within Erosion Hazard Zone to be relocatable and above inundation levels.
- No further modification of land designation permitted within hazard zones
- Investigate seawall/revetment options with vegetation of upper bank to hold current shoreline position for community implementation
- Monitor shoreline change

**LEGEND**

- Baseline
- 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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**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  
 Oraka Beach

FIG. No. Figure 7.34

REV. 1