# A coastline of deposition



eroded, in many other areas the sea continually creates new Just as in many parts of the world coastlines are constantly being

# **Coastal deposition in New Zealand**

New Zealand. It is a stable area of land that has developed as a Omara Spit is located on the north-eastern coast of North Island, provides shelter for the harbour of Whangapoua. ideal location for the development of a major golf resort and it result of marine deposition. Its gentle, low relief has made it an

### activities along this coastline. to discover more about people's is used. Use Google Street View of North Island, New Zealand some ways in which this part The Ordnance Survey map shows



## Omara Spit, North Island, New Zealand

help you answer these questions. See section 4.1 on page 197 and section 4.4 on pages 220-21 to



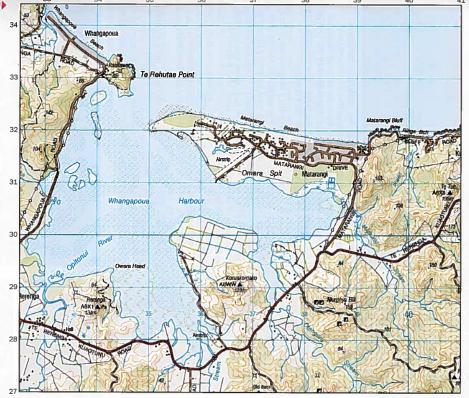
## Now Investigate

- Match each of these grid references to one of the coastal features:
- 340326 355322 378321
- beach island spit
- 2 List as many pieces of map evidence as you can which prove that the feature between 350320 and 390313 has existed for many years.
- Locate grid references 331343 and 358315.
- For each of these sites, state whether it is likely to be a zone of erosion or deposition.
- Give reasons to support your answers.
- Te Rehutae Point. Suggest reasons why there is a headland at

- 5 a Draw a sketch map of the depositional feature between grid references 350320 and 390314.
- longshore drift. Annotate your sketch to show the most the movement of beach materials due to likely direction of the prevailing wind and
- Add key information about natural vegetation and human activity in the area.

Use your sketch to help you describe how

- Give reasons why the sheltered area behind the depositional features such as this are formed. feature is 'swamp' land.
- Produce a short case study of a bar or a tombolo. main depositional features. Include an annotated sketch of its location and its



B Ordnance Survey map extract showing part of North Island, New Zealand, 1:50000 scale



Mangroves	Orchard or vineyard	Trees	Shelter belt	Scattered scrub	Scrub	Exotic non-coniferous forest	Exotic coniferous forest	Native forest
A				からないという		0000000		

зу	water, wharf, jetty	amp	***************************************	B	 and mud	or reef	al rocks
A	1	TIL					~