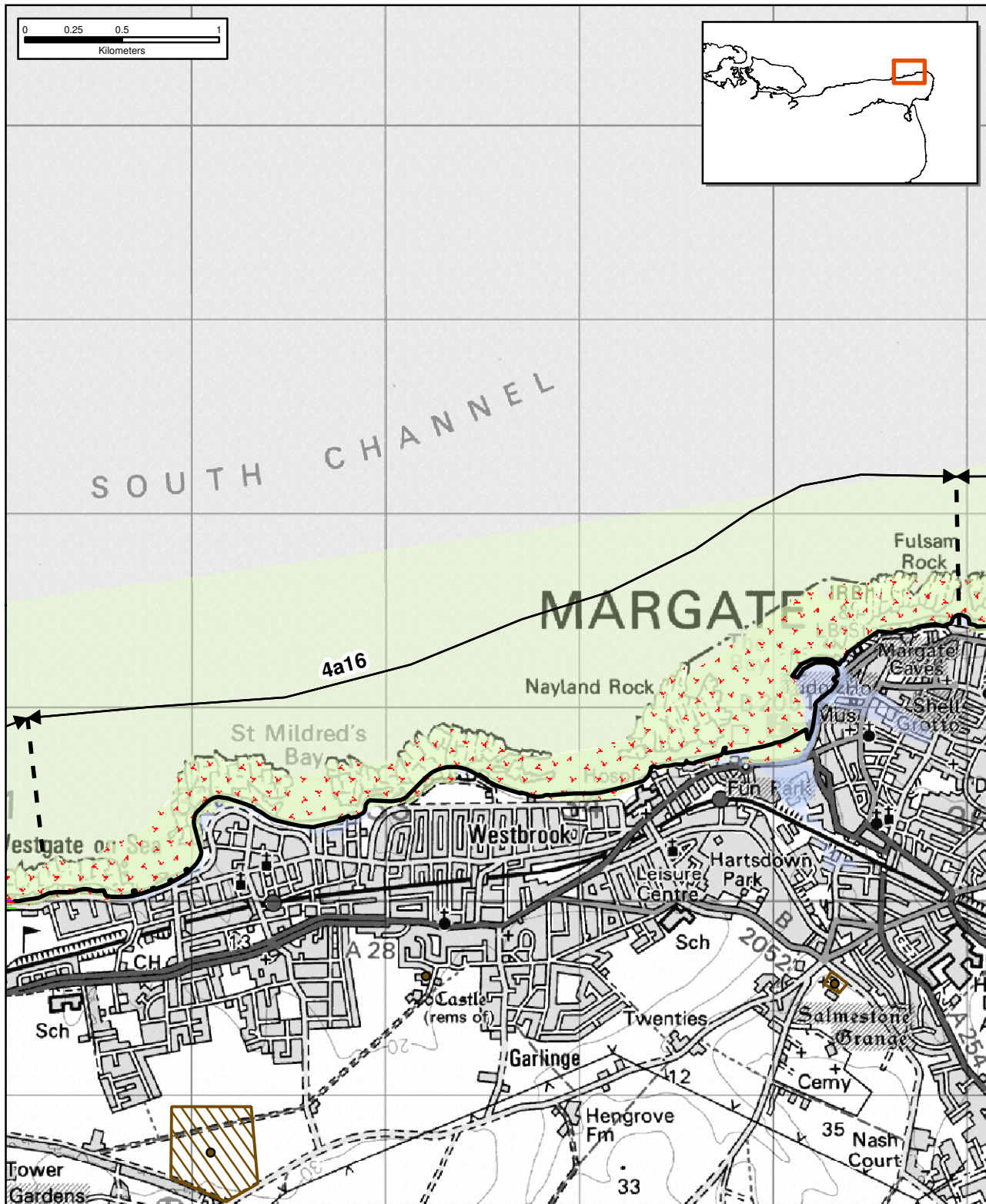
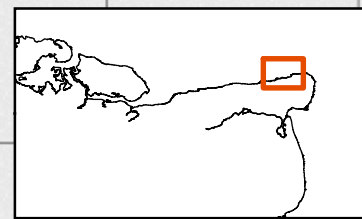
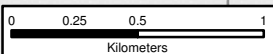


Isle of Grain to South Foreland Shoreline Management Plan

Policy Unit 4a 16: Margate Map 1



Policy

From Present Day:	Medium-Term:	Long-Term:
Hold the Line	Hold the Line	Hold the Line

Erosion Lines

- 0-20 year erosion
- 20-50 year erosion
- 50-100 year erosion

- Hold the Line (0-100 years)
- Policy Unit Boundary



Potential maximum long-term realignment option



2005 Indicative floodplain © Environment Agency

Environmental/Cultural Heritage

- National Nature Conservation Designation
- International and National Nature Conservation Designation
- Important Heritage Sites (Scheduled Monuments)

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Location reference: Margate

Policy Unit reference: 4a16

SUMMARY OF THE PLAN AND JUSTIFICATION

Plan:

This is a dense urban development fronted by a popular tourist beach that is also of international landscape and conservation importance. The plan is to continue protecting the frontage of this important town. The seafront is of great economic value due to tourism and as such, protecting the amenity assets and associated infrastructure is critical. As sediment supply to this frontage is low and the shoreline is held seawards of its natural alignment, narrowing of the beach and inter-tidal area are anticipated. Subsequently significant amounts of beach nourishment will be required if an amenity beach is to be maintained in the latter epochs.

Preferred policies to implement Plan:

From present day: The present day policy is to **hold the line**, continuing to protect the densely populated town and substantial assets by maintaining the existing defences. With rates of sediment feed and transportation along this frontage being low, very little change in coastal processes or impacts on evolution are likely to occur within this epoch or indeed the timeframe of the SMP.

Medium-term: The medium term policy is to continue to **hold the line**. In response to sea level rise it is anticipated that the defence structures and the need for beach management will increase at some point during this period.

Long-term: The long-term policy for Margate is to **hold the line**. This is likely to be achieved by maintaining and upgrading the present defence structures. However, with the predicted rise in sea level and the existing defences fixing the plan form of the shoreline and the landward recession of the low water mark, it is predicted that the inter-tidal area will narrow. With little or no beach building material entering the system, retaining a beach in front of the substantial defence structures will become increasingly difficult. The situation will be exacerbated as sourcing suitable recharge material is likely to become problematic and expensive in the future. As such, the character of the town is likely to change if the characteristic sandy beaches within this policy unit cannot be maintained. In spite of this and in consideration of the need to prevent erosion of the chalk cliffs, this recommendation is deemed technically and environmentally viable for the duration of the Shoreline Management Plan.

Location reference:	Margate
Policy Unit reference:	4a16

IMPLICATIONS OF THE PLAN FOR THIS LOCATION

Time Period	Management Activities	Property, Built Assets and Land Use	Landscape	Nature Conservation	Historic Environment	Amenity and Recreational Use
2025	Maintain existing defences and current beach management practises.	Residential and commercial properties maintained.	Current landscape value maintained.	Current marine, inter-tidal and terrestrial habitats maintained.	Known heritage assets will be maintained. Some unknown heritage assets may be exposed / lost.	Current amenity and recreational facilities maintained
2025 – 2055	Maintain / upgrade engineering and management practises to compensate for sea level rise and beach narrowing.	Residential and commercial properties maintained.	Increased engineering may have an adverse effect on the landscape and townscape	Current terrestrial habitats will be maintained but the inter-tidal habitats will be at risk.	Known heritage assets will be maintained. Some unknown heritage assets may be exposed / preserved / lost.	Recreational value will be reduced due to denuding beach
2055 – 2105	Maintain / upgrade engineering and management practises to compensate for sea level rise and beach narrowing.	Residential and commercial properties maintained.	Increased engineering is likely to have an adverse effect on the landscape and townscape	Current terrestrial habitats will be maintained but the inter-tidal habitats will be at risk.	Known heritage assets will be maintained. Some unknown heritage assets may be exposed/ preserved / lost.	Unless artificially maintained, little / no recreational beach will remain.