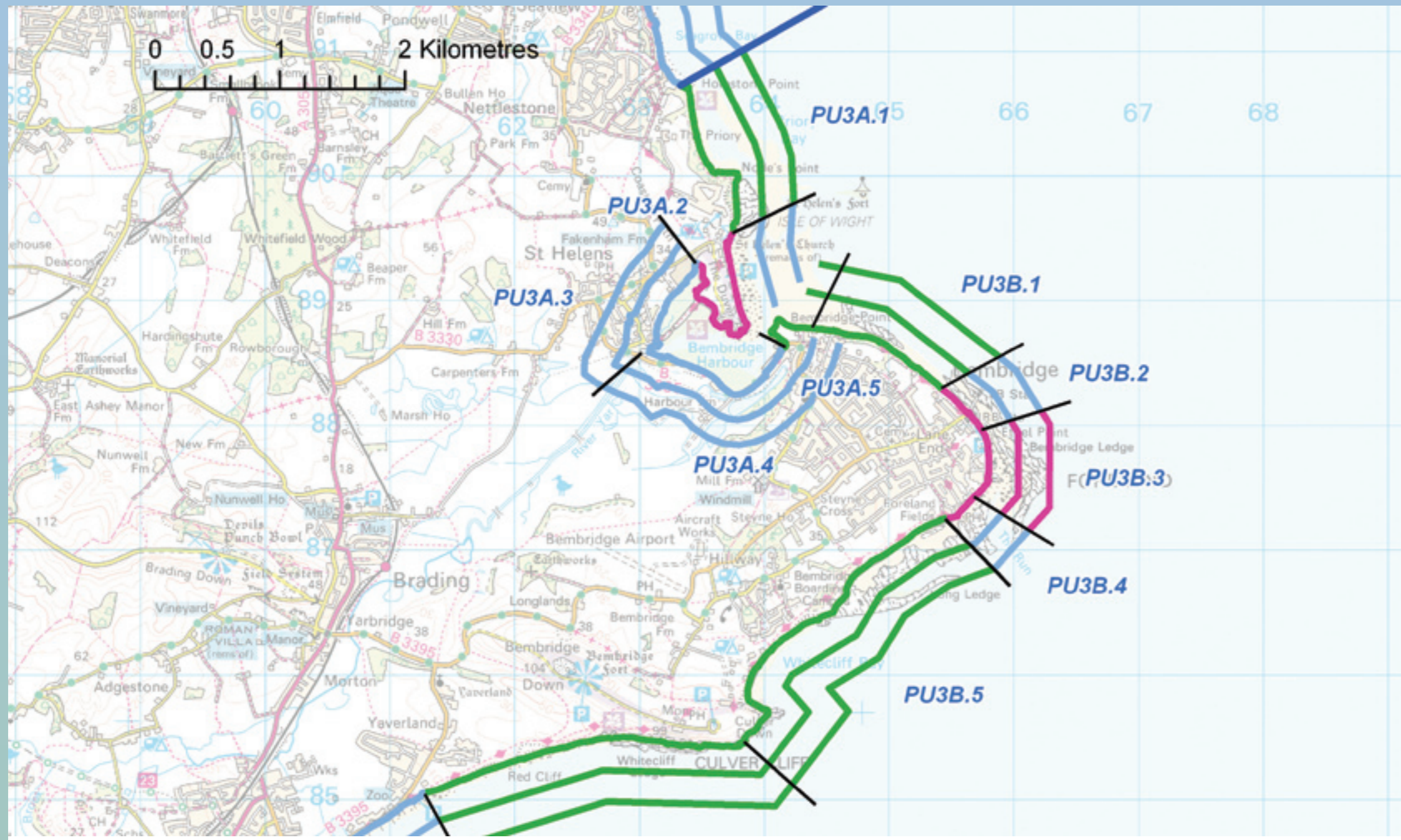
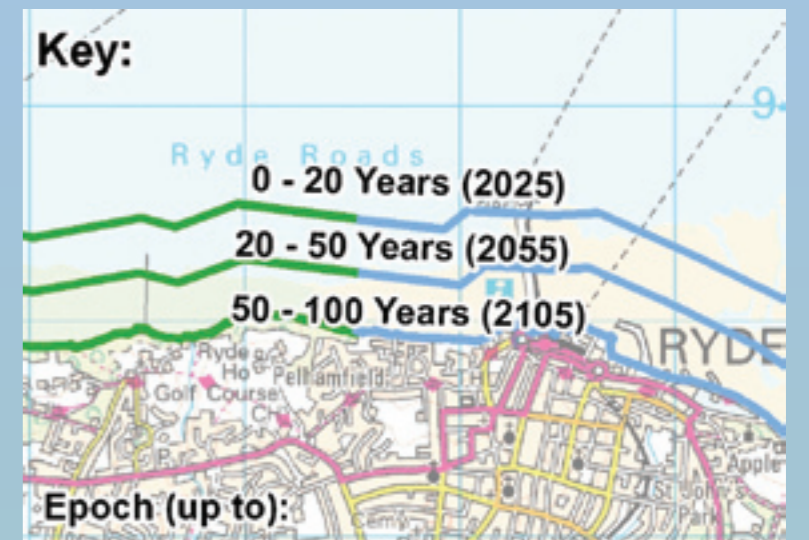


Bembridge, Forelands and Whitecliff Bay

Bembridge Ledges from Culver Down



- Policy**
- Hold the Line
 - Advance the Line
 - Managed Realignment
 - No Active Intervention
- NB. Lines show draft policy choices not defence structures
- Policy Unit eg. **PU 2A.1**
 - Policy Development Zone (PDZ)



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Bembridge

Shoreline Management Plan - Proposed Policies:

Much of the frontage from Bembridge to Whitecliff Bay is of international importance for nature conservation, particularly the foreshore and Bembridge Ledges (nearshore reefs), which also provide important erosion protection. The cliffs of Whitecliff Bay are subject to active slumping and erosion of the toe of the coastal slope, and together with the erosion of the low cliffs around to Bembridge provide important sediment supply both locally and as a feed

towards Bembridge Harbour. The rock outcrop has retained sediment along the backshore and local defences have been constructed taking advantage of this. There will be increased pressure on existing defences with sea level rise as the rock outcrop becomes progressively submerged and due to outflanking as adjacent undefended sections of coast erode back. The intent of the plan is to maintain defence to local areas while sustainable to do so. However,

the longer term plan is to manage the natural retreat of the coast. This policy would support efforts to slow erosion through recharge of sediments, where detailed study can demonstrate that this would not significantly impact nature conservation. It is important to maintain the general pattern of sediment drift along the frontage to the north and allow time for the community to adapt to long term coastal change.

PDZ 3	Present day: Years 0 - 20	Medium-term: Years 20 - 50	Long-term: Years 50 - 100
3B.1 Bembridge	No Active Intervention: Erosion on this coast is relatively slow with few assets at risk. The proposed policy here is no active intervention. This would not preclude maintenance of existing limited private defences although this should not impact on the nature conservation interest or impose a constraint on sediment supply to the north.		
3B.2 Lane End	Hold the Line: Existing defences to be maintained in the short and medium term. The plan is to make best use of the current defences. There is not the intent to significantly raise defences, or to extend them beyond their present length.		Managed Realignment: In the long term there would continue to be management of the area to slow erosion but with no intent to construct new hard defences. As existing defences fail, managed realignment would be implemented. The aim would be to increase the time before property was affected or lost and to maintain local use of the frontage. Continued monitoring will provide improved advice to property owners as to when property might be lost.
3B.3 Foreland	Managed Realignment: Manage sediment drift locally to slow erosion through beach management, without impacting on sediment drift to the north and nature conservation values.		
3B.4 Foreland Fields	Hold the Line: Existing defences to be maintained in the short and medium term. The plan is to make best use of the current defences. There is not the intent to significantly raise defences, or to extend them beyond their present length.		
3B.5 Whitecliff Bay	No Active Intervention: The important geological, nature conservation interest and landscape of the area supports a continued policy of no active intervention in this area of high, actively retreating cliffs. Adaptation to cliff top retreat will be required.		

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