

APPENDIX C BASELINE PROCESS UNDERSTANDING

Appendix C Introduction

This Appendix presents our understanding of the baseline physical processes at work on the shore and estuaries.

The appendix is split into four parts.

Part 1: Defences Assessment: this summarises the coast protection and sea defence structures in the study area.

Part 2: ABPmer Estuaries Report. This includes the following

- Baseline Understanding: baseline understanding of coastal behaviour and dynamics in relation to the estuaries.
- Estuaries assessment: to assess the need (or otherwise) for the inclusion of three specific estuaries in the study area within the SMP process. An assessment has been undertaken and conclusions provided for the following estuaries:
 - (1) The Fal and Truro Rivers;
 - (2) The Camel Estuary; and
 - (3) The Fowey.
- Baseline Scenarios (No Active Intervention and With Present Management Assessment) for the three estuaries above: appreciation of how the shoreline is behaving and the influence that shoreline management has on this behaviour. Tables have been created with the aim of developing an understanding of the coastal evolution within three epochs. The epochs are 0-20 years (to 2025), 20-50 years (to 2055) and 50-100 years (to 2105). Two scenarios have been assessed as part of this investigation:
 - 'No Active Intervention', which assumes that the defences are no longer maintained and will fail over time; and
 - 'With Present Management', which assumes that all defences are maintained to provide a similar level of protection to that provided at present until the end of the first epoch.

Part 3: Coastal Processes Report for the whole coastline and estuaries not covered by ABPmer. This provides the baseline understanding of coastal behaviour and dynamics.

Part 4: Baseline Scenarios (No Active Intervention and With Present Management Assessment) of the remaining coastline and estuaries: appreciation of how the shoreline is behaving and the influence that shoreline management has on this behaviour. Tables have been created with the aim of developing an understanding of the coastal evolution within three epochs. The epochs are 0-20 years (to 2025), 20-50 years (to 2055) and 50-100 years (to 2105). Two scenarios have been assessed as part of this investigation:

- 'No Active Intervention', which assumes that the defences are no longer maintained and will fail over time; and
- 'With Present Management', which assumes that all defences are maintained to provide a similar level of protection to that provided at present until the end of the first epoch.

An explanation of the method for generating this information is provided in Chapter 3.