North Solent Shoreline Management Plan

Appendix C: Baseline Process Understanding

CONTENTS

C1 ASSESSMENT OF SHORELINE DYNAMICS

C1.1 Introduction

C1.2 SMP overview

- C1.2.1 Geology
- C1.2.2 Holocene evolution
- C1.2.3 Wave climate
- C1.2.4 Tidal currents
- C1.2.5 Sea level rise
- C1.2.6 Extreme Water Levels
- C1.2.7 Inter-tidal habitats
- C1.2.8 Vegetated Shingle and Sand Dune
- C1.2.9 Cliffs
- C1.2.10 Beaches

C1.3 Large / Regional scale

- C1.3.1 West Solent
- C1.3.2 Southampton Water
- C1.3.3 East Solent

C1.4 Local Scale

- C1.4.1 Hurst Spit to Calshot Spit
- C1.4.2 Southampton Water (Calshot Spit to River

Hamble, including the Lower Test, River Itchen and River Hamble)

- C1.4.3 River Hamble to Portsmouth Harbour entrance
- C1.4.4a Portsmouth Harbour entrance to West Wittering (Portsmouth, Langstone and Chichester Harbours)
- C1.4.4b Portsmouth Harbour entrance to West Wittering (Portsmouth, Langstone and Chichester Harbours)
- C1.4.5 West Wittering to Selsey Bill (including Pagham Harbour)

C1.5 References

C2 DEFENCE ASSESSMENT

C2.1 Introduction

ANNEX C2.1 LOCATION, TYPE, RESIDUAL LIFE AND CONDITION OF EXISTING KNOWN DEFENCES

ANNEX C2.2 MAINTENANCE RESPONSIBILITY AND COASTAL LANDOWNERSHIP MAPS

C3 SCENARIO REF: BASELINE CASE 1 - NO ACTIVE INTERVENTION

C3.1 Introduction

C4 SCENARIO REF: BASELINE CASE 1 – WITH PRESENT MANAGEMENT

C4.1 Introduction

C5 SUPPORTING INFORMATION

C5.1 Introduction and overview

C5.2 Tidal flooding
C5.2.1 Tidal Flooding Method
C5.2.2 Tidal Flooding Maps and Tables

C5.3 Inter-tidal habitat evolution

C5.4 Coastal erosion

ANNEX C5.1 No Active Intervention and With Present Management mapping

The Supporting Appendices

All information used to support the Shoreline Management Plan is contained in a series of Appendices. In this way there is clarity in the decision-making process and the rationale behind the policies being promoted is both transparent and auditable. The appendices are:

Appendix	Subject	Detail
A	SMP Development	Reports the history of development of the SMP, describing fully the plan and policy decision-making process
В	Stakeholder Engagement	All communications from the stakeholder process are provided here, together with information arising from the consultation process
С	Baseline Process Understanding	Includes a baseline process report, defence assessment, NAI and WPM assessments and summarises data used in assessments
D	Theme Review	This report identifies and evaluates the environmental features (human, natural, historical and landscape)
E	Issues & Objective Evaluation	Provides information on the issues and objectives identified as part of the Plan development, including appraisal of their importance
F	Initial Policy Appraisal & Scenario Development	Presents the consideration of generic policy options for each frontage, identifying possible acceptable policies, and their combination into 'scenarios' for testing
G	Scenario Testing	Presents the policy assessment and appraisal of objective achievement towards definition of the Preferred Plan
Н	Economic Appraisal & Sensitivity Testing	Presents the economic analysis undertaken in support of the Preferred Plan
I	Metadatabase and Bibliographic database	All supporting information used to develop the SMP is referenced for future retrieval and examination
J	Appropriate Assessment	Presents an assessment of the effect the plan will have on European sites.
К	Strategic Environmental Assessment	Presents the various items undertaken in developing the Plan specifically related to the requirements of the EU Council Directive 2001/42/EC (Strategic Environmental Assessment Directive)
L	Water Framework Directive Assessment	Presents an assessment of the implications of the Water Framework Directive

The broad relationships between the appendices are as below:

