



Severn Estuary Shoreline Management Plan Review

Appendix K: Bibliographic
Database



ATKINS

Severn Estuary Shoreline Management Plan Review (SMP2)



Appendix K : Bibliographic Database

June 2010

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Contents

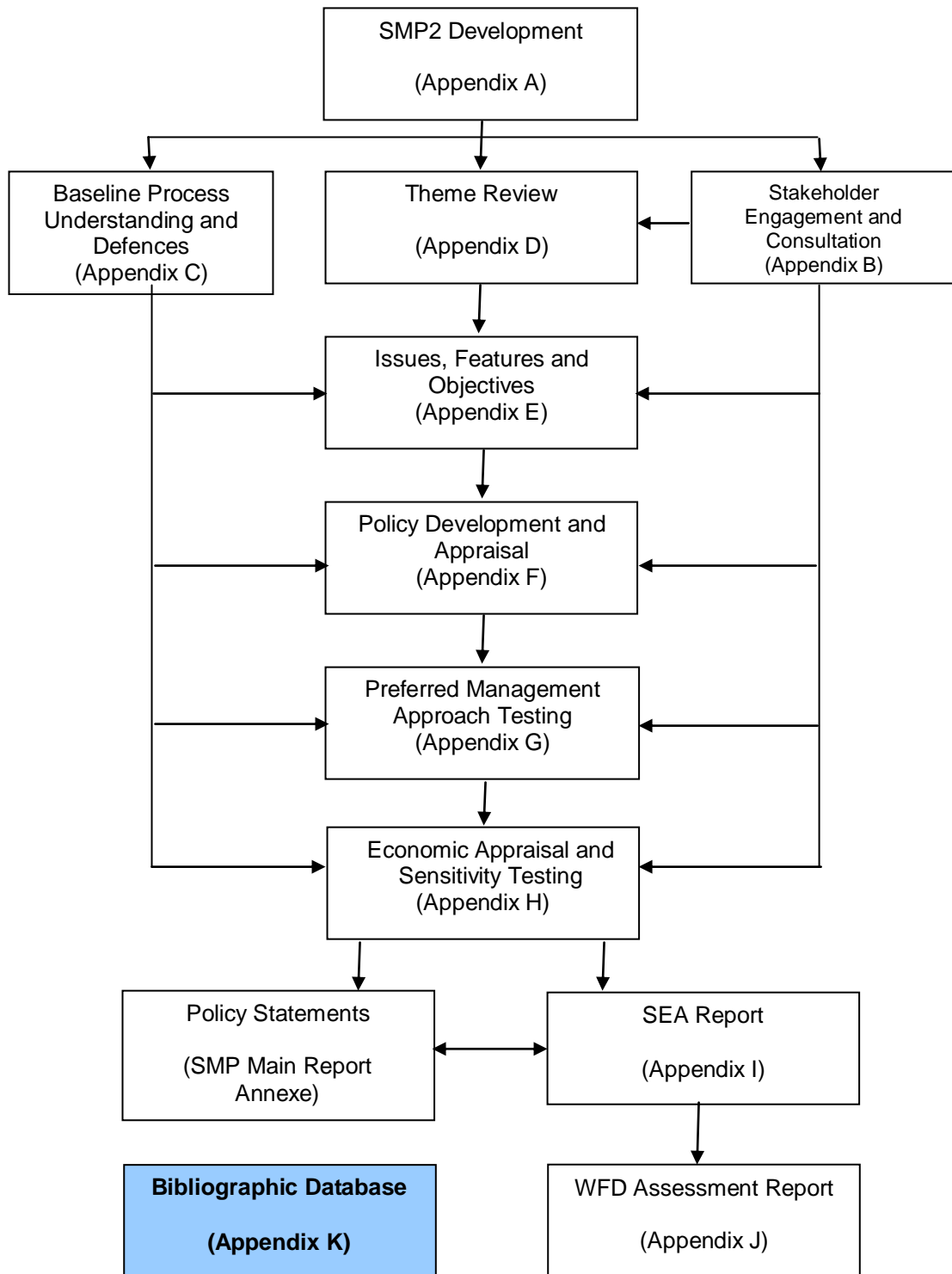
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Supporting Appendices

Information required to support the Severn Estuary Shoreline Management Plan Review (SMP2) is provided in the following appendices. These supporting documents offer transparency to the decision making process that is undertaken, leading to explanations and reasoning for the promoted policies.

A: SMP2 Development	The history, structure and development of the SMP are detailed in this report. The investigation and decision making process are explained more fully to outline the procedure to setting policy.
B: Stakeholder Engagement and Consultation	Stakeholder communication is continuous through the SMP2 process, comments on the progress of the management plan are recorded within Appendix B.
C: Baseline Understanding of Coastal Behaviour and Dynamics, Coastal Defences and Baseline Scenario Report	This report includes detail of coastal dynamics, defence data and shoreline scenario assessments of NAI (No Active Intervention – defences are not maintained, repaired or replaced allowing the shoreline to evolve more naturally) and With Present Management (WPM) i.e.: SMP1 Policy.
D: Theme Review	The identification and evaluation of the natural landscape and conservation, the historic environment and present and future land use of the shoreline.
E: Issues, Features and Objectives	The features of the shoreline are listed within this report. A series of strategic objectives are then set along with commentary on the relative importance of each feature identified.
F: Policy Development and Appraisal	Presents the consideration of generic policy options for each frontage identifying possible acceptable policies and their combination into 'Management Approaches' for testing. Also presents the appraisal of impacts upon shoreline evolution and the appraisal of objective achievement.
G: Preferred Policy Management Approach Testing	Presents the policy assessment of appraisal of objective achievement towards definition of the Preferred Plan (as presented in the Shoreline Management Plan document).
H: Economic Appraisal and Sensitivity Testing	Presents the economic analysis undertaken in support of the Preferred Plan.
I: Strategic Environmental Assessment Report	Presents the various items undertaken in developing the Plan that specifically relate to the requirements of the EU Council Directive 2001/42/EC (the Strategic Environmental Assessment Directive), such that all of this information is readily accessible in one document. This includes work to help towards a Habitat Regulatory Assessment (HRA).
J: Water Framework Assessment Report	Provides a retrospective assessment of the policies defined under the Severn Estuary SMP2 highlighting future issues for consideration at policy implementation stage.
K: Bibliographic Database	All supporting information used to develop the SMP is references for future examination and retrieval.

The information presented in each appendix is supported and guided by other appendices; the broad relationships between the appendices are illustrated overleaf.



Overview to the Appendix

This appendix is divided into 2 Parts:

- Part A – Documents and Reports
- Part B – Metadata or Digital Information

Part A includes a list of the key references used in the production of the Severn Estuary SMP2 reports and appendices. The bibliographic report is separated based on the reports produced. The reports listed below represent documents, sources of information or published papers that have been referred to throughout the study, though not necessarily cited.

Part B includes all geographically referenced or mapped data used with this SMP.

Full details on the consultation documents can be found on the SECG website, <http://www.severnestuary.net/secg/smpr.html#2>

1. PART A – Documents and Report

1.1 Main SMP2 Document

Burgess, KA and Townend, I.H. (2004). '**The Impact of Climate Change Upon Coastal Defence Structures.**' 39th Defra Conference of River and Coastal Engineers, Defra, London.

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1.2 WAG, (2008), '**Guidance for the Preparation of Shoreline Management Plan in Wales**.Appendix A: SMP2 Development

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1.4 Appendix C: Baseline Process Understanding

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1.7 Appendix F: Policy Development and Appraisal

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1.8 Appendix G: Preferred Scenario Testing

Defra (2006), '**Shoreline Management Plan Guidance, Volume 1: Aims and Requirements.**'

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1.9 Appendix H: Economic Appraisal and Sensitivity Testing

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2. Part B: Mapped Data

2.1 Main SMP Document – Policy Maps

Basemapping (Communication, Topography and Coastline). Map information based upon the Ordnance Survey, 1:50,000 & 1:250,000 Raster tiles (provided under licence, © Crown Copyright) Environment Agency Licence number 100026380, 20090901

Present Coastline. Defined from Ordnance survey mapping at 1:10,000

Indicative Erosion Lines. Data generated using Appendix C which contains the details of coastal dynamics, defence data and shoreline interactions that have supported the SMP2 development.

Indicative Erosion Zones. Data generated using Appendix C which contains the details of coastal dynamics, defence data and shoreline interactions that have supported the SMP2 development.

Change in MHWS Outlines. Data generated by calculating the change in MHWS using UKCIP02 predictions for sea level rise and information on the height of the land. More information on the figures used is contained in Appendix C.

National Nature Conservation Sites. For clarity of presentation, this combined datasets for National Nature Reserves & SSSI sites.

International and National Nature Conservation Designation. For clarity of presentation, this combined datasets for SPA, SAC & Ramsar sites.

Important Heritage Sites. For clarity of presentation, this included on Scheduled Ancient Monuments and Grade 2 listed buildings and above.

Policy Unit boundaries. These were defined as part of the SMP and mapped accordingly

2.2 'No Active Intervention' Flood and Erosion Maps

Basemapping (Communication, Topography and Coastline)

Map information based upon the Ordnance Survey 1:10,000 Raster Tiles (provided under licence, © Crown Copyright) Environment Agency Licence number 100026380, 20090901

Present Coastline. Defined from Ordnance survey mapping at 1:10,000

Indicative Erosion Lines. Data generated using Appendix C which contains the details of coastal dynamics, defence data and shoreline interactions that have supported the SMP2 development.

Indicative Erosion Zones. Data generated using **Appendix C** which contains the details of coastal dynamics, defence data and shoreline interactions that have supported the SMP2 development.

Change in MHWS Outlines. Data generated by calculating the change in MHWS using UKCIP02 predictions for sea level rise and information on the height of the land. More information on the figures used is contained in **Appendix C**.

2.3 Theme Maps

Data obtained from the MAGIC website. A number of data sets were obtained from the government website MAGIC (Multi-Agency Geographic Information for the Countryside). These datasets were obtained in 2009. Copyright information is available on the website:

www.magic.gov.uk

Data obtained from Countryside Council Wales. A number of data sets were obtained from Countryside Council for Wales (<http://www.ccw.gov.uk/>) These datasets were obtained in 2009:-

- ANOB;
- Country-Parks;
- Heritage Coast;
- Local Nature Reserves (LNR);
- National Parks;
- National Nature Reserves (NNR);
- Ramsar;
- Special Areas of Conservation (SAC);
- Special Protection Areas (SPA);
- Sites of Special Scientific Interest (SSSI).

Data obtained from Natural England. A number of data sets were obtained from Natural England. (<http://www.naturalengland.org.uk/>) These datasets were obtained in 2009:-

- ANOB;
- Country-Parks;
- Heritage-coast;
- Local Nature Reserves (LNR);
- National Parks;
- National Nature Reserves (NNR);
- Ramsar;
- Special Areas of Conservation (SAC);
- Special Protection Areas (SPA);
- Sites of Special Scientific Interest (SSSI);

Data obtained from CADW (Welsh Assembly Government) & Glamorgan Gwent Archaeology Trust (GGAT)

- Heritage Environment Records (HERS) were provided by CADW & GGAT;
- (<http://www.cadw.wales.gov.uk/>) & (<http://www.ggat.org.uk/>);
- HER Listed Buildings (Grades I,II & II*);
- Scheduled Ancient Monuments;
- Historic Parks & Gardens;
- Non – scheduled archaeological sites;

Data Obtained from English Heritage

- English Heritage/Gloucestershire County Council (2008), **Severn Estuary Rapid Coastal Zone** Assessment, Phase 1 Report Datasets

- Heritage Environment Records (HERS) were provided by English Heritage (<http://www.english-heritage.org.uk/>);
- HER Listed Building (Grades I,II & II*);
- Scheduled Ancient Monument;
- Historic Parks & Gardens;
- Non – scheduled archaeological sites.