

Appendix K

The GIS Viewer, Bibliographic and Metadatabase

1 INTRODUCTION

This Appendix provides an overview of the aims and objectives of the GIS Viewer, Bibliographic and Metadatabase deliverables and the method behind their development.

1.1 GIS Viewer

The GIS Viewer is available to the operating authorities on CD to assist their ongoing use of the SMP2.

The SMP2 provides a future management framework. It is accepted that our understanding of the coast can be improved, addressing the many areas of uncertainty that we are presently confronted with. There will also be changing circumstances not only as the coast evolves but as our use of the coast changes. During the development of the SMP, information on issues, on processes and our assumptions with respect to different aspects, such as the condition of defences or erosion rates, have been recorded.

This information is held within a GIS Viewer. This system links with the Plan. This means that when SMP3 is commissioned, information is readily available to this review process.

The aim of the GIS Viewer is to record spatial data used within the SMP using GIS-based viewing tool software. This includes all of the data gathered and created as part of the SMP2 process.

The overall aim of the GIS Viewer is to assist coastal managers in their management and decision-making, not only at national level but also in policy decisions at a local level. Managing and presenting the data for the new generation SMPs in digital format has been beneficial to coastal management as well as data management. It has moved the possibilities of data utilisation on since the first generation of SMPs which were presented in hard copy text and mapping format.

The Cornwall and Isles of Scilly Shoreline Management Plan GIS Viewer is an easy to use tool that allows the user to navigate and view data along the coastal frontage of the SMP area. The GIS Viewer gives the user the functionality to zoom and pan freely along the coastline and the choice of which features to display on detailed OS background mapping.

The tool consists of two parts:

The GIS Viewer (PMF tool)

Mapping and ArcGIS Shapefile data

All the GIS data is stored as Map layers with the Viewer. Examples of data included are:

- SMP Boundaries – Policy Units, Management Areas, Policy Development Zones.
- Erosion mapping– Erosion bands for No Active Intervention and With Present Management for epoch 1, 2 and 3
- Flood extents for epoch 1, 2 and 3.
- Defences

- Environmental Designations – such as BAP habitat, Natural 2000 sites, Scheduled Monuments, protected wrecks and listed buildings
- Annex K1 presents the ArcGIS shapefile data that has been created by Royal Haskoning. These data can be viewed spatially through the GIS viewer.

Annex K1 Shapefile data created by Royal Haskoning and description of shapefiles

Category	Name of shapefile	Description of shapefile	Source
Baseline	Baseline Coast	Present Coastline position	Royal Haskoning
Boundaries	Policy Units	Policy Unit boundaries	Royal Haskoning
	Management Areas	Management Area boundaries	Royal Haskoning
	Policy Development Zones	Policy Development Zones boundaries	Royal Haskoning
Policy Display	Policy Display	Visual display of the SMP2 Preferred Plan policy	Royal Haskoning
Defences	Defences	Coast protection and sea defences, based on data from the National Flood and Coastal Defence database, supplemented with other sources of information where necessary,	Royal Haskoning
Shoreline Prediction	Erosion Banding NAI 2025	A projection of the position of the coastline at 2025 where a decision is made not to invest in providing or maintaining defences. The No Active Intervention (NAI) position is also representative of all the natural hard cliff coastline areas where there is no management intervention. The maximum inland extent of the band presented the maximum extent of erosion predicted by 2025.	Royal Haskoning
	Erosion Banding NAI 2055	A projection of the coastline at 2055 where a decision is made not to invest in providing or maintaining defences. The NAI position is also representative of all the natural hard cliff coastline areas where there is no management intervention. The maximum inland extent of the band presented the maximum extent of erosion predicted by 2055.	Royal Haskoning
	Erosion Banding NAI 2125	A projection of the coastline at 2105 where a decision is made not to invest in providing or maintaining defences. The NAI position is also representative of all the natural hard cliff coastline areas where there is no management intervention. The maximum inland extent of the band presented the maximum extent of erosion predicted by 2105.	Royal Haskoning
	Erosion Banding WPM 2025	A projection of the coastline at 2025, where existing management practices (ie With Present Management WPM*) continue. The maximum inland extent of the band presented the maximum extent of erosion predicted by 2025.	Royal Haskoning

Category	Name of shapefile	Description of shapefile	Source
	Erosion Banding WPM 2055	A projection of the coastline at 2055, where existing management practices continue. It is assumed that the lifetime of existing defences is around 20 years and therefore by 2055 most management practices will have ceased to function. The maximum inland extent of the band presented the maximum extent of erosion predicted by 2055	Royal Haskoning
	Erosion Banding WPM 2125	A projection of the coastline at 2105, where existing management practices continue. It is assumed that the lifetime of existing defences is around 20 years and therefore by 2125 most management practices will have ceased to function. The maximum inland extent of the band presented the maximum extent of erosion predicted by 2105	Royal Haskoning
Flood Risk	2025 200yr Flood Extent	Projected 1 in 200 year return period (or 0.5% annual exceedence probability) still water level at 2025 (including an allowance for climate change).	Royal Haskoning
	2055 200yr Flood Extent	Projected 1 in 200 year return period (or 0.5% annual exceedence probability) still water level at 2055 (including an allowance for climate change).	Royal Haskoning
	2125 200yr Flood Extent	Projected 1 in 200 year return period (or 0.5% annual exceedence probability) still water level at 2125 (including an allowance for climate change).	Royal Haskoning
Features and Issues	Environmental Features Points	Designated environment or heritage features (represented by points) within the 2105 flood or erosion extents.	Royal Haskoning
	Environmental Features Polygons	Designated environment or heritage features (represented by polygons) within the 2105 flood or erosion extents.	Royal Haskoning
	Infrastructure & Development Features Points	Infrastructure and development features (represented by points) within the 2105 flood or erosion extents.	Royal Haskoning
	Infrastructure & Development Features Polygons	Infrastructure and development features (represented by polygons) within the 2105 flood or erosion extents.	Royal Haskoning
	Infrastructure & Development Features Polylines	Infrastructure and development features (represented by polylines) within the 2105 flood or erosion extents.	Royal Haskoning

1.2 Bibliographic and Metadatabase

The Bibliographic and Metadatabase is a key requirement of Royal Haskoning's Quality Management System (QMS) and was developed in order to record, store and track all incoming documents received as part of the Cornwall and Isles of Scilly SMP2 project.

The format of this database is a simple Microsoft Access database which can be used to sort/find the data. Each new piece of incoming data was assigned a unique identification number which allowed easy identification and retrieval of specific information throughout the project. The database shows the title and author of the data, the date of production and any key notes regarding the data itself.

The database shows the receipt of the key SMP data as set out in Appendix B of the SMP Guidance (Defra 2006). This includes the existing datasets from the original SMP (SMP1), all scheme and strategy plan information from within the SMP area, and any new information produced since development of SMP1, such as shoreline monitoring and coastal research data and data from relevant national studies (such as Futurecoast).

Annex K2 presents a report of the Bibliographic and Metadatabase updated to August 2010.

Annex K2 Bibliographic and Metadatabase Report

		Volume 5 - Environmental Review ANNEX ONE								
305	Report/Study	Penzance, Newlyn and Penlee - Technical Investigation Report - Numerical Modelling and Supporting Surveys Scoping Study	Hyder Consulting	18-Dec-03	20-Jan-09	Other	Email attachment	Penzance, Newlyn and Penlee Technical Investigation Report	Numerical Modelling and Supporting Surveys Scoping Study - Technical Investigation Report Produced by Hyder Consulting	Penzance, Newlyn and Penlee
306	Report/Study	Looe Tidal Defence Scheme - Viability of Permanent and Demountable Defences Report	ATKINS	01-Dec-08	18-Feb-09	Other	CD/DVD	Viability of Permanent and Demountable Defences	Looe Tidal Defence Scheme - Viability of Permanent and Demountable Defences Report Created By ATKINS	Looe in Cornwall
307	Report/Study	East & West Looe Tidal Defences Environmental Scoping Report	Environment Agency	01-Jan-01	18-Feb-09	Environment Agency	Hardcopy	Environmental Scoping Report	East & West Looe Tidal Defences Environmental Scoping Report	East & West Looe - Cornwall
308	Report/Study	East & West Looe Tidal Defences Preliminary Options Appraisal Report	Environment Agency	01-Jan-01	18-Feb-09	Environment Agency	Hardcopy	Preliminary Options Appraisal Report	East & West Looe Tidal Defences Preliminary Options Appraisal Report	East & West Looe - Cornwall
309	Report/Study	Environment Agency - Bude Flood Alleviation Scheme Review - Final Report	HALCROW	01-Nov-05	18-Feb-09	Halcrow	Hardcopy	Bude Flood Alleviation Scheme Review	Environment Agency - Bude Flood Alleviation Scheme Review - Final Report	Bude - Cornwall

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310	Report/Study	Project Appraisal Report - Hayle Tidal Barrier Cornwall - Environment Agency	Environment Agency	01-Sep-00	18-Feb-09	Environment Agency	Hardcopy	Project Appraisal Report - Hayle Tidal Barrier	Project Appraisal Report - Hayle Tidal Barrier Cornwall - Environment Agency	Hayle - Cornwall
311	Other	Database from CCPL containing responses to questionnaire sent to stakeholders - Feb 15th 2009	Keith Cole	15-Feb-09	19-Feb-09	Other	Hardcopy	Completed Questionnaires for Areas of Interest	Completed Questionnaires for Areas of Interest	Cornwall & Isles of Scilly
312	Mapping/DTM	Lidar	PCO		24-Feb-09	PCO	CD/DVD	Lidar coverage P 5412 scilly 1m, P5420_Falmouth, P5400_Redruth		P 5412 scilly 1m, P5420_Falmouth, P5400_Redruth
313	Mapping/DTM	Aerial Photography from Cornwall And Isles Of Scilly	PCO		24-Feb-09	PCO	CD/DVD	Rame head to Hartland Point Aerial Photography		Rame Head to Hartland Point
314	Management Plan	Amble Marshes Scoping Document	Environment Agency	01-Feb-09	03-May-09	EA Regional Office	Email attachment	Amble Marshes Scoping Document		Amble Marches
315	Shapefile	AONB shape file	Environment Agency		09-Mar-09	EA Regional Office	Email attachment	AONB zip file		South West
316	Shapefile	Geology shapefile	Environment Agency		09-Mar-09	EA Regional Office	Email attachment	Geology Zip		South west
317	Shapefile	Cornwall SMP GIS Data	Environment Agency		03-Sep-09	EA Regional Office	Email attachment	Shapefiles; Local nature Reserve, Aripports, Bathing Waters, Footpath, National Nature Reserve, Southwest Urban areas		southwest

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318	Management Plan	Condition Survey of Portwrinkle Harbour for Caradon District Harbour	John Grimes Partnership for Caradon District Harbour	01-Mar-08	23-Feb-09	Caradon District Council	Hardcopy	Condition survey	Hard Copy report sent from Robert Stead (Caradon)	Portwrinkle Harbour
319	Management Plan	Downderry Coastal Protection Scheme Information Pack	Caradon District Council		23-Feb-09	Caradon District Council	Hardcopy	Coastal Protection Scheme		Downderry
320	Report/Study	Feasibility Study for Coast Protection at Downderry, Cornwall Factual Report Volume 1 of 2	J Grimes	20-Nov-00	23-Feb-09	Caradon District Council	Hardcopy			Downderry, Cornwall
321	Report/Study	Feasibility Study for Coastal Protection at Downderry, Cornwall Interpretive Report	John Grimes Partnership	08-Mar-01	23-Feb-09	Caradon District Council	Hardcopy	Report with maps		Downderry, Cornwall
322	Report/Study	Coast Protection at Downderry, Cornwall 5 year Monitoring Report for Caradon District Council	John Grimes Partnership	01-Sep-06	23-Feb-09	Caradon District Council	Hardcopy	Report, Photographs, 3 a1 Maps		Downderry, Cornwall
323	Report/Study	Hayle Tidal Barrier Cornwall	Environment Agency	01-Sep-00	19-Feb-09	EA Regional Office	Hardcopy	Project Appraisal Report		Hayle
324	Report/Study	St Mary's Garrison, Isles of Scilly - draft Conservation Plan	English Heritage		26-Feb-09	English Heritage	CD/DVD	Conservation Plan		Isles of Scilly
325	Report/Study	Fal and St Austell CAMS Annual	Environment Agency	01-Aug-07	01-Feb-09	EA Regional Office	Hardcopy		Environment Agency Fact	Fal and St Austell

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		Update August 2007							Sheet	
326	Report/Study	Fal and St Austell Streams Catchment Adstractino Management Strategy	Environme nt Agency	01-Jan-06	01-Feb-09	EA Regional Office	Hardcopy			Fal and St Austell
327	Report/Study	Seaton Looe and Fowey CAMS Annual Update October 2007	Environme nt Agency	01-Oct-07	01-Feb-09	EA Regional Office	Hardcopy			Seaton Looe and Fowey
328	Report/Study	The Seaton, Looe and Fowey Catchment Abstraction Management Strategy	Environme nt Agency	01-Mar-03	02-Feb-09	Environment Agency	Hardcopy			Seaton, Looe and Fowey
329	Report/Study	North Cornwall CAMS Annual Update October 2007	Environme nt Agency	01-Oct-07	01-Feb-09	Environment Agency	Hardcopy			North Cornwall
330	Report/Study	The North Cornwall Catchment Abstraction Strategy	Environme nt Agency	01-Feb-05	01-Feb-09	Environment Agency	Hardcopy			North Cornwall
331	Report/Study	The West Cornwall Catchment Abstraction Management Strategy	Environme nt Agency	01-Jan-08	01-Feb-09	Environment Agency				West Cornwall
332	Report/Study	Strategic Coastline Study Lizard Point to Land's End Volume 5	L.G. Mouchel & Partner Ltd	16-Nov-94	20-Jan-09	Other	Hardcopy	Environmental Report		Lizard to lands end

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333	Report/Study	Camel Estuary Geomorphology Audit	Royal Haskoning	01-Nov-04	19-Mar-09	Royal Haskoning	Email attachment	Geomorphology Audit		Camel Estuary
334	Report/Study	Extreme Tide Level Report	Royal Haskoning	01-Nov-03	19-Mar-09	Royal Haskoning	Other		Updates pending	South West
335	Report/Study	Falmouth Cruise Project EIA	Royal Haskoning	01-Feb-09	16-Mar-09	Royal Haskoning	Email attachment			falmouth
336	Report/Study	West Cornwall Catchment Flood Management Plan	Royal Haskoning	01-Sep-08	01-Sep-08	Royal Haskoning	Other			West Cornwall
337	Report/Study	East Cornwall Catchment Flood Management Plan	Royal Haskoning	01-Sep-08	01-Sep-08	Royal Haskoning	Other			East Cornwall
338	Report/Study	Amble Marshes SSSI Water Level Management Plan Scoping Study	Environment Agency	09-Feb-09	10-Mar-09	Environment Agency	Email attachment			Amble Marshes
339	Report/Study	Cornwall Tidal ABD Appendices	Royal Haskoning	01-Feb-06	20-Mar-09	Royal Haskoning	Other			Cornwall
340	Shapefile	Cornwall ABD shapefiles	Royal Haskoning	01-Feb-06	20-Mar-09	Royal Haskoning	Other	defences info		Cornwall
341	Report/Study	Council for the Isles of Scilly SMP vol 1 and 2	Council for the Isles of Scilly	01-Jan-97	20-Mar-09	Royal Haskoning	Email attachment			Isles of Scilly
342	Report/Study	RNLI Lizard Wave Modelling report	Royal Haskoning	01-Jun-08	20-Mar-09	Royal Haskoning	Email attachment			The Lizard
343	Report/Study	RNLI The Lizard Lifeboat Station Environment Scoping Report	Royal Haskoning	01-Jun-08	20-Mar-09	Royal Haskoning	Email attachment			The Lizard
344	Report/Study	Maritime Processes and Climate	IACMST	01-Jan-05	20-Mar-09					UK
345	Report/Study	Pilot Study onto the Influence of Storm Conditions	Royal Haskoning	09-Feb-09	20-Mar-09	Royal Haskoning				Cornwall

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		on Extreme Tide Levels								
346	Report/Study	Land's End to Minehead Maritime Natural Area	English Nature		20-Mar-09	Natural England				Land's End to Minehead
347	Report/Study	Cornwall Sand Dune and Beach Management Strategy detailed Studies	halcrow	08-Dec-09	20-Mar-09	Halcrow	Hardcopy			cornwall
348	Report/Study	Sand Dunes Processes and Management for flood and coastal defence	DEFRA	07-May-09	20-Mar-09	Environment Agency				England and Wales
349	Report/Study	review of Wave Hub Technical Studies: Impact on inshore surfing beaches	ASR Ltd	04-Jul-09	20-Mar-09					North coast Cornwall
350	Report/Study	Hayle Harbour Hydrodynamic Modelling report	Penwith District Council	28-Nov-02	20-Mar-09	Penwith District Council	Hardcopy			Hayle harbour
351	Report/Study	Promenade Option Review Study Penzance, Newlyn, Penlee	Penwith District Council, Hyder	01-Jan-04	20-Mar-09	Penwith District Council	Hardcopy	Promenade option review Study		Penzance, Newlyn, Penlee
352	Report/Study	Newlyn Harbour Concept Design	www.Newlyn.org	01-Jan-06		Newlyn.org	Online			newlyn
353	Report/Study	Newlyn Harbour Technical Assistance Sandy Cove Business Case	www.Newlyn.org	01-Jan-06		www.Newlyn.org				newlyn
354	Report/Study	Newlyn Harbour Technical Assistance Newlyn Harbour	www.Newlyn.org	01-Jan-06		www.Newlyn.org				newlyn

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		Business Case							
355	Report/Study	Public Exhibition Newlyn Harbour and Sandy Cove	www.Newlyn.org	01-Oct-05		www.Newlyn.org	Online		newlyn
356	Report/Study	Public Exhibition Penlee Quarry Exhibition	www.Newlyn.org	01-May-05		www.Newlyn.org	Online		penlee
357	Report/Study	Newlyn Harbour and Sandy Cove Proposal	www.Newlyn.org	01-Mar-05		www.Newlyn.org	Online		newlyn
358	Report/Study	Penzance Harbour / The Promenade Proposals	www.Newlyn.org	01-Jan-05		www.Newlyn.org	Online		Penzance
359	Report/Study	Penzance, Newlyn, Penlee Technical Investigations - PNP Site Investigations Application for Consent to Undertake Marine Works - Supporting Information to form MCU5	www.Newlyn.org	22-Mar-04		www.Newlyn.org	Online		Penzance, Penlee
360	Report/Study	Newlyn Harbour Feasibility Study	www.Newlyn.org	12-Jan-04		www.Newlyn.org			newlyn Harbour
361	Report/Study	Penlee Quarry Environmental Scoping Study	www.Newlyn.org	07-Jan-04		www.Newlyn.org	Online		Penlee
362	Report/Study	Penzance Harbour Option Review	www.Newlyn.org	01-Jan-04		www.Newlyn.org	Online		Penzance Harbour
363	Report/Study	Penzance, Newlyn, Penlee Technical Investigations - PNP Site	www.Newlyn.org	22-Dec-03		www.Newlyn.org	Online		Penzance, Newlyn, Penlee

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		Investigations Penzance Harbour Environmental Scoping Study							
364	Report/Study	Penzance, Newlyn, Penlee Technical Investigations - PNP Site Investigations Newlyn Harbour Environmental Scoping Study	www.Newlyn.org	22-Dec-03		www.Newlyn.org			newlyn Habroure
365	Report/Study	Penzance, Newlyn, Penlee Technical Investigations - PNP Site Investigations Penzance Promenade Environmental Scoping Study	www.Newlyn.org	22-Dec-03		www.Newlyn.org			Penzance Promenade
366	Report/Study	Penzance, Newlyn, Penlee Technical Investigations - PNP Site Investigations Numerical Modelling and Supporting Surveys Scoping Study	www.Newlyn.org	18-Dec-03		www.Newlyn.org			Penzance, Newlyn, Penlee
367	Report/Study	Penzance, Newlyn, Penlee Technical Investigations - PNP Site Investigations Newlyn Coombe Flood Risk Assessment	www.Newlyn.org	18-Dec-03		www.Newlyn.org	Online		Newlyn Coombe

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		Scoping Study								
368	Report/Study	Sea Level Rise Implications - geographical analysis of future high tides, vol 1 briefing note, draft	Cornwall County Council	01-Mar-08		Cornwall County Council	Email attachment	Climate change, SLR		Cornwall
369	Other	Fal and Helford Coastal Planning guidance	Cornwall County Council			Cornwall County Council	Email attachment			Fal and Helford
370	Other	Link to Cornwall Landscape Character map			30-Mar-09	Cornwall County Council	Online		document contains link to Cornwall Landscape Character map	Cornwall
371	Report/Study	NFCDD data	Royal Haskoning	01-Jun-06	23-Mar-09	Royal Haskoning	CD/DVD	Defence data		Cornwall
372	Report/Study	Sea Level Rise Implications - Geographical Analysis of future high tides Vol 2, technical note, draft	Cornwall County Council	01-Mar-08	06-Apr-09	Cornwall County Council	CD/DVD			Cornwall
373	Report/Study	Sea Level Rise Implications - Geographical Analysis of future high tides Vol 3 tidal inundation maps, draft	Cornwall County Council	01-Mar-08	06-Apr-09	Cornwall County Council	CD/DVD			Cornwall
374	Mapping/DTM	Sea Level Rise Mapping	EA		06-Apr-09	Cornwall County Council	CD/DVD	Mapping +shapefiles		Cornwall

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375	Report/Study	Biodiversity Issues and the Fal and Helford Special Area for Conservation: Best Practice guidelines for Smaller Developments	Cornwall County Council	15-Dec-06	06-Apr-09	Cornwall County Council	CD/DVD			Fal and Helford
376	Report/Study	Hayle Harbour Draft planning Application	ING Real Estate	01-Nov-07	01-Mar-09	Environment Agency	CD/DVD			Hayle
377	Mapping/DTM	OS Maps (x3)	Cornwall County Council	01-Apr-09	01-Apr-09	Cornwall County Council	Hardcopy	OS maps with annotation marked showing issues/features/defences...		Cornwall
378	Shapefile	English Heritage shapefiles	natural england			Natural England	CD/DVD	historic environment shapefiles		Cornwall (not scilles)
379	Other	NE SSSIs -North & SOuth Coast Cornwall SMP details	Natural England	17-Apr-09	17-Apr-09	Natural England	Email attachment			North and South Coast of Cornwall
380	Mapping/DTM	Helford, Falmouth, Truro	Cornwall County Council	01-Mar-09	14-Apr-09	Cornwall County Council	CD/DVD	Aerial Photography Helford, Falmouth, Truro		Helford, Falmouth, Truro
381	Report/Study	SMP 1 Land's End to Hatland Point Volume 4 (electronic)	Halcrow		14-Apr-09	Halcrow	CD/DVD	SMP 1 electronic copy		Lands End to Hartland Point
382	Report/Study	SMP 1 Rame Head to Lizard Point (electronic copy)	Halcrow		14-Apr-09	Halcrow	CD/DVD	SMP1 electronic PBF version		Ram Head to Lizard Point
383	Report/Study	SMP 1 Lizard to Lands End Volume 1 (electronic copy)	Halcrow		14-Apr-09	Halcrow	CD/DVD	SMP1 electronic copy		Lizard to Lands End

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384	Mapping/DTM	Truro & Falmouth Landranger Map	OS	01-Jan-06	27-Mar-09	Cornwall County Council	Hardcopy	Land ownership		Truro & Falmouth
385	Mapping/DTM	Newquay & Bodmin Landranger Map	OS	01-Jan-07	27-Mar-09	Cornwall County Council	Hardcopy	Land ownership		Penhale to Bossiney
386	Mapping/DTM	Land's End & Isles of Scilly	OS	01-Jan-07	27-Mar-09	Cornwall County Council	Hardcopy	Land ownership		Land's End & Isles of Scilly
387	Report/Study	Beach Replenishment and Revised Sea Wall at Carlyon Bay, St Austell	J I McPherson	26-Mar-07	27-Mar-09	EA Area Office	Hardcopy	Planning application for defences		Carlyon Bay
388	Report/Study	Statement of Common Ground	Ampersand Group	11-Mar-96	27-Mar-09	EA Area Office	Hardcopy	Application for beach replenishment on Crinnis, Shorthorn and Polgaver beaches		Carlyon Bay
389	Report/Study	Comparison of the Proposed Sea Wall with the Extant Scheme	T I Horwood/Cornwall County Council	24-Oct-06	27-Mar-09	EA Area Office	Hardcopy	Sea wall drawings		Carlyon Bay
390	Report/Study	Carlyon Bay Improved Sea Defences - Proof of Evidence	W Allsop/HR Wallingford	07-Nov-06	27-Mar-09	EA Area Office	Hardcopy	Proof of evidence supporting public enquiry		Carlyon Bay
391	Report/Study	Carlyon Bay Improved Sea Defences - Appendices	W Allsop/HR Wallingford	07-Nov-06	27-Mar-09	EA Area Office	Hardcopy	Appendices supporting public enquiry		Carlyon Bay
392	Report/Study	Carlyon Bay Improved Sea Defences - Summary of Evidence	W Allsop/HR Wallingford	07-Nov-06	27-Mar-09	EA Area Office	Hardcopy	Summary of evidence supporting planning application		Carlyon Bay
393	Report/Study	Carlyon Bay Watch Proof of Evidence	Carlyon Bay Watch	09-Oct-06	27-Mar-09	EA Area Office	Hardcopy	Proofs of Evidence re carlyon bay defences		Carlyon Bay

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394	Report/Study	Carlyon Bay Improved Sea Defences - Proof of Evidence	T Ealy/Buro Happold	07-Nov-06	27-Mar-09	EA Area Office	Hardcopy	Proof of evidence supporting public enquiry		Carlyon Bay
395	Report/Study	Carlyon Bay Improved Sea Defences - Appendices	T Ealy/Buro Happold	07-Nov-06	27-Mar-09	EA Area Office	Hardcopy	Appendices supporting public enquiry		Carlyon Bay
396	Report/Study	Carlyon Bay Improved Sea Defences - Proof of Evidence	A Brampton/HR Wallingford	07-Nov-06	27-Mar-09	EA Area Office	Hardcopy	Proof of evidence supporting public enquiry		Carlyon Bay
397	Report/Study	Carlyon Bay Improved Sea Defences - Appendices	A Brampton/HR Wallingford	07-Nov-06	27-Mar-09	EA Area Office	Hardcopy	Appendices supporting public enquiry		Carlyon Bay
398	Report/Study	Planning Application for Placement of beach replenishment materials on Crinnis, Shorthorn and Polgaver Beaches.	Ampersand Group Ltd		27-Mar-09	EA Area Office	Hardcopy	Proof of evidence		Carlyon Bay
399	Report/Study	Planning Application for Placement of beach replenishment materials on Crinnis, Shorthorn and Polgaver Beaches.	Ampersand Group Ltd		27-Mar-09	EA Area Office	Hardcopy	Rebuttal of proof of evidence		Carlyon Bay
400	Management Plan	Carlyon Bay Beach, seawall and river management manual	HR Wallingford	01-Oct-04	27-Mar-09	EA Area Office	Hardcopy	Beach defences management guidance		Carlyon Bay

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401	Report/Study	Flood Risk Assessment Report	Davis Langdon & Everest	27-Feb-04	27-Mar-09	EA Area Office	Hardcopy	Flood risk assessment for development of Carlyon Bay		Carlyon Bay
402	Report/Study	Flood Risk Assessment Addendum	Davis Langdon & Everest	30-Jun-04	27-Mar-09	EA Area Office	Hardcopy	Addendum to flood risk assessment for development in Carlyon Bay		Carlyon Bay
403	Other	Aerial Photography St Agnes to Rumps Point	Environment Agency		26-May-09	Environment Agency	CD/DVD	Ortho Aerial photography		St Agnes to Rumps Point
404	Mapping/DTM	Consent discharges WIM SW	Environment Agency		19-May-09	Environment Agency	Email attachment	Consented discharges mapping shapefile		South west
405		Place of beach replenishment material on Crinnis, Shorthorn and Polgaver beaches. Revised design of sea wall as approved under extent permission 95/00966 at Carlyon Bay, St Austell. Planning Application	Ampersand Group Ltd		12-May-09	Environment Agency	Hardcopy			carlyon bay
406	Report/Study	Carlyon Bay Cornwall Improved Sea Defences	HR Wallingford, Dr Alan Brampton	01-Nov-06	12-May-09	Environment Agency	Hardcopy	Maps, Photographs, data		Carlyon Bay
407	Management Plan	Carlyon Bay beach, seawall and river management manual	HR Wallingford	01-Oct-04	12-May-09	Environment Agency	Hardcopy	Maps, report		Carlyon bay

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408	Management Plan	The Beach, Carlyon Bay Cornwall Flood Risk Assessment	HR Wallingford , Jackson Civil engineering, MLM	27-Feb-04	12-May-09	Environment Agency	Hardcopy			Carlyon Bay
409	Management Plan	The Beach, Carlyon Bay Cornwall Flood Risk Assessment Addendum	HR Wallingford , Jackson Civil engineering, MLM	27-Feb-04	12-May-09	Environment Agency	Hardcopy			Carlyon Bay
410	Management Plan	beach Replenishment and revised sea wall at Carlyon Bay, St Austell Planning Application	Ampersand Limited	26-Mar-07	12-May-09	Environment Agency	Hardcopy			Carlyon Bay
411	Report/Study	Statement of Common Ground: Ampersand	Ampersand Group Ltd	10-Oct-06	12-May-09	Environment Agency	Hardcopy			Carlyon Bay
412	Report/Study	Comparison of the Proposed Sea Wall with the extent Scheme	Cornwall County Council	24-Oct-06	12-May-09	Environment Agency	Hardcopy			Carlyon Bay
413	Report/Study	carlyon Bay Cornwall Improved Sea Defences 1	HR Wallingford , William Allsop	07-Oct-06	12-May-09	Environment Agency	Hardcopy			Carlyon Bay
414	Management Plan	Carlyon Bay Cornwall Improved Sea Defences 2	HR Wallingford William Allsop	07-Nov-06	12-May-09	Environment Agency	Hardcopy			carlyon Bay
415	Management Plan	Carlyon bay Cornwall Improved Sea Defences 3	HR Wallingford	07-Nov-06	12-May-09	Environment Agency	Hardcopy			Carlyon Bay

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416	Report/Study	Carylon Bay Watch Ltd Proof of evidence for submission to the public inquiry	Carylon Bay Watch Ltd	07-Nov-06	12-May-09	Environment Agency	Hardcopy			Carlyon Bay
417	Management Plan	Carlyon bay Cornwall Improved Sea Defences 4/1	Terry Ealey, Buro happold	07-Nov-06	12-May-09	Environment Agency	Hardcopy			Carlyon Bay
418	Management Plan	Carlyon Bay Cornwall Imporved Sea Defences 4/2	Terry Ealey , Buro Happold	07-Nov-06	12-May-09	Environment Agency	Hardcopy			Carlyon Bay
419	Report/Study	Carlyon Bay Cornwall Improved Sea Defences 3/1	HR Wallingford Alan Brampton	07-Nov-06	12-May-09	Environment Agency	Hardcopy			Carlyon Bay
420	Report/Study	Geomorphology of Loe Bar, Cornwall	Royal Haskoning	11-Apr-03	12-May-09	Environment Agency	Hardcopy			Loe Bar
421	Management Plan	Hayle estuary management plan (Hayle emp 2008-2013)	HHAC	01-Mar-08	12-May-09	Environment Agency	Hardcopy			Hayle Harbour
422	Mapping/DTM	10K mapping for Isles of Scilly	Environment Agency		04-Jun-09	Environment Agency	Email attachment	Mapping		IoS
423	Report/Study	Shoreline Management Plan 2 St Just in Roseland Parish Council	St Just in Roseland Parish Council	01-May-09	15-Jun-09	St Just in Roseland Parish Council	Hardcopy		Parish Council agreed recommendations for the SMP2	St Just in Roseland
424	Report/Study	Shoreline Management Plan 2 St Just in Roseland Parish Council	St Just in Roseland Parish Council	01-May-09	15-Jun-09	St Just in Roseland Parish Council	CD/DVD x2		Parish Council agreed recommendations for the SMP2	St Just in Roseland
425	Shapefile	Cornwall Council Historic Environment	Cornwall Council	18-Jun-09	23-Jun-09	Cornwall County Council	CD/DVD	Site and Monuments, Historic Landscape Character, Archaeological		Cornwall SMP boundary

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								Events, Statutory designations, wrecks, areas of archaeological importance		
426	Shapefile	UK_DYN_Ramsar_GIS_200901	JNCC	01-Jan-09	26-Jun-09	JNCC	download			UK
427	Shapefile	UK_DYN_SAC_GIS_200901	JNCC		26-Jun-09	JNCC	download	SAC		UK
428	Shapefile	UK_DYN_SPA_GIS_200901	JNCC		26-Jun-09	JNCC	download	SPA		UK
429	Shapefile	UK_Ramsar_GIS_20070831	JNCC	31-Aug-07	26-Jun-09	JNCC	download	GIS ramsar sites old file		UK
430	Shapefile	UK_SAC_GIS_20081126	JNCC	26-Nov-08	26-Jun-09	JNCC	download	SAC old file		UK
431	Shapefile	UK_SAC_MAR_GIS_20081126	JNCC	26-Nov-08	26-Jun-09	JNCC	Download			UK
432	Shapefile	UK_SAC_OFF_GIS_20081126	JNCC	26-Nov-08	26-Jun-09	JNCC	Download	SAC		UK
433	Shapefile	UK_SPA_GIS_20081126	JNCC	26-Nov-08	26-Jun-09	JNCC	Download	SPA data		UK
434	Shapefile	UK_SPA_MAR_GIS_20081126	JNCC	26-Nov-08	26-Jun-09	JNCC	download	SPA		UK
435	Shapefile	WFD coastal, lakes, rivers, transitional	EA		26-Jun-09	Environment Agency	Email attachment	WFD coastal, lakes, rivers, transitional		Cornwall
436	Other	CIS SMP review.xls	EA		26-Jun-09	Environment Agency	Email attachment			
437	Other	Water Framework Directive implications for CIS SMP.doc	EA		26-Jun-09	Environment Agency	Email attachment			
438	Shapefile	SMP1 Management Unit	Environment Agency		08-Jul-09	Environment Agency	Email attachment	SMP1 management units mapping with policy in attributes?		SMP coast
439	Shapefile	SMP1 cliff-top recession	Environment Agency		08-Jul-09	Environment Agency	Email attachment			cornwall
440	Shapefile	Appropriate Assessment	Environment Agency		08-Jul-09	Environment Agency	Email attachment			

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441	Other	250m coastal zone structs2	Highways, Cornwall Council		08-Jul-09	Cornwall County Council	Email attachment	defence structures		
443	Shapefile	NM_corn habitat mapping	Environment Agency		08-Jul-09	Natural England	Other	habitat mapping		cornwall
444	Shapefile	N_map_corn habitat mapping	Natural England		08-Jul-09	Natural England	Other	Habitat mapping , env. Records centre		Cornwall
445	Other	English Nature national monument records	English Nature		08-Jul-09	Natural England	download		English Nature national monument records for battlefields, listed buildings, parks and gardens, wrecks, WHS. And EH PAI Statement	cornwall
446	Report/Study	Camel Geomorph Audit	Royal Haskoning		08-Apr-09	Royal Haskoning	Email attachment			Camel estuary
447	Report/Study	beach Information from Cornwall Council	Cornwall Council		08-Jul-09	Cornwall County Council	Email attachment	2009 beach events- Praa Sands. Church Cove, Gunwalloe. Kennack Sands. Poldhu 2. Polurrian 2. Porthleven2. Portreath Beach Activity Programme. Portreath beach info. Praa Sands Info		
448	Mapping/DTM	Cornwall SMP LIDAR Geodatabase, erosion lines	ABP		23-Jul-09	ABP	download	flood mapping	not compatible with our GIS, requested shapefiles from ABP	
449	Mapping/DTM	Flood Risk Lidar	MW Royal Haskoning	07-Jul-09	23-Jul-09	Royal Haskoning	Other	Flood mapping grids	grids for use in MDSF	

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450	Other	Habitats C and loS 21July09	MW Royal Haskoning	01-Jul-09	23-Jul-09	Royal Haskoning	Email attachment	Erosion lines mapping	Erosion lines mapping for use with MDSF	
451	Shapefile	Recession_shap efiles	MW Royal Haskoning	01-Jul-09	23-Jul-09	Royal Haskoning	Email attachment	recession lines		
452	Mapping/DTM	WPM CIOS rates	MW Royal Haskoning	01-Jul-09	23-Jul-09	Royal Haskoning	Other	With Present Management (WPM) rates		
453	Report/Study	ABPmer Final Report and associated GIS files	ABPmer	01-Oct-09	21-Oct-09	ABP	CD/DVD	Final Estuary Report, Final GIS files- erosion lines etc..	supercedes august CD	Fal, Camel, Fowey
454	Shapefile	UK BAP Habitat Layers	Environmental Records Centre, Nic Harrison-White	09-Aug-09	09-Aug-09	Environment Records Centre	CD/DVD	Bap habitat layers - Coastal Saltmarsh, Coastal Sand dune, Coastal vegetated shingle, Sabellaria Aleeveolata Reefs, Mudflats, Saline Lagoons.		Cornwall
455	Other	Cornwall Towns Association Brochure	Cornwall Towns Association	09-Jan-09	25-Oct-09	Environment Agency	Email attachment			
456	Report/Study	Cornwall Towns Association Business Plan	Cornwall Towns Association Management Group	04-Sep-08	25-Oct-09	Environment Agency	Email attachment			
457	Other	Cornwall Towns Association email	Cornwall Towns Association Edwina Hannaford		25-Oct-09	Environment Agency				
458	Other	SW REGIONAL HABITAT CREATION DATABASE	Howard Rushton	14-Oct-09	14-Oct-09	Environment Agency				

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459	Report/Study	North Cornwall District Council Beach Survey 2008 report and Presentation Beach Survey 2008	NCDC	14-Oct-09	06-Jul-09					
460		Regional Habitat Creation Programme South West Region Version2	FRM Strategic and Development Planning	08-Mar-09	14-Oct-09	Environment Agency				
461	Other	Video Clip IoS Bryher Pool and Hell Bay Pool			13-Jul-09					
462		Shoreline Management Plan Beach Figures			16-Jul-09					
463	Shapefile	ABP Final Report and shapefiles Coastal Processes & Baseline Scenarios	APBMer	01-Oct-09	01-Oct-09	Other	CD/DVD	Report and shapefiles supplied on CD	Cd loaded to Z drive	Whole SMP
464	Other	Praa Sands - historic photographs			04-Feb-10	Environment Agency	Email attachment	Praa sands historic photography		Praa Sands
465	Report/Study	GEOMORPHOLOGICAL CHANGE AND ITS IMPACT ON HABITATS IN THE Camel Estuary (paper format)v2	DAVID S BREW1 AND BRONWEN B. GIBBERD1		08-Dec-09	Royal Haskoning		GEOMORPHOLOGICAL CHANGE		Camel Estuary
466	Report/Study	Geomorphology Loe Bar	Royal Haskoning	11-Apr-03	09-Apr-09	Royal Haskoning	Email attachment	Geomorphology Loe Bar		Loe Bar
467	Other	PRESS RELEASE LAUNCH OF AMBITIOUS 20-			02-Nov-09	EA Area Office	Email attachment	PRESS RELEASE LAUNCH OF AMBITIOUS 20-YEAR PLAN TO		Penzance

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		YEAR PLAN TO REGENERATE PENZANCE						REGENERATE PENZANCE		
468	Other	Cornwall and IoS SMP2 - NE coastal access policy	Natural England	03-Jul-09	02-Nov-09	Natural England	Email attachment	Coastal access policy position statement		
469	Report/Study	Coverack Cove SSSI Report to English Nature	Professor J Pethick	01/05/1997	01/07/2010	Cornwall County Council	Hardcopy	Coverack		Coverack