

Appendix I

Bibliographic database

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I1 Introduction

Appendix I essentially comprises two electronic deliverables: the geodatabase and the bibliographic database. This short appendix provides an overview of the aims and objectives of each of the two deliverables and the method behind their development. It also acts as a brief guidance document to using both the metadatabase and bibliographic database.

I2 Bibliographic database

This is a key requirement of Royal Haskoning's quality management system (QMS). It was developed to record, store and track all incoming documents received as part of the North Norfolk SMP2 project. It also provides a record of the type of check made on the data when they were received.

The format of the bibliographic database is a simple Microsoft Excel spreadsheet that can be used to sort/find the data. Each new piece of incoming datum was assigned a unique identification number (in the format ID+number) that allowed specific information to be retrieved and identified easily throughout the project. The database shows the title and author of the data, the date of production and any key notes about the data themselves and potential limitations/problems.

The bibliographic database shows the receipt of the key SMP data as set out in appendix B of the SMP guidance (Defra 2006). This includes the national "standard data package", existing datasets from the original SMP (SMP1), all scheme and strategy plan information from within the SMP area. It also includes any new information produced since SMP1 was developed, such as shoreline monitoring and coastal research data and data from relevant national studies (such as Futurecoast).

I3 Geodatabase

I3.1 Aims

The aim of the geodatabase is to record all the data used in the SMP using a GIS-based data management tool. This includes all the data gathered and results of the 'theme review' and 'coastal processes assessment' tasks undertaken as part of stage 2 (as reported in detail in appendix C).

The overall aim of the geodatabase is to assist coastal managers in managing 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 helpful to coastal management as well as data management. It has moved on the possibilities for using data since the first generation of SMPs which were presented in hard copy text and mapping format.

The tool will enable the user to view all the collated information in a geographical context. It will also allow the user to import/update and export database information.

13.2 Geodatabase development

The North Norfolk SMP2 tool is based on the data storage and management tool that Royal Haskoning developed for the North East Coastal Authorities Group (NECAG) SMP2 which covered the coastal frontage between River Tyne and Flamborough Head.

The tool is a combined geographical information system/database system that provides a means of collating data and information used in the SMP and managing updates and dissemination. The tool consists of two parts:

- GIS workspace
- Microsoft Access database

All the relevant information is stored in map layers that are overlain in a GIS environment. Each map layer contains mapped features such as sea defence locations and tide gauges. Each feature is then linked by a unique reference number to a record in the database so that the user can click on the mapped feature to reveal the detailed information recorded in the database.

Amendments were made to make sure that it was suitable for the particular needs of this SMP2. This was done by adding and deleting layers as needed and changing the data structure to allow the tool to provide the information needed for the SMP2. A number of further developments were also undertaken to the tool. These developments had two main aims:

- structural amendments and improvements
- integration of metadata records into the system

The geodatabase has collated all the available data covering the following aspects of the processes and features on the coast to provide a baseline of data that can be built on in future years. These data include:

- coastal processes – waves, extreme water levels, tidal levels, sediment transport, erosion/accretion rates, general coastal process overview and geomorphology
- human/built environment – such as walkways/cycleways and recreational interests
- nature conservation – such as environmental designations
- historic environment/cultural - such as scheduled monuments, registered parks and gardens and listed buildings

In addition to the geographical visualisation of the information via the GIS environment, the tool stores all the data in a Microsoft access database. This ensures that all the data are available for attribute viewing, searching and editing via the database for those users who do not have access to the relevant GIS software.

An extra feature is that the specific ID numbers relevant to the source for the data stored within the tool relate to the number of the entry within the bibliographic database.

ID	Type of Information	Description	Date produced	Info source	Date received	Media type	Comments	Storage location
1	Hard copy	change	01-Feb-04	Lynsey Thompson Environment Agency Anglian region	09/02/07	Hard copy		Digital project archive
2	Electronic document	Hunstanton to Heacham beach recycling annual reports (1999, 2000, 2001 and 2002)	22-Apr-02	Posford Haskoning Ltd archive	21/03/07	Electronic document	Project number: 3D2458	Digital project archive
3	Electronic document	Hunstanton to Heacham sea defences strategy/project appraisal report (Posford Duvivier)	01-Apr-01	Posford Duvivier archive	21/03/07	Electronic document	Project number: 3G5034	Digital project archive
4	Electronic document	Overstrand and Mundesley proposals	18-May-01	Posford Duvivier archive	21/03/07	Electronic document	Project number: 3H6291	Digital project archive
5	Electronic document	Coastal and estuarine evolution archive (draft)	26-Sep-01	Posford Haskoning archive	21/03/07	Electronic document	Project number: 3H6696	Digital project archive
6	Electronic document	Lincshore wind farm archive	09-Jul-02	Royal Haskoning archive	21/03/07	Electronic document	Project number: 3H7079	Digital project archive

ID	Type of Information	Description	Date produced	Info source	Date received	Media type	Comments	Storage location
8	Electronic document	Titchwell Marshes standard of defence reports	09-Dec-05	Royal Haskoning archive	21/03/07	Electronic document	Project number: 9R1875	Digital project archive
9	Electronic document	Lincs, Docking Shoal and Race Bank offshore wind archive	14-Feb-07	Royal Haskoning archive	21/03/07	Electronic document	Project number: 9R6087	Digital project archive
10	Electronic document	Greater Wash round 2 offshore wind farms: cumulative effects archive	23-Jun-04	Posford Haskoning environment archive	21/03/07	Electronic document	Project number: 9R6537	Digital project archive
11	Electronic document	Sheringham Shoal offshore wind farm	23-May-06	Scira offshore energy	21/03/07	Electronic document	Project number: 9S1092	Digital project archive
12	Electronic document	Table of features and associated issues	07-Mar-07	Lynsey Thompson Environment Agency Anglian region	09/03/07	Electronic document		Digital project archive
13	Electronic document	Southern North Sea Sediment Transport Study part 2 (HR Wallingford and Royal Haskoning)	01-Aug-02	Lynsey Thompson Environment Agency Anglian region	09/03/07	Electronic document		Digital project archive

ID	Type of Information	Description	Date produced	Info source	Date received	Media type	Comments	Storage location
18	Hard copy	Hunstanton to Heacham: Review of beach performance and management (Posford Duvivier)	04-Dec-95	Lynsey Thompson Environment Agency Anglian region	09/03/07	Hard copy	Scanned doc stored in digital project archive	Newcastle
19	Hard copy	Hunstanton/Heacham beach monitoring (SGS Environment)	01-Sep-96	Lynsey Thompson Environment Agency Anglian region	09/03/07	Hard copy	Scanned doc stored in digital project archive	Newcastle
20	Hard copy	Hunstanton/Heacham sea defences strategy/ appraisal report appendices (Posford Duvivier)	01-Apr-01	Lynsey Thompson Environment Agency Anglian region	09/03/07	Hard copy	Scanned doc stored in digital project archive	Newcastle
21	Hard copy	Hunstanton/Heacham sea defences strategy/ appraisal report (Posford Duvivier)	01-Apr-01	Lynsey Thompson Environment Agency Anglian region	09/03/07	Hard copy	Scanned doc stored in digital project archive	Newcastle

ID	Type of Information	Description	Date produced	Info source	Date received	Media type	Comments	Storage location
22	Hard copy	Coastal analysis of the Anglian region: North Norfolk, Hunstanton to Sheringham (Environment Agency)	01-Feb-03	Lynsey Thompson Environment Agency Anglian region	09/03/07	Hard copy	Scanned doc stored in digital project archive	Newcastle
26	Hard copy	Coastal trends analysis 1991 to 2000 reports 1 to 9 (Environment Agency's Shoreline Management Group)	01-Feb-03	Lynsey Thompson Environment Agency Anglian region	09/03/07	Hard copy	Scanned doc stored in digital project archive	Newcastle
27	Hard copy	Southern North Sea Sediment Transport Study literature review and conceptual sediment transport model part 1 (ABP Research)	01-May-96	Lynsey Thompson Environment Agency Anglian region	09/03/07	Hard copy	Scanned doc stored in digital project archive	Newcastle

ID	Type of Information	Description	Date produced	Info source	Date received	Media type	Comments	Storage location
28	Hard copy	Littoral sediments of the Wash and North Norfolk Coast SAC: 1998 and 1999 surveys of intertidal sediment and invertebrates (English Nature)	01-Aug-02	Lynsey Thompson Environment Agency Anglian region	09/03/07	Hard copy	Scanned doc stored in digital project archive	Newcastle
31	Hard copy	Alexandra Lock Gates-ABP/EA Collaborative Project memo (Environment Agency)	12-Mar-07	Lynsey Thompson Environment Agency Anglian region	09/03/07	Hard copy		Project archive
34	Hard copy	MAFF submission: Anglian Shoreline Monitoring and Analysis. Report to EA specialist term consultancy STCG/2000/41 (University of Newcastle)	01-Aug-00	Lynsey Thompson Environment Agency Anglian region	09/03/07	Hard copy		Project archive

ID	Type of Information	Description	Date produced	Info source	Date received	Media type	Comments	Storage location
38	Hard copy	North Norfolk Shoreline Management Plan: Sheringham to Snettisham Scalp volume II (Environment Agency and Mouchel)	01-Jul-96	Vicky Eade Environment Agency	04/04/07	Hard copy	Scanned doc stored in digital project archive	Newcastle
39	Hard copy	North Norfolk Shoreline Management Plan: Sheringham to Snettisham Scalp volume I (Environment Agency and Mouchel)	01-Jul-96	Vicky Eade Environment Agency	04/04/07	Hard copy	Scanned doc stored in digital project archive	Newcastle
40	Hard copy	North Norfolk Coastal Habitat Management Plan final report (Environment Agency and Defra)	01-Jan-03	Vicky Eade Environment Agency	04/04/07	Hard copy	* Scanned doc stored in digital project archive	Newcastle)

ID	Type of Information	Description	Date produced	Info source	Date received	Media type	Comments	Storage location
41	Hard copy	The North Norfolk Natural Area Profile (English Nature)	01-Jun-97	Vicky Eade Environment Agency	04/04/07	Hard copy	Scanned doc stored in digital project archive	Newcastle
42	Hard copy	Brancaster West Marsh engineers report final draft (Environment Agency)	01-May-00	Vicky Eade Environment Agency	04/04/07	Hard copy	Scanned doc stored in digital project archive	Newcastle
43	Hard copy	Brancaster West Marsh engineers report (Environment Agency)		Vicky Eade Environment Agency	04/04/07	Hard copy	Scanned doc stored in digital project archive	Newcastle
44	Hard copy	Shoreline monitoring data catalogue	01-Feb-04	Lynsey Thompson Environment Agency Anglian Region	12/04/07	Hard copy		Project archive
45	Hard copy	Review of Anglian SMP further study recommendations (final report)	01-Mar-98	Greg Guthrie	12/04/07	Hard copy		Project archive

ID	Type of Information	Description	Date produced	Info source	Date received	Media type	Comments	Storage location
46	Hard copy	Anglian SMPs: Phase III implementation of further monitoring and research recommendations. Final report to EA specialist term consultancy (University of Newcastle)	01-Aug-99	Greg Guthrie	21/04/07	Hard copy		Project archive
47	Electronic document	Wells-next-the-Sea gate refurbishment (missing)		Lynsey Thompson Environment Agency Anglian region	12/03/07			Not yet received
48	Electronic document	Cley-next-the-Sea flood defence condition survey report and gate repair (Kenneth Grubb Associates Ltd and Halcrow Group Ltd for EA)	01-Sep-06	Annabelle Foot (Environment Agency)	26/06/07	Hard copy		Project archive
49	Electronic document	Blakeney Freshes project appraisal report	01-Mar-02	Lynsey Thompson Environment Agency Anglian region	12/03/07	Electronic copy		Digital project drive

ID	Type of Information	Description	Date produced	Info source	Date received	Media type	Comments	Storage location
50	Electronic document	Salthouse and Cley marshes project appraisal report	01-Mar-05	Lynsey Thompson Environment Agency Anglian region	12/03/07	Electronic copy		Digital project drive
51	Electronic document	Coastal change around the Wash: Assessment of past change, prediction of future change and identification of coastal squeeze part 1 literature review	01-Apr-04	RH digital archive	20/04/07	Electronic copy		Digital project drive
52	Electronic document	North Norfolk offshore wind farm environmental statement (LPC)	01-Oct-02	Robert Staniland (Environment Division)	20/04/07	Electronic copy		Digital project drive
52	Electronic document	North Norfolk offshore wind farm environmental statement (LPC)	01-Oct-02	Robert Staniland (Environment Division)	20/04/07	Electronic copy		Digital project drive

ID	Type of Information	Description	Date produced	Info source	Date received	Media type	Comments	Storage location
60	Electronic document	The impact of disposal of marine dredged material on the Wash and North Norfolk Coast candidate Special Area of Conservation (cSAC) (Defra and CEFAS)	01-Sep-01	CEFAS website (www.cefas.co.uk)	03/05/07	Electronic copy		Digital project drive
64	Electronic data	Wash and North Norfolk SMP Initial Spatial Data Supply (Environment Agency)	02-May-07	Annabelle Foot (Environment Agency)	03/05/07	Electronic files		Digital project drive
66	Hard copy	Performance of the beach management system (BMS) at Holme dunes, North Norfolk (Environment Agency)	01-Jul-97	Annabelle Foot (Environment Agency)	03/05/07	Hard copy		Project archive

ID	Type of Information	Description	Date produced	Info source	Date received	Media type	Comments	Storage location
69	Electronic document	Lincs wind farm EIA (Centrica energy in association with RES and AMEC)	01-Jan-07	Annabelle Foot (Environment Agency)	03/05/07	Electronic copy (CD)	Appendices stored on I: drive	Project archive
70	Hard copy	Hydrodynamic assessment of Brancaster west marsh (Environment Agency and Mouchel Consulting Ltd)	01-Jun-97	Environment Agency	03/05/07	Hard copy		Project archive
71	Hard copy	Holme dunes: Coastal processes and geomorphology study (Department of Marine Sciences and Coastal Management, University of Newcastle)		Environment Agency	03/05/07	Hard copy		Project archive

ID	Type of Information	Description	Date produced	Info source	Date received	Media type	Comments	Storage location
72	Hard copy	Salthouse drainage improvement scheme consultation document (Environment Agency)	01-Aug-04	Environment Agency	03/05/07	Hard copy		Project archive
79	Hard copy	Holme dunes: Coastal processes and geomorphology study (Department of Marine Sciences and Coastal Management, University of Newcastle)		Annabelle Foot (Environment Agency)	04/05/07	Hard copy		Project archive
82	Hard copy	Race Bank offshore wind farm environmental scoping document (Amec and Centrica Energy)	01-Jul-06	Annabelle Foot (Environment Agency)	04/05/07	Hard copy		Project archive

ID	Type of Information	Description	Date produced	Info source	Date received	Media type	Comments	Storage location
86	Hard copy	Littoral sediments of the Wash and North Norfolk Coast SAC: the 1998 and 1999 surveys of intertidal sediment and invertebrates (English Nature)	01-Aug-02	Annabelle Foot (Environment Agency)	04/05/07	Hard copy	Already have hard copy and scanned version - ID28	Project archive
87	Electronic document	National Assessment of Defence Needs and Cost for Flood and Coastal Erosion Management (NADNAC) (Halcrow, HR Wallingford and John Chatterton Associates)	01-Jun-04	Jaap Flikweert (Royal Haskoning)	09/05/07	Electronic PDF copy	Used in the assessment of deterioration for coastal defences (task 2.1b)	Digital project archive
91	Electronic document	Cliff recession and behaviour studies, Hunstanton, UK (Drake, A.R. and Phipps, P.J.)	13-Sep-06	BIC (Sandra Jellis)	17/05/07	Electronic PDF document		Digital project archive

ID	Type of Information	Description	Date produced	Info source	Date received	Media type	Comments	Storage location
92	Electronic photos	Aerial photos of overtopping events at Cley and Salthouse, North Norfolk	17-May-07	Mike Page (Mike Page photo library, Strumpshaw)	18/05/07	CD		Digital project archive
92	Electronic photos	Aerial photos of overtopping events at Cley and Salthouse, North Norfolk	17-May-07	Mike Page (Mike Page photo library, Strumpshaw)	18/05/07	CD		Digital project archive
108	Electronic document	Sheringham to Lowestoft Shoreline Management Plan Sediment sub-cell 3B phase 1 volume 2 studies and reports	01-May-95	David Welsh (EA) via Mark Donaghue (Newcastle office)	29/05/07	Electronic PDF document		Digital project archive
109	Electronic document	Sheringham to Lowestoft Shoreline Management Plan Sediment sub-cell 3B Phase 2 Shoreline Management Plan strategy document	01-May-95	David Welsh (EA) via Mark Donaghue (Newcastle office)	29/05/07	Electronic PDF document		Digital project archive

ID	Type of Information	Description	Date produced	Info source	Date received	Media type	Comments	Storage location
128	Electronic document	Eastern and Central areas extreme tide levels. Report for Environment Agency Anglian region (Royal Haskoning)	01-Feb-07	David Worth (RH)	06/06/07	Electronic PDF copy		Digital project archive
129	Electronic document	Northern tidal modelling: Tidal analysis report Commission AN 645 (Mott MacDonald and Environment Agency)	01-Nov-06	Annabelle Foot (Environment Agency)	11/06/07	Electronic PDF copy		Digital project archive
130	Electronic document	Eastern and Central areas: Report on extreme tide levels (Royal Haskoning and Environment Agency)	01-Feb-07	Annabelle Foot (Environment Agency)	11/06/07	Electronic PDF copy		Digital project archive
131	Electronic document	Combined extreme tide levels spreadsheet		Annabelle Foot (Environment Agency)	11/06/07	Electronic excel spreadsheet		Digital project archive

ID	Type of Information	Description	Date produced	Info source	Date received	Media type	Comments	Storage location
132	Electronic files	Combined extreme tide levels shape files (six in total)		Annabelle Foot (Environment Agency)	11/06/07	.dbf, .prj, .sbn, .sbx, .shp, .shx		Digital project archive
135	Hard copy	Wash and north Norfolk coast European Marine Site: English Nature's advice given under regulation 33(2) of the Conservation (Natural Habitats &c.) Regulations 1994 (English Nature)	14-Jun-00	Annabelle Foot (Environment Agency)	15/06/07	Hard copy		Project archive
138	Hard copy	Report no. 336 Broad scale remote survey and mapping of sub-littoral habitats and biota of the Wash and Lincolnshire and north Norfolk coasts (English Nature)	01-Jan-99	Annabelle Foot (Environment Agency)	15/06/07	Hard copy	Exact date of publication not known	Project archive

ID	Type of Information	Description	Date produced	Info source	Date received	Media type	Comments	Storage location
140	Hard copy	Hunstanton/ Heacham project appraisal report 2007 (draft) (Environment Agency)	01-Mar-07	Annabelle Foot (Environment Agency)	09/07/07	Hard copy	Scheme not yet approved (26-06-07)	Project archive
141	CD	Unfiltered and filtered LiDAR data (four CDs) (Environment Agency Science Enterprise Centre)	05-Jul-07	Philip Busby (EA Science Enterprise Centre)	05/07/07	CD		Project archive
142	CD, hard copy and digital version	Norfolk Rapid Coastal Zone Archaeological Survey: Assessment report and updated project design report no. 1045 Part one: Assessment report (NPS Norfolk Archaeological Unit)	01-Apr-05	NPS NAU Archaeology	02/07/07	Hard copy and PDF	CD and digital version contain both report and appendices in one file	Project archive

ID	Type of Information	Description	Date produced	Info source	Date received	Media type	Comments	Storage location
143	CD, hard copy and digital version	Norfolk Rapid Coastal Zone Archaeological Survey: Assessment report and updated project design report no. 1045 Part two: appendices and figures (NPS Norfolk Archaeological Unit)	01-Apr-05	NPS NAU Archaeology	02/07/07	Hard copy and PDF	* CD and digital version contains both the report and appendices in one file	Project archive
144	Hard copy	Anglian coastal monitoring programme coastal trends analysis: the Wash - Gibraltar Point to Old Hunstanton (EA Shoreline Management Group)	01-Mar-07	EA Shoreline Management Group	06/07/07	Hard copy	Draft	Project archive

ID	Type of Information	Description	Date produced	Info source	Date received	Media type	Comments	Storage location
147	Electronic copy	Hunstanton Heacham Beach Management Manual (draft) (Jacobs and Environment Agency)	01-Jul-2007	Richard Collins (Jacobs) Richard.Collins@jacobs.com	16/07/07	Electronic PDF copy	Draft only - manual still in review process (16-07-07)	Digital project archive
148	Electronic copy	Conservation objectives timetable (Wash SMP CSG)	20-Jul-2007	Peter Rushmer (Wash SMP CSG)	20/07/07	Electronic copy		Digital project archive
149	Electronic copy	SEA elements and Defra guidance (Peter Doktor)	24-Nov-2006	Peter Doktor	20/07/07	Electronic copy		Digital project archive
150	Electronic copy	Table of features and issues (Environment Agency)	12-Jul-2007	Duncan Campbell (Environment Agency)	12/07/2007	Electronic copy	Table of features and issues compiled at Wash Project Team meeting	Digital project archive
151	Electronic copy	Wash and North Norfolk coast European Marine Site draft conservation objectives - Annex 1 attribute table		Annabelle Foot (Environment Agency)	10/08/07	Electronic copy		Digital project archive

ID	Type of Information	Description	Date produced	Info source	Date received	Media type	Comments	Storage location
152	Electronic copy	Wash and North Norfolk Coast European Marine Site draft conservation objectives - Annex 2 timetable v3		Annabelle Foot (Environment Agency)	10/08/07	Electronic copy		Digital project archive
153	Electronic copy	Wash and North Norfolk Coast European Marine Site draft condition monitoring programme: summary and guidance document		Annabelle Foot (Environment Agency)	10/08/07	Electronic copy		Digital project archive
154	Electronic copy	Wash and North Norfolk Coast European Marine Site draft conservation objectives - SSSI intertidal flats Annex 1 biotope composition 1997 code only	12-Jan-07	Annabelle Foot (Environment Agency)	17/08/07	Electronic copy		Digital project archive

ID	Type of Information	Description	Date produced	Info source	Date received	Media type	Comments	Storage location
155	Electronic copy	Wash and North Norfolk Coast European Marine Site draft conservation objectives - N Norfolk SSSI intertidal flats extent and other attributes	29-Jun-07	Annabelle Foot (Environment Agency)	17/08/07	Electronic copy		Digital project archive
156	Electronic copy	Wash and North Norfolk Coast European Marine Site draft conservation objectives - Wash SSSI CO intro	29-Jun-07	Annabelle Foot (Environment Agency)	17/08/07	Electronic copy		Digital project archive
157	Electronic copy	Wash and North Norfolk Coast European Marine Site draft conservation objectives - Wash SSSI intertidal flats extent and other attributes	29-Jun-07	Annabelle Foot (Environment Agency)	17/08/07	Electronic copy		Digital project archive

ID	Type of Information	Description	Date produced	Info source	Date received	Media type	Comments	Storage location
158	Electronic copy	Wash and North Norfolk Coast European Marine Site draft conservation objectives - Wash and N Norfolk SSSI intertidal flats annex 3 cockle v2	03-Jul-07	Annabelle Foot (Environment Agency)	17/08/07	Electronic copy		Digital project archive
159	Electronic copy	Wash and North Norfolk Coast European Marine Site draft conservation objectives - Wash SSSI intertidal flats annex 2 Wash mussel v2	03-Jul-07	Annabelle Foot (Environment Agency)	17/08/07	Electronic copy		Digital project archive
160	Electronic copy	Wash and North Norfolk Coast European Marine Site draft conservation objectives - Wash SSSI intertidal flats annex 4 Wash spp popn measure v2	03-Jul-07	Annabelle Foot (Environment Agency)	17/08/07	Electronic copy		Digital project archive

ID	Type of Information	Description	Date produced	Info source	Date received	Media type	Comments	Storage location
161	Electronic copy	Wash and North Norfolk Coast European Marine Site draft conservation objectives - Wash SSSI LSIB extent and other attributes	04-Jul-07	Annabelle Foot (Environment Agency)	17/08/07	Electronic copy		Digital project archive
162	Electronic copy	Wash and North Norfolk Coast European Marine Site draft conservation objectives - Wash SSSI otter attributes	19-Jul-07	Annabelle Foot (Environment Agency)	17/08/07	Electronic copy		Digital project archive
163	Electronic copy	Wash and North Norfolk Coast European Marine Site draft conservation objectives - Wash SSSI harbour seal extent and other attributes	20-Jul-07	Annabelle Foot (Environment Agency)	17/08/07	Electronic copy		Digital project archive

ID	Type of Information	Description	Date produced	Info source	Date received	Media type	Comments	Storage location
164	Electronic copy	Wash and North Norfolk Coast European Marine Site draft conservation objectives - Wash SSSI LSIB and sub-tidal sandbanks annex 5 biotope composition 1997 and 2004 code	02-Aug-07	Annabelle Foot (Environment Agency)	17/08/07	Electronic copy		Digital project archive
165	Electronic copy	Wash and North Norfolk Coast European Marine Site draft conservation objectives - Wash SSSI sub-tidal sandbanks extent and other attributes	02-Aug-07	Annabelle Foot (Environment Agency)	17/08/07	Electronic copy		Digital project archive

ID	Type of Information	Description	Date produced	Info source	Date received	Media type	Comments	Storage location
166	Electronic copy	Wash and North Norfolk Coast European Marine Site draft conservation objectives - Wash and N Norfolk coast EMS CO summary	06-Aug-07	Annabelle Foot (Environment Agency)	17/08/07	Electronic copy		Digital project archive
167	Electronic copy	Wash and North Norfolk Coast European Marine Site draft conservation objectives - Wash and N Norfolk coast EMS CO summary annex 1 attribute table	06-Aug-07	Annabelle Foot (Environment Agency)	17/08/07	Electronic copy		Digital project archive

ID	Type of Information	Description	Date produced	Info source	Date received	Media type	Comments	Storage location
168	Electronic copy	Wash and North Norfolk Coast European Marine Site draft conservation objectives - Wash and N Norfolk coast EMS CO summary annex 2 timetable v3	06-Aug-07	Annabelle Foot (Environment Agency)	17/08/07	Electronic copy		Digital project archive
169	Electronic copy	Wash and North Norfolk Coast European Marine Site draft conservation objectives - Wash SSSI reef extent and other attributes	06-Aug-07	Annabelle Foot (Environment Agency)	17/08/07	Electronic copy		Digital project archive

ID	Type of Information	Description	Date produced	Info source	Date received	Media type	Comments	Storage location
170	Electronic copy	Wash and North Norfolk Coast European Marine Site draft conservation objectives - Wash SSSI saline lagoons extent and other attributes	06-Aug-07	Annabelle Foot (Environment Agency)	17/08/07	Electronic copy		Digital project archive
171	Electronic copy	Wash and North Norfolk coast European Marine Site draft conservation objectives - Gibraltar Point SSSI CO intro CD	01-Aug-07	Annabelle Foot (Environment Agency)	17/08/07	Electronic copy		Digital project archive
172	Electronic copy	Wash and North Norfolk coast European Marine Site draft conservation objectives - Gibraltar Point SSSI and SPA	01-Aug-07	Annabelle Foot (Environment Agency)	17/08/07	Electronic copy		Digital project archive

ID	Type of Information	Description	Date produced	Info source	Date received	Media type	Comments	Storage location
173	Electronic copy	Wash and North Norfolk coast European Marine Site draft conservation objectives - Gibraltar Point SSSI saltmarsh	09-Mar-05	Annabelle Foot (Environment Agency)	17/08/07	Electronic copy		Digital project archive
174	Electronic copy	Wash and North Norfolk Coast European Marine Site draft conservation objectives - Wash SSSI saltmarsh extent and other attributes v2	02-Dec-05	Annabelle Foot (Environment Agency)	17/08/07	Electronic copy		Digital project archive
175	Electronic copy	Wash and North Norfolk Coast European Marine Site draft conservation objectives - N Norfolk Coast SSSI CO intro	30-Nov-06	Annabelle Foot (Environment Agency)	17/08/07	Electronic copy		Digital project archive

ID	Type of Information	Description	Date produced	Info source	Date received	Media type	Comments	Storage location
176	Electronic copy	Wash and North Norfolk Coast European Marine Site draft conservation objectives - North Norfolk Coast SPA summary table	06-Aug-07	Annabelle Foot (Environment Agency)	17/08/07	Electronic copy		Digital project archive
177	Electronic copy	Wash and North Norfolk Coast European Marine Site draft conservation objectives - the Wash SPA summary table	08-Aug-07	Annabelle Foot (Environment Agency)	17/08/07	Electronic copy		Digital project archive
178	Electronic copy	Wash and North Norfolk Coast European Marine Site draft conservation objectives - N Norfolk Coast SSSI saltmarsh extent and other attributes	06-Dec-05	Annabelle Foot (Environment Agency)	17/08/07	Electronic copy		Digital project archive

ID	Type of Information	Description	Date produced	Info source	Date received	Media type	Comments	Storage location
183	Electronic copy	Broadland, North Norfolk and South Norfolk District Councils, Norwich City Council and the Broads Authority Strategic Flood Risk Assessment: Stage 1 inception and terms of reference for stage 2 (JBA Consulting)	01-Oct-06	Internet	23/08/07	Electronic pdf copy		Digital project archive
185	Electronic copy	Norfolk SMP (3b) home web page (Anglian Coastal Authorities Group)		Internet	23/08/07	Electronic html document		Digital project archive
186	Electronic copy	Norfolk SMP (3b) appendix A: SMP development (Halcrow Group)		Internet	23/08/07	Electronic pdf copy		Digital project archive
187	Electronic copy	North Norfok.org coast protection website (North Norfolk District Council)		Internet	23/08/07	Electronic html document		Digital project archive

ID	Type of Information	Description	Date produced	Info source	Date received	Media type	Comments	Storage location
188	Electronic copy	North Norfolk Catchment Flood Management Plan (CFMP): Consultation main stage report (Environment Agency)	01-Jun-07	Duncan Campbell (Environment Agency)	24/08/07	Electronic pdf copy		Digital project archive
189	Electronic copy	North Norfolk Catchment Flood Management Plan (CFMP): Summary of scoping report (Environment Agency)	01-Dec-06	Internet	29/08/07	Electronic pdf copy		Digital project archive
190	Electronic copy	A Vision for Nature Conservation in the Norfolk Coast Area of Outstanding Natural Beauty (AONB) 1997-2022 (English Nature)	01-Apr-98	Annabelle Foot (Environment Agency)	31/08/07	Electronic pdf copy		Digital project archive

ID	Type of Information	Description	Date produced	Info source	Date received	Media type	Comments	Storage location
192	Electronic copy	Saltmarsh review: An overview of coastal saltmarshes, their dynamic and sensitivity characteristics for conservation and management JNCC report no. 334 (Laurie Boorman)	01-Feb-03	Internet	14/09/07	Electronic pdf copy		Digital project archive
193	Electronic copy	Flood and Coastal Defence Appraisal Guidance (FCDPAG) 3 economic appraisal supplementary note to operating authorities - climate change impacts (Defra)	01-Oct-06	Internet - Defra website	13/09/07	Electronic pdf copy		Digital project archive
194	Electronic copy	North Norfolk Coast CHaMP "norfolk.dbf"		Environment Agency	02/10/07	.dbf file		Digital project archive

ID	Type of Information	Description	Date produced	Info source	Date received	Media type	Comments	Storage location
195	Electronic copy	North Norfolk Coast CHaMP "norfolk.shp"		Environment Agency	02/10/07	.shp file		Digital project archive
196	Electronic copy	North Norfolk Coast CHaMP "norfolk.shx"		Environment Agency	02/10/07	.shx file		Digital project archive
198	Electronic copy	Hunstanton-Heacham sea defences and Hunstanton-Snettisham nourishment design report amendment 01LMB12077 (Babtie Brown and Root JV)	01-Feb-04	Environment Agency	29/09/07	Electronic pdf copy		Digital project archive
200	Electronic file	Gibraltar Point to Norfolk map base		Environment Agency	29/09/07	.dwg file		Digital project archive
201	Electronic file	Cley and Salthouse: Beach plan (Environment Agency and Natural England)	01-Oct-06	Environment Agency	01/01/90	Electronic word doc		Digital project archive

ID	Type of Information	Description	Date produced	Info source	Date received	Media type	Comments	Storage location
202	Electronic file	Salthouse and Cley marshes: Drainage improvement scheme project appraisal report. Authority scheme reference IMMTB41550 (Halcrow and Environment Agency)	01-Mar-05	Environment Agency	01/01/90	Electronic word document		Digital project archive
204	CD	North Norfolk Catchment Abstraction Management Strategy (Environment Agency)	01-Mar-05	Annabelle Foot (Environment Agency)	10/10/07	Electronic pdf		Digital project archive

ID	Type of Information	Description	Date produced	Info source	Date received	Media type	Comments	Storage location
205	CD	North Norfolk Catchment Flood Management Plan (draft main stage May 2007) (Environment Agency and Jeremy Benn Associates Ltd)	01-Jun-07	Annabelle Foot (Environment Agency)	10/10/07	Electronic pdf		Digital project archive
206	CD	North Norfolk 1993 flooding report (Stan Jeavons)	01-Oct-93	Annabelle Foot (Environment Agency)	10/10/07	Electronic copy		Digital project archive
207	CD	Blakeney Freshes - River Glaven diversion and Cley and Salthouse marshes drainage improvements consultation document (Environment Agency)		Annabelle Foot (Environment Agency)	10/10/07	Electronic pdf		Digital project archive
208	CD	Blakeney project appraisal report (Environment Agency)	01-Mar-02	Annabelle Foot (Environment Agency)	10/10/07	Electronic word		Digital project archive

ID	Type of Information	Description	Date produced	Info source	Date received	Media type	Comments	Storage location
209	CD	Map 1 - Salthouse, Cley and Blakeney location map (Environment Agency)		Annabelle Foot (Environment Agency)	10/10/07	Electronic copy		Digital project archive
210	CD	Map 2 - Salthouse drainage improvements study area (Halcrow)	01-Jul-04	Annabelle Foot (Environment Agency)	10/10/07	Electronic copy		Digital project archive
211	CD	Salthouse drainage improvement scheme consultation document (Environment Agency)	01-Aug-04	Annabelle Foot (Environment Agency)	10/10/07	Electronic pdf		Digital project archive
212	Electronic file	Cromer coastal strategy final report (Ex 4363) (HR Wallingford)	01-Dec-02	Alec Sleigh (RH)	11/10/07	Electronic pdf		Digital project archive
213	Electronic file	Cromer coastal strategy final report appendices (Ex 4363) (HR Wallingford)	01-Mar-02	Alec Sleigh (RH)	11/10/07	Electronic pdf		Digital project archive

ID	Type of Information	Description	Date produced	Info source	Date received	Media type	Comments	Storage location
214	Electronic file	Cromer coastal strategy final report executive summary (Ex 4363) (HR Wallingford)	01-Jan-03	Alec Sleigh (RH)	11/10/07	Electronic pfd		Digital project archive
215	Electronic data	North Norfolk NFCDD data		Duncan Campbell (Environment Agency)	15/10/07	Electronic files		Digital project archive
216	CD	Shingle bank at Cley and Salthouse after storm events (Mike Page)		Mike Page aerial photo library	15/10/07	CD		Digital project archive
217	Electronic file	Hunstanton sea defence condition survey (St La Haye Limited)	01-Jun-05	Derek Barrett (Borough Council of King's Lynn and West Norfolk)	15/10/07	Electronic word file		Digital project archive
221	Electronic file	North Norfolk SAR data (TF93, TG03, TG04, TG13, TG14) (Environment Agency)		Tomar Chierici (Environment Agency - Science Enterprise Centre)	18/10/07	CD		Digital project archive
222	Electronic file	Titchwell marshes standard of defence report - appendix A		Royal Haskoning archives	23/10/07	Electronic word file		Digital project archive

ID	Type of Information	Description	Date produced	Info source	Date received	Media type	Comments	Storage location
223	Electronic files	North Norfolk LiDAR catalogue (Environment Agency)		Adam Tobin (Environment Agency)	06/11/07	Various		Digital project archive
224	Electronic files	North Norfolk InterMap IfSAR data ESRI grid format (Environment Agency)	06-Nov-06	Adam Tobin (Environment Agency)	07/11/07	Various		Digital project archive
225	Electronic files	North Norfolk filtered and unfiltered LiDAR data (Environment Agency)	06-Nov-06	Tomar Chierici (Environment Agency Science Enterprise Centre)	07/11/07	Various		Digital project archive
226	Electronic files	Shingle bank at Cley and Salthouse after surge 09.11.0 (Mike Page)	09-Nov-07	Mike Page aerial photo library	12/11/07	Electronic files		Digital project archive
227	CD	Shingle bank at Cley and Salthouse after surge 09.11.07 (Mike Page)	20-Nov-07	Mike Page aerial photo library	21/11/07	CD		Digital project archive

ID	Type of Information	Description	Date produced	Info source	Date received	Media type	Comments	Storage location
228	DVD	OS Mastermap for North Norfolk coast		Lloyd Harland (Environment Agency Leeds)	19/11/07	DVD		Digital project archive
229	CD	OS 1:10k, 1:25k and 1:250k colour raster tiles	05-Dec-07	Alan McLean (Environment Agency)	10/12/07	CD		Digital project archive
230	Hard copy	Rapid Coastal Zone Assessment Survey Yorkshire and Lincolnshire: Gibraltar Point to Norfolk (English Heritage and Humber Field Archaeology)	01-Jul-07	Environment Agency (?)	31/12/07	Hard copy		Project archive
231	DVD	Aerial photography Norfolk 1992, 1997, 2003, 2005 and 2006 .ecw images, fully orthorectified (Environment Agency SMG)	08-Jan-08	Environment Agency (Annabelle Foot)	09/01/08	DVD		Project archive

ID	Type of Information	Description	Date produced	Info source	Date received	Media type	Comments	Storage location
233	Electronic file	Partnership of Norfolk district council's Strategic Flood Risk Assessment (SFRA) subsidiary report A North Norfolk District Council area (Millard Consulting Engineers)	01-Dec-07	Rob Young (Senior Planner, NNDC)	30/01/08	Electronic pdf		Digital project archive
234	Electronic file	Partnership of Norfolk District Council's Strategic Flood Risk Assessment (SFRA) North Norfolk District Council flood probability maps (Millard Consulting Engineers)	01-Dec-07	Rob Young (Senior Planner, NNDC)	30/01/08	Electronic word document		Digital project archive

ID	Type of Information	Description	Date produced	Info source	Date received	Media type	Comments	Storage location
235	Electronic file	Review of the Norfolk Coast AONB Management Plan: Coastal change workshop (Norfolk coast partnership)	30-Oct-07	Tim Venes (Norfolk Coast Partnership manager)	01/02/08	Electronic word document		Digital project archive
236	Electronic files	Flood zones 2 and 3 maps (with tidal and fluvial differentiations in their attribute tables) (Environment Agency) .dbf, .prj, .sbn, .sbx, .shp, .shx files		Duncan Campbell (Environment Agency)	01/02/08	Various		Digital project archive
237	Electronic files	North Norfolk LiDAR catalogue (Environment Agency)		Duncan Campbell (Environment Agency)	01/02/08	Various		Digital project archive
240	CD	SFRA breach analyses (North Norfolk District Council)		North Norfolk District Council	08/02/08	CD		Project archive

ID	Type of Information	Description	Date produced	Info source	Date received	Media type	Comments	Storage location
241	Hard copy	Anglian coastal monitoring programme coastal trends analysis draft report: North Norfolk (Old Hunstanton to Kelling)	01-Nov-07	Gary Watson (Shoreline Management Group)	30/11/07	Hard copy		Project archive
242	Electronic file	National Trust CRA II North Norfolk coast (National Trust)		Dr Stuart Warrington (National Trust)	19/03/08	Electronic excel file		Digital project archive
243	Electronic file	'The movement of beach material and wave action near Blakeney Point, Norfolk', Trans. Inst. Br. Geogr. 34, 53-69 (Hardy 1964)	01-Jan-64	Internet	18/04/08			

ID	Type of Information	Description	Date produced	Info source	Date received	Media type	Comments	Storage location
244	Electronic file	Cley-next-the-Sea and its marshes. Transactions of the Norfolk and Norwich Naturalists Society, 12 (3), 354-373 (Cozens Hardy)		Internet	18/04/08			
245	Electronic File	Hydrodynamics and sediment dynamics of the Wash embayment, eastern England. Sedimentology, 43, 157-174 (Ke et al 1996)		Internet	18/04/08			
247	Electronic file	Article unknown (Vincent 1977)	01-Jan-77	Internet	18/04/08			
249	Electronic file	Longshore sand transport rates - a simple model for East Anglian coastlines (Vincent 1979)	01-Jan-79	Internet	18/04/08			
250	Electronic file	Shingle longshore transport (Vincent 1979)	01-Jan-79	Internet	18/04/08			

ID	Type of Information	Description	Date produced	Info source	Date received	Media type	Comments	Storage location
251	Electronic file	Potential sand transport (Vincent 1979)	01-Jan-79	Internet	18/04/08			
252	Electronic file	Article unknown (Onyett and Simmonds date unknown)		Internet	18/04/08			
253	Electronic file	Article unknown (Andres et a 1999)	01-Jan-99	Internet	18/04/08			
254	Electronic file	Admiralty tidal chart no. 108 (Admiralty publications)	01-Jan-90	Royal Haskoning	18/04/08	Electronic pdf		Digital project archive
256	CD	Address point dataset - North Norfolk April 2008	08-Apr-08	Environment Agency	28/08/08	Various		Digital project archive
257	Electronic file	Agricultural land classification of England and Wales (MAFF)	01-Jan-88	Internet	30/04/08	Electronic pdf		Digital project archive

ID	Type of Information	Description	Date produced	Info source	Date received	Media type	Comments	Storage location
284	Hard copy	Anglian sea defence management study - Stage III monitoring guidelines (Halcrow for NRA Anglian region)	01-Jan-91	Ian Constable (Environment Agency Asset Systems Management team)	13/10/08	Hard copy	Hard copy has also been scanned	Digital project archive
285	Electronic file	A cost-benefit appraisal of coastal managed realignment policy (Turner et al 2007)	28-May-07	Internet	15/10/08	Electronic pdf		Digital project archive
286	Electronic file	A preliminary evaluation of wave attenuation by four species of seagrass (Fonseca and Cahalan 1992)	05-Jun-92	Internet	15/10/08	Electronic pdf		Digital project archive

ID	Type of Information	Description	Date produced	Info source	Date received	Media type	Comments	Storage location
287	Electronic file	Application of LIDAR digital terrain modelling to predict intertidal habitat development at a managed retreat site: Abbots Hall, Essex	05-Feb-04	Internet	15/10/08	Electronic pdf		Digital project archive
288	Electronic file	Coastal cliff behaviour: Observations on the relationship between beach levels and recession rates (Lee 2008)	19-Feb-2008	Internet	15/10/08	Electronic pdf		Digital project archive
289	Electronic file	Coastal defence and the Habitats directive: predictions of habitat change in England and Wales (Lee 2000)	01-Oct-00	Internet	15/10/08	Electronic pdf		Digital project archive

ID	Type of Information	Description	Date produced	Info source	Date received	Media type	Comments	Storage location
290	Electronic file	Dynamics of sedimentation in a tide-dominated back barrier saltmarsh, Norfolk, UK (French and Spencer 1992)	19-Nov-92	Internet	15/10/08	Electronic pdf		Digital project archive
291	Electronic file	English Nature's estuaries initiative: A review of its contribution to ICZM (Morris 2007)	13-May-07	Internet	15/10/08	Electronic pdf		Digital project archive
292	Electronic file	Habitat creation opportunities for landward coastal re-alignment: Essex case studies (Dixon et al)	12-Apr-98	Internet	15/10/08	Electronic pdf		Digital project archive
293	Electronic file	Integrated coastal management: A comparative analysis for four UK initiatives (Stojanovic and Ballinger 2008)	01-Jan-08	Internet	15/10/08	Electronic pdf		Digital project archive

ID	Type of Information	Description	Date produced	Info source	Date received	Media type	Comments	Storage location
294	Electronic file	Interactions between waves, bank erosion and emergent vegetation: an experimental study in a wave tank (Coops et al 1996)	18-Jan-96	Internet	15/10/08	Electronic pdf		Digital project archive
295	Electronic file	Managing by principle: A critical analysis of the European principles of Integrated Coastal Zone Management (ICZM) (McKenna et al 2008)	03-Feb-08	Internet	15/10/08	Electronic pdf		Digital project archive
296	Electronic file	Medium timescale stability of tidal mudflats in Bridgwater Bay, Bristol channel, UK: Influence of tides, waves and climate (Kirby and Kirby 2008)	19-Aug-08	Internet	15/10/08	Electronic pdf		Digital project archive

ID	Type of Information	Description	Date produced	Info source	Date received	Media type	Comments	Storage location
297	Electronic file	Monitoring the development of intertidal habitats on former agricultural land after the managed realignment of coastal defences at Tollesbury, Essex, UK (Garbutt et al 2006)	01-Jan-06	Internet	15/10/08	Electronic pdf		Digital project archive
298	Electronic file	Quantifying saltmarsh vegetation and its effect on wave height dissipation: Results from a UK east coast saltmarsh	02-May-06	Internet	15/10/08	Electronic pdf		Digital project archive
299	Electronic file	Sea defence and nature conservation: threat or opportunity (Doody 1992)	01-Jan-92	Internet	15/10/08	Electronic pdf		Digital project archive

ID	Type of Information	Description	Date produced	Info source	Date received	Media type	Comments	Storage location
300	Electronic file	Sea level rise research and dialogue in North Carolina: Creating windows for policy change (Poulter et al 2008)	10-Sep-08	Internet	15/10/08	Electronic pdf		Digital project archive
302	Electronic file	The creation of compensatory habitat - Can it secure sustainable development? (Morris et al 2006)	20-Jan-06	Internet	15/10/08	Electronic pdf		Digital project archive
303	Electronic file	The Humber Estuary, Eastern England: Strategic planning of flood defences and habitats (Edwards and Winn 2006)	01-Jan-06	Internet	15/10/08	Electronic pdf		Digital project archive

ID	Type of Information	Description	Date produced	Info source	Date received	Media type	Comments	Storage location
304	Electronic file	The impact of sika deer grazing on the vegetation and infauna of Arne saltmarsh (Hannaford et al 2006)	01-Jan-06	Internet	15/10/08	Electronic pdf		Digital project archive
305	Electronic file	The sea defence value of salt marshes: field evidence from North Norfolk (Moller et al 2001)	15-May-01	Internet	15/10/08	Electronic pdf		Digital project archive
306	Electronic file	Towards sustainable flood and coastal management: identifying drivers of, and obstacles to, managed realignment (Ledoux et al 2004)	22-Mar-04	Internet	15/10/08	Electronic pdf		Digital project archive

ID	Type of Information	Description	Date produced	Info source	Date received	Media type	Comments	Storage location
307	Electronic file	Wave dissipation over macro-tidal saltmarshes: effects of marsh edge typology and vegetation change (Moller and Spencer 2002)	01-Jan-02	Internet	15/10/08	Electronic pdf		Digital project archive
308	Electronic file	Wave transformation over salt marshes: a field and numerical modelling study from North Norfolk, England (Moller et al 1999)	04-May-99	Internet	15/10/08	Electronic pdf		Digital project archive

ID	Type of Information	Description	Date produced	Info source	Date received	Media type	Comments	Storage location
310	Hard copy	Anglian Offshore Dredging Association (AODA) Marine aggregates regional environmental assessment - scoping report (Emu Ltd 2008)	01-Nov-08	Dr Bruce Tomlinson (Emu Ltd)	15/12/08	Hard copy		Project archive
311	Electronic file	Anglian Offshore Dredging Association (AODA) Marine aggregates regional environmental assessment - scoping report appendices (Emu Ltd 2008)	01-Nov-08	Dr Bruce Tomlinson (Emu Ltd)	15/12/08	Electronic pdf (on CD)		Digital project archive

ID	Type of Information	Description	Date produced	Info source	Date received	Media type	Comments	Storage location
312	Electronic file	Studies of Aggregate Dredging in the AODA Region 1994-2007 (HR Wallingford)		Dr Bruce Tomlinson (Emu Ltd)	15/12/08	Electronic pdf (on CD)		Digital project archive
313	Electronic file	Assessing breaching risk in coastal gravel barriers (Hartley and Pontee 2008)	01-Dec-08	Proceedings of the Institution of Civil Engineers Maritime Engineering, 161, 143-152	12/02/09	Electronic pdf		Digital project archive
314	Electronic file	Anglian coastal monitoring programme Phase IV 2006/7 - 2010/11: Sea state report for Norfolk coast (Year 1 Oct 2006 to Sept 2007)	01-Mar-09	Environment Agency Shoreline Management Group	03/03/09	Electronic pdf		Digital project archive

ID	Type of Information	Description	Date produced	Info source	Date received	Media type	Comments	Storage location
316	Electronic file	Anglian Water affected assets - North Norfolk SMP (Anglian Water Asset Data Management Centre 2009)	27-Mar-2009	Anglian Water Asset Data Management Centre (David Quincey)	27/03/09	Electronic pdf		Digital project archive