

## Appendices

### A Data Review

Table A-1 to A-4 describe the data collated from the Environment Agency, Kent County Council, Shepway District Council and Southern Water, its quality and relevance to the Surface Water Management Plan.

**Table A-1 Data provided by the Environment Agency**

(National datasets provided from the Environment Agency as opposed to directly from Kent County Council as the Stage 1 SWMP was undertaken in partnership with the Environment Agency).

Data Received	Details	Quality of Data
Main River Centrelines		
Flood Map	Environment Agency Flood Zone maps.	Defines the National Flood Zone Maps, created by combination of National Flood Maps and detailed modelling studies. The current version does not include the recent modelling carried out for the Pent Stream.
Detailed River Network	River Network including Ordinary Watercourse	The classification for Main River is not clear within the attributes of the GIS files.
Historic Flood Map	Mapped events to 2011	
Areas Susceptible to Surface Water Flooding (AStSWF)	Surface water flood maps give an indication of the areas likely to be at risk of surface water flooding.	Broadscale mapping, not suitable for identifying whether an individual property will flood as a result of surface water
Flood Maps for Surface Water (FMfSW)	The Flood Map for Surface Water shows predictions of flooded areas but does not show whether individual properties will be affected by surface water flooding or have been affected in the past.	1 in 200yr Deeper Surface Water Flooding (flooding greater than 0.3m deep) will be useful to aid identification of pathways and receptors within the SWMP.
Areas Susceptible to Ground Water Flooding (AStGWF)	Strategic scale map illustrating areas a risk of groundwater flooding.	Based on a 1km <sup>2</sup> grid set, suitable for strategic high scale assessments, this should not be used for small scale individual assessments.
Groundwater vulnerability zones	The EA have defined Source Protection Zones (SPZs). These zones show the risk of contamination from any activities that might cause pollution in the area.	Useful for determine the appropriate type of SUDS to use within a specific area
Groundwater Source protection zones	The EA have defined Source Protection Zones (SPZs). These zones show the risk of contamination from any activities that might cause pollution in the area.	The SPZ is a useful map to determine the type of SUDS that should be used within the study area.
National Receptors Database	The National Receptor Dataset (NRD) is a collection of receptors.	NRD contains a number of datasets arranged in the themes of Buildings, Transport, Utilities, Land Use, Agriculture, Heritage, Environment and Miscellaneous. Each

Data Received	Details	Quality of Data
		information theme contains a number of relevant data layers.
Pent Stream Modelling Study (2012)	Flood Risk Mapping (FRM) Study of the Pent Stream in Folkestone, Kent.	The flood map outputs from this study use more detailed analysis of the Pent Stream than the Environment Agency Flood Zone maps.

**Table A-2 Data provided by Kent County Council**

Data Received	Details	Quality of Data
Kent County Council customer services records of flooding incidents	Records from a number of sources, members of the public, KCC staff, emergency services or Parish Representative.	These records relate to incidents from 2008- 2012. It would be preferable to have records dating back further than 2008.
Kent County Council - gully and road information	GIS file of road and gullies within the Folkestone Hythe Study Area	Comprehensive description of roads and gullies within the area
Shepway Multi Agency Flood Plan	This document sets out Shepway's response to a significant flooding event within Shepway District Council's administrative area.	This is useful within the SWMP to identify vulnerable infrastructure within the District's area.
Kent County Council Preliminary Flood Risk Assessment (PFRA)	The PFRA provides a high level overview and identify areas of significant flood risk that need to be investigated in further stages of the Regulations	Provides historic flood data, of particular note sewer/surface water flooding
Main River Centrelines	GIS file describing the main rivers within the area	These with the addition of local knowledge gained from the Pent Stream Modelling Study the DRN was checked and clarified.

**Table A-3 Data provided by Shepway District Council**

Data Received	Details	Quality of Data
Shepway DC EA Flooding Spreadsheet	Additional instances of flooding.	Date of incident is not recorded
Shepway District Council's strategic planning areas (as a GIS file)	Areas for potential development in the future as identified within the core strategy.	
Master Copy of Grill and Gully Sheets Effective July 2009 - We continue to check and clean these gullies to this day as extra insurance against flooding.	A list of road gully checks that Shepway District Council carry out on a 3 monthly basis.	The list has been amended over time hence the file name of July 2009. These gullies are in areas that were particularly prone to surface water flooding in the August 12th storm of 1996. Some of the areas on the list are just outside the area of interest. The co-ordinates relate to each road in general – not for each gully
Shepway District Council Strategic Flood Risk Assessment		Provides detail of Flood zone maps, hazard maps; Strategic Housing Land Availability Assessment sites and defence infrastructure.

**Table A-4 Data provided by Southern Water**

<b>Data Received</b>	<b>Details</b>	<b>Quality of Data</b>
Southern Water flooding incidents (individual)	GIS files describing whether sewer flooding occurred	Useful dataset to determine whether flooding was internal/external
Southern Water flooding incidents (postcode level)	GIS files describing at postcode level whether sewer flooding occurred	
Sewer model coverage	Details of sewer model coverage across Folkestone and Hythe	This data will be useful if further study is required within Folkestone and Hythe