

Appendices

A Data Review

Tables A-1 to A-4 describe the data collated from the Kent County Council and the key partners, its quality and relevance to the Surface Water Management Plan.

Table A-1 Data provided by the Environment Agency

Data Received	Details	Quality of Data
Historical flooding Information	Outlines of Historic Flooding	The historic flooding does not take into account the combined fluvial and tidal flooding

Table A-2 Data provided by Kent County Council

Data Received	Details	Quality of Data
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.
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 FMfSW 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 ² grid set, suitable for strategic high scale assessments, this should not be used for small scale individual assessments.
Groundwater vulnerability zones	EA define GWV are used to define where groundwater may be vulnerable from activities on the surface	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 information theme contains a number of relevant data layers.
Kent County Council - gully and	GIS file of road and gullies	Comprehensive description of

Data Received	Details	Quality of Data
road information	within the Thanet Study Area	roads and gullies within the area
Highways provided details all of flooding emergency call outs for Thanet	Historic flooding data describing flooding affecting highways	This is useful within the SWMP to identify vulnerable infrastructure within the District's area.
Sewer networks (incl. Manholes)	GIS file with details of Sewer types and location of their manholes	Provides details and description of sewer type
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
Postcode Polygons	GIS files of the areas covering individual post code s	This will be used to display information in a location sensitive method.

Table A-3 Data provided by Southern Water

Data Received	Details	Quality of Data
Southern Water flooding incidents (postcode level)	GIS files describing at postcode level whether sewer flooding occurred	The dates of historic events were not clear within the dataset.
Sewer model coverage	Details of sewer model coverage across the Thanet District	This data will be useful if further study is required within Thanet

Table A-4 Data provided by River Stour Internal Drainage Board (IDB)

Data Received	Details	Quality of Data
Thanet District Council Strategic Housing Land Availability Assessment 2010 -	An index map showing sites assessed	This has been used in conjunction with the SWMP to identify areas for strategic benefit in surface water management across Thanet District
Thanet District Council strategic sites	GIS files of TDC Strategic sites	
Parish Council, airport, port and fire contact details	Contact Details	This data is necessary if further clarification is needed regarding particular receptors in Thanet