

Appendix A - Data Collection

1. Data Sources and Use

Table A-1 provides a summary of the data sources for the SWMP and how the data was used in preparing the SWMP.

Table A-1 Data Sources and Use

Source	Dataset	Description	Use in this SWMP
Environment Agency	Detailed River Network.	GIS dataset identifying the location of watercourses across they study area.	To define watercourse locations within the study area and assess ordinary watercourse flood risk.
	Flood Maps (Flood Zones)	Show extent of flooding from rivers during 1 in 100 year and 1 in 1000 year return period floods. Show extent of flooding from the sea during 1 in 200 year and 1 in 1000 year flood events. Ignores the presence of defences.	To identify the fluvial and tidal flood risk within Peacehaven, Newhaven and Seaford and areas benefitting from fluvial and tidal defences.
	Updated Flood Map for Surface Water	A third generation of surface water flood mapping which was released in 2014.	To assess surface water flood risk.
	LiDAR topographic data	1m resolution digital terrain model compiled from aerial surveys.	To identify topography and flow pathways.
	Historic Flood Outline	Attributed spatial flood extent data for flooding from all sources.	To assist with the identification of LFRZs.
	Areas Susceptible to Groundwater Flooding	Mapping showing areas susceptible to groundwater flooding.	To assess groundwater flood risk.
	River Ouse Catchment Flood Management Plan Summary Report	Summarises the scale and extent of flooding now and in the future, and sets policies for managing flood risk within the catchment.	To ensure a coordinated approach is taken for mitigation solutions.
	National Receptors Dataset	A nationally consistent dataset of social, economic, environmental and cultural receptors including residential properties, schools, hospitals, transport infrastructure and electricity substations.	To undertake property/ infrastructure flood counts and to determine LFRZs.

Source	Dataset	Description	Use in this SWMP
Lewes District Council	Strategic Flood Risk Assessment (SFRA) – Level 1 and 2	Contains useful information on historic flooding, including local sources of flooding from surface water and groundwater.	To understand the background to flood risk in the study area.
	Anecdotal information relating to local flood history and flood risk areas	Records of flooding from surface water, groundwater and ordinary watercourses.	To assist with verification of LFRZs.
	OS Mapping	Topographic maps of the study area.	Used to assist evaluation of flood risk.
	Strategic Housing and Land Availability Assessment	Identification of potential locations for growth in Peacehaven, Newhaven and Seaford.	Understanding of areas of potential future development.
East Sussex County Council	Historic Flood Records	Locations of historic flooding.	Used to assist with the identification of LFRZs.
	OS MasterMap	Mapping based on land use.	To undertake property/ infrastructure flood counts and to determine LFRZs.
Southern Water	DG5 Register	DG5 Register logs and records of sewer flooding incidents in each area.	To map sewer flooding incidents.
	Sewer pipe network	GIS dataset providing the geo-referenced location of surface water, foul and combined sewers across the study area.	To verify LFRZ locations and define options in Phase 3: Options Assessment.
	Network model outputs	GIS dataset providing network model outputs for 1 in 30 year and 1 in 50 year return period events, for a range of durations.	To identify sewer flooding locations.
British Geological Survey	Geological datasets	Licensed GIS datasets including: Geological indicators of flooding; Permeability; Bedrock and Superficial geology; and Susceptibility to Groundwater Flooding.	To understand the geology of the study and assess groundwater flood risk.
East Sussex Fire Authority	Historic flooding records	Locations of historic flooding.	To assist with the identification of LFRZs.

2. Security, Licensing and Use Restrictions

A number of datasets used in the preparation of this SWMP are subject to licensing agreements and use restrictions. The following national datasets provided by the Environment Agency are available to LLFA for local decision making:

- EA Flood Zone Map (including historic mapping);
- Areas Susceptible to Groundwater Flooding
- Updated Flood Map for Surface Water; and
- National Receptor Database.

A number of the data sources used are publicly available documents, such as:

- Strategic Flood Risk Assessment;
- Catchment Flood Management Plan;
- Preliminary Flood Risk Assessment; and
- Index of Multiple Deprivation.

The use of some of the datasets made available for this SWMP has been restricted. These include:

- Records of property flooding held by the Council and by Southern Water Services Ltd; and
- British Geological Survey geological datasets.

Necessary precautions must be taken to ensure that all restricted information given to third parties is treated as confidential. The information must not be used for anything other than the purpose stated in the terms and conditions of use accompanying the data. No information may be copied, reproduced or reduced to writing, other than what is necessary for the purpose stated in the agreement.