

Appendix C - Data Sources

This appendix provides details on the main data sources used as part of this Strategic Flood Risk Assessment (SFRA), including its purpose, licencing details, when the data was obtained for the SFRA, and where any updated data can be obtained by users of the SFRA.

Data used	Purpose of data	Data source	Date received	Where can data be obtained?	Licence details
BGS Geology Data	Understanding the characteristics of a site	British Geological Survey	11/05/2026	BGS Geology Viewer	Open Government Licence
BGS Soils Data	Understanding the characteristics of a site	British Geological Survey	11/05/2026	UK Soils Observatory Map Viewer	Open Government Licence
Environment Agency 1m LiDAR	Understanding the characteristics of a site	Environment Agency	11/05/2026	LiDAR Composite Digital Terrain Model (DTM) - 1m	Open Government Licence
Hydraulic models and outputs - Medway Model 1 2015 ISIS-TUFLOW - Darent and Cray Model 2018 Flood-Modeller-TUFLOW	Assess present day and future fluvial flood risk, including depth, hazard and velocity	JBA	29/05/2026	Request from JBA Consulting (subject to licence fee)	JBA Consulting Licence
Flood Map for Planning - Flood Zones	Assess fluvial flood risk (extent only)	Environment Agency	11/05/2026	Flood Map for Planning - Flood Zones	Open Government Licence
Risk of Flooding from Rivers and Seas - 3.3% Present Day (Defended)	Assess fluvial flood risk (extent only)	Environment Agency	11/05/2026	Rivers and Sea 3.3% defended flood risk extents - present day	Open Government Licence
Risk of Flooding from Rivers and Seas - Present Day (Un defended)	Assess fluvial flood risk (extent only)	Environment Agency	11/05/2026	Rivers and Sea defended and undefended flood risk extents - present day	Open Government Licence
Risk of Flooding from Rivers and Seas - Climate Change (Un defended)	Assess fluvial flood risk (extent only)	Environment Agency	11/05/2026	Rivers and Sea defended and undefended flood risk extents - climate change	Open Government Licence
OS MasterMap Water Network	Assess fluvial flood risk	Ordered by JBA through the data.gov.uk website. This data is available under the OGL license agreement	07/09/2023	Defra Data Services Platform (only available to specified users)	Environment Agency Conditional Licence
Risk of Flooding from Surface Water	Assess present day surface water risk, including hazard and velocity	Environment Agency	11/05/2026	Risk of Flooding from Surface Water	Open Government Licence
Flood Map for Planning Surface Water Spatial Planning extents - present day	Updated surface water extent and depth mapping (released in May 2026)	Environment Agency	02/06/2026	Flood Map for Planning - Surface Water Spatial Planning Extents	Open Government Licence
Flood Map for Planning Surface Water Spatial Planning extents - climate change	Updated surface water climate change extent and depth mapping for the 2070's epoch (released in May 2026)	Environment Agency	02/06/2026	Flood Map for Planning - Surface Water Spatial Planning Extents - Climate Change	Open Government Licence
JBA's Groundwater Emergence Map	Assess groundwater flood risk	JBA	11/05/2026	Request from JBA Consulting (subject to licence fee)	JBA Consulting Licence
Reservoir inundation mapping - Dry Day scenario	Assess reservoir flood risk	Environment Agency	11/05/2026	Reservoir inundation mapping - Dry Day scenario	Open Government Licence
Reservoir inundation mapping - Wet Day scenario	Assess reservoir flood risk	Environment Agency	11/05/2026	Reservoir inundation mapping - Wet Day scenario	Open Government Licence
Reservoir inundation mapping - Fluvial Contribution	Assess reservoir flood risk	Environment Agency	11/05/2026	Reservoir inundation mapping - Fluvial Contribution	Open Government Licence
Lisk of known locations of historic flooding incidents	Understand historic flood risk	Kent County Council	22/04/2026	Request from Kent County Council (LLA)	Kent County Council Data Sharing Agreement
Sewer Flooding Recorded Incidents	Understand historic flood risk	Thames Water	29/04/2026	Request from Thames Water	-
Historic Flood Map	Understand historic flood risk	Environment Agency	11/05/2026	Historic Flood Map	Open Government Licence
Recorded Flood Outlines	Understand historic flood risk	Environment Agency	11/05/2026	Recorded Flood Outlines	Open Government Licence
Historic Flood Warnings	Understand historic flood risk	Environment Agency	29/09/2025	Historic Flood Warnings	Open Government Licence
Flood defence data from AIMS database	Assessing impact of defences and residual risk	Environment Agency	18/09/2025	Flood defence data from AIMS database	Open Government Licence
Historic Landfill Sites	Understanding potential constraints to SuDS at a site	Environment Agency	27/05/2026	Historic Landfill Sites	Environment Agency Conditional Licence
Source Protection Zones (merged)	Understanding potential constraints to SuDS at a site	Environment Agency	11/05/2026	Source Protection Zones (merged)	Open Government Licence
Flood Alert Areas	Flood warning and emergency planning	Environment Agency	29/09/2025	Flood Alert Areas	Open Government Licence
Flood Warning Areas	Flood warning and emergency planning	Environment Agency	02/10/2025	Flood Warning Areas	Open Government Licence