

**Appendix A - 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
Hydraulic models and outputs - Medway Model 1 2015 ISIS-TUFLOW - Darent and Cray Model 2018 Flood-Modeller-TUFLOW	Assess fluvial flood risk	JBA Consulting	05/06/2024	Request from JBA Consulting (subject to licence fee)	JBA Consulting Licence
Flood Map for Planning Flood Zones 2 and 3	Assess fluvial flood risk	Ordered by JBA through the data.gov.uk website. This data is available under the OGL licence agreement	01/09/2025	<a href="#">Flood Map for Planning - Flood Zones</a>	Open Government Licence
Risk of Flooding from Rivers and Sea	Assess fluvial flood risk	Ordered by JBA through the data.gov.uk website. This data is available under the OGL licence agreement	01/09/2025	<a href="#">Risk of Flooding from Rivers and Sea</a>	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 licence agreement	01/09/2025	<a href="#">Defra Data Services Platform (only available to specified users)</a>	Environment Agency Conditional Licence
Risk of Flooding from Surface Water	Assess surface water flood risk	Ordered by JBA through the data.gov.uk website. This data is available under the OGL licence agreement	17/09/2025	<a href="#">Risk of Flooding from Surface Water</a>	Open Government Licence
Risk of Flooding from Surface Water with Climate Change uplifts	Assess surface water flood risk	Environment Agency (uplifts run by JBA Consulting)	01/11/2023	<a href="#">Risk of Flooding from Surface Water plus climate change</a>	Open Government Licence
JBA's Groundwater Emergence Map	Assess groundwater flood risk	JBA Consulting	02/10/2023	Request from JBA Consulting (subject to licence fee)	JBA Consulting Licence
Reservoir inundation mapping - Dry Day scenario	Assess reservoir flood risk	Environment Agency	01/09/2025	<a href="#">Reservoir inundation mapping - Dry Day scenario</a>	Open Government Licence
Reservoir inundation mapping - Wet Day scenario	Assess reservoir flood risk	Environment Agency	01/09/2025	<a href="#">Reservoir inundation mapping - Wet Day scenario</a>	Open Government Licence
Reservoir inundation mapping - Fluvial Contribution	Assess reservoir flood risk	Environment Agency	01/09/2025	<a href="#">Reservoir inundation mapping - Fluvial Contribution</a>	Open Government Licence
<b>UK Flood Record Database</b>	Understand historic flood risk	Kent County Council	17/09/2025	Request from Kent County Council (data not available to all parties)	<b>UK Flood Record Agreement</b>
Sewer Flooding Recorded Incidents	Understand historic flood risk	Southern Water	25/10/2023	Request from Southern Water (data not available to all parties)	-
Historic Flood Map	Understand historic flood risk	Environment Agency	01/09/2025	<a href="#">Historic Flood Map</a>	Open Government Licence
Recorded Flood Outlines	Understand historic flood risk	Environment Agency	01/09/2025	<a href="#">Recorded Flood Outlines</a>	Open Government Licence
Historic Flood Warnings	Understand historic flood risk	Environment Agency	01/09/2025	<a href="#">Historic Flood Warnings</a>	Open Government Licence
Flood defence data from AIMS database	Assessing impact of defences	Environment Agency	07/09/2023	<a href="#">Flood defence data from AIMS database</a>	Open Government Licence
Aquifer designation map (bedrock geology)	Understanding the study area	Environment Agency via Sevenoaks District Council	07/09/2023	<a href="#">Defra Data Services Platform (only available to specified users)</a>	Environment Agency Conditional Licence
Aquifer designation map (superficial deposits)	Understanding the study area	Environment Agency via Sevenoaks District Council	07/09/2023	<a href="#">Defra Data Services Platform (only available to specified users)</a>	Environment Agency Conditional Licence
Environment Agency 1m LIDAR	Understanding the study area	Environment Agency	07/09/2025	<a href="#">LIDAR Composite Digital Terrain Model (DTM) - 1m</a>	Open Government Licence
WFD catchment boundaries for CIA	Understanding the study area	Environment Agency	14/12/2023	<a href="#">WFD River Waterbody Catchments Cycle 2</a>	Open Government Licence
Source Protection Zones (merged)	Understanding the study area	Environment Agency	07/09/2023	<a href="#">Source Protection Zones (merged)</a>	Open Government Licence
Information on site allocations	Assessing the cumulative impacts of development	Tonbridge and Malling Borough Council	19/09/2023	Data provided specifically for this SFRA, existing local plan site allocations and details are available on the Council website	-
Information on site allocations	Assessing the cumulative impacts of development	Tunbridge Wells Borough Council	25/09/2023	Data provided specifically for this SFRA, existing local plan site allocations and details are available on the Council website	-
Information on site allocations	Assessing the cumulative impacts of development	Gravesham Borough Council	21/09/2023	Data provided specifically for this SFRA, existing local plan site allocations and details are available on the Council website	-
Information on site allocations	Assessing the cumulative impacts of development	Wealden District Council	19/09/2023	Data provided specifically for this SFRA, existing local plan site allocations and details are available on the Council website	-
Information on site allocations	Assessing the cumulative impacts of development	Tandridge District Council	03/10/2023	Data provided specifically for this SFRA, existing local plan site allocations and details are available on the Council website	-
Flood Alert Areas	Flood warning and emergency planning	Environment Agency	01/09/2025	<a href="#">Flood Alert Areas</a>	Open Government Licence
Flood Warning Areas	Flood warning and emergency planning	Environment Agency	01/09/2025	<a href="#">Flood Warning Areas</a>	Open Government Licence