Appendix B - Data Sources

This appendix provides details on the main data sources used as part of this Level 2 Strategic Flood Risk Assessment (SFRA), including its purpose, licencing details and where any updated data can be obtained by users of the SFRA.

Data used	Purpose of data	Data source	Where can data be obtained?	Licence details
BGS Geology Data	Understanding the characteristics of a site	British Geological Survey	BGS Geology Viewer	Open Government Licence
LandIS National Soil Map	Understanding the characteristics of a site	LandIS	National Soil Data Portal	Open Government Licence
Environment Agency 1m LiDAR	Understanding the characteristics of a site	Environment Agency	LIDAR Composite Digital Terrain Model (DTM) - 1m	Open Government Licence
Tidal models and outputs: North Kent Coast Model	Assess present day and future defended tidal flood risk, including depth, hazard and velocity	Environment Agency	Request from the Environment Agency via their Flood Map for Planning Service	Environment Agency Conditional Licence
Hydraulic models and outputs: Scrapsgate Drain, Warden Bay, Iwade Stream	Assess present day and future defended fluvial flood risk, including depth, hazard and velocity	Environment Agency	Request from the Environment Agency via their Flood Map for Planning Service	Environment Agency Conditional Licence
Flood Map for Planning Flood Zone 2	Assess undefended fluvial and tidal flood risk (extent only)	Environment Agency	Flood Zone 2	Open Government Licence
Flood Map for Planning Flood Zone 3	Assess undefended fluvial and tidal flood risk (extent only)	Environment Agency	Flood Zone 3	Open Government Licence
Flood Map for Planning Flood Zones plus climate change	Assess undefended future fluvial and tidal flood risk (extent only)	Environment Agency	Flood Zones plus climate change	Open Government Licence
North Kent Marshes Water Level Management Board Watercourses	Understanding the factors affecting fluvial flood risk at a site.	North Kent Marshes Water Level Management Board	Request from North Kent Marshes Water Level Management Board (formerly Lower Medway Internal Drainage Board)	N/A
Flood Map for Planning – Surface Water Spatial Planning map	Assess present day surface water risk, including depth.	Environment Agency	Flood Map for Planning – Surface Water Spatial Planning Extents – Present Day	Open Government Licence
Flood Map for Planning – Surface Water Spatial Planning map - Cliamte Change	Assess future surface water risk, including depth.	Environment Agency	Flood Map for Planning – Surface Water Spatial Planning Extents – Climate Change	Open Government Licence
JBA's Groundwater Emergence Map	Assess groundwater flood risk	JBA	Request from JBA Consulting (subject to licence fee)	JBA Consulting Licence
Reservoir inundation mapping - Dry Day scenario	Assess reservoir flood risk	Environment Agency	Reservoir inundation mapping - Dry Day scenario	Open Government Licence
Reservoir inundation mapping - Wet Day scenario	Assess reservoir flood risk	Environment Agency	Reservoir inundation mapping - Wet Day scenario	Open Government Licence
Kent County Council recorded flood incidents database	Understand historic flood risk	Kent County Council	Request from Kent County Council	Kent County Council Data Sharing Agreement
Sewer Flooding Recorded Incidents	Understand historic flood risk	Southern Water	Request from Southern Water	N/A
Historic Flood Map	Understand historic flood risk	Environment Agency	Historic Flood Map	Open Government Licence
Recorded Flood Outlines	Understand historic flood risk	Environment Agency	Recorded Flood Outlines	Open Government Licence
Flood defence data from AIMS database	Assessing impact of defences and residual risk	Environment Agency	Flood defence data from AIMS database	Open Government Licence
Historic Landfill Sites	Understanding potential constraints to SuDS at a site	Environment Agency	Historic Landfill Sites	Environment Agency Conditional Licence
Nitrate Vulnerable Zones	Understanding potential constraints to SuDS at a site	Environment Agency	Nitrate Vulnerable Zones	Open Government Licence
Source Protection Zones (merged)	Understanding potential constraints to SuDS at a site	Environment Agency	Source Protection Zones (merged)	Open Government Licence
Flood Alert Areas	Flood warning and emergency planning	Environment Agency	Flood Alert Areas	Open Government Licence
Flood Warning Areas	Flood warning and emergency planning	Environment Agency	Flood Warning Areas	Open Government Licence
Coastal Change Management Area	To identify areas that are likely to be affected by physical change to the shoreline over the next 100 years, through erosion, coastal landslip, permanent inundation, or coastal accretion.	Prepared as part of the Level 1 SFRA - See Appendix J of the Level 1 SFRA for more details	Swale Borough Council	Use Open Government Licence data
Medway Estuary and Swale (MEAS) Benefit Area	The MEAS benefit area is where there is a long-term strategic intention to continue maintaining or improving flood defences, subject to future funding and review.	Environment Agency	Request to the Environment Agency	Open Government Licence