

Spelthorne Borough Council Level 1 Strategic Flood Risk Assessment - Appendix A - Data Register

Organisation	Dataset Description	Format	Importance	Comments	Received	Date received	Review Comments
Environment Agency	Lower Thames Flood Modelling Outputs. WSP, Binnies. November 2023. Covering the Lower Thames from Datchet to Teddington.	Various	Essential		Yes	26/09/2023	
Environment Agency	Lower Thames Flood Modelling Report. WSP, Binnies. November 2023. Covering the Lower Thames from Datchet to Teddington.	PDF	Essential	Supplementary Report that should be read in conjunction with the River Thames 2019/2020 Report. Summarises changes made to latest Thames model.	Yes	11/01/2024	
Environment Agency	Shapefile showing which hydraulic model should be used to assess risk of flooding from rivers across Spelthorne.	.shp	Important	Tool to identify which model should be used in which part of the Borough, especially where multiple outputs are available (Thames dominated, Tributary dominated, Ash).	Yes	01/02/2024	
Environment Agency	Hydraulic Model, Outputs and Report for River Thames, Jubilee River and River Ash Modelling (JBA Consulting, July 2020).	Various	Essential	River Thames (Thames Dominated) and River Thames (Tributary Dominated) scenarios. Climate change scenarios available for 1% AEP plus 25%, 35% and 70%. Depth, hazard, velocity, water level grids available.	Yes	02/09/2020	
Environment Agency	Hydraulic Model, Outputs and Report for River Ash (JBA Consulting 2019)	Various	Essential	Climate change scenarios available for 1% AEP plus 25%, 35% and 70%. Depth, hazard, velocity, water level grids available.	Yes	14/10/2020	
Environment Agency	Hydraulic Model, Outputs and Report for River Colne (Mott MacDonald April 2012)	Various	Essential	Climate Change Scenarios are limited to 1% AEP plus 20% increase. The section of the River Colne model in Spelthorne is a 1D model, and therefore only flood extent and depth grids are available, not hazard.	Yes		
Environment Agency	Details of any proposed flood defence or alleviation schemes in the Borough	doc	Essential	Latest details of the River Thames Scheme provided.	Yes		
Environment Agency	River Thames Scheme Modelling Report. P04 22/09/2023. Galliford Binnies (GB).	PDF	Essential	Report describing the proposed RTS and the impact on water levels across the study area.	Yes	01/03/2024	
Environment Agency	AIMS (Asset Information Management System) for the study area including defence standard of protection.	GIS	Essential	Details of defences e.g. embankment, flood gate, higher ground and structures e.g. weir, culvert etc.	Yes	15/01/2018	Not in spatial format to map. Just MS Excel format. Use defence layer downloaded from Flood Map instead.
Environment Agency	Risk of failure of defences for any Main Rivers		Essential		No		
Environment Agency	Historic records of flooding from all sources, where available	GIS	Essential	Recorded Flood Outlines (EA dataset) provided online.	No		
Environment Agency	Information on future works/safeguarding areas/early appraisal schemes	doc	Important	Details of temporary defence projects provided.	Yes		
Environment Agency Open Data	Reduction in Risk of Flooding from Rivers and Sea due to Defences	GIS	Essential	Downloaded from Defra Data Services Platform	Yes	05/05/2023	Latest layers obtained in May 2023 via the WMS layers online.
Environment Agency Open Data	Flood Risk Areas	GIS	Essential	AECOM to download or to be provided by SBC	No		
Environment Agency Open Data	Flood Map for Planning Flood Zones 2 and 3	GIS	Essential	Downloaded from Defra Data Services Platform	Yes	05/05/2022	Latest layers obtained in May 2023 via the WMS layers online.
Environment Agency Open Data	Flood Warning Areas	GIS	Essential	Downloaded from Defra Data Services Platform	Yes	05/05/2022	
Environment Agency Open Data	Historic Flood Map	GIS	Essential	Downloaded from Defra Data Services Platform	Yes		
Environment Agency Open Data	Recorded Flood Outlines	GIS	Essential	Downloaded from Defra Data Services Platform	Yes	04/12/2017	
Environment Agency Open Data	Source Protection Zones	GIS	Important	Downloaded from Defra Data Services Platform	Yes	18/12/2017	
Environment Agency Open Data	Statutory Main Rivers	GIS	Essential	Downloaded from Defra Data Services Platform	Yes	18/12/2017	10k
Environment Agency Open Data	LIDAR topographic data (GIS files)	GIS	Essential	Downloaded from Defra Data Services Platform	Yes	06/12/2017	

Environment Agency Open Data	Risk of Flooding from Surface Water (RoFSW)	GIS	Essential	Downloaded from Defra Data Services Platform	Yes	04/12/2017	Latest layers obtained in May 2022 via the WMS layers online.
Environment Agency Open Data	Aquifer Designation Maps	GIS	Important	Sent by SBC	Yes	04/12/2017	
Environment Agency Open Data	Areas Susceptible to Groundwater Flooding	GIS	Essential	Sent by SBC (via partners login)	Yes	21/12/2017	
Environment Agency Open Data	Working with Natural Processes	GIS	Important	Downloaded from Defra Data Services Platform	Yes		
Spelthorne Borough Council	Study Area - Council Boundary	GIS	Essential	Sent by SBC	Yes	04/12/2017	
Spelthorne Borough Council	Ordnance Survey Mapping (1:10,000)	tif	Essential	Sent by SBC	Yes	04/12/2017	
Spelthorne Borough Council	Ordnance Survey Mapping (1:25,000)		Important	Used 10K instead.	No		
Spelthorne Borough Council	OS Master Map	GIS	Essential	Sent by SBC	Yes	19/12/2017	
Spelthorne Borough Council	Development / growth areas or sites (GIS layer)	GIS	Important	Sent by SBC	Yes	04/12/2017	
Spelthorne Borough Council	Records of flooding from all sources (GIS layer)	GIS	Essential	Provided by other stakeholders instead.	No		
Spelthorne Borough Council	Ordinary watercourses	GIS	Essential	Sent by SBC	Yes	04/12/2017	
Spelthorne Borough Council	Detailed River Network	GIS	Essential	Sent by SBC	Yes	21/12/2017	
Spelthorne Borough Council	Emergency Rest centres (GIS layer)	GIS	Important	Sent by SBC	Yes	14/12/2017	Emergency rest centres should not appear in report
Spelthorne Borough Council	Locations of any critical infrastructure	GIS	Important		No		
Spelthorne Borough Council	National Receptor Database	GIS	Important	Sent by SBC	Yes	05/12/2017	
Spelthorne Borough Council	Geology data - solid and drift geology	GIS	Essential	AECOM downloaded the 625k Bedrock and superficial geology from BGS website	Yes	19/12/2017	
Spelthorne Borough Council	Postcode boundary (GIS layer)	GIS	Important	SBC sent csv file and GIS layers	Yes	04/12/2017 and 21/12/2017	
Spelthorne Borough Council	Core strategy and policies report	doc	Important	AECOM access online.	Yes		
Spelthorne Borough Council	Supplementary planning document	doc	Important	AECOM access online.	Yes		
Spelthorne Borough Council	Planning and monitoring report 2016	doc	Important	AECOM access online.	Yes		
Spelthorne Borough Council	SFRA 2006	doc	Essential	AECOM access online.	Yes		
Surrey County Council	Wet spots and other historic flooding records from all sources	GIS	Essential	Received from Surrey CC.	Yes	01/12/2021	Updated wet spots supplied in 2020-12-01 .
Surrey County Council	Emergency Flood plans	doc	Essential		No		
Surrey County Council	PFRA and associated datasets (GIS layer)	GIS	Essential	AECOM access online.	Yes		
Surrey County Council	SuDS suitability data	GIS	Essential	Received from Surrey CC.	Yes	19/12/2017	
Surrey County Council	Flood Incident Reports	doc	Essential	AECOM access online.	Yes	01/12/2017	
Surrey County Council	Local Flood Risk Management Strategy (for 2017-2032)	doc	Important	AECOM access online.	Yes		
Surrey County Council	PFRA, 2017	doc	Important	AECOM access online.	Yes		Updated in 2017.
Thames Water	Sewer flooding records (DG5)	GIS	Essential	TW sent data in an MS Excel format	Yes	19/12/2017	