SFRA Management Guide

NPPF highlights the importance of maintaining Strategic Flood Risk Assessments current to ensure the decision making process by the Local Planning Authorities is based on the most up to date information and understanding of flood risk within the Borough. A summary of the key aspects to be considered to ensure that the SFRA is kept up-to-date and maintained is provided in the table below.

Table F1 *- Summary of main aspects to be considered during maintenance of the SFRA*

Area Covered	Source of Information	Provider	Comments	Next Review
Flood Zones	Hydraulic modelling of main rivers	EA	Should new Flood Zone information become available, the data should be digitised and georeferenced within the GIS system.	When further modelling is carried out and/or outlines reviewed by EA
Climate Change Scenarios	Environment Agency Guidance and Modelling	EA	The hydraulic modelling results considered as a part of this SFRA were based on the latest available modelling of the River Ravensbourne and the River Cray. The 25% and 35% climate outlines were mapped for the Ravensbourne model; however, the 70% climate model was not available during the timescales of this project. The EA should be contacted to assess the 'Upper End' allowance for climate change in the Ravensbourne catchment. Updating of this modelling is understood to be currently in progress and it is strongly recommended that this revised modelling be incorporated within the SFRA upon completion. The 25%, 35% and 70% climate change allowances for the River Cray have been presented in this SFRA.	When updated hydraulic modelling for the 70% climate model for the Ravensbourne becomes available and during the next general review of the SFRA

Area Covered	Source of Information	Provider	Comments	Next Review
Surface Water Flood Outlines	EA Dataset	EA	The EA have provided the Risk of Flooding from Surface Water. Any site-specific modelling of surface water flood risk carried out in the Borough in future should be added to this dataset.	When new relevant information becomes available
Flood Assets (AIMS)	EA Database	EA	If any local flood defences or management structures are installed within Bromley these should be added as a new point to the relevant GIS layer, including metadata.	When new relevant information becomes available
Flooding History	Stakeholders records	EA, LBB	When new flooding incidents are reported, these should be added as a new point to the relevant GIS layer, including metadata.	Next general review of SFRA
Local Plan Information	Bromley Local Plan	LBB	The updated Bromley Local Plan was under consultation at the time of producing this SFRA. It is intended that detailed assessment of the proposed allocated development sites is undertaken as a further phase of this SFRA, once this plan and proposed development sites, are finalised.	Finalisation of Local Plan and allocated development sites
Geology	Geology	EA	Two Geology datasets were used in the production of this SFRA, including Bedrock and Superficial Deposits.	Next general review of SFRA

Area Covered	Source of Information	Provider	Comments	Next Review
Groundwater Flood Risk	Groundwater Vulnerability and SuDS suitability	BGS	BGS has provided Borough specific information on Groundwater Vulnerability and the Suitability of SuDS. This dataset is coarser than the freely available EA dataset 'Areas Susceptible to Groundwater Flooding' thus provides greater accuracy when designating groundwater flood risk areas. Any emerging local knowledge on groundwater flood incidents in future should be updated incorporated into the SFRA.	When information is available and in next general review of SFRA
Sewer Flood Risk	Thames Water	TW	TW provided the DG5 register for the Borough. Should updated information on sewer flood risk and network capacity become available, it is recommended that this is incorporated within the SFRA.	When information is available
OS Background Mapping	Ordinance Survey	LBB	The SFRA has made use of OS 1:25,000 digital mapping. Periodically these maps are updated. Updated maps are unlikely to alter the findings of the SFRA but should be reviewed as part of the SFRA maintenance.	Next General review of SFRA
Flood Risk Policy	NPPF, NPPG, London Plan, etc.	Various	This SFRA was created using guidance that was current in February 2017, principally the NPPF and the accompanying Planning Practice Guidance. Should new flooding policy be adopted nationally, regionally or locally, the SFRA should be checked to ensure it is still relevant and updates made if necessary.	When changes to relevant planning policy are adopted

It should be noted that, prior to any data being updated within the SFRA, it is important that the licensing information is also updated to ensure that the data used is not in breach of copyright. The principal licensing bodies relevant to the SFRA at the time of publishing were the Environment Agency (Kent, South London and East Sussex (KSL)), Ordnance Survey and Thames Water. Updated or new data may be based on datasets from other licensing authorities and

may require additional licenses. Generally, when updating the GIS information associated with this SFRA, it is important that the meta-data is updated in the process. This is the additional information that lies behind the GIS polygons, lines and points.

It is recommended that an interim review of the SFRA is undertaken on an annual basis, in liaison with the Environment Agency, to assess any maintenance or update work required. In particular, this would include incorporation of any major changes in terms of flood management infrastructure and any recorded flooding incidents. An overall general review of the SFRA is recommended every 3 years, to re-evaluate flood risk and planning policies according to latest legislation.

Should LBB decide any significant changes are necessary; the SFRA should be updated and re-issued. It is essential that any reviews and updates of the SFRA are recorded in a structured manner. To facilitate this task, the following register has been created:

STRATEGIC FLOOD RISK ASSESSMENT REVIEW				
Type of Review	Scheduled ☐	Interim ☐	**Date of Review:**	
Reviewer Name:			**Organisation:**	
Area Reviewed	**Source of Information**	**Provider**	**Maps Modified**	**Comments**