



## JBA Strategic Flood Risk Assessment Site Screening Tool - v1.0

This spreadsheet has been designed to assist local authorities with the selection of development sites for inclusion within their local plan.

### Note on calculations:

Site boundaries have been screened against flood risk information to determine the proportion of the site at risk. The following flood risk information has been used in the assessment

- Flood Zones (from Environment Agency Flood Zones and results from detailed hydraulic models)
- Surface Water (from the updated Flood Map for Surface Water)
- Environment Agency's Historic Flood Map
- Reservoirs (from the National Reservoir Inundation Mapping)

### Additional information:

The sites have also been considered against the following information to provide additional information to support decision making

- Canal centrelines - to determine if there is a canal within 100m of the site
- Environment Agency's Areas Benefitting from Defences dataset - to determine if the site benefits from formal flood defences
- Detailed River Network dataset - to determine if there is a watercourse with a catchment less than 3km<sup>2</sup> flowing through or adjacent to a site, which would not have been included in the Environment Agency's Flood Zones
- Whether any additional modelling is required to determine Flood Zones for the Level 2 Strategic Flood Risk Assessment

### Note on Flood Zone and Surface Water percentages:

The values quoted in the Level 1 Screening tab show the percentage of the site at flood risk from that particular Flood Zone / event, *excluding* the percentage of the site at flood risk at a higher zone.

#### For example

50% of a site is in the Flood Zones. Taking each Flood Zone individually, 50% is in Flood Zone 2 but only 30% is in Flood Zone 3a and only 10% is in Flood Zone 3b.

In the Level 1 Screening tab this will be displayed as 10% in Flood Zone 3b, 20% in Flood Zone 3a (as this excludes the 10% in Flood Zone 3b), 20% in Flood Zone 2 (as this excludes the 10% in Flood Zone 3b and 20% in Flood Zone 3a) and 50% in Flood Zone 1.

### Using the spreadsheet

The spreadsheet has been designed to assist the selection of sites. A number of screening options are available at the top of the Level 1 Screening tab. Each option will allow sites to be screened against a user defined value.

#### For example

To select sites that are more than 50% in Flood Zone 2, click on 'Screen sites against a user-defined % in Flood Zone 2' icon, and enter 50 (do not include a % sign) when prompted.

Clear Selection

Show sites only located in Flood Zone 1

Screen sites above a user defined % in Flood Zone 2

Screen sites above a user defined % in Flood Zone 3

Show sites in Flood Zone 3b

Screen sites above a user defined % risk of flooding from surface water - 30yr

Screen sites above a user defined % risk of flooding from surface water - 100yr

Screen sites above a user defined % risk of flooding from surface water - 1000yr

Screen sites above a user defined % in the historic flood map

Screen sites above a user defined % in the reservoir inundation maps

Site code	Site Name	Area (ha)	Proportion of site shown to be at risk (%)									Canal within 100m	Ordinary watercourse with catchment less than 3km <sup>2</sup> flowing adjacent or through site	Level 2 assessment required	Additional modelling required for Level 2
			Flood Zones				Updated flood map for surface water			Historic flood map	Reservoir inundation mapping				
			FZ 3b	FZ 3a	FZ 2	FZ 1	30yr	100yr	1,000yr						
0	West of Dickens Heath	45.17	0%	0%	0%	100%	1%	1%	7%	0%	0%	Yes	Yes	Yes	Yes
0	South of Shirley	29.08	0%	0%	0%	100%	1%	1%	6%	0%	0%	No	Yes	Yes	Yes
0	South of Dog Kennel Lane	45.31	3%	0%	1%	96%	1%	1%	5%	0%	0%	No	No	Yes	No
0	South of Knowle	47.74	0%	0%	0%	100%	1%	2%	9%	0%	0%	No	Yes	Yes	Yes
0	Hampton Road	9.80	0%	0%	0%	100%	5%	5%	9%	0%	0%	No	Yes	Yes	Yes
0	Hampton Road	2.50	0%	0%	0%	100%	0%	0%	0%	0%	0%	No	No	No	No
0	East of Solihull	36.18	0%	0%	0%	100%	0%	0%	0%	0%	0%	No	No	No	No
0	Land Damson Parkwa	93.81	1%	3%	1%	95%	1%	1%	4%	0%	0%	No	Yes	Yes	Yes
0	UK Central Hub/HS2 interchange	153.17	3%	2%	1%	94%	2%	1%	4%	0%	0%	No	No	Yes	No
0	Meriden Road	3.56	0%	0%	0%	100%	0%	1%	2%	0%	0%	No	No	No	No
0	Barratts Farm	55.93	0%	0%	0%	100%	0%	1%	7%	0%	0%	No	Yes	Yes	Yes
0	Frog Lane	8.43	0%	0%	0%	100%	0%	0%	1%	0%	0%	No	No	No	No
0	Windmill Lane - Kenilworth Road	15.41	0%	0%	0%	100%	0%	0%	1%	0%	0%	No	No	No	No
0	West of Meriden	3.51	0%	0%	0%	100%	1%	0%	21%	0%	0%	No	Yes	Yes	Yes
0	Chester Road/ Moorend Avenue	3.76	1%	0%	0%	99%	6%	2%	4%	0%	0%	No	No	Yes	No
0	Kingshurst Village Centre	3.42	0%	0%	0%	100%	2%	2%	4%	0%	0%	No	No	No	No
0	Former TRW site	20.44	0%	0%	0%	100%	1%	1%	5%	0%	0%	No	No	No	No
0	Sharmans Cross Road	4.31	0%	0%	0%	100%	0%	0%	5%	0%	0%	No	No	No	No
0	Moat Lane, Vulcan Road	5.14	0%	0%	0%	100%	7%	3%	11%	0%	0%	Yes	No	No	No
0	Arran Way	2.34	0%	0%	0%	100%	10%	7%	23%	0%	0%	No	No	No	No
0	Jensen House, Auckland Drive	4.05	0%	0%	0%	100%	0%	0%	4%	0%	0%	No	No	No	No