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 Risk of Flooding from Surface Water dataset)
- Environment Agency's Historic Flood Map
- Reservoirs (from the National Reservoir Inundation Mapping)
- JBA Groundwater Map

Additional information:

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

- Detailed River Network dataset - to determine if their is a watercourse with a catchment less than 3km^2 flowing through or adjacent to a site, which would not have been included in the Environment Agency's Flood Zones
- Critical Drainage Area
- Coastal Change Management Area

Note on Flood Zone 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.