

# Bristol City Council Level 1 Strategic Flood Risk Assessment

## User Guide

The following steps are designed to assist in the usage of the Bristol City Council (BCC) Strategic Flood Risk Assessment SFRA documentation. Parts 1-7 concern assessing the flood risk posed at a certain city locality and points the user towards what information should be referred to and will be applicable. Parts 8-12 direct towards the relevant information intended to devise ways of managing the flood risk at the area in question appropriately.

1. Identify the area of interest on the SFRA Level 1 flood maps. Is it within the Bristol City Council boundary? If yes proceed, if no approach the other applicable Local Authority such as: South Gloucestershire Council, Bath and North East Somerset Council or North Somerset Council.
2. Check what guidance is applicable and sources of information are available for your specific purposes through Section 1 of the Level 1 SFRA report and establish any regulatory and approval bodies you will need to contact.
3. For background information and to aid understanding of flooding throughout the Bristol area from all sources over time read Section 2 of the Level 1 SFRA report.
4. Refer to the SFRA Level 1 flood maps and review all sources and types of flooding, including historic records and those with added climate change allowances.
5. If the flood maps raise a presence within any area more likely to be prone to flooding in the past, now or potentially in the future with the predicted impacts of climate change then read the related background information in the accompanying SFRA Level 1 report.
6. For applying the Sequential Test use the L1 SFRA – Seq. Test – Present Day FZ3 and L1 SFRA – Seq. Test – Present Day FZ2 maps.
7. Identify the need for conducting a Flood Risk Assessment (FRA). An FRA is required if the area of interest falls within Flood Zone 3, Flood Zone 2 or in an area at greater pluvial flood risk. Use the Sequential Test maps and surface water flood maps to see if this applies.
8. Visit Section 3 of the Level 1 SFRA report to identify opportunities, techniques or restrictions that apply to better manage flooding in the vicinity of your area of interest or how to benefit from existing flood management infrastructure.
9. Follow the recommended advice and adhere to requirements applicable to your area of interest or purpose of work described in Section 4 of the Level 1 SFRA report. This will provide information sources, data resources and site

specific requirements based dependently on the source of flooding experienced to help manage the risk of flooding in your area of interest. This section will promote understanding on how your site can become safer from flooding and reduce other wider impacts in its design. This will section will identify constraints, opportunities and scope appropriate mitigations where required to ensure and enhance sustainability principles.

10. Through the mapping resources available an understanding of the drainage characteristics and key flood risk management assets that exist in the vicinity should be gained. This will need to be checked against local sustainable drainage requirements and recommendations that apply.
11. See also Sections 5 to 8 of the Level 1 SFRA report to derive supplementary information to support your flood risk management requirements.
12. If the area of interest falls in central Bristol or Avonmouth see the Level 2 Bristol SFRA for more detailed flood risk information in higher risk areas.