

## Appendix 1 - SFRA Data Sources

#### Epsom and Ewell Borough Council (EEBC) / Surrey County Council (LLFA)

The following data is required from EEBC and the LLFA.

- The Epsom and Ewell borough boundary
- Localised drainage issues dataset
- Drainage channels
- Historical flooding records (river, multiple, surface water, groundwater, blocked gullies)
- Existing and proposed flood defences
- · Funding for new/ proposed defences
- Surface water sustainable drainage systems and storage areas
- Natural Flood Management (NFM) data pipeline, live or complete schemes
- Superficial aquifers
- Bedrock aquifers
- Town centre boundaries
- Flood Zones 3a and 3b extents (Functional Floodplain)
- Catchments / sub-catchments / Critical Drainage Areas
- Modelling from any water source
- Local Priority Areas / Development Opportunity Areas
- Information / comments from Regulation 19 consultation
- Site allocations
- Ordinary Watercourses

#### **Environment Agency (EA)**

The following data is required from the EA and will require formal data requests to be issued.

- · River breach hazard ratings
- Modelled defence breach locations
- Fluvial flood hazard ratings
- Thames flood extents



- NFM data pipeline, live or complete schemes
- Main river model extent(s) 1 in 100-year + climate change return periods

#### **Thames Water (TWUL)**

The following data is required from TWUL and will require formal data requests to be issued, which may require the signing of a data sharing agreement.

- Sewer flooding incident records
- A localised drainage issues dataset for the Epsom and Ewell Borough
- Sewer capacity dataset
- Any proposed locations for new sewerage infrastructure

#### **British Geological Society (BGS)**

The following data is required from the BGS and will require formal data requests to be issued, which may require the signing of a data sharing agreement.

Groundwater flooding susceptibility - <u>Access details</u>

The following data is freely accessible via the BGS Data Portal and will be obtained and downloaded by the Metis project team on behalf of EEBC.

- Geology 625k
  - o Bedrock Download
  - o Superficial <u>Download</u>

#### **DEFRA Data Portal**

The following data is freely accessible via the DEFRA Data Portal and will be obtained and downloaded by the Metis project team on behalf of EEBC.

- Flood zone 2 Download
- Flood zone 3 Download
- Spatial flood defences (flood gates, flood walls, flood embankments, flood storage areas, pumps, barriers, any other structure) <u>Download</u>
- Main River Network <u>Download</u>
- Reduction in Risk of Flooding from Rivers and Sea due to defences <u>Download</u>
- Historic flood map <u>Download</u>



- Recorded flood outlines Download
- Flood storage areas <u>Download</u>
- Flood warning areas Download
- Flood alert areas Download
- Reservoir flood extents
  - Wet day <u>Download</u>
    Dry day <u>Download</u>
- LIDAR Composite Digital Terrain Model (DTM) 1m <u>Download</u>
- Risk of flooding from surface water: Extent
  - o 1 in 30yr <u>Download</u>
- 1 in 1000yr <u>Download</u>
- o 1 in 100yr Download
- Risk of flooding from surface water: Depth
  - o 1 in 30yr <u>Download</u>
- 1 in 1000yr Download
- o 1 in 100yr <u>Download</u>
- Risk of flooding from surface water: Hazard
  - o 1 in 30yr <u>Download</u>
- o 1 in 1000yr Download
- o 1 in 100yr Download
- Risk of flooding from surface water: Velocity
  - o 1 in 30yr <u>Download</u>
- o 1 in 1000yr Download
- o 1 in 100yr Download
- Groundwater source protection zones <u>Download</u>

### **Ordnance Survey (OS)**

The following data is freely accessible via the OS Data Hub and will be obtained and downloaded by the Metis project team on behalf of EEBC.

OS OpenMap - Local - Download



# Appendix 2 – Mapping

























