

Flood Risk in H&F

- Who manages flood risk
- Types of flooding
- July 2021 flooding
- What are we doing

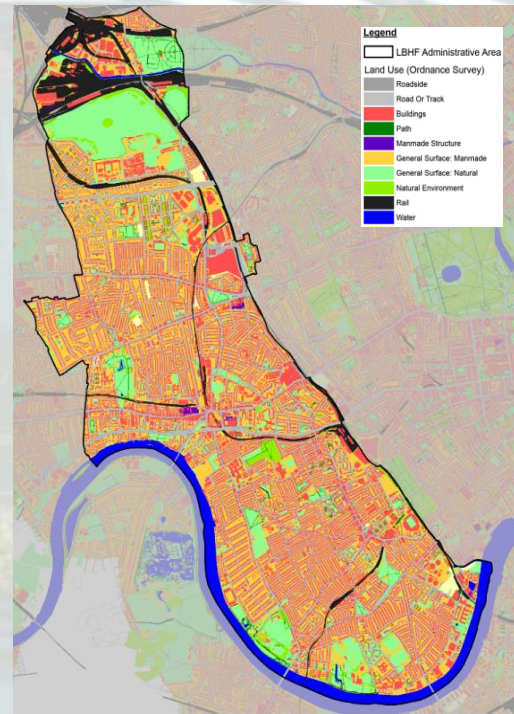
Who manages flood risk

- **Hammersmith and Fulham Council** are the Lead Local Flood Authority and have a duty
 - manage surface water, groundwater and ordinary watercourses
- **The Environment Agency** manages major watercourses, such as The River Thames
- **Water Companies** manage the sewer network

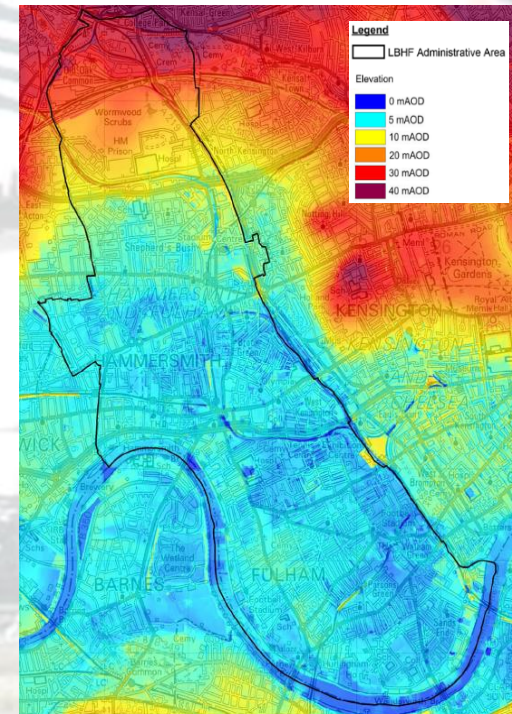


Types of Flooding

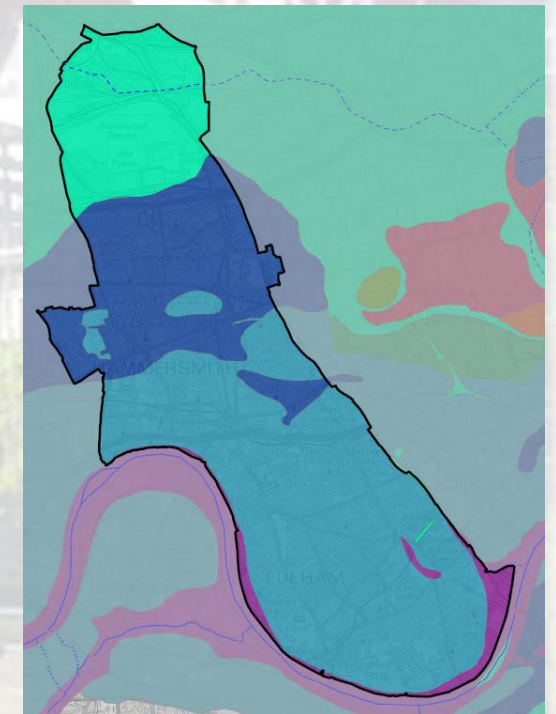
- Fluvial
- Tidal
- Groundwater
- Surface water



Land Use

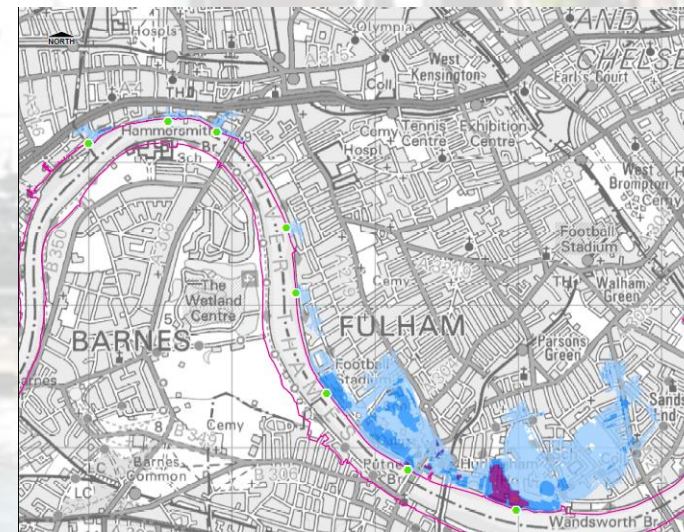
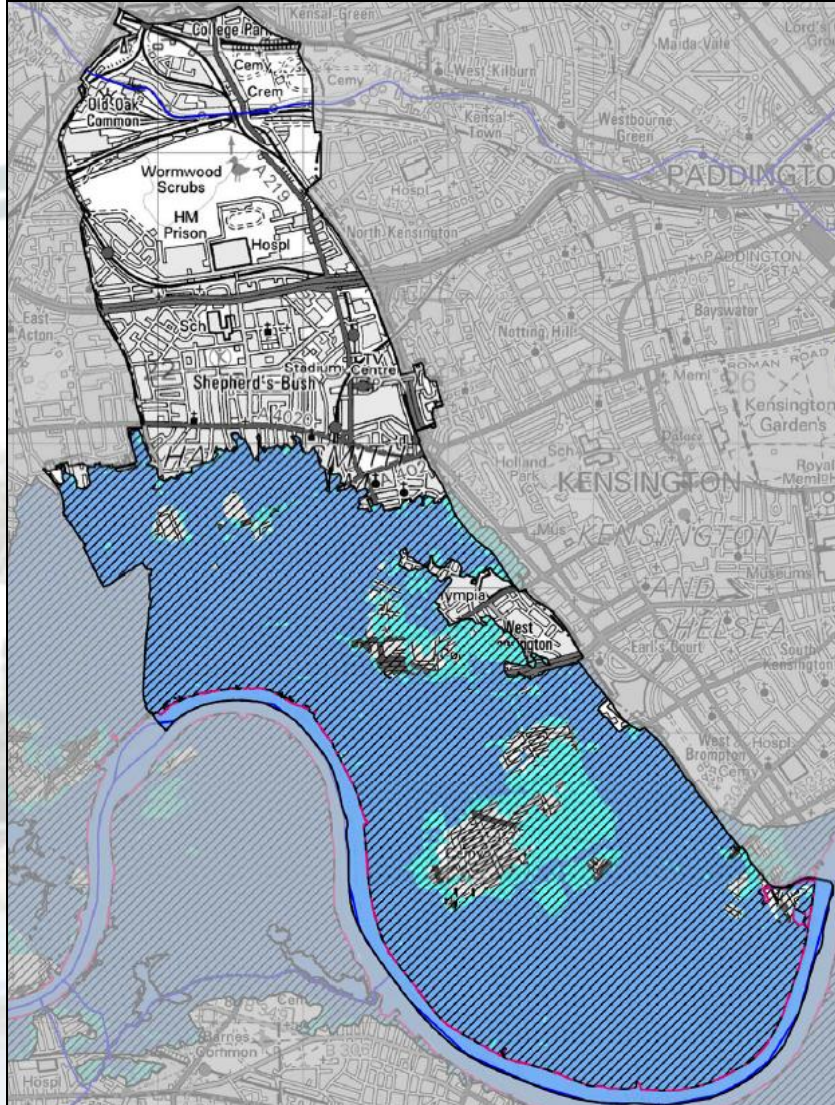


Topography

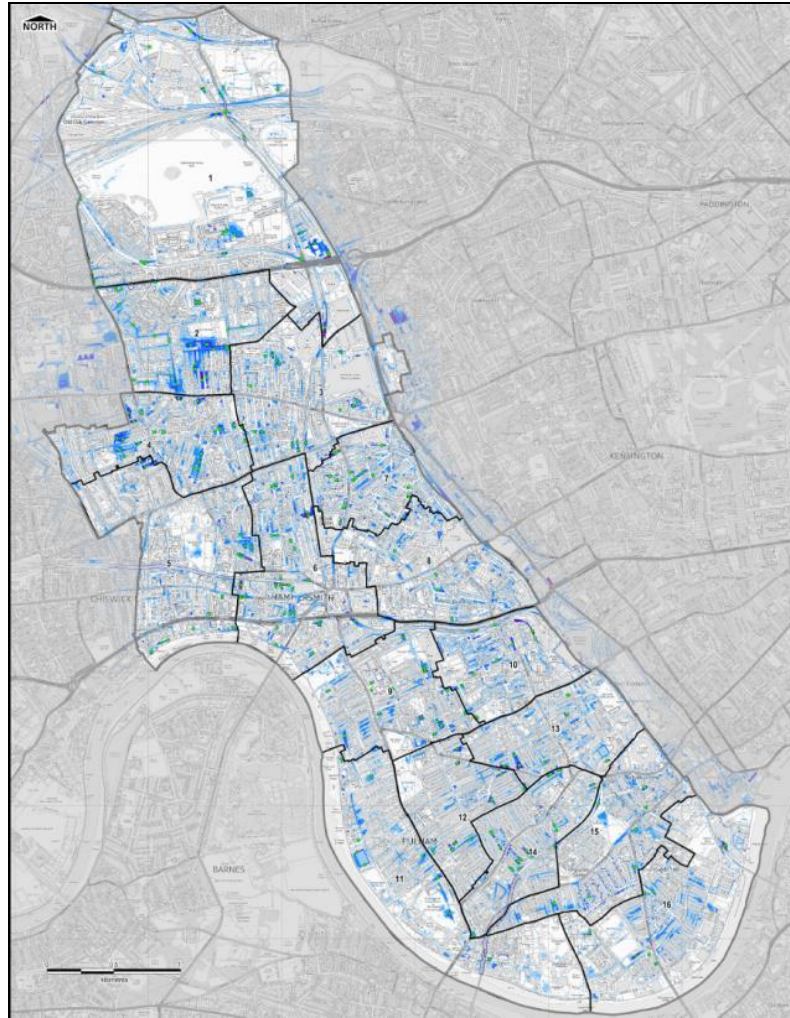


Geology

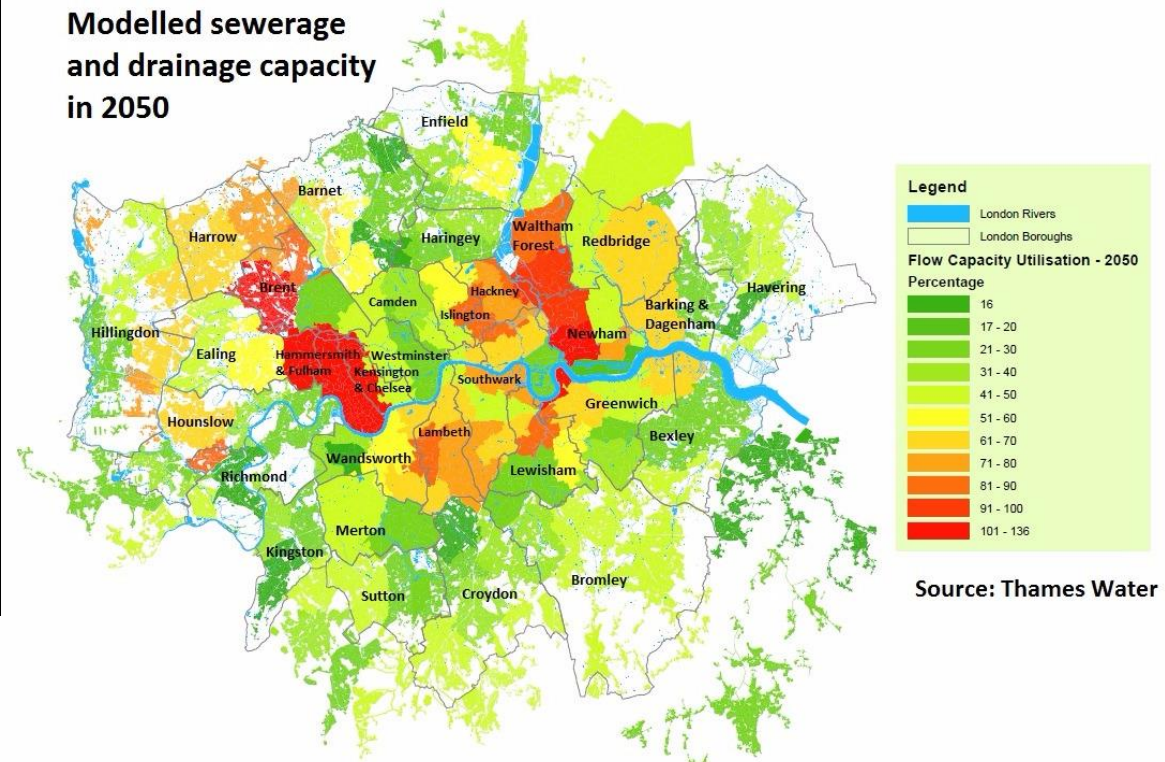
Fluvial/Tidal Flood Risk



Surface Water Flood Risk

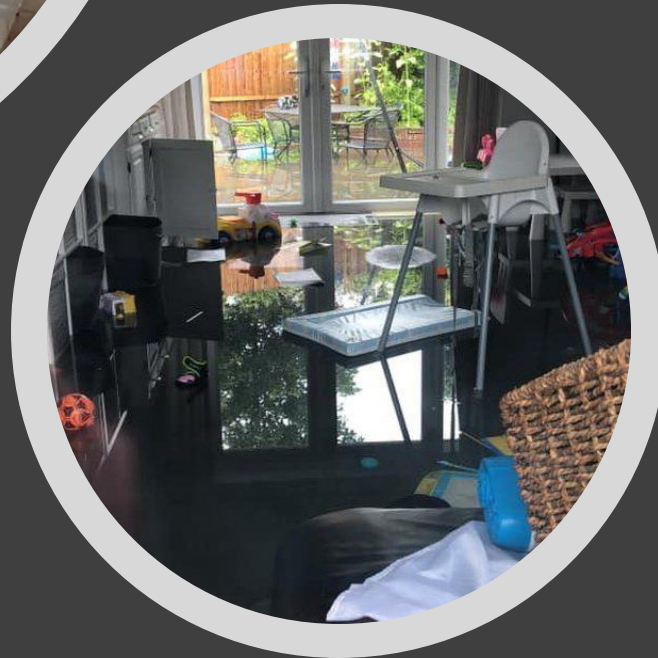


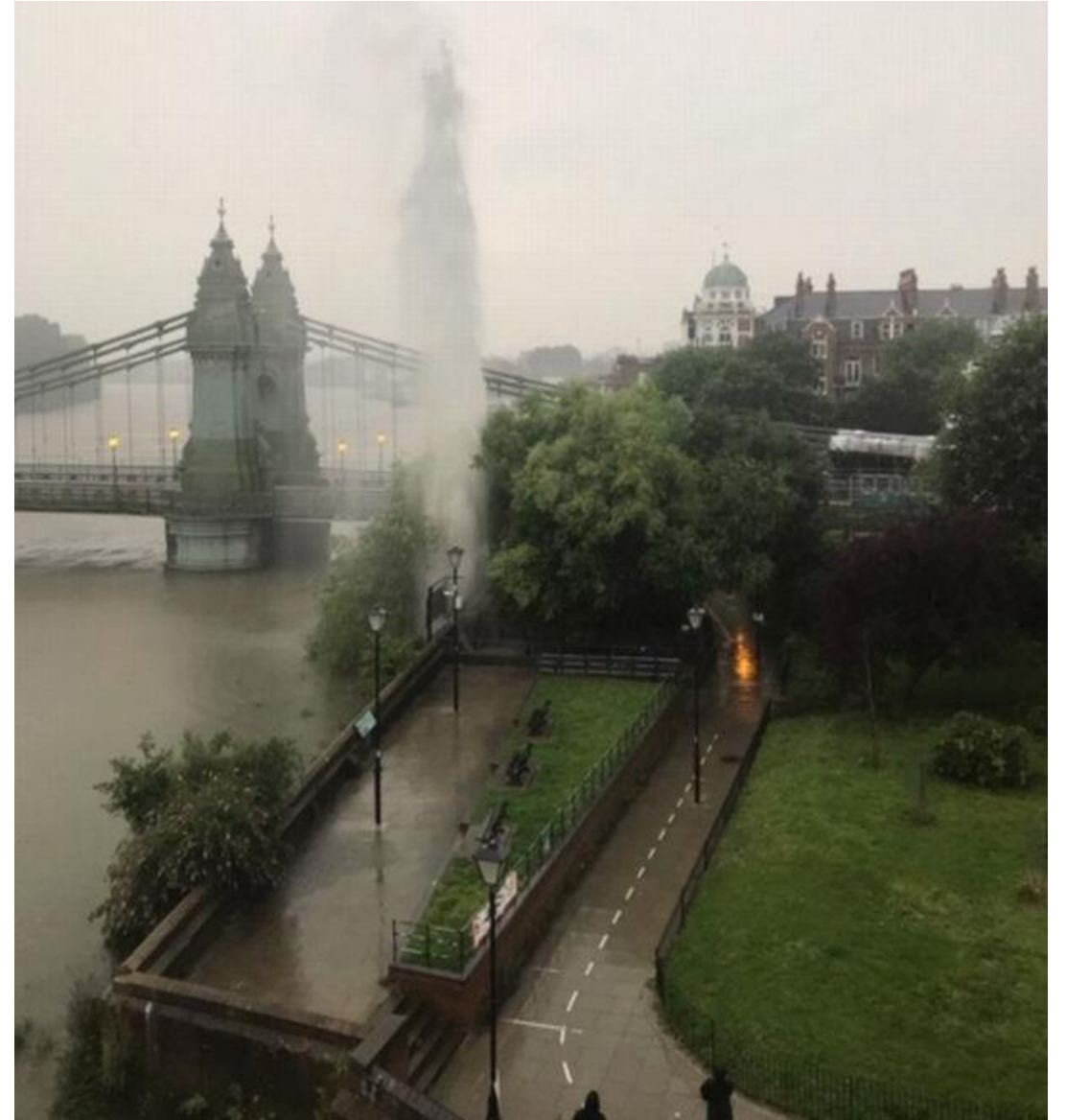
**Modelled sewerage
and drainage capacity
in 2050**



12th July 2021

- Intense rainfall over a 4-hour period
- North-west Relief Sewer could not cope and started to back surge. The sewer is pumped from Hammersmith pumping station, as such the Hammersmith/Brackenbury area was most affected
- 621 known properties flooded in Hammersmith and Fulham
- Residents had to be rehoused
- Some streets were flooded





Victorian Sewers

- Constructed in the late 19th Century for a London population of closer to 5 million. We are now over 8.6 million and growing
- Limited scope to increase the size of the sewer, space and cost a major issue.
- Property Level Protection, such as Non-Return Valves (NRVs) or pumped NRVs known as FLIPs both protect properties but do not resolve the quantity of water in the system and push the issue elsewhere
- Need a holistic approach to managing flood risk in H&F, but also in neighbouring borough and by Thames Water



What are we doing

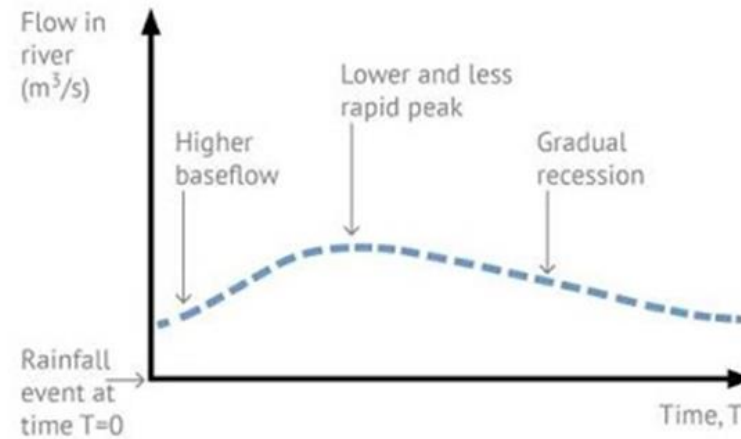
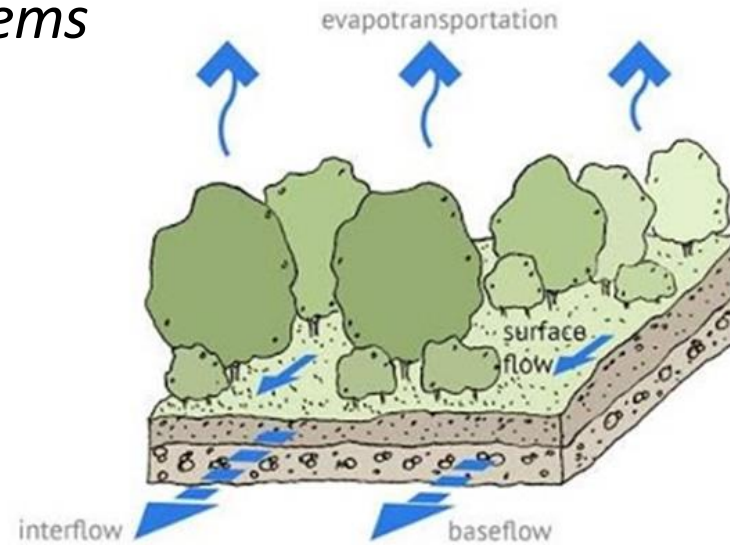
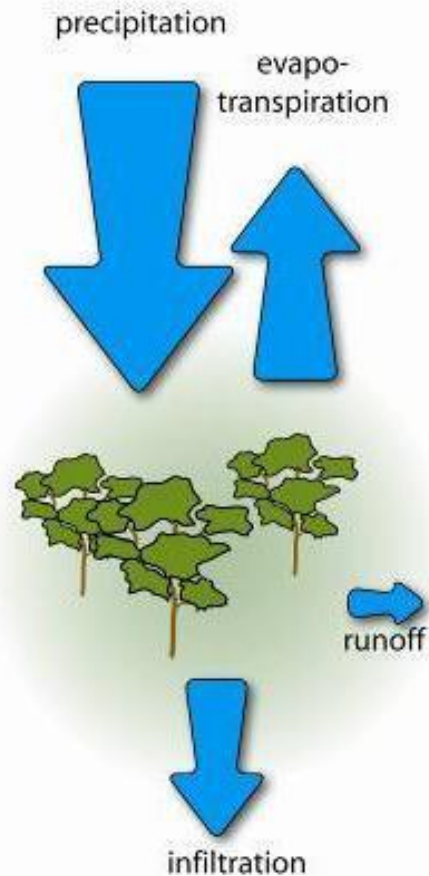
- Action Plan
- Working with other LBHF departments (joint Climate Adaptation Steering Group)
- Working with other Risk Management Authorities (other boroughs, EA, TW)
- Community projects
- Information – Rainwater guide
- SuDS projects: Highways, Parks, and Housing



What are SuDS?

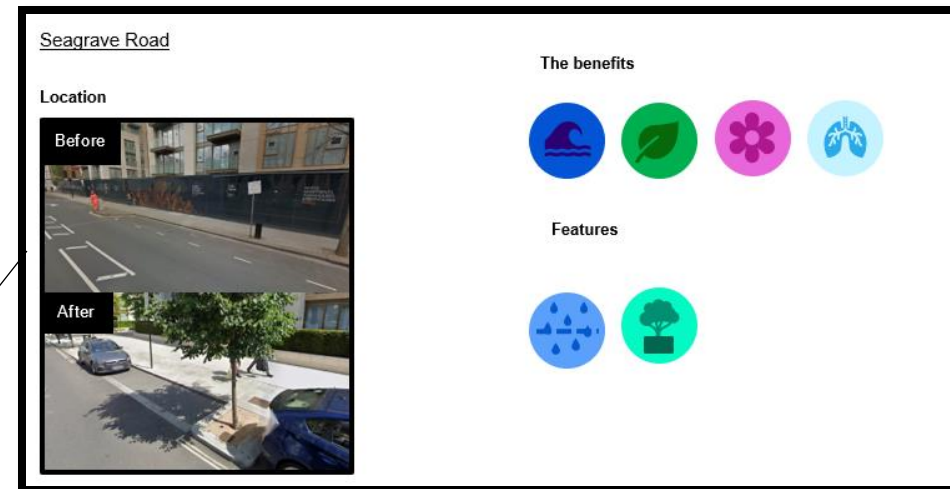
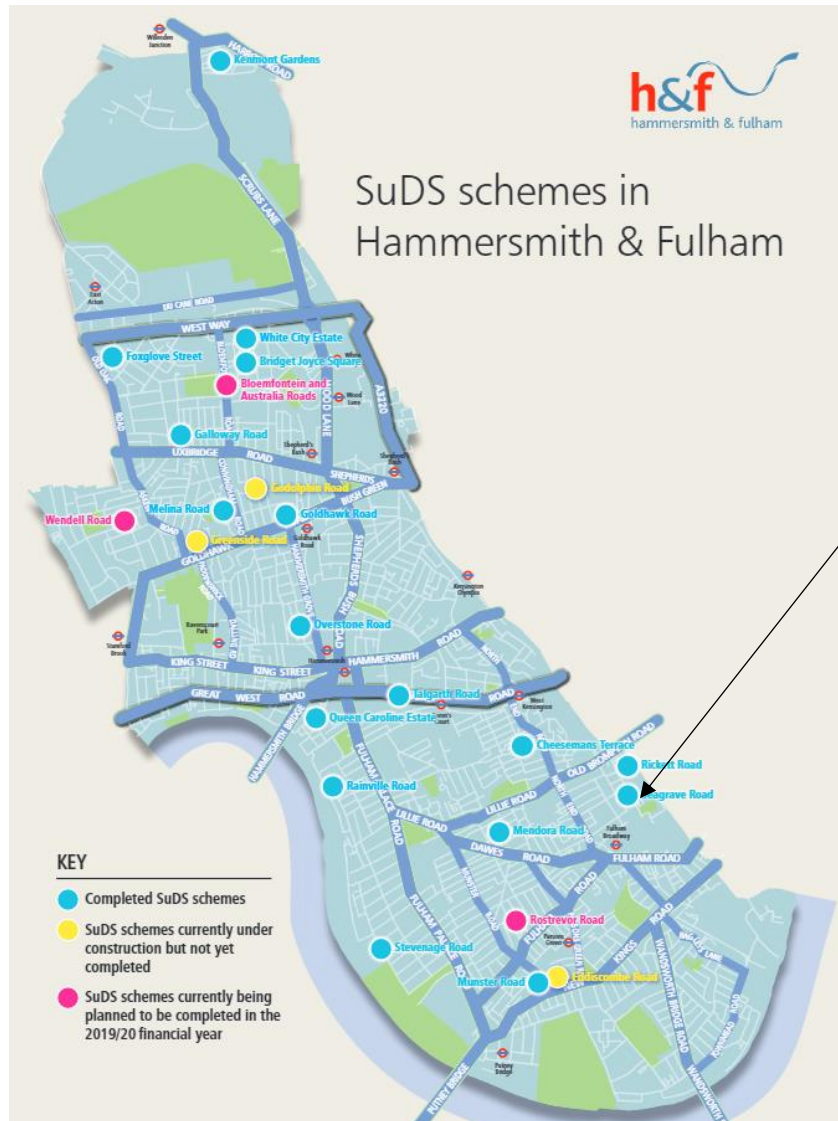
Sustainable urban Drainage Systems

natural water balance



Guidance

- SuDS map of borough
- Currently updating website and make interactive
- Developing a “Suggest It” map for residents to pin locations where they want to see SuDS



- Link to current guides such as the H&F living with rainwater guide



SuDS Schemes 2023/2024

- Milson Road and Masbro Road
 - Raingardens and engineered tree pits
 - Part funded by Thames Water
 - Delivered Autumn 2023
- Starch Green
 - Raingardens and a sensory garden
 - S106 and highways funded
 - Delivered Spring 2023
- New Kings Road
 - Wildflower verges that drain water
 - S106 funded
 - Delivered March 2023
- King Street
 - Rain gardens
 - S106, Highways, and King Street Development grant funded
 - Due to start in March 2024
- Crisp Road/Winslow Road
 - S106 funded
 - In progress due to complete in February 2024

