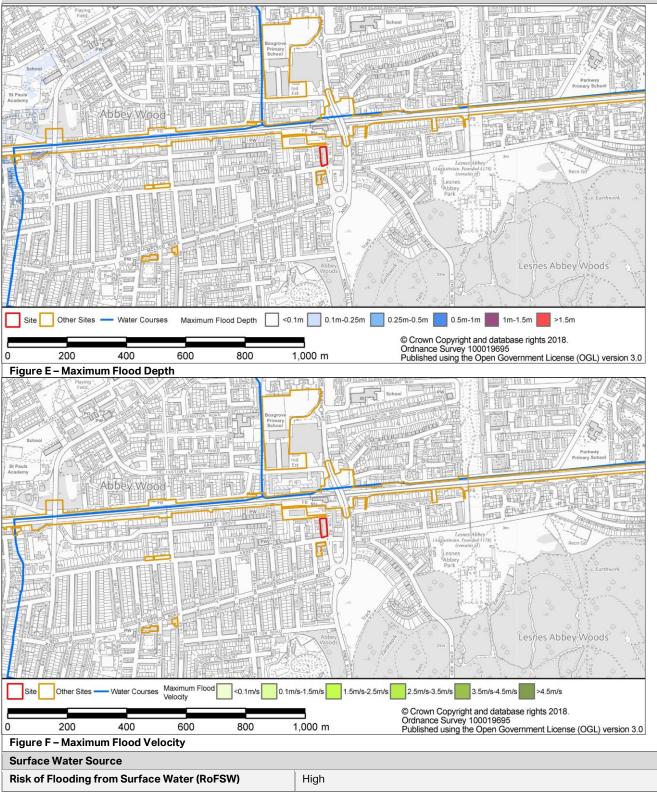
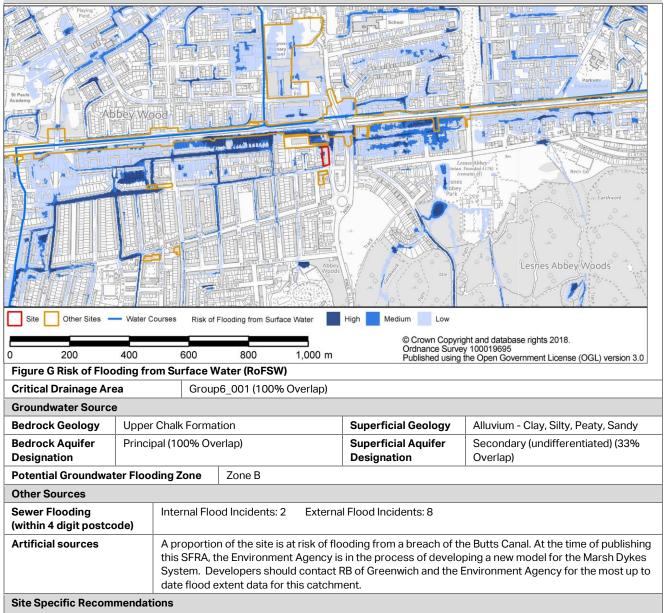


## Site Name: Wilton Road shops



## Site Name: Wilton Road shops



The site is predominantly located within Flood Zone 3. A small proportion of the site is located in Flood Zone 2. A large proportion of the site benefits from the presence of defences. This part of the site is at residual risk of tidal flooding. Less Vulnerable uses can be located at ground level. Basements are not permitted within Flood Zone 3 and are discouraged within areas of Flood Zone 2. The ROFSW map shows that site and surrounding area may be at high risk of surface water flooding. An assessment of the local surface water flow paths should be made during the development of the site design. Buildings and other more vulnerable aspects of the development should be placed away from those areas at risk of surface water ponding. Reference should be made to the Integrated Water Management Strategy for the area.

Finished floor levels should be set at whichever level is higher for fluvial or tidal flooding. For Tidal Flooding, Finished Floor Levels should either be: 300mm above the general ground level of the site or 600mm above the estimated sea level for a 1 in 200 year (0.5%AEP) event (including climate change). For Fluvial Flooding, Finished Floor Levels should either be: 300mm above the general ground level of the site or 600mm above the estimated River level for a 1 in 100 year (0.5%AEP) event (including climate change). A number of flood resistance and resilience measures can be implemented into new developments to mitigate potential flooding. Guidance on resilience measures can be found in the document 'Improving the Flood Performance of New Buildings, Flood Resilient Construction' published by The Department for Communities and Local Government (CLG).

Potential overland flow paths from surface water should be determined and appropriate solutions proposed to minimise the impact of the development, whilst ensuring that flows are not diverted towards other properties elsewhere. Developers should consider using design for exceedance approaches by using urban areas and infrastructure to help manage local flooding. Flow paths should be assessed to inform the strategic location of SuDS and techniques to route flows around the edge of buildings. Careful consideration should be given to the use of fences and landscaping walls so as to prevent causing obstruction to flow routes. Unobstructed safe access routes to and from the development should be provided. These should provide access to higher ground that is not at risk from flooding. Safe egress points would be most appropriately located to the south east of the site, along Milton Road Safe egress points would be most appropriately located to the south east of the site, along Milton Road Safe egress points would be most appropriately located to the south of the site. The local area is covered by the 'Tidal Thames from Erith High Street East to Woolwich Arsenal' Environment Agency Flood Warning Area. A Flood Warning and Evacuation Plan (FWEP) must be prepared for the site, detailing how flood warning will be provided as well as how the safety of occupants and access to/from the development will be ensured. Further details of what should be included can be found in the Developer Guidance. Reference to the SWMP Appendix D Figure D6 identifies that (prior to the completion of a site investigation to determine precise

## Site Name: Wilton Road shops

local conditions) infiltration of surface water into the ground is potentially suitable for the site. Site investigations will be required prior to the development of a Drainage Strategy for the site. Development should utilise sustainable urban drainage systems (SUDS) unless there are practical reasons for not doing so. The site is located within the Group6\_001 Critical Drainage Area. The potential development must not increase flood risk to other areas within the CDA. Where an increased risk exists, developers need to provide a Drainage Strategy to demonstrate how they intend to address this, by what methods, over what timeframe and how maintenance of such works would be funded over its lifetime. This should include a consideration of SuDS in line with the London Plan 5.13 and Local Plan Policies. Surface water run-off should be managed in line with Royal Greenwich's surface water management requirements, as set out in Chapter 4 of the Developer Guidance.

## Summary

The site is predominantly within Flood Zone 3, and has a residual risk of tidal/fluvial flooding for part of the site. It also has a high surface water flood risk and could be potentially flooded by a breach of the Butts Canal. Tidal/Fluvial flood risk mitigation measures should be implemented into the site design to manage flood risk. It is recommended that effective surface water management measures are implemented, including careful site and building layout and the incorporation of SuDS, in order to reduce flooding both on the site and routing of flood water to other areas. Due to the extent of flood risk on the site, a flood warning and evacuation plan should be implemented to ensure access to and from the site. On this basis, it is likely that this site could pass the Exception Test.