

Site Name: Morris Walk and Marion Grove Estate

Site ID:	W18	Site Address:	Woolwich	Area (ha):	5.84
Current Use:	Council owned housing estate	Proposed Use:	Redevelopment for improved quality and intensification of residential uses	Vulnerability Classification:	More Vulnerable

Fluvial Source:

Flood Zone 1 (<0.1% EP): 100%	Flood Zone 2 (0.1% AEP): 0%	Flood Zone 3 (1% AEP): 0%	Flood Zone 3b (5%AEP): 0%	Area Benefiting from Defences: 0%
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Surface Water Source

Risk of Flooding from Surface Water (RoFSW)	High
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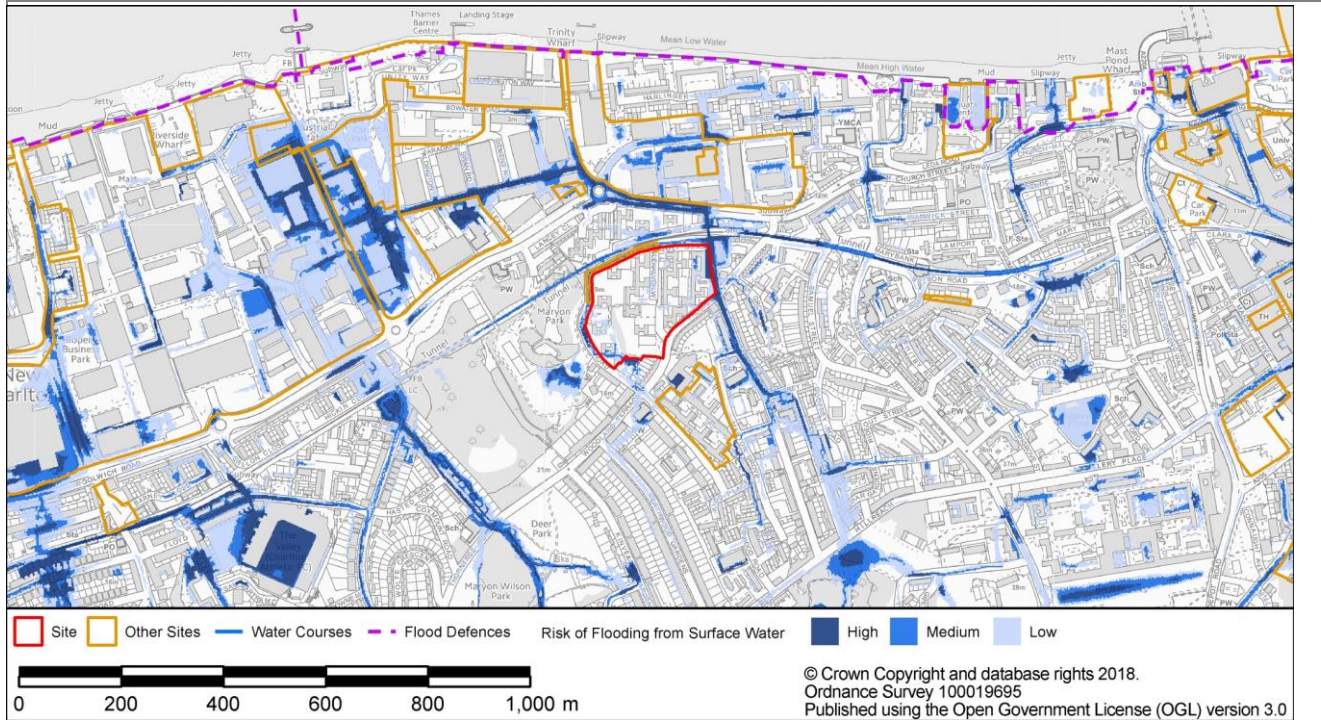


Figure A Risk of Flooding from Surface Water (RoFSW)

Critical Drainage Area	Group6_014 (100% Overlap)
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Groundwater Source

Bedrock Geology	Lambeth Group, Thanet Sand Formation	Superficial Geology	Head - Clay, Silt, Sand, Gravel
Bedrock Aquifer Designation	Secondary A (100% Overlap)	Superficial Aquifer Designation	Secondary (undifferentiated) (9% Overlap)

Potential Groundwater Flooding Zone	Zone A
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Other Sources

Sewer Flooding (within 4 digit postcode)	Internal Flood Incidents: 1 External Flood Incidents: 3
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Artificial sources	
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Site Specific Recommendations

An assessment of surface water flow paths should be made prior to site design, to encourage the location of buildings and more vulnerable aspects of the development away from those areas at risk of surface water ponding and flow paths. The site is located within the Charlton Prospect Vale historic surface water outline (as identified in the Greenwich SFRA and SWMP). Reference should be made to the Integrated Water Management Strategy for the area.

Although the site is within Flood Zone 1, it is good practice to set finished floor levels a minimum of 300mm above ground level in order to reduce the risk of flooding from surface water, which is at high risk in this area. It is recommended that consideration is given to the flow of surface water during the development of the site masterplan and layout to ensure effective management of surface water flows. 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).

Surface water 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 and increasing the risk of flooding to the site or neighbouring areas. It is possible that the management of flow from the site will help to reduce surface water ponding further down surrounding roads.

Reference to the SWMP Appendix D Figure D6 identifies that (prior to the completion of a site investigation to determine precise

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local conditions) infiltration of surface water into the ground is both potentially suitable and uncertain 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_014 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 within Flood Zone 1 and in accordance with NPPF does not require the application of the Exception Test. However, the site is at High Risk of Surface Water Flooding. It is recommended that effective surface water management measures are implemented in order to reduce flooding both on the site and routing of flood water to other areas. If the site will increase the risk of flooding, a drainage strategy should be provided to show how the site will be drained. Where possible, SuDS should be used to drain the site.