Site Name: D	Javy's sit					
Site ID:	G4		Site Address:	Greenwich	Area (ha):	0.51
Current Use:		ses including ne bar and cellar	Proposed Use:	Mixed use development of residential with a significant proportion of commercial floorspace (studio/office space above A1, A2 & A3 at street level). Retain exisiting statutorily and locally listed buildings, respecting the Conservation Area	Vulnerability Classification:	More Vulnerable
Tidal Source:	I		1			
Flood Zone 1		lood Zone 2 ).1% AEP): 76%	Flood Zone 3 (1% AEP): 49%	Flood Zone 3b (5%AEP): 0%	Area Benefitin 76.29%	g from Defences:
(<0.1% AEP): 24 Flood Zones an	!	-	(170 AEF): 49%	(370AEF): 070	70.29%	
Seree Contraction of the series of the serie					Nitional Marine	The Queen's crosswart
	her - Flood	Areas Benefiting	Flood 3	Flood Ordinary Watercourses (surface)	A Stranger Care Date Date Date Date Date Date Date Dat	a the second second
Site Site		es		Flood Zone 2 Ordinary Watercourses (surface) — © Crown Copy Ordinance Sun	Museum Mu	The Brance of Case of
Site Site   0 200	40	es	Flood as the flood	Flood Zone 2 Ordinary Watercourses (surface) — © Crown Copy Ordinance Sun	Museum Mu	The Brance of Cases Control o
Site	400 d Zones	es	800 1,000	Flood Zone 2 Ordinary Watercourses (surface) — © Crown Copy Ordinance Sun	Main Rivers (surface) might and database rights right eopen Government	The Brance of Case of

**Emergency Rest Centre** 

Greenwich West Community

and Arts Centre

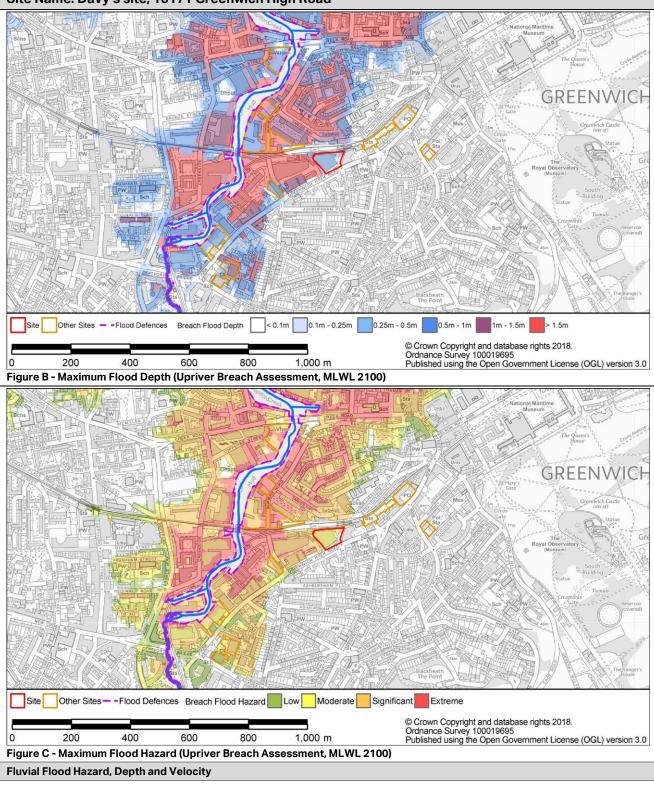
Flood Warning Area

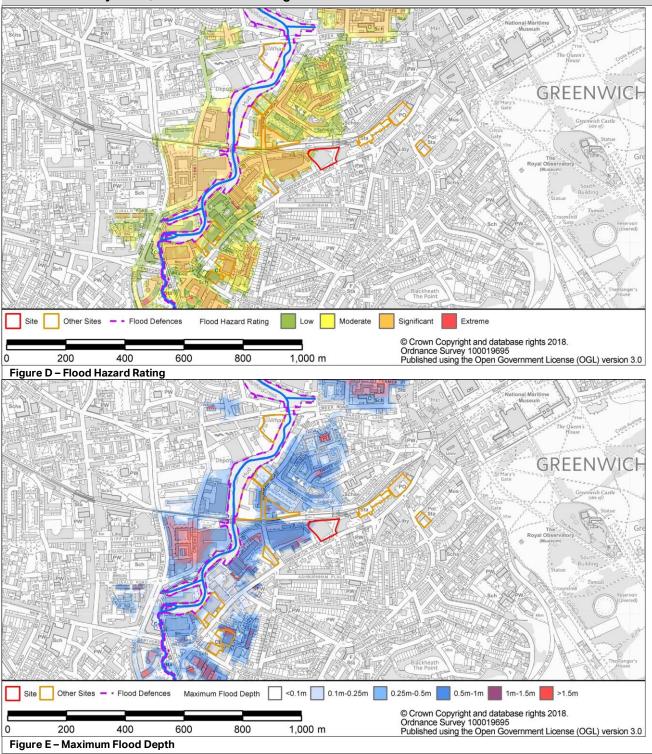
**Residual Tidal Flood Risk** 

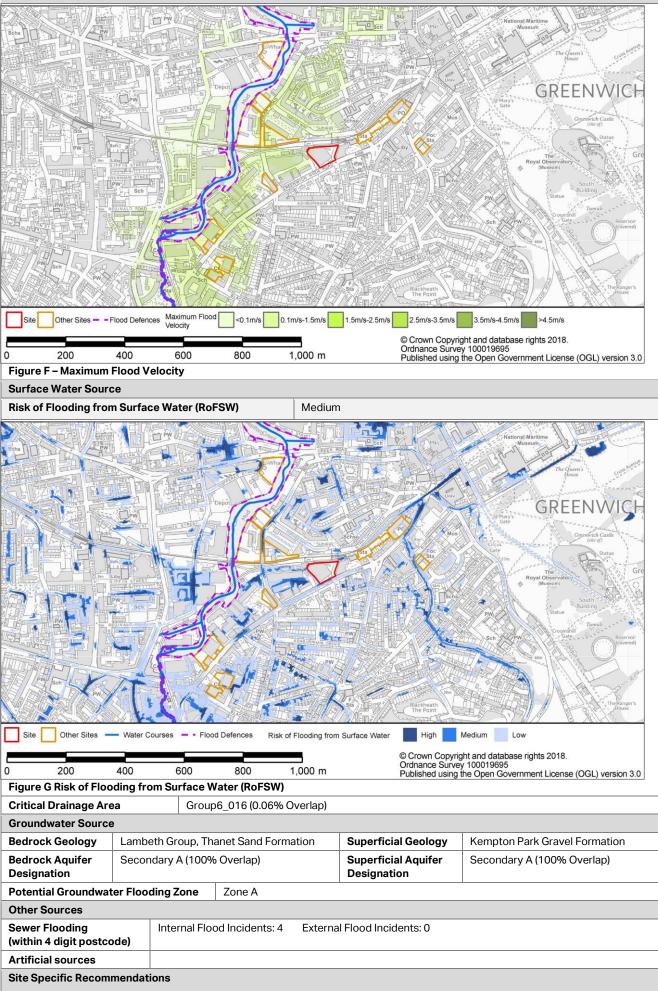
Tidal Thames from Woolwich

Arsenal to Deptford Creek

(77% Overlap)







The site is predominantly located within Flood Zone 3. A small proportion of the site is located in Flood Zone 2 and 1. The site benefits from the presence of defences and is at residual risk of tidal and fluvial flooding. More Vulnerable uses must be located on the first floor or above, with Less Vulnerable uses 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.

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).

Floodplain compensation storage should be provided for the area of the site within Flood Zone 3 associated with fluvial watercourses. Further details are provided in the Developer Guidance.

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 east of the site, in the layby outside the station. The local area is covered by the 'Tidal Thames from Woolwich Arsenal to Deptford Creek' 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 local conditions) infiltration of surface water into the ground is uncertain and 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\_016 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 3, and has a residual risk of tidal/fluvial flooding for part of the site. It also has a medium surface water flood risk. Tidal/Fluvial flood risk mitigation measures should be implemented into the site design to manage flood risk. More Vulnerable uses must be located on the first floor or above, with Less Vulnerable uses at ground level. 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.