

Site Name: Sutcliffe Park extension					
Site ID:	K7	Site Address:	Kidbrooke	Area (ha):	8.53
Current Use:	Vacant land and open space	Proposed Use:	Open space extension from Sutcliffe Park to Kidbrooke railway station	Vulnerability Classification:	Water Compatible

Fluvial Source:				
Flood Zone 1 (<0.1% AEP):	Flood Zone 2 (0.1% AEP):	Flood Zone 3 (1% AEP):	Flood Zone 3b (5%AEP):	Area Benefiting from Defences:
71%	29%	0%	0%	0%

Flood Zones and Flood Defences

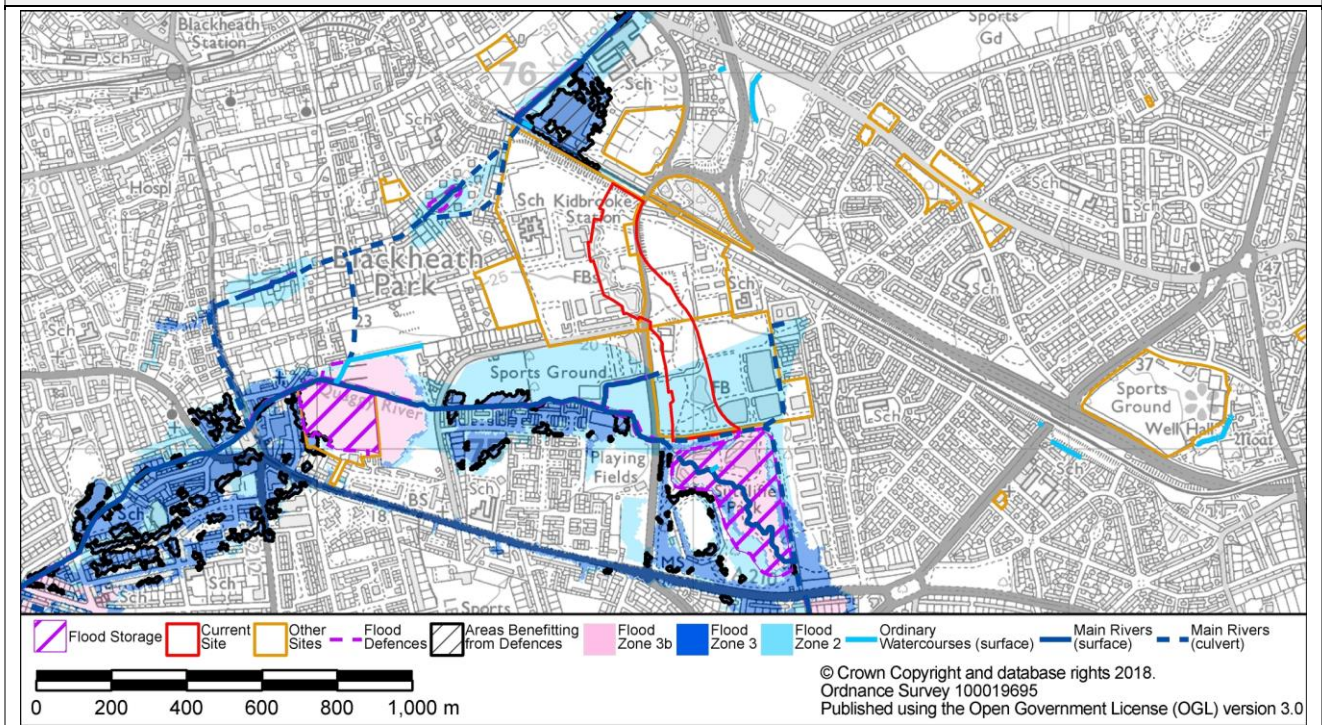


Figure A - Flood Zones

Flood Defence Type:	embankment	Standard of Protection:	70
Flood Warning Area	River Quaggy at Kidbrooke, Lee and Hither Green (29% Overlap)	Emergency Rest Centre	Wingfield Primary School

Food Hazard, Depth and Velocity

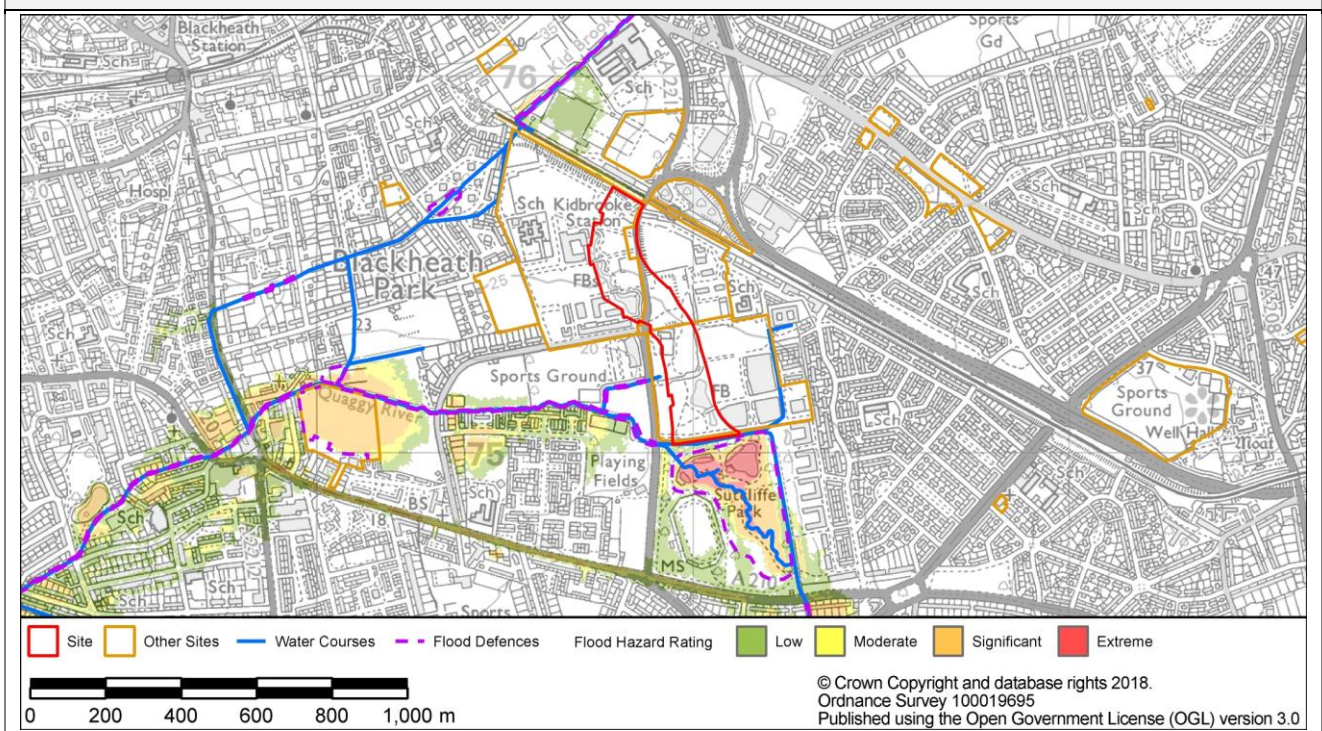


Figure B - Flood Hazard Rating

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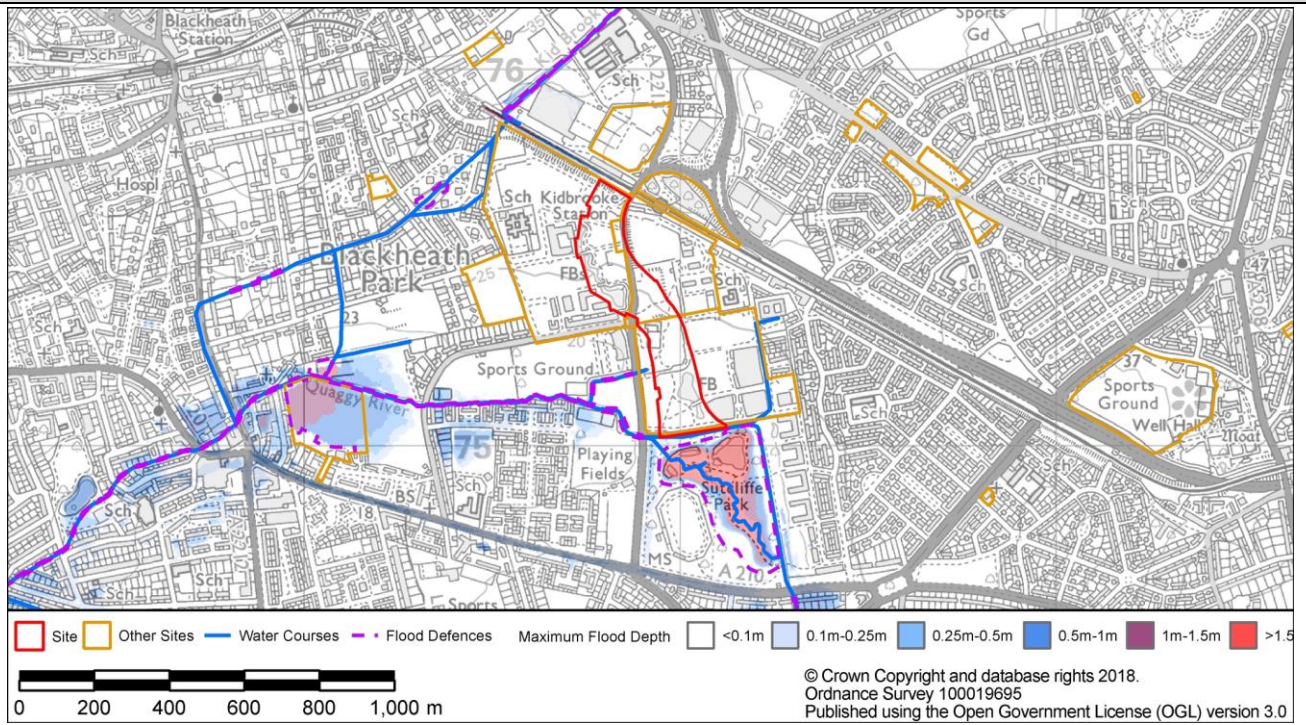


Figure C – Maximum Flood Depth

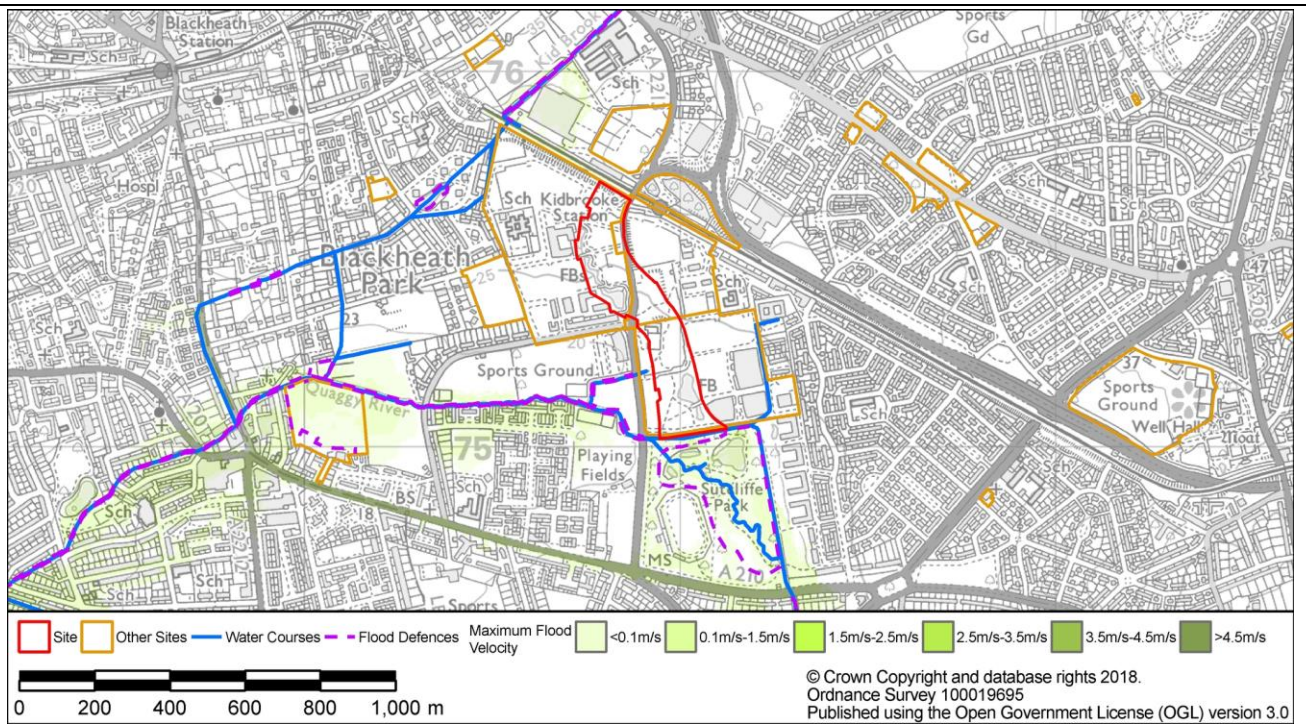


Figure D – Maximum Flood Velocity

Surface Water Source

Risk of Flooding from Surface Water (RoFSW)

High

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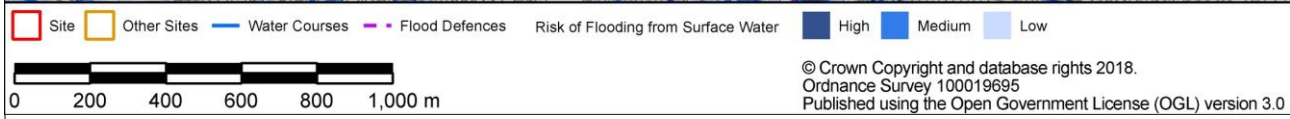
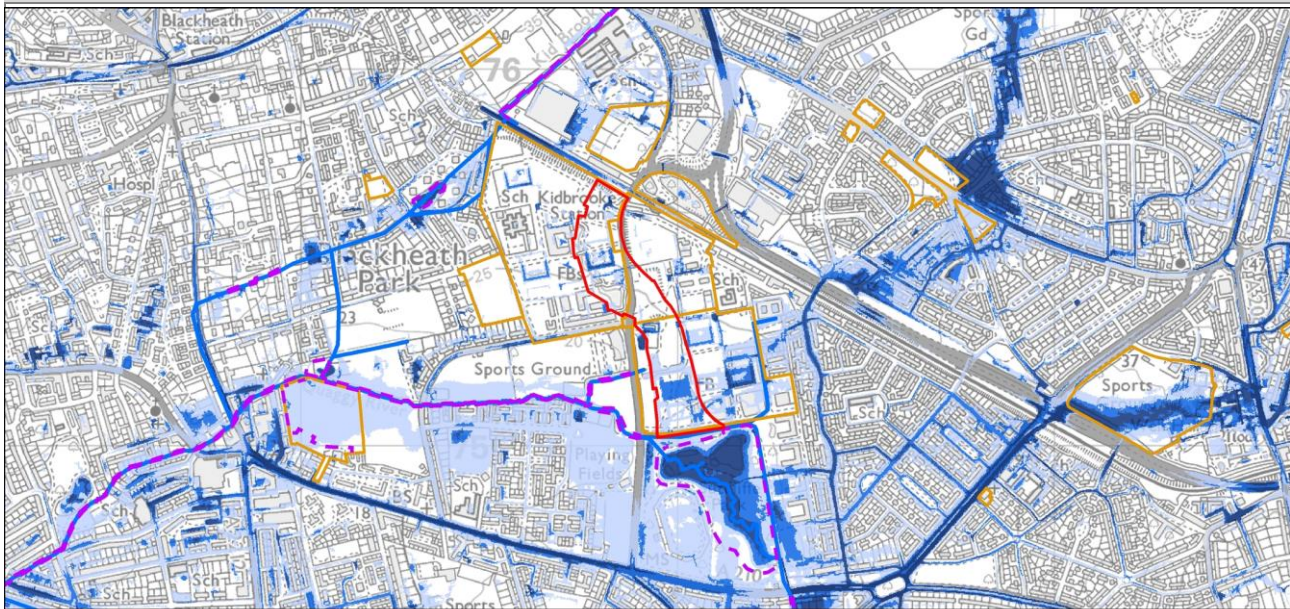


Figure E Risk of Flooding from Surface Water (RoFSW)

Critical Drainage Area	Group6_017 (64% Overlap)		
Groundwater Source			
Bedrock Geology	London Clay Formation	Superficial Geology	Kempton Park Gravel Formation
Bedrock Aquifer Designation	Unproductive (100% Overlap)	Superficial Aquifer Designation	Secondary A (29% Overlap)
Potential Groundwater Flooding Zone	N/A		
Other Sources			
Sewer Flooding (within 4 digit postcode)	Internal Flood Incidents: NoData	External Flood Incidents: NoData	
Artificial sources			

Site Specific Recommendations

The site is currently open space and is proposed to be used as an extension of the open space. The site is therefore classed as water compatible. The majority of the site is located within Flood Zone 1 and a proportion of the site is located in Flood Zone 2, to the south of the site. The site is not protected by the presence of defences. The culverted section of the River Quaggy is located along the southern edge of the site. 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. The unculverted section of the River Quaggy is located to the west and south of the site. The flood storage area associated with this watercourse is also located to the south of the site. Permission is required from the Environment Agency for work activity within 8m of a culvert or main river. This site is suitable for water compatible development.

Summary

The proposed site use is open space and is assessed as being water compatible and is therefore not subject to the Exception Test. It is at risk of fluvial and surface water flooding. It is recommended that effective management measures are implemented in order to reduce flooding both on the site and routing of flood water to other areas.