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Legend

Allocated Development Sites

Borough Boundary

Main River

Culverted Main River

Ordinary Watercourse

Culverted Ordinary Watercourse

--- Culverted Ordinary Watercourse
---- Flood Zone 3 with a 70%

allowance for climate change

Risk of flooding from Rivers

Flood Zone 3B
Flood Zone 3
Flood Zone 2

Risk of flooding from Surface Water

High risk of flooding (3.3% AEP)

Medium Risk of flooding (1% AEP)

Low risk of flooding (0.1% AEP)

Risk of flooding from groundwater

Limited potential for groundwater flooding to occur

Potential for groundwater flooding of property situated below ground level

Potential for groundwater flooding to occur at surface

Suitability for infiltration SuDS

Highly compatible for infiltration SuDS

Opportunities for bespoke infiltration

Probably compatible for infiltration

SuDS

SuDS

Very significant constraints are

Flood Risk from Reservoirs

Reservoir flood extents

USE THE BUTTONS BELOW TO DISPLAY / HIDE DIFFERENT SOURCES OF FLOOD RISK TO THE ALLOCATED SITE.





SITE NAME: SITE LOCATION:
Land at Bushell Way, Chislehurst Bushell Way, former Whitehorse Hill Allotments

 % OF SITE
 AREA (sq.m)

 FLOOD ZONE 2
 0
 0

 FLOOD ZONE 3A
 0
 0

 FLOOD ZONE 3B
 0
 0

(RIVERS)

FLUVIAL

SURFACE WATER

GROUNDWATER

SEWERS

ARTIFICIAL

SUMMARY

SUMMARY: The whole of the site is located within Flood Zone 1. In agreement with this, no recorded incidents of river flooding in this location are held by the Environment Agency.

	% OF SITE	AREA (sq.m)	MAX ANTICIPATED DEPTH
HIGH RISK OF FLOODING:	5	445	0.9m
MEDIUM RISK OF FLOODING:	11	980	0.9m
LOW RISK OF FLOODING:	25	2227	1.2m

SUMMARY: Parts of the site are at 'Low', 'Medium' and 'High' risk of flooding from surface water, with a maximum anticipated depth of approximately 1.2m. Mitigation measures will be required to reduce or manage the risk of surface water flooding to the proposed development; consideration should be given to the impact of those measures on the risk of flooding in the surrounding area.

Subject to ground conditions, the site is suitable for bespoke infiltration SuDS and in the vicinity of a surface water sewer. The proposed development drainage should therefore use the full SuDS hierarchy as specified by Policy 5.13 of the London Plan.

SUMMARY: The London Borough of Bromley does not hold any records of Groundwater flooding affecting the site. This is in agreement with the British Geological Survey groundwater mapping which indicates that groundwater flooding is unlikley to occur in this location.

SUMMARY: There is a surface water sewer approximately 3 metres from the site boundary, the residual risk of flooding from the sewer as a result of blockage should be considered by a site specific Flood Risk Assessment (FRA). Thames Water should be consulted as part of the FRA to determine the capacity of this and any other sewers in the vicinity and their likelihood of surcharging.

SUMMARY: The site is not in an area indicated to be at risk of flooding as a result of a reservoir breach.

SITE ALLOCATION: The 'Land at Bushell Way, Chislehurst' site has been allocated for Education use and is therefore classified as 'More Vulnerable' in accordance with Table 2 of the Planning Practice Guidance to the National Planning Policy Framework.

PLANNING IMPLICATION: There are no Main Rivers or Ordinary Watercourses within 500m of the allocated development site. The site is entirely located within Flood Zone 1 and is therefore an appropriate location for all development types, including Education.

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CHECKED	JB	16/05/2017
VERIFIED	GP	17/05/2017





STRATEGIC FLOOD RISK ASSESSMENT: LEVEL 2

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SITE AREA:

8908 sq.metres