

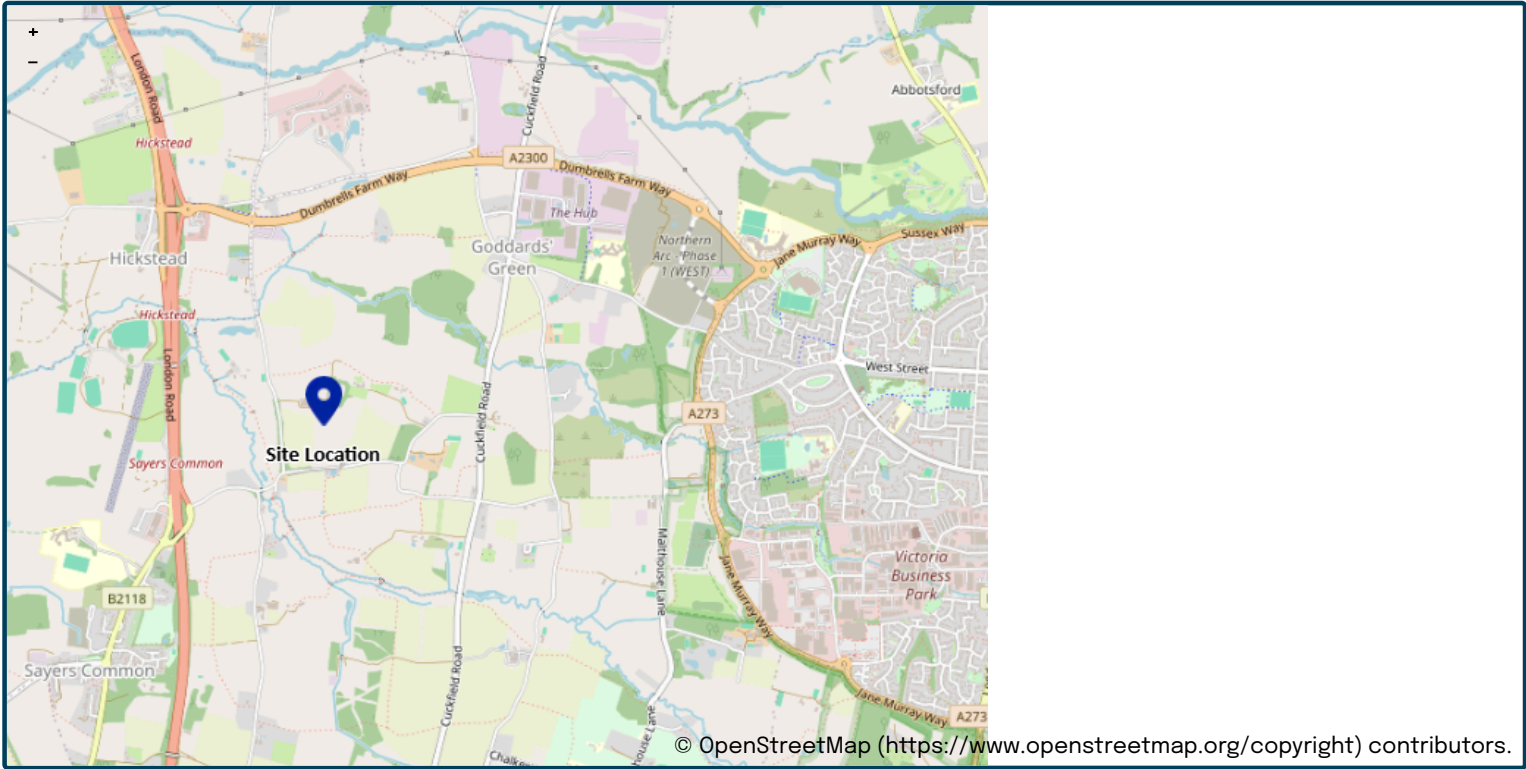
This is an estimation of the greenfield runoff rates that are used to meet normal best practice criteria in line with Environment Agency guidance “Rainfall runoff management for developments”, SC030219 (2013), the SuDS Manual C753 (CIRIA, 2015) and the non-statutory standards for SuDS (Defra, 2015). This information on greenfield runoff rates may be the basis for setting consents for the drainage of surface water runoff from sites.

Project details

Date	09/06/2025
Calculated by	LF
Reference	
Model version	2.0.1

Location

Site name	Naldretts Farm POLO PITCH
Site location	Syaers Common



Site easting	527654
Site northing	119209

Site details

Total site area (ha)	2.8	ha
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Greenfield runoff

Method

Method	IH124		
	<u>My value</u>		<u>Map value</u>
SAAR (mm)	819	mm	819
How should SPR be derived?	WRAP soil type		
WRAP soil type	4		4
SPR	0.47		
QBar (IH124) (l/s)	16.2	l/s	

Growth curve factors

	<u>My value</u>		<u>Map value</u>
Hydrological region	7		7
1 year growth factor	0.85		
2 year growth factor	0.88		
10 year growth factor	1.62		
30 year growth factor	2.3		
100 year growth factor	3.19		
200 year growth factor	3.74		

Results

Method	IH124	
Flow rate 1 year (l/s)	13.8	l/s
Flow rate 2 year (l/s)	14.3	l/s
Flow rate 10 years (l/s)	26.3	l/s
Flow rate 30 years (l/s)	37.4	l/s
Flow rate 100 years (l/s)	51.8	l/s
Flow rate 200 years (l/s)	60.8	l/s

Disclaimer

This report was produced using the Greenfield runoff rate estimation tool (2.0.1) developed by HR Wallingford and available at [uksuds.com](https://www.uksuds.com) (<https://www.uksuds.com/>).

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