

Greenfield runoff estimation for sites

Site name: Felpham Road
Site location: PO22 8QW

Site coordinates

Latitude:

Longitude:

Reference: 000000000000 / 0.1

Date: 16 Jun 2015

This is an estimation of the greenfield runoff rate limits that are needed to meet normal best practice criteria in line with Environment Agency guidance "Preliminary rainfall runoff management for developments", W5-074/A/TR1/1 rev. E (2012) and the CIRIA SUDS Manual (2007). It is not to be used for detailed design of drainage systems. It is recommended that every drainage scheme uses hydraulic modelling software to finalise volume requirements and design details before drawings are produced.

Site characteristics

Total site area	0.1	ha
Significant public open space	0	ha
Area positively drained	0.1	ha

Methodology

Greenfield runoff method	IH124
Qbar estimation method	Calculate from SPR and SAAR
SPR estimation method	Calculate from SOIL type
SOIL type	3
HOST class	N/A
SPR	0.37

Hydrological characteristics

	Default	Edited	
SAAR	0	0	mm
M5-60 Rainfall Depth	20	14	mm
'r' Ratio M5-60/M5-2 day	0.4	0.2	
FEH/FSR conversion factor	0.97	0.97	
Hydrological region	1	1	
Growth curve factor: 1 year	0	0.85	
Growth curve factor: 10 year		1.45	
Growth curve factor: 30 year	0	1.95	
Growth curve factor: 100 year	0	2.48	

Greenfield runoff rates

	Default	Edited	
Qbar		0.00	l/s
1 in 1 year		5.00	l/s
1 in 30 years		5.00	l/s
1 in 100 years		5.00	l/s

Please note that a minimum flow of 5 l/s applies to any site

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Date: 16 Jun 2015

Site characteristics

Total site area	0.1	ha
Significant public open space	0	ha
Area positively drained	0.1	ha

Methodology

Greenfield runoff method	FEH	
Qmed estimation method	Calculate from BFI and SAAR	
BFI and SPR estimation method	Calculate from dominant HOST	
HOST class	N/A	
BFI / BFIHOST	0.00	
Qmed	N/A	l/s
Qbar / Qmed Conversion Factor	N/A	

Hydrological characteristics

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