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Greenfield runoff rate

estimation for sites

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						**************************************	T arounda ranon
alculated by:	Robir	n Strettor	1			Site Details	
e name:	Canfi	ield Moat				Latitude:	51.86427° N
te location:		Canfield				Longitude:	0.31436° E
s is an estimation ine with Environme	of the green	eenfield rur cy guidanc	e "Rain	fall runoff m	nanagement for de	nal best practice criteria Reference: evelopments", ry standards for SuDS	650189265
ra, 2015). This int drainage of surfac		_		off rates ma	ay be the basis for	setting consents for Date:	Oct 19 2022 12:34
ınoff estimati	ion app	proach	IH12	4			
e characteris	stics					Notes	
al site area (ha) ethodology): 3.44	4				(1) Is Q _{BAR} < 2.0 l/s/ha?	
_{AR} estimation r	method:	: Calcu	ulate fr	om SPR	and SAAR	When Q _{BAR} is < 2.0 l/s/ha then I	imiting discharge rates are se
R estimation m	nethod:	Calcu	ulate fr	om SOIL	. type	at 2.0 l/s/ha.	
il characteris	stics	Defau	lt	Edit	ed		
IL type:		3		3		(2) Are flow rates < 5.0 l/s?	
ST class:		N/A		N/A		VA/Is and flavor makes and least these F	
R/SPRHOST:		0.37		0.37		Where flow rates are less than 5 usually set at 5.0 l/s if blockage	=
drological ch	naracte	eristics	D	efault	Edited	materials is possible. Lower con where the blockage risk is addre	
AR (mm):			594		594	drainage elements.	ssed by using appropriate
ydrological region:		6		6	(2) to SDD/SDDHOST < 0.22		
owth curve factor 1 year:		ear:	0.8	5	0.85	(3) Is SPR/SPRHOST ≤ 0.3?	
owth curve factor 30 years:		ears:	2.3		2.3	Where groundwater levels are low enough the use of soakaways to avoid discharge offsite would normally be preferred for disposal of surface water runoff.	
owth curve factor 100 years:		years:	3.19		3.19		
owth curve fact	tor 200	vears:	3.74	4	3.74		

Greenfield runoff rat	tes Default	Edited
Q _{BAR} (I/s):	8.15	8.15
1 in 1 year (l/s):	6.93	6.93
1 in 30 years (l/s):	18.76	18.76
1 in 100 year (l/s):	26.01	26.01
1 in 200 years (l/s):	30.5	30.5

This report was produced using the greenfield runoff tool developed by HR Wallingford and available at www.uksuds.com. The use of this tool is subject to the UK SuDS terms and conditions and licence agreement, which can both be found at www.uksuds.com/terms-and-conditions.htm. The outputs from this tool are estimates of greenfield runoff rates. The use of these results is the responsibility of the users of this tool. No liability will be accepted by HR Wallingford, the Environment Agency, CEH, Hydrosolutions or any other organisation for the use of this data in the design or operational characteristics of any drainage scheme.