Mountbatten House
Basing View
Basingstoke RG21 4HJ

Date 06 April 2006 15:41
File Northern Catchment
Micro Drainage

Designed By UKVXJ002
Checked By
Source Control W.10.1 net

IH 124 Mean Annual Flood

Input

Return Period (years)	100	SAAR (mm)	700.000	Urban	0.000
Area (Ha)	50.000	Soil	0.470	Region Number	6

Results	l/s
QBAR Rural	241.4
QBAR Urban	241.4
Q 100 years	770.0
Q 1 year	205.2
Q 2 years	212.7
Q 5 years	309.0
Q 10 years	391.1
Q 20 years	483.6
Q 25 years	518.5
Q 30 years	547.1
Q 50 years	632.4
Q 100 years	770.0
Q 200 years	905.2
Q 250 years	948.7
Q 1000 years	1245.6

The results are given for a 50 ha site; therefore, for 38 ha site

$Q_{Bar\ rural} = 183.5\ l/s$

$Q_{30\ years} = 415.8\ l/s$

$Q_{100\ years} = 585.2\ l/s$.

$Q_{2\ years} = 161.7\ l/s$.

Mountbatten House
Basing View
Basingstoke RG21 4HJ

Date 06 April 2006 15:41
File Sewer Network No. 4.
Micro Drainage

Designed By UKVXJ002
Checked By
Source Control W.10.1 net

IH 124 Mean Annual Flood

Input

Return Period (years)	100	SAAR (mm)	700.000	Urban	0.000
Area (Ha)	50.000	Soil	0.470	Region Number	6

Results	l/s
QBAR Rural	241.4
QBAR Urban	241.4
Q 100 years	770.0
Q 1 year	205.2
Q 2 years	212.7
Q 5 years	309.0
Q 10 years	391.1
Q 20 years	483.6
Q 25 years	518.5
Q 30 years	547.1
Q 50 years	632.4
Q 100 years	770.0
Q 200 years	905.2
Q 250 years	948.7
Q 1000 years	1245.6

The results are given for a 50 ha site, therefore, for a 21.2 ha:

$Q_{Bar} = 102.4$ l/s

$Q_{2\ years} = 90.2$ l/s

$Q_{30\ years} = 232$ l/s

$Q_{100\ years} = 326.5$ l/s.

IH 124 Mean Annual Flood

Input

Return Period (years)	100	SAAR (mm)	700.000	Urban	0.000
Area (Ha)	50.000	Soil	0.470	Region Number	6

Results	l/s
QBAR Rural	241.4
QBAR Urban	241.4
Q 100 years	770.0
Q 1 year	205.2
Q 2 years	212.7
Q 5 years	309.0
Q 10 years	391.1
Q 20 years	483.6
Q 25 years	518.5
Q 30 years	547.1
Q 50 years	632.4
Q 100 years	770.0
Q 200 years	905.2
Q 250 years	948.7
Q 1000 years	1245.6

The results are given for a 50 ha site; therefore for a 18.8 ha site:

$Q_{Bar} = 90.8$ l/s

$Q_{2\ years} = 80$ l/s.

$Q_{30\ years} = 205.7$ l/s

$Q_{100\ years} = 289.5$ l/s.

Mountbatten House
Basing View
Basingstoke RG21 4HJ

Date 05 April 2006 19:21
File Southern Catchment
Designed By UKVXJ002
Checked By
Micro Drainage
Source Control W.10.1 net

IH 124 Mean Annual Flood

Input

Return Period (years)	100	SAAR (mm)	700.000	Urban	0.000
Area (Ha)	70.000	Soil	0.470	Region Number	6

Results l/s

QBAR Rural	325.7
QBAR Urban	325.7
Q 100 years	1038.9
Q 1 year	276.8
Q 2 years	286.9
Q 5 years	416.9
Q 10 years	527.6
Q 20 years	652.4
Q 25 years	699.5
Q 30 years	738.1
Q 50 years	853.3
Q 100 years	1038.9
Q 200 years	1221.3
Q 250 years	1279.9
Q 1000 years	1680.5