

Mountbatten House

Basing View

Basingstoke RG21 4HJ

Date 06 April 2006 15:41

File *Northern 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)	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 50ha site; therefore,  
for 38 ha site

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

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

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

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

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 50ha site, therefore, for a 21.2 ha:

$$Q_{Bar} = 102.4 \text{ l/s}$$

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

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

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

Mountbatten House

Basing View

Basingstoke RG21 4HJ

Date 06 April 2006 15:42

File *Sewer Network No. 1*

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)	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 50ha site; therefore for a 18.8 ha site:

$$Q_{Bar} = 90.8 \text{ l/s}$$

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

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

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

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 1/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