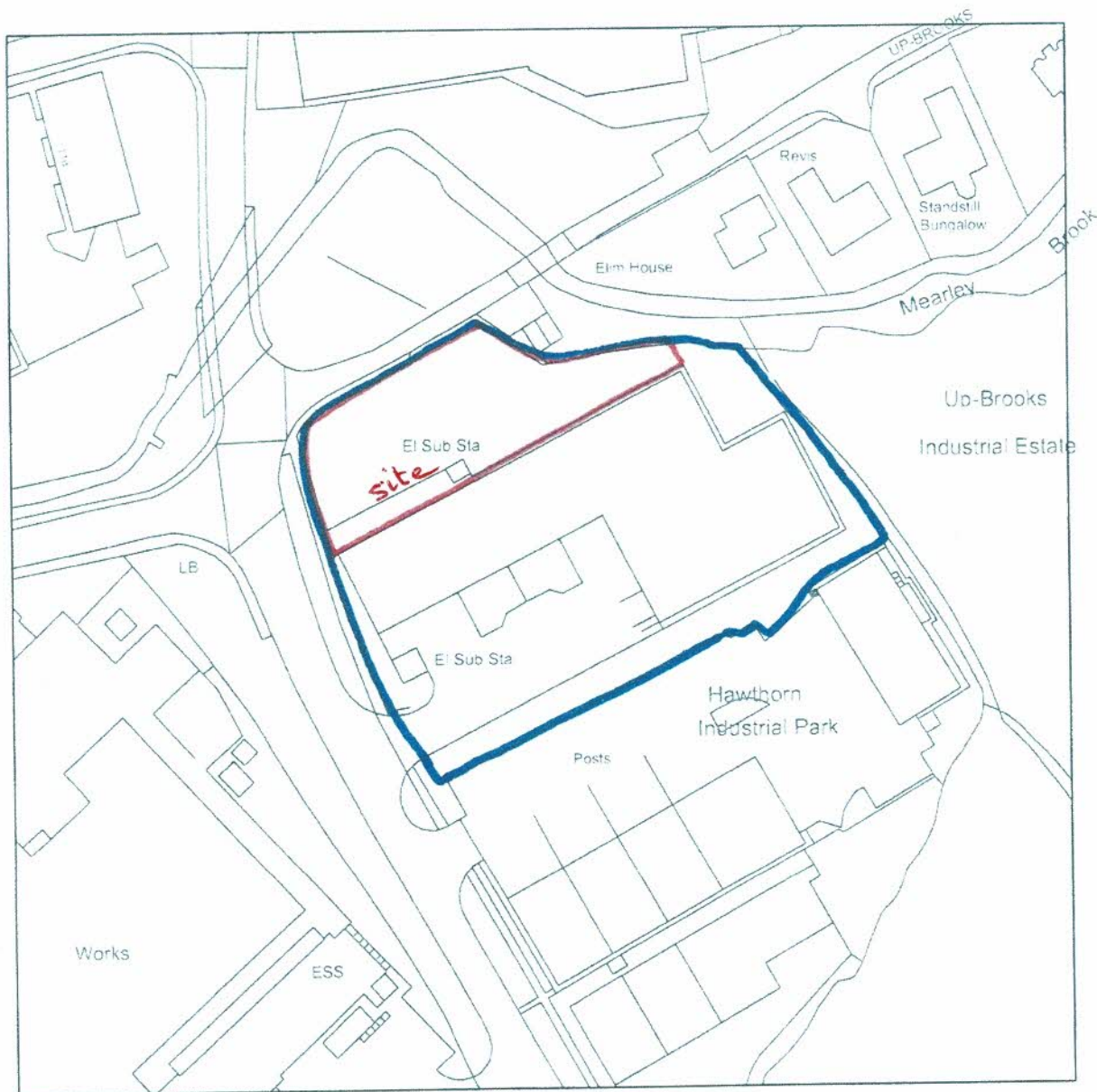




1:1250





Flood map for planning

BETA This is a new service – your [feedback \(/feedback\)](#) will help us to improve it.

[Download report](#)

Flood probability

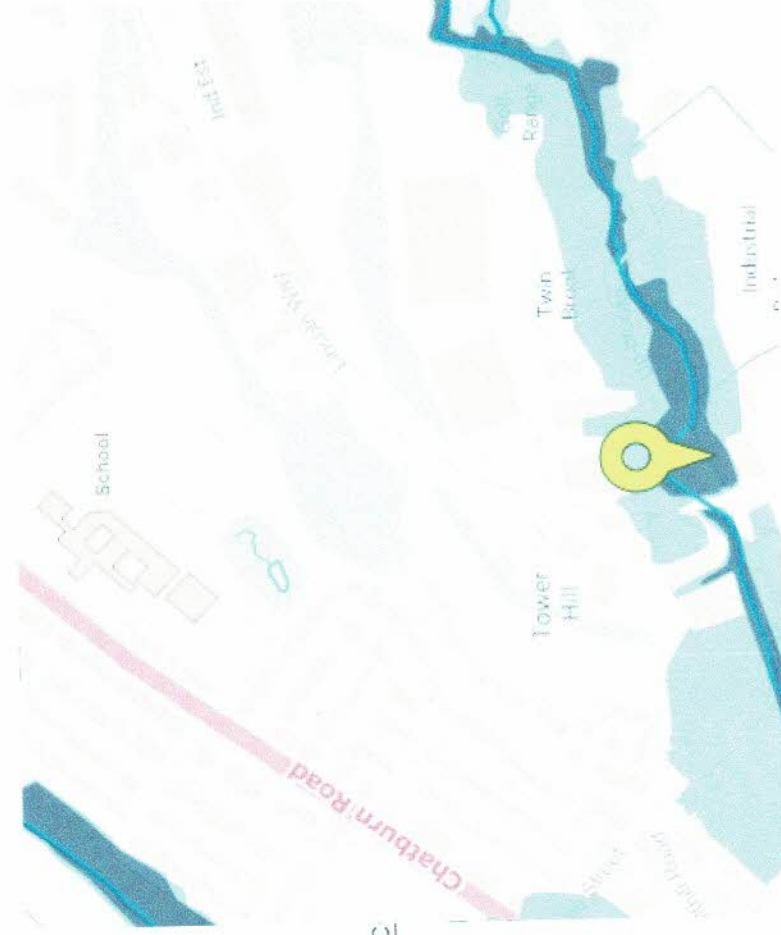
Your proposed development is in an area with a high probability of flooding

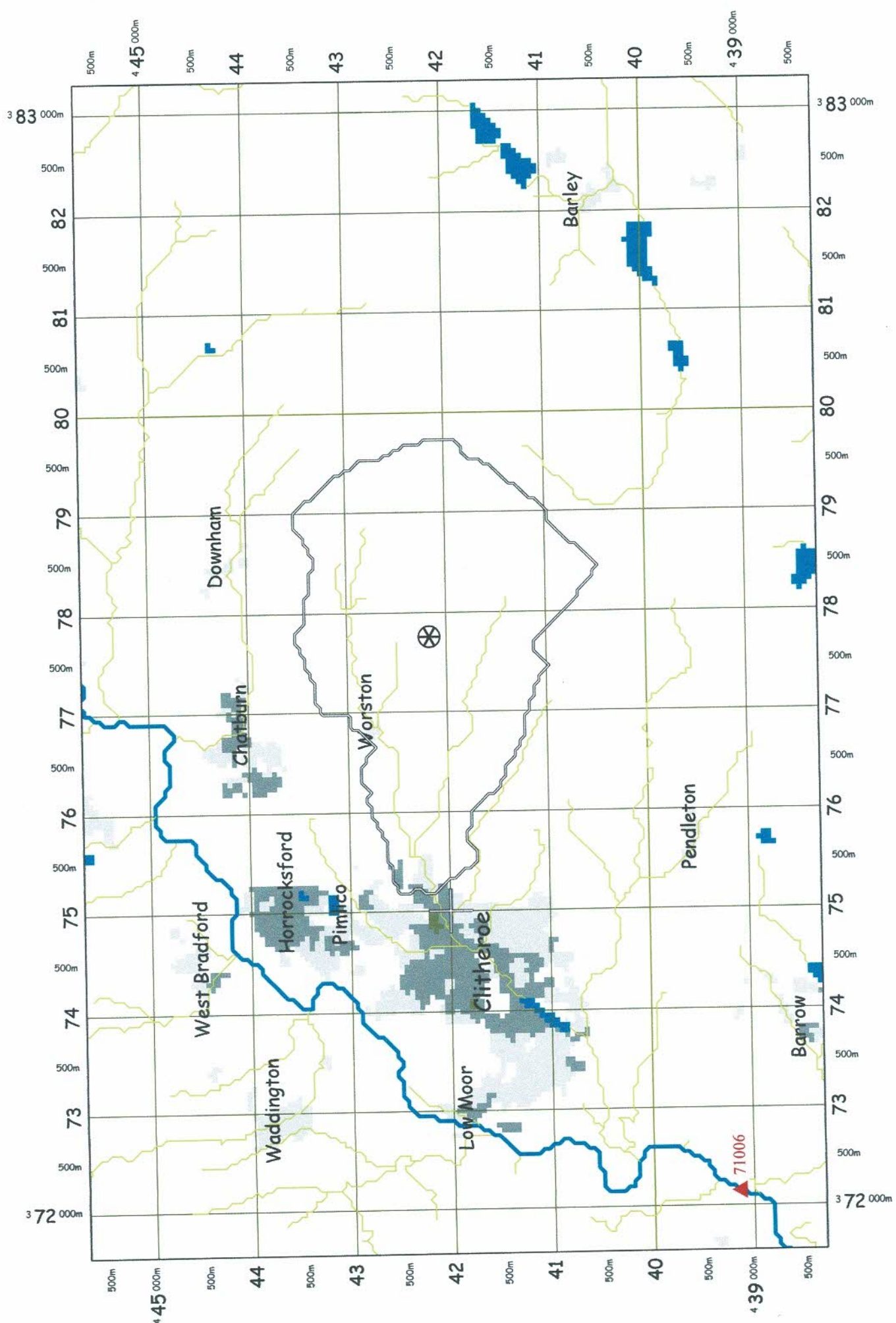
FLOOD ZONE 3

Land and property in flood zone 3 have a high probability of flooding

More information about flood zones
(<http://planningguidance.communities.gov.uk/blog/guidance-risk-and-coastal-change/flood-zone-and-flood-risk-tables/table-1-flood-zones>)

1 You must carry out a [flood risk assessment](https://www.gov.uk/guidance/flood-risk-assessment-for-planning-applications)
(<https://www.gov.uk/guidance/flood-risk-assessment-for-planning-applications>) for development in flood zone 3





[illegible]

VERSION	FEH CD-R	Version	3	exported at	16:23:40	GMT	Fri	16-Mar-18	B2065
Parameters				Unadjusted rainfall depths				mel	
Calculation	Design rainfall			Clitheroe					
Calculation	For a point								
Calculation	1 km point	GB	375000	442000	SD 75000	42000			
Duration=	6	1 (hours)							
Fixed dura no									
Return per	100	1 (years)							
Annual ma yes									
c	d1	d2	d3	e	f				
-0.025	0.405	0.385	0.437	0.301	2.458				
A design rainfall of 78.4 mm was calculated.									
No warning(s) or note(s) were present for this calculation.									
The data in the following table have been computed using sliding durations.									
			10	20	50	100	200	500	
Duration	Duration	Duration	year rainfa	year rainfa	year rainfa	year rainfa	year rainfa	year rainfall	
minutes	hours	days	mm	mm	mm	mm	mm	mm	
15	0.25	0.010417	14.18	18.06	24.69	31.21	39.41	53.63	
30	0.5	0.020833	18.06	22.71	30.55	38.15	47.61	63.77	
45	0.75	0.03125	20.8	25.97	34.61	42.91	53.18	70.56	
60	1	0.041667	23	28.56	37.81	46.65	57.51	75.81	
75	1.25	0.052083	24.86	30.75	40.49	49.77	61.12	80.16	
90	1.5	0.0625	26.49	32.66	42.83	52.47	64.24	83.89	
105	1.75	0.072917	27.95	34.37	44.9	54.87	66.99	87.18	
120	2	0.083333	29.29	35.92	46.79	57.03	69.48	90.14	
135	2.25	0.09375	30.51	37.35	48.51	59.02	71.74	92.83	
150	2.5	0.104167	31.66	38.67	50.11	60.85	73.83	95.3	
165	2.75	0.114583	32.73	39.91	51.6	62.55	75.78	97.6	
180	3	0.125	33.73	41.07	53	64.15	77.6	99.74	
195	3.25	0.135417	34.69	42.18	54.32	65.66	79.31	101.75	
210	3.5	0.145833	35.6	43.22	55.57	67.08	80.93	103.65	
225	3.75	0.15625	36.46	44.22	56.76	68.44	82.46	105.46	
240	4	0.166667	37.29	45.17	57.9	69.73	83.93	107.17	
255	4.25	0.177083	38.09	46.09	58.99	70.97	85.33	108.8	
270	4.5	0.1875	38.86	46.97	60.03	72.16	86.67	110.37	
285	4.75	0.197917	39.6	47.82	61.04	73.3	87.95	111.87	
300	5	0.208333	40.31	48.63	62.01	74.39	89.19	113.31	
315	5.25	0.21875	41	49.43	62.95	75.45	90.39	114.7	
330	5.5	0.229167	41.67	50.19	63.85	76.48	91.54	116.04	
345	5.75	0.239583	42.33	50.94	64.73	77.47	92.65	117.33	
360	6	0.25	42.96	51.66	65.59	78.43	93.74	118.58	
375	6.25	0.260417	43.57	52.36	66.41	79.37	94.78	119.8	
390	6.5	0.270833	44.17	53.04	67.22	80.28	95.8	120.98	
405	6.75	0.28125	44.76	53.71	68	81.16	96.79	122.12	
420	7	0.291667	45.33	54.36	68.77	82.02	97.76	123.24	
435	7.25	0.302083	45.89	54.99	69.52	82.86	98.7	124.32	
450	7.5	0.3125	46.43	55.61	70.24	83.68	99.61	125.38	
465	7.75	0.322917	46.97	56.22	70.96	84.48	100.51	126.41	
480	8	0.333333	47.49	56.81	71.65	85.26	101.38	127.41	
495	8.25	0.34375	48	57.4	72.33	86.02	102.24	128.4	
510	8.5	0.354167	48.51	57.97	73	86.77	103.07	129.36	
525	8.75	0.364583	49	58.52	73.65	87.5	103.89	130.3	
540	9	0.375	49.48	59.07	74.29	88.22	104.69	131.22	
555	9.25	0.385417	49.96	59.61	74.92	88.92	105.48	132.12	
570	9.5	0.395833	50.42	60.14	75.54	89.61	106.25	133	
585	9.75	0.40625	50.88	60.66	76.14	90.29	107	133.87	
600	10	0.416667	51.33	61.17	76.74	90.96	107.74	134.71	
615	10.25	0.427083	51.78	61.67	77.32	91.61	108.47	135.55	
630	10.5	0.4375	52.22	62.16	77.9	92.25	109.18	136.37	
645	10.75	0.447917	52.65	62.65	78.46	92.88	109.89	137.17	
660	11	0.458333	53.07	63.13	79.02	93.51	110.58	137.96	
675	11.25	0.46875	53.49	63.6	79.57	94.12	111.26	138.73	
690	11.5	0.479167	53.9	64.06	80.11	94.72	111.93	139.5	
705	11.75	0.489583	54.3	64.52	80.64	95.31	112.58	140.25	
720	12	0.5	54.7	64.97	81.16	95.9	113.23	140.99	
735	12.25	0.510417	55.08	65.39	81.65	96.43	113.82	141.66	
750	12.5	0.520833	55.44	65.8	82.12	96.96	114.41	142.32	
765	12.75	0.53125	55.81	66.2	82.59	97.48	114.98	142.97	
780	13	0.541667	56.16	66.6	83.05	97.99	115.54	143.6	
795	13.25	0.552083	56.52	67	83.51	98.5	116.1	144.23	
810	13.5	0.5625	56.86	67.39	83.96	98.99	116.65	144.85	
825	13.75	0.572917	57.21	67.78	84.4	99.49	117.19	145.47	
840	14	0.583333	57.55	68.16	84.84	99.97	117.73	146.07	
855	14.25	0.59375	57.88	68.53	85.27	100.45	118.26	146.66	
870	14.5	0.604167	58.22	68.9	85.7	100.92	118.78	147.25	
885	14.75	0.614583	58.54	69.27	86.12	101.39	119.29	147.83	

Revitalised FSR/FEH rainfall runoff method

Spreadsheet application report

User name mikel
Company name mla
Project name mearley brook

Catchment name
Catchment easting 375200
Catchment northing 442200
Catchment area 8.27

Date/time modelled 18-Mar-2018 11:35
Version 1.4

Summary of model setup

Design rainfall parameters		Loss model parameters		Routing model parameters		Baseflow model parameters	
Return period (yr)	2.3	C_{max} (mm)	252	T_p (hr)	1.39	BL (hr)	26.2
Duration (hr)	3.3	C_{inl} (mm)	137	U_p	0.65	BR	1.02
Timestep (hr)	0.1	α factor	1	U_k	0.8	BF_0 (m ³ /s)	0.7
Season	Winter						

Summary of results

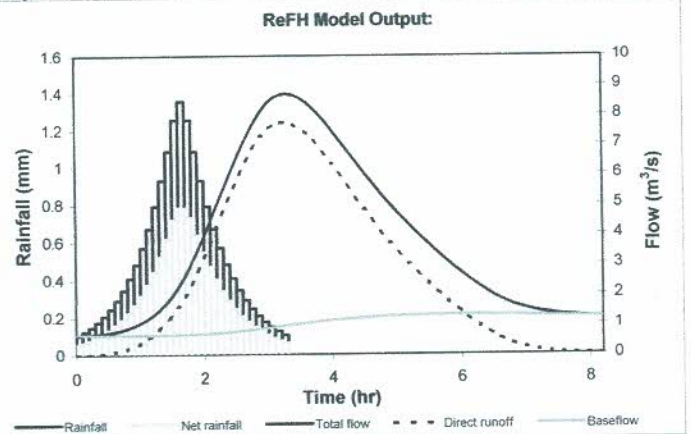
FEH DDF rainfall (mm)	22.7	Peak rainfall (mm)	1.4
Design rainfall (mm)	17	Peak flow (m ³ /s)	8.7

1.4 mm/hr

Results

Series	Design Rainfall	Net rainfall	Direct runoff	Baseflow	Total flow
Unit	mm	mm	m ³ /s	m ³ /s	m ³ /s
0.0	0.1	0.1	0.0	0.7	0.7
0.1	0.1	0.1	0.0	0.7	0.7
0.2	0.1	0.1	0.0	0.7	0.7
0.3	0.2	0.1	0.0	0.7	0.7
0.4	0.2	0.1	0.0	0.7	0.7
0.5	0.2	0.1	0.1	0.7	0.7
0.6	0.3	0.2	0.1	0.7	0.8
0.7	0.3	0.2	0.2	0.7	0.8
0.8	0.4	0.2	0.2	0.7	0.9
0.9	0.5	0.3	0.3	0.7	1.0
1.0	0.6	0.3	0.4	0.7	1.1
1.1	0.7	0.4	0.5	0.7	1.2
1.2	0.8	0.4	0.7	0.7	1.3
1.3	0.9	0.5	0.8	0.7	1.5
1.4	1.1	0.6	1.1	0.7	1.7
1.5	1.3	0.7	1.3	0.7	2.0
1.6	1.4	0.8	1.6	0.7	2.3
1.7	1.3	0.7	2.0	0.7	2.6
1.8	1.1	0.6	2.4	0.7	3.0
1.9	0.9	0.6	2.8	0.7	3.5
2.0	0.8	0.5	3.3	0.7	4.0
2.1	0.7	0.4	3.8	0.7	4.5
2.2	0.6	0.3	4.3	0.7	5.0
2.3	0.5	0.3	4.8	0.7	5.5
2.4	0.4	0.2	5.3	0.7	6.0
2.5	0.3	0.2	5.7	0.8	6.5
2.6	0.3	0.2	6.2	0.8	7.0
2.7	0.2	0.1	6.6	0.8	7.4
2.8	0.2	0.1	7.0	0.8	7.8
2.9	0.2	0.1	7.3	0.9	8.1
3.0	0.1	0.1	7.5	0.9	8.4
3.1	0.1	0.1	7.7	0.9	8.6
3.2	0.1	0.1	7.8	0.9	8.7
3.3	0.0	0.0	7.8	1.0	8.7
3.4	0.0	0.0	7.7	1.0	8.7
3.5	0.0	0.0	7.6	1.0	8.6
3.6	0.0	0.0	7.4	1.0	8.4
3.7	0.0	0.0	7.2	1.1	8.2
3.8	0.0	0.0	6.9	1.1	8.0
3.9	0.0	0.0	6.6	1.1	7.7
4.0	0.0	0.0	6.4	1.1	7.5
4.1	0.0	0.0	6.0	1.1	7.2
4.2	0.0	0.0	5.7	1.2	6.9
4.3	0.0	0.0	5.4	1.2	6.6
4.4	0.0	0.0	5.1	1.2	6.3
4.5	0.0	0.0	4.8	1.2	6.0
4.6	0.0	0.0	4.5	1.2	5.8
4.7	0.0	0.0	4.2	1.2	5.5
4.8	0.0	0.0	4.0	1.2	5.2
4.9	0.0	0.0	3.7	1.3	5.0
5.0	0.0	0.0	3.5	1.3	4.7
5.1	0.0	0.0	3.2	1.3	4.5
5.2	0.0	0.0	3.0	1.3	4.3
5.3	0.0	0.0	2.8	1.3	4.1
5.4	0.0	0.0	2.6	1.3	3.9
5.5	0.0	0.0	2.4	1.3	3.7
5.6	0.0	0.0	2.2	1.3	3.5
5.7	0.0	0.0	2.0	1.3	3.3
5.8	0.0	0.0	1.8	1.3	3.1
5.9	0.0	0.0	1.6	1.3	2.9
6.0	0.0	0.0	1.4	1.3	2.7
6.1	0.0	0.0	1.2	1.3	2.6
6.2	0.0	0.0	1.1	1.3	2.4
6.3	0.0	0.0	0.9	1.3	2.2
6.4	0.0	0.0	0.8	1.3	2.1
6.5	0.0	0.0	0.7	1.3	2.0
6.6	0.0	0.0	0.6	1.3	1.9
6.7	0.0	0.0	0.5	1.3	1.8
6.8	0.0	0.0	0.4	1.3	1.7
6.9	0.0	0.0	0.3	1.3	1.6
7.0	0.0	0.0	0.2	1.3	1.5
7.1	0.0	0.0	0.2	1.3	1.5
7.2	0.0	0.0	0.1	1.3	1.4
7.3	0.0	0.0	0.1	1.3	1.4
7.4	0.0	0.0	0.1	1.3	1.4
7.5	0.0	0.0	0.1	1.3	1.3

Graph



Revitalised FSR/FEH rainfall runoff method

Spreadsheet application report

User name mikel
Company name mla
Project name nearley brook

Catchment name
Catchment easting 375200
Catchment northing 442200
Catchment area 8.27

Date/time modelled 18-Mar-2018 11:36
Version 1.4

Summary of model setup

Design rainfall parameters

Return period (yr) 30
Duration (hr) 3.3
Timestep (hr) 0.1
Season Winter

Loss model parameters

C_{max} (mm) 252
 C_{ini} (mm) 137
 α factor 0.91

Routing model parameters

T_p (hr) 1.39
 U_p 0.65
 U_k 0.8

Baseflow model parameters

BL (hr) 26.2
BR 1.02
 BF_0 (m³/s) 0.7

Summary of results

FEH DDF rainfall (mm) 48.9
Design rainfall (mm) 36.6

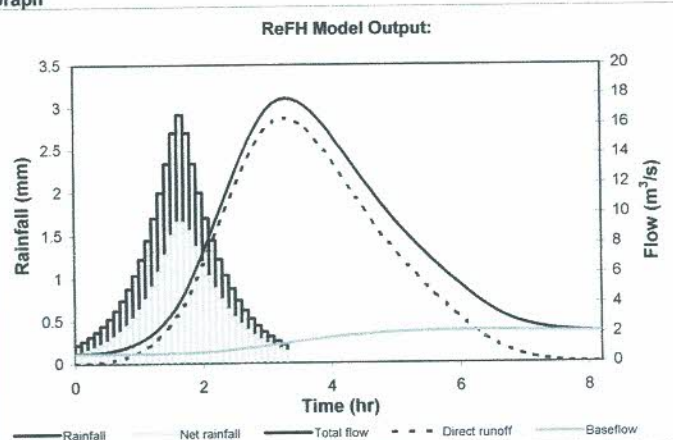
Peak rainfall (mm)
Peak flow (m³/s)

2.9 29 mm/hr
17.7

Results

Series	Design Rainfall	Net rainfall	Direct runoff	Baseflow	Total flow
Unit	mm	mm	m ³ /s	m ³ /s	m ³ /s
0.0	0.2	0.1	0.0	0.7	0.7
0.1	0.3	0.1	0.0	0.7	0.7
0.2	0.3	0.2	0.0	0.7	0.7
0.3	0.4	0.2	0.0	0.7	0.7
0.4	0.4	0.2	0.1	0.7	0.8
0.5	0.5	0.3	0.1	0.7	0.8
0.6	0.6	0.3	0.2	0.7	0.9
0.7	0.7	0.4	0.3	0.7	1.0
0.8	0.9	0.4	0.4	0.7	1.1
0.9	1.0	0.5	0.6	0.7	1.2
1.0	1.2	0.6	0.8	0.7	1.4
1.1	1.4	0.8	1.0	0.7	1.7
1.2	1.7	0.9	1.3	0.7	2.0
1.3	2.0	1.1	1.7	0.7	2.3
1.4	2.3	1.3	2.1	0.7	2.8
1.5	2.7	1.5	2.6	0.7	3.3
1.6	2.9	1.7	3.2	0.7	3.9
1.7	2.7	1.6	3.9	0.7	4.6
1.8	2.3	1.4	4.7	0.7	5.5
1.9	2.0	1.2	5.7	0.7	6.4
2.0	1.7	1.0	6.6	0.8	7.4
2.1	1.4	0.9	7.7	0.8	8.4
2.2	1.2	0.8	8.7	0.8	9.5
2.3	1.0	0.6	9.8	0.8	10.6
2.4	0.9	0.5	10.8	0.9	11.7
2.5	0.7	0.5	11.9	0.9	12.8
2.6	0.6	0.4	12.8	1.0	13.8
2.7	0.5	0.3	13.8	1.0	14.8
2.8	0.4	0.3	14.6	1.1	15.6
2.9	0.4	0.2	15.3	1.1	16.4
3.0	0.3	0.2	15.8	1.2	17.0
3.1	0.3	0.2	16.2	1.2	17.4
3.2	0.2	0.1	16.4	1.3	17.7
3.3	0.0	0.0	16.4	1.3	17.7
3.4	0.0	0.0	16.3	1.4	17.7
3.5	0.0	0.0	16.0	1.5	17.5
3.6	0.0	0.0	15.7	1.5	17.2
3.7	0.0	0.0	15.3	1.6	16.8
3.8	0.0	0.0	14.7	1.6	16.4
3.9	0.0	0.0	14.2	1.7	15.9
4.0	0.0	0.0	13.6	1.7	15.3
4.1	0.0	0.0	12.9	1.8	14.7
4.2	0.0	0.0	12.3	1.8	14.1
4.3	0.0	0.0	11.6	1.8	13.5
4.4	0.0	0.0	11.0	1.9	12.9
4.5	0.0	0.0	10.3	1.9	12.3
4.6	0.0	0.0	9.7	1.9	11.7
4.7	0.0	0.0	9.1	2.0	11.1
4.8	0.0	0.0	8.5	2.0	10.5
4.9	0.0	0.0	8.0	2.0	10.0
5.0	0.0	0.0	7.4	2.0	9.5
5.1	0.0	0.0	6.9	2.1	9.0
5.2	0.0	0.0	6.4	2.1	8.5
5.3	0.0	0.0	6.0	2.1	8.1
5.4	0.0	0.0	5.5	2.1	7.6
5.5	0.0	0.0	5.1	2.1	7.2
5.6	0.0	0.0	4.7	2.1	6.8
5.7	0.0	0.0	4.2	2.2	6.4
5.8	0.0	0.0	3.8	2.2	6.0
5.9	0.0	0.0	3.4	2.2	5.6
6.0	0.0	0.0	3.1	2.2	5.2
6.1	0.0	0.0	2.7	2.2	4.9
6.2	0.0	0.0	2.4	2.2	4.5
6.3	0.0	0.0	2.1	2.2	4.2
6.4	0.0	0.0	1.7	2.2	3.9
6.5	0.0	0.0	1.5	2.2	3.6
6.6	0.0	0.0	1.2	2.2	3.4
6.7	0.0	0.0	1.0	2.2	3.2
6.8	0.0	0.0	0.8	2.2	3.0
6.9	0.0	0.0	0.7	2.2	2.8
7.0	0.0	0.0	0.5	2.1	2.7
7.1	0.0	0.0	0.4	2.1	2.6
7.2	0.0	0.0	0.3	2.1	2.5
7.3	0.0	0.0	0.2	2.1	2.4
7.4	0.0	0.0	0.2	2.1	2.3
7.5	0.0	0.0	0.1	2.1	2.2

Graph



Revitalised FSR/FEH rainfall runoff method

Spreadsheet application report

User name: mikel
Company name: mla
Project name: mearley brook

Catchment name
Catchment easting: 375200
Catchment northing: 442200
Catchment area: 8.27

Date/time modelled: 18-Mar-2018 11:36
Version: 1.4

Summary of model setup

Design rainfall parameters		Loss model parameters		Routing model parameters		Baseflow model parameters	
Return period (yr)	100	C _{max} (mm)	252	T _p (hr)	1.39	BL (hr)	26.2
Duration (hr)	3.3	C _{ini} (mm)	137	U _p	0.65	BR	1.02
Timestep (hr)	0.1	α factor	0.83	U _k	0.8	BF ₀ (m ³ /s)	0.7
Season	Winter						

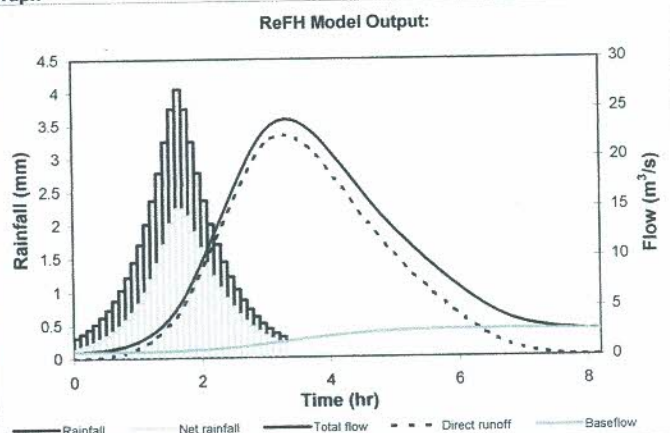
Summary of results

FEH DDF rainfall (mm)	68	Peak rainfall (mm)	4.1
Design rainfall (mm)	50.9	Peak flow (m ³ /s)	23.9

Results

Series	Design Rainfall	Net rainfall	Direct runoff	Baseflow	Total flow
Unit	mm	mm	m ³ /s	m ³ /s	m ³ /s
0.0	0.3	0.1	0.0	0.7	0.7
0.1	0.4	0.2	0.0	0.7	0.7
0.2	0.4	0.2	0.0	0.7	0.7
0.3	0.5	0.2	0.1	0.7	0.7
0.4	0.6	0.3	0.1	0.7	0.8
0.5	0.7	0.3	0.2	0.7	0.8
0.6	0.9	0.4	0.3	0.7	0.9
0.7	1.0	0.5	0.4	0.7	1.1
0.8	1.2	0.6	0.5	0.7	1.2
0.9	1.4	0.7	0.7	0.7	1.4
1.0	1.7	0.8	1.0	0.7	1.7
1.1	2.0	1.0	1.3	0.7	2.0
1.2	2.4	1.2	1.7	0.7	2.3
1.3	2.8	1.4	2.1	0.7	2.8
1.4	3.2	1.7	2.7	0.7	3.4
1.5	3.8	2.0	3.4	0.7	4.1
1.6	4.1	2.2	4.2	0.7	4.9
1.7	3.8	2.1	5.1	0.7	5.8
1.8	3.2	1.9	6.2	0.7	6.9
1.9	2.8	1.7	7.4	0.8	8.2
2.0	2.4	1.4	8.7	0.8	9.5
2.1	2.0	1.2	10.1	0.8	10.9
2.2	1.7	1.1	11.5	0.9	12.4
2.3	1.4	0.9	13.0	0.9	13.9
2.4	1.2	0.8	14.4	1.0	15.4
2.5	1.0	0.7	15.8	1.0	16.9
2.6	0.9	0.6	17.2	1.1	18.3
2.7	0.7	0.5	18.5	1.1	19.6
2.8	0.6	0.4	19.6	1.2	20.8
2.9	0.5	0.3	20.6	1.3	21.9
3.0	0.4	0.3	21.4	1.4	22.7
3.1	0.4	0.2	21.9	1.4	23.3
3.2	0.3	0.2	22.2	1.5	23.7
3.3	0.0	0.0	22.3	1.6	23.9
3.4	0.0	0.0	22.2	1.7	23.8
3.5	0.0	0.0	21.9	1.8	23.6
3.6	0.0	0.0	21.4	1.8	23.3
3.7	0.0	0.0	20.9	1.9	22.8
3.8	0.0	0.0	20.2	2.0	22.2
3.9	0.0	0.0	19.4	2.0	21.5
4.0	0.0	0.0	18.6	2.1	20.7
4.1	0.0	0.0	17.8	2.2	19.9
4.2	0.0	0.0	16.9	2.2	19.1
4.3	0.0	0.0	16.0	2.3	18.3
4.4	0.0	0.0	15.1	2.3	17.4
4.5	0.0	0.0	14.2	2.4	16.6
4.6	0.0	0.0	13.4	2.4	15.8
4.7	0.0	0.0	12.5	2.5	15.0
4.8	0.0	0.0	11.7	2.5	14.2
4.9	0.0	0.0	11.0	2.5	13.5
5.0	0.0	0.0	10.2	2.6	12.8
5.1	0.0	0.0	9.6	2.6	12.2
5.2	0.0	0.0	8.9	2.6	11.5
5.3	0.0	0.0	8.2	2.7	10.9
5.4	0.0	0.0	7.6	2.7	10.3
5.5	0.0	0.0	7.0	2.7	9.7
5.6	0.0	0.0	6.4	2.7	9.1
5.7	0.0	0.0	5.9	2.7	8.6
5.8	0.0	0.0	5.3	2.7	8.0
5.9	0.0	0.0	4.8	2.7	7.5
6.0	0.0	0.0	4.3	2.7	7.0
6.1	0.0	0.0	3.8	2.8	6.5
6.2	0.0	0.0	3.3	2.8	6.1
6.3	0.0	0.0	2.9	2.8	5.6
6.4	0.0	0.0	2.4	2.8	5.2
6.5	0.0	0.0	2.1	2.8	4.8
6.6	0.0	0.0	1.7	2.8	4.5
6.7	0.0	0.0	1.4	2.8	4.2
6.8	0.0	0.0	1.1	2.7	3.9
6.9	0.0	0.0	0.9	2.7	3.7
7.0	0.0	0.0	0.7	2.7	3.5
7.1	0.0	0.0	0.6	2.7	3.3
7.2	0.0	0.0	0.5	2.7	3.2
7.3	0.0	0.0	0.3	2.7	3.1
7.4	0.0	0.0	0.3	2.7	3.0
7.5	0.0	0.0	0.2	2.7	2.9

Graph



Calculated by: michael lambert

Site name: upbrooks cle

Site location: clitheroe

Site coordinates

Latitude: 53.87501° N

Longitude: 2.37916° W

This is an estimation of the storage volume requirements 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 SuDS Manual, C753 (Ciria, 2015). It is not to be used for detailed design of drainage systems. It is recommended that hydraulic modelling software is used to calculate volume requirements and design details before finalising the drainage scheme.

Reference: 6325598

Date: 2018-03-16T16:48:49

Methodology

FEH Statistical

Site characteristics

Total site area (ha)	0.12
Significant public open space (ha)	0
Area positively drained (ha)	0.12
Pervious area contribution (%)	30
Impermeable area (ha)	0.1
Percentage of drained area that is impermeable (%)	83
Impervious area drained via infiltration (ha)	0
Return period for infiltration system design (year)	10
Impervious area drained to rainwater harvesting systems (ha)	0
Return period for rainwater harvesting system design (year)	10
Compliance factor for rainwater harvesting system design (%)	66
Net site area for storage volume design (ha)	0.12
Net impermeable area for storage volume design (ha)	0.1

* Where rainwater harvesting or infiltration has been used for managing surface water runoff such that the effective impermeable area is less than 50 % of the 'area positively drained', the 'net site area' and the estimates of Qbar and other flow rates will have been reduced accordingly.

Design criteria

Volume control approach	Use long term storage	
	Default	Edited
Climate change allowance factor	1.3	1.3
Urban creep allowance factor	1.1	1.1
Interception rainfall depth (mm)	5	5
Minimum flow rate (l/s)	5	5
Qmed estimation method	Calculate from BFI and SAAR	
BFI & SPR estimation method	Specify BFI and SPR manually	
	Default	Edited
Qmed (l/s)	1.66	--
Qbar / Qmed Conversion Factor	1.075	1.075
HOST class	---	N/A
BFI / BFIHOST	0.354	0.354
SPR / SPRHOST	0.41	0.41
Hydrology	Default	Edited
SAAR (mm)	1241	1241
M5-60 Rainfall Depth (mm)	20	20
'r' Ratio M5-60/M5-2 day	0.3	0.3
Rainfall 100 yrs 6 hrs	70	
Rainfall 100 yrs 12 hrs	96.6	
FEH/FSR conversion factor	1.15	1.15
Hydrological region	10	
Growth curve factor: 1 year	0.87	0.87
Growth curve factor: 10 year	1.38	1.38
Growth curve factor: 30 year	1.7	1.7
Growth curve factor: 100 year	2.08	2.08

Site discharge rates

	Default	Edited
Qbar total site area (l/s)	--	1.79
Qbar net site area (l/s)	--	1.79
1 in 1 year (l/s)	--	5
1 in 30 years (l/s)	--	5
1 in 100 years (l/s)	--	5

Estimated storage volumes

	Default	Edited
Interception storage (m³)	--	4
Attenuation storage (m³)	--	25
Long term storage (m³)	--	0
Treatment storage (m³)	--	12
Total storage (excluding treatment) (m³)	--	29



Lancashire and Blackpool Local Flood Risk Management Strategy

October 2013
Draft for Consultation



**Blackpool
Council**

BUILDING A BETTER COMMUNITY FOR ALL

Lancashire
County
Council



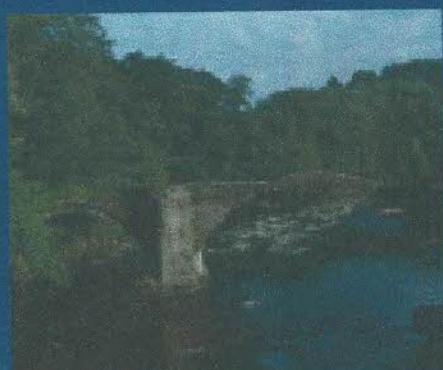
Ribble Valley Borough
Council



Strategic Flood Risk Assessment -Level One-

ADOPTION REPORT

MAY 2010



RibbleValley
Local Development Framework

NON-STATUTORY TECHNICAL STANDARDS FOR SUSTAINABLE DRAINAGE

Practice Guidance



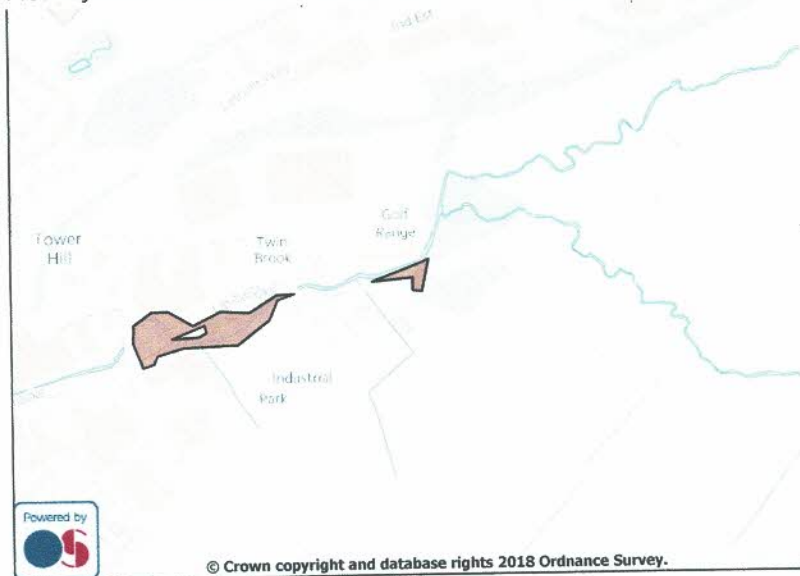
Sign up for flood warnings

BETA This is a new service - your [feedback \(http://www.smartsurvey.co.uk/s/FloodWarningService\)](http://www.smartsurvey.co.uk/s/FloodWarningService) will help us to improve it

◀ [Back \(https://www.gov.uk/app/olr/locationList\)](https://www.gov.uk/app/olr/locationList)

Flood warning or alert area map

Mearley Brook at Clitheroe, bordering Up-Brooks, Taylor St and Peel St



[Sign up for this area \(https://www.gov.uk/app/olr/locationdetails?method=selectedLocation&taId=c243aca90ab7aa4471f70d0e59e86884\)](https://www.gov.uk/app/olr/locationdetails?method=selectedLocation&taId=c243aca90ab7aa4471f70d0e59e86884)