

UK Design Flood Estimation

Generated on 05 May 2021 08:37:17 by User

Printed from the ReFH2 Flood Modelling software package, version 3.1.7439.12207

Summary of estimate using the Flood Estimation Handbook revitalised flood hydrograph method (ReFH2)

Site details

Checksum: D841-68A2

Site name: FEH_Point_Descriptors_588788_217031

Easting: 588788

Northing: 217031

Country: England, Wales or Northern Ireland

Catchment Area (km²): 0.05

Using plot scale calculations: Yes

Model: ReFH2.3

Site description: None

Model run: 2 year

Summary of results

Rainfall - FEH 2013 model (mm):	24.36	Total runoff (ML):	0.32
Total Rainfall (mm):	15.78	Total flow (ML):	0.81
Peak Rainfall (mm):	0.92	Peak flow (m ³ /s):	0.02

Parameters

Where the user has overridden a system-generated value, this original value is shown in square brackets after the value used.

* Indicates that the user locked the duration/timestep

Rainfall parameters (Rainfall - FEH 2013 model)

Name	Value	User-defined?
Duration (hh:mm:ss)	06:00:00 [05:30:00]	Yes
Timestep (hh:mm:ss)	00:08:00 [00:30:00]	Yes
SCF (Seasonal correction factor)	0.65	No
ARF (Areal reduction factor)	0.99	No
Seasonality	Winter	No

Loss model parameters

Name	Value	User-defined?
Cini (mm)	119.46	No
Cmax (mm)	357.53	No
Use alpha correction factor	No	No
Alpha correction factor	n/a	No

Routing model parameters

Name	Value	User-defined?
Tp (hr)	3.25 [1.71]	Yes
Up	0.65	No
Uk	0.8	No

Baseflow model parameters

Name	Value	User-defined?
BFO (m ³ /s)	0	No
BL (hr)	38.89 [34.57]	Yes
BR	1.81	No

Urbanisation parameters

Name	Value	User-defined?
Urban area (km ²)	0 [0]	Yes
Urbext 2000	0.04 [0]	Yes
Impervious runoff factor	1 [0.7]	Yes
Imperviousness factor	1 [0.4]	Yes
Tp scaling factor	0.75	No
Depression storage depth (mm)	0.5	No
Exporting drained area (km ²)	0.00	Yes
Sewer capacity (m ³ /s)	0.00	Yes

Time series data

Time (hh:mm:ss)	Rain (mm)	Sewer Loss (mm)	Net Rain (mm)	Runoff (m ³ /s)	Baseflow (m ³ /s)	Total Flow (m ³ /s)
00:00:00	0.0689	0.0000	0.0259	0.0000	0.00147	0.00147
00:08:00	0.0782	0.0000	0.0294	0.0000	0.00147	0.00147
00:16:00	0.0888	0.0000	0.0334	0.0000	0.00146	0.00147
00:24:00	0.1007	0.0000	0.0379	0.0000	0.00146	0.00147
00:32:00	0.1143	0.0000	0.0430	0.0000	0.00145	0.00148
00:40:00	0.1296	0.0000	0.0488	0.0000	0.00145	0.0015
00:48:00	0.1470	0.0000	0.0554	0.0001	0.00144	0.00152
00:56:00	0.1666	0.0000	0.0629	0.0001	0.00144	0.00154
01:04:00	0.1888	0.0000	0.0713	0.0001	0.00143	0.00158
01:12:00	0.2139	0.0000	0.0809	0.0002	0.00143	0.00162
01:20:00	0.2422	0.0000	0.0918	0.0003	0.00142	0.00168
01:28:00	0.2741	0.0000	0.1041	0.0003	0.00142	0.00175
01:36:00	0.3100	0.0000	0.1179	0.0004	0.00142	0.00183
01:44:00	0.3505	0.0000	0.1336	0.0005	0.00142	0.00192
01:52:00	0.3960	0.0000	0.1514	0.0006	0.00141	0.00203
02:00:00	0.4470	0.0000	0.1714	0.0008	0.00141	0.00216
02:08:00	0.5041	0.0000	0.1939	0.0009	0.00141	0.00232
02:16:00	0.5678	0.0000	0.2192	0.0011	0.00141	0.00249
02:24:00	0.6383	0.0000	0.2474	0.0013	0.00141	0.0027
02:32:00	0.7159	0.0000	0.2787	0.0015	0.00141	0.00294
02:40:00	0.7994	0.0000	0.3129	0.0018	0.00142	0.00321
02:48:00	0.8839	0.0000	0.3479	0.0021	0.00142	0.00352
02:56:00	0.9240	0.0000	0.3658	0.0024	0.00142	0.00387
03:04:00	0.8839	0.0000	0.3520	0.0028	0.00143	0.00427
03:12:00	0.7994	0.0000	0.3202	0.0033	0.00144	0.00471
03:20:00	0.7159	0.0000	0.2881	0.0037	0.00145	0.0052
03:28:00	0.6383	0.0000	0.2581	0.0043	0.00147	0.00572
03:36:00	0.5678	0.0000	0.2304	0.0048	0.00148	0.00627
03:44:00	0.5041	0.0000	0.2053	0.0053	0.0015	0.00685
03:52:00	0.4470	0.0000	0.1826	0.0059	0.00152	0.00745
04:00:00	0.3960	0.0000	0.1622	0.0065	0.00155	0.00806
04:08:00	0.3505	0.0000	0.1439	0.0071	0.00157	0.00869
04:16:00	0.3100	0.0000	0.1276	0.0077	0.0016	0.00932
04:24:00	0.2741	0.0000	0.1130	0.0083	0.00164	0.00996
04:32:00	0.2422	0.0000	0.1000	0.0089	0.00167	0.0106

Time (hh:mm:ss)	Rain (mm)	Sewer Loss (mm)	Net Rain (mm)	Runoff (m ³ /s)	Baseflow (m ³ /s)	Total Flow (m ³ /s)
04:40:00	0.2139	0.0000	0.0884	0.0095	0.00171	0.0112
04:48:00	0.1888	0.0000	0.0782	0.0101	0.00175	0.0118
04:56:00	0.1666	0.0000	0.0691	0.0107	0.0018	0.0125
05:04:00	0.1470	0.0000	0.0610	0.0112	0.00184	0.013
05:12:00	0.1296	0.0000	0.0535	0.0117	0.00189	0.0136
05:20:00	0.1143	0.0000	0.0472	0.0122	0.00194	0.0141
05:28:00	0.1007	0.0000	0.0417	0.0126	0.002	0.0146
05:36:00	0.0888	0.0000	0.0367	0.0130	0.00205	0.0151
05:44:00	0.0782	0.0000	0.0324	0.0134	0.00211	0.0155
05:52:00	0.0689	0.0000	0.0285	0.0137	0.00217	0.0159
06:00:00	0.0000	0.0000	0.0000	0.0139	0.00224	0.0162
06:08:00	0.0000	0.0000	0.0000	0.0141	0.0023	0.0164
06:16:00	0.0000	0.0000	0.0000	0.0143	0.00236	0.0166
06:24:00	0.0000	0.0000	0.0000	0.0143	0.00243	0.0167
06:32:00	0.0000	0.0000	0.0000	0.0143	0.00249	0.0168
06:40:00	0.0000	0.0000	0.0000	0.0143	0.00256	0.0168
06:48:00	0.0000	0.0000	0.0000	0.0142	0.00262	0.0168
06:56:00	0.0000	0.0000	0.0000	0.0140	0.00269	0.0167
07:04:00	0.0000	0.0000	0.0000	0.0138	0.00275	0.0166
07:12:00	0.0000	0.0000	0.0000	0.0136	0.00281	0.0164
07:20:00	0.0000	0.0000	0.0000	0.0134	0.00287	0.0162
07:28:00	0.0000	0.0000	0.0000	0.0131	0.00293	0.016
07:36:00	0.0000	0.0000	0.0000	0.0128	0.00299	0.0158
07:44:00	0.0000	0.0000	0.0000	0.0125	0.00305	0.0155
07:52:00	0.0000	0.0000	0.0000	0.0122	0.0031	0.0153
08:00:00	0.0000	0.0000	0.0000	0.0118	0.00315	0.015
08:08:00	0.0000	0.0000	0.0000	0.0115	0.0032	0.0147
08:16:00	0.0000	0.0000	0.0000	0.0111	0.00325	0.0144
08:24:00	0.0000	0.0000	0.0000	0.0108	0.0033	0.0141
08:32:00	0.0000	0.0000	0.0000	0.0104	0.00335	0.0137
08:40:00	0.0000	0.0000	0.0000	0.0100	0.00339	0.0134
08:48:00	0.0000	0.0000	0.0000	0.0097	0.00343	0.0131
08:56:00	0.0000	0.0000	0.0000	0.0093	0.00347	0.0128
09:04:00	0.0000	0.0000	0.0000	0.0090	0.00351	0.0125
09:12:00	0.0000	0.0000	0.0000	0.0086	0.00354	0.0122
09:20:00	0.0000	0.0000	0.0000	0.0083	0.00358	0.0119

Time (hh:mm:ss)	Rain (mm)	Sewer Loss (mm)	Net Rain (mm)	Runoff (m ³ /s)	Baseflow (m ³ /s)	Total Flow (m ³ /s)
09:28:00	0.0000	0.0000	0.0000	0.0080	0.00361	0.0116
09:36:00	0.0000	0.0000	0.0000	0.0076	0.00364	0.0113
09:44:00	0.0000	0.0000	0.0000	0.0073	0.00367	0.011
09:52:00	0.0000	0.0000	0.0000	0.0070	0.0037	0.0107
10:00:00	0.0000	0.0000	0.0000	0.0068	0.00372	0.0105
10:08:00	0.0000	0.0000	0.0000	0.0065	0.00374	0.0102
10:16:00	0.0000	0.0000	0.0000	0.0062	0.00377	0.01
10:24:00	0.0000	0.0000	0.0000	0.0060	0.00379	0.00977
10:32:00	0.0000	0.0000	0.0000	0.0057	0.00381	0.00954
10:40:00	0.0000	0.0000	0.0000	0.0055	0.00383	0.00932
10:48:00	0.0000	0.0000	0.0000	0.0053	0.00384	0.00911
10:56:00	0.0000	0.0000	0.0000	0.0050	0.00386	0.0089
11:04:00	0.0000	0.0000	0.0000	0.0048	0.00387	0.00869
11:12:00	0.0000	0.0000	0.0000	0.0046	0.00389	0.00849
11:20:00	0.0000	0.0000	0.0000	0.0044	0.0039	0.00829
11:28:00	0.0000	0.0000	0.0000	0.0042	0.00391	0.0081
11:36:00	0.0000	0.0000	0.0000	0.0040	0.00392	0.0079
11:44:00	0.0000	0.0000	0.0000	0.0038	0.00393	0.00772
11:52:00	0.0000	0.0000	0.0000	0.0036	0.00394	0.00754
12:00:00	0.0000	0.0000	0.0000	0.0034	0.00395	0.00736
12:08:00	0.0000	0.0000	0.0000	0.0032	0.00395	0.00718
12:16:00	0.0000	0.0000	0.0000	0.0031	0.00396	0.00701
12:24:00	0.0000	0.0000	0.0000	0.0029	0.00396	0.00684
12:32:00	0.0000	0.0000	0.0000	0.0027	0.00397	0.00668
12:40:00	0.0000	0.0000	0.0000	0.0025	0.00397	0.00652
12:48:00	0.0000	0.0000	0.0000	0.0024	0.00397	0.00636
12:56:00	0.0000	0.0000	0.0000	0.0022	0.00397	0.0062
13:04:00	0.0000	0.0000	0.0000	0.0021	0.00397	0.00605
13:12:00	0.0000	0.0000	0.0000	0.0019	0.00397	0.00589
13:20:00	0.0000	0.0000	0.0000	0.0018	0.00397	0.00574
13:28:00	0.0000	0.0000	0.0000	0.0016	0.00396	0.00559
13:36:00	0.0000	0.0000	0.0000	0.0015	0.00396	0.00545
13:44:00	0.0000	0.0000	0.0000	0.0014	0.00395	0.00531
13:52:00	0.0000	0.0000	0.0000	0.0012	0.00395	0.00517
14:00:00	0.0000	0.0000	0.0000	0.0011	0.00394	0.00504
14:08:00	0.0000	0.0000	0.0000	0.0010	0.00393	0.00491

Time (hh:mm:ss)	Rain (mm)	Sewer Loss (mm)	Net Rain (mm)	Runoff (m ³ /s)	Baseflow (m ³ /s)	Total Flow (m ³ /s)
14:16:00	0.0000	0.0000	0.0000	0.0009	0.00393	0.00479
14:24:00	0.0000	0.0000	0.0000	0.0008	0.00392	0.00468
14:32:00	0.0000	0.0000	0.0000	0.0007	0.00391	0.00457
14:40:00	0.0000	0.0000	0.0000	0.0006	0.0039	0.00447
14:48:00	0.0000	0.0000	0.0000	0.0005	0.00389	0.00438
14:56:00	0.0000	0.0000	0.0000	0.0004	0.00388	0.0043
15:04:00	0.0000	0.0000	0.0000	0.0004	0.00387	0.00423
15:12:00	0.0000	0.0000	0.0000	0.0003	0.00386	0.00417
15:20:00	0.0000	0.0000	0.0000	0.0003	0.00385	0.00411
15:28:00	0.0000	0.0000	0.0000	0.0002	0.00383	0.00405
15:36:00	0.0000	0.0000	0.0000	0.0002	0.00382	0.00401
15:44:00	0.0000	0.0000	0.0000	0.0002	0.00381	0.00396
15:52:00	0.0000	0.0000	0.0000	0.0001	0.0038	0.00392
16:00:00	0.0000	0.0000	0.0000	0.0001	0.00379	0.00389
16:08:00	0.0000	0.0000	0.0000	0.0001	0.00377	0.00386
16:16:00	0.0000	0.0000	0.0000	0.0001	0.00376	0.00383
16:24:00	0.0000	0.0000	0.0000	0.0001	0.00375	0.0038
16:32:00	0.0000	0.0000	0.0000	0.0000	0.00374	0.00377
16:40:00	0.0000	0.0000	0.0000	0.0000	0.00372	0.00375
16:48:00	0.0000	0.0000	0.0000	0.0000	0.00371	0.00373
16:56:00	0.0000	0.0000	0.0000	0.0000	0.0037	0.00371
17:04:00	0.0000	0.0000	0.0000	0.0000	0.00369	0.00369
17:12:00	0.0000	0.0000	0.0000	0.0000	0.00367	0.00368
17:20:00	0.0000	0.0000	0.0000	0.0000	0.00366	0.00366
17:28:00	0.0000	0.0000	0.0000	0.0000	0.00365	0.00365
17:36:00	0.0000	0.0000	0.0000	0.0000	0.00363	0.00364
17:44:00	0.0000	0.0000	0.0000	0.0000	0.00362	0.00362
17:52:00	0.0000	0.0000	0.0000	0.0000	0.00361	0.00361
18:00:00	0.0000	0.0000	0.0000	0.0000	0.0036	0.0036
18:08:00	0.0000	0.0000	0.0000	0.0000	0.00359	0.00359
18:16:00	0.0000	0.0000	0.0000	0.0000	0.00357	0.00357
18:24:00	0.0000	0.0000	0.0000	0.0000	0.00356	0.00356
18:32:00	0.0000	0.0000	0.0000	0.0000	0.00355	0.00355
18:40:00	0.0000	0.0000	0.0000	0.0000	0.00354	0.00354
18:48:00	0.0000	0.0000	0.0000	0.0000	0.00352	0.00352
18:56:00	0.0000	0.0000	0.0000	0.0000	0.00351	0.00351

Time (hh:mm:ss)	Rain (mm)	Sewer Loss (mm)	Net Rain (mm)	Runoff (m ³ /s)	Baseflow (m ³ /s)	Total Flow (m ³ /s)
19:04:00	0.0000	0.0000	0.0000	0.0000	0.0035	0.0035
19:12:00	0.0000	0.0000	0.0000	0.0000	0.00349	0.00349
19:20:00	0.0000	0.0000	0.0000	0.0000	0.00348	0.00348
19:28:00	0.0000	0.0000	0.0000	0.0000	0.00346	0.00346
19:36:00	0.0000	0.0000	0.0000	0.0000	0.00345	0.00345
19:44:00	0.0000	0.0000	0.0000	0.0000	0.00344	0.00344
19:52:00	0.0000	0.0000	0.0000	0.0000	0.00343	0.00343
20:00:00	0.0000	0.0000	0.0000	0.0000	0.00342	0.00342
20:08:00	0.0000	0.0000	0.0000	0.0000	0.00341	0.00341
20:16:00	0.0000	0.0000	0.0000	0.0000	0.00339	0.00339
20:24:00	0.0000	0.0000	0.0000	0.0000	0.00338	0.00338
20:32:00	0.0000	0.0000	0.0000	0.0000	0.00337	0.00337
20:40:00	0.0000	0.0000	0.0000	0.0000	0.00336	0.00336
20:48:00	0.0000	0.0000	0.0000	0.0000	0.00335	0.00335
20:56:00	0.0000	0.0000	0.0000	0.0000	0.00334	0.00334
21:04:00	0.0000	0.0000	0.0000	0.0000	0.00332	0.00332
21:12:00	0.0000	0.0000	0.0000	0.0000	0.00331	0.00331
21:20:00	0.0000	0.0000	0.0000	0.0000	0.0033	0.0033
21:28:00	0.0000	0.0000	0.0000	0.0000	0.00329	0.00329
21:36:00	0.0000	0.0000	0.0000	0.0000	0.00328	0.00328
21:44:00	0.0000	0.0000	0.0000	0.0000	0.00327	0.00327
21:52:00	0.0000	0.0000	0.0000	0.0000	0.00326	0.00326
22:00:00	0.0000	0.0000	0.0000	0.0000	0.00325	0.00325
22:08:00	0.0000	0.0000	0.0000	0.0000	0.00323	0.00323
22:16:00	0.0000	0.0000	0.0000	0.0000	0.00322	0.00322
22:24:00	0.0000	0.0000	0.0000	0.0000	0.00321	0.00321
22:32:00	0.0000	0.0000	0.0000	0.0000	0.0032	0.0032
22:40:00	0.0000	0.0000	0.0000	0.0000	0.00319	0.00319
22:48:00	0.0000	0.0000	0.0000	0.0000	0.00318	0.00318
22:56:00	0.0000	0.0000	0.0000	0.0000	0.00317	0.00317
23:04:00	0.0000	0.0000	0.0000	0.0000	0.00316	0.00316
23:12:00	0.0000	0.0000	0.0000	0.0000	0.00315	0.00315
23:20:00	0.0000	0.0000	0.0000	0.0000	0.00314	0.00314
23:28:00	0.0000	0.0000	0.0000	0.0000	0.00313	0.00313
23:36:00	0.0000	0.0000	0.0000	0.0000	0.00312	0.00312
23:44:00	0.0000	0.0000	0.0000	0.0000	0.0031	0.0031

Time (hh:mm:ss)	Rain (mm)	Sewer Loss (mm)	Net Rain (mm)	Runoff (m ³ /s)	Baseflow (m ³ /s)	Total Flow (m ³ /s)
23:52:00	0.0000	0.0000	0.0000	0.0000	0.00309	0.00309
24:00:00	0.0000	0.0000	0.0000	0.0000	0.00308	0.00308
24:08:00	0.0000	0.0000	0.0000	0.0000	0.00307	0.00307
24:16:00	0.0000	0.0000	0.0000	0.0000	0.00306	0.00306
24:24:00	0.0000	0.0000	0.0000	0.0000	0.00305	0.00305
24:32:00	0.0000	0.0000	0.0000	0.0000	0.00304	0.00304
24:40:00	0.0000	0.0000	0.0000	0.0000	0.00303	0.00303
24:48:00	0.0000	0.0000	0.0000	0.0000	0.00302	0.00302
24:56:00	0.0000	0.0000	0.0000	0.0000	0.00301	0.00301
25:04:00	0.0000	0.0000	0.0000	0.0000	0.003	0.003
25:12:00	0.0000	0.0000	0.0000	0.0000	0.00299	0.00299
25:20:00	0.0000	0.0000	0.0000	0.0000	0.00298	0.00298
25:28:00	0.0000	0.0000	0.0000	0.0000	0.00297	0.00297
25:36:00	0.0000	0.0000	0.0000	0.0000	0.00296	0.00296
25:44:00	0.0000	0.0000	0.0000	0.0000	0.00295	0.00295
25:52:00	0.0000	0.0000	0.0000	0.0000	0.00294	0.00294
26:00:00	0.0000	0.0000	0.0000	0.0000	0.00293	0.00293
26:08:00	0.0000	0.0000	0.0000	0.0000	0.00292	0.00292
26:16:00	0.0000	0.0000	0.0000	0.0000	0.00291	0.00291
26:24:00	0.0000	0.0000	0.0000	0.0000	0.0029	0.0029
26:32:00	0.0000	0.0000	0.0000	0.0000	0.00289	0.00289
26:40:00	0.0000	0.0000	0.0000	0.0000	0.00288	0.00288
26:48:00	0.0000	0.0000	0.0000	0.0000	0.00287	0.00287
26:56:00	0.0000	0.0000	0.0000	0.0000	0.00286	0.00286
27:04:00	0.0000	0.0000	0.0000	0.0000	0.00285	0.00285
27:12:00	0.0000	0.0000	0.0000	0.0000	0.00284	0.00284
27:20:00	0.0000	0.0000	0.0000	0.0000	0.00283	0.00283
27:28:00	0.0000	0.0000	0.0000	0.0000	0.00282	0.00282
27:36:00	0.0000	0.0000	0.0000	0.0000	0.00281	0.00281
27:44:00	0.0000	0.0000	0.0000	0.0000	0.0028	0.0028
27:52:00	0.0000	0.0000	0.0000	0.0000	0.00279	0.00279
28:00:00	0.0000	0.0000	0.0000	0.0000	0.00278	0.00278
28:08:00	0.0000	0.0000	0.0000	0.0000	0.00277	0.00277
28:16:00	0.0000	0.0000	0.0000	0.0000	0.00276	0.00276
28:24:00	0.0000	0.0000	0.0000	0.0000	0.00275	0.00275
28:32:00	0.0000	0.0000	0.0000	0.0000	0.00274	0.00274

Time (hh:mm:ss)	Rain (mm)	Sewer Loss (mm)	Net Rain (mm)	Runoff (m ³ /s)	Baseflow (m ³ /s)	Total Flow (m ³ /s)
28:40:00	0.0000	0.0000	0.0000	0.0000	0.00273	0.00273
28:48:00	0.0000	0.0000	0.0000	0.0000	0.00273	0.00273
28:56:00	0.0000	0.0000	0.0000	0.0000	0.00272	0.00272
29:04:00	0.0000	0.0000	0.0000	0.0000	0.00271	0.00271
29:12:00	0.0000	0.0000	0.0000	0.0000	0.0027	0.0027
29:20:00	0.0000	0.0000	0.0000	0.0000	0.00269	0.00269
29:28:00	0.0000	0.0000	0.0000	0.0000	0.00268	0.00268
29:36:00	0.0000	0.0000	0.0000	0.0000	0.00267	0.00267
29:44:00	0.0000	0.0000	0.0000	0.0000	0.00266	0.00266
29:52:00	0.0000	0.0000	0.0000	0.0000	0.00265	0.00265
30:00:00	0.0000	0.0000	0.0000	0.0000	0.00264	0.00264
30:08:00	0.0000	0.0000	0.0000	0.0000	0.00263	0.00263
30:16:00	0.0000	0.0000	0.0000	0.0000	0.00262	0.00262
30:24:00	0.0000	0.0000	0.0000	0.0000	0.00262	0.00262
30:32:00	0.0000	0.0000	0.0000	0.0000	0.00261	0.00261
30:40:00	0.0000	0.0000	0.0000	0.0000	0.0026	0.0026
30:48:00	0.0000	0.0000	0.0000	0.0000	0.00259	0.00259
30:56:00	0.0000	0.0000	0.0000	0.0000	0.00258	0.00258
31:04:00	0.0000	0.0000	0.0000	0.0000	0.00257	0.00257
31:12:00	0.0000	0.0000	0.0000	0.0000	0.00256	0.00256
31:20:00	0.0000	0.0000	0.0000	0.0000	0.00255	0.00255
31:28:00	0.0000	0.0000	0.0000	0.0000	0.00254	0.00254
31:36:00	0.0000	0.0000	0.0000	0.0000	0.00254	0.00254
31:44:00	0.0000	0.0000	0.0000	0.0000	0.00253	0.00253
31:52:00	0.0000	0.0000	0.0000	0.0000	0.00252	0.00252
32:00:00	0.0000	0.0000	0.0000	0.0000	0.00251	0.00251
32:08:00	0.0000	0.0000	0.0000	0.0000	0.0025	0.0025
32:16:00	0.0000	0.0000	0.0000	0.0000	0.00249	0.00249
32:24:00	0.0000	0.0000	0.0000	0.0000	0.00248	0.00248
32:32:00	0.0000	0.0000	0.0000	0.0000	0.00248	0.00248
32:40:00	0.0000	0.0000	0.0000	0.0000	0.00247	0.00247
32:48:00	0.0000	0.0000	0.0000	0.0000	0.00246	0.00246
32:56:00	0.0000	0.0000	0.0000	0.0000	0.00245	0.00245
33:04:00	0.0000	0.0000	0.0000	0.0000	0.00244	0.00244
33:12:00	0.0000	0.0000	0.0000	0.0000	0.00243	0.00243
33:20:00	0.0000	0.0000	0.0000	0.0000	0.00243	0.00243

Time (hh:mm:ss)	Rain (mm)	Sewer Loss (mm)	Net Rain (mm)	Runoff (m ³ /s)	Baseflow (m ³ /s)	Total Flow (m ³ /s)
33:28:00	0.0000	0.0000	0.0000	0.0000	0.00242	0.00242
33:36:00	0.0000	0.0000	0.0000	0.0000	0.00241	0.00241
33:44:00	0.0000	0.0000	0.0000	0.0000	0.0024	0.0024
33:52:00	0.0000	0.0000	0.0000	0.0000	0.00239	0.00239
34:00:00	0.0000	0.0000	0.0000	0.0000	0.00238	0.00238
34:08:00	0.0000	0.0000	0.0000	0.0000	0.00238	0.00238
34:16:00	0.0000	0.0000	0.0000	0.0000	0.00237	0.00237
34:24:00	0.0000	0.0000	0.0000	0.0000	0.00236	0.00236
34:32:00	0.0000	0.0000	0.0000	0.0000	0.00235	0.00235
34:40:00	0.0000	0.0000	0.0000	0.0000	0.00234	0.00234
34:48:00	0.0000	0.0000	0.0000	0.0000	0.00234	0.00234
34:56:00	0.0000	0.0000	0.0000	0.0000	0.00233	0.00233
35:04:00	0.0000	0.0000	0.0000	0.0000	0.00232	0.00232
35:12:00	0.0000	0.0000	0.0000	0.0000	0.00231	0.00231
35:20:00	0.0000	0.0000	0.0000	0.0000	0.0023	0.0023
35:28:00	0.0000	0.0000	0.0000	0.0000	0.0023	0.0023
35:36:00	0.0000	0.0000	0.0000	0.0000	0.00229	0.00229
35:44:00	0.0000	0.0000	0.0000	0.0000	0.00228	0.00228
35:52:00	0.0000	0.0000	0.0000	0.0000	0.00227	0.00227
36:00:00	0.0000	0.0000	0.0000	0.0000	0.00226	0.00226
36:08:00	0.0000	0.0000	0.0000	0.0000	0.00226	0.00226
36:16:00	0.0000	0.0000	0.0000	0.0000	0.00225	0.00225
36:24:00	0.0000	0.0000	0.0000	0.0000	0.00224	0.00224
36:32:00	0.0000	0.0000	0.0000	0.0000	0.00223	0.00223
36:40:00	0.0000	0.0000	0.0000	0.0000	0.00223	0.00223
36:48:00	0.0000	0.0000	0.0000	0.0000	0.00222	0.00222
36:56:00	0.0000	0.0000	0.0000	0.0000	0.00221	0.00221
37:04:00	0.0000	0.0000	0.0000	0.0000	0.0022	0.0022
37:12:00	0.0000	0.0000	0.0000	0.0000	0.0022	0.0022
37:20:00	0.0000	0.0000	0.0000	0.0000	0.00219	0.00219
37:28:00	0.0000	0.0000	0.0000	0.0000	0.00218	0.00218
37:36:00	0.0000	0.0000	0.0000	0.0000	0.00217	0.00217
37:44:00	0.0000	0.0000	0.0000	0.0000	0.00217	0.00217
37:52:00	0.0000	0.0000	0.0000	0.0000	0.00216	0.00216
38:00:00	0.0000	0.0000	0.0000	0.0000	0.00215	0.00215
38:08:00	0.0000	0.0000	0.0000	0.0000	0.00214	0.00214

Time (hh:mm:ss)	Rain (mm)	Sewer Loss (mm)	Net Rain (mm)	Runoff (m ³ /s)	Baseflow (m ³ /s)	Total Flow (m ³ /s)
38:16:00	0.0000	0.0000	0.0000	0.0000	0.00214	0.00214
38:24:00	0.0000	0.0000	0.0000	0.0000	0.00213	0.00213
38:32:00	0.0000	0.0000	0.0000	0.0000	0.00212	0.00212
38:40:00	0.0000	0.0000	0.0000	0.0000	0.00211	0.00211
38:48:00	0.0000	0.0000	0.0000	0.0000	0.00211	0.00211
38:56:00	0.0000	0.0000	0.0000	0.0000	0.0021	0.0021
39:04:00	0.0000	0.0000	0.0000	0.0000	0.00209	0.00209
39:12:00	0.0000	0.0000	0.0000	0.0000	0.00209	0.00209
39:20:00	0.0000	0.0000	0.0000	0.0000	0.00208	0.00208
39:28:00	0.0000	0.0000	0.0000	0.0000	0.00207	0.00207
39:36:00	0.0000	0.0000	0.0000	0.0000	0.00206	0.00206
39:44:00	0.0000	0.0000	0.0000	0.0000	0.00206	0.00206
39:52:00	0.0000	0.0000	0.0000	0.0000	0.00205	0.00205
40:00:00	0.0000	0.0000	0.0000	0.0000	0.00204	0.00204
40:08:00	0.0000	0.0000	0.0000	0.0000	0.00204	0.00204
40:16:00	0.0000	0.0000	0.0000	0.0000	0.00203	0.00203
40:24:00	0.0000	0.0000	0.0000	0.0000	0.00202	0.00202
40:32:00	0.0000	0.0000	0.0000	0.0000	0.00202	0.00202
40:40:00	0.0000	0.0000	0.0000	0.0000	0.00201	0.00201
40:48:00	0.0000	0.0000	0.0000	0.0000	0.002	0.002
40:56:00	0.0000	0.0000	0.0000	0.0000	0.00199	0.00199
41:04:00	0.0000	0.0000	0.0000	0.0000	0.00199	0.00199
41:12:00	0.0000	0.0000	0.0000	0.0000	0.00198	0.00198
41:20:00	0.0000	0.0000	0.0000	0.0000	0.00197	0.00197
41:28:00	0.0000	0.0000	0.0000	0.0000	0.00197	0.00197
41:36:00	0.0000	0.0000	0.0000	0.0000	0.00196	0.00196
41:44:00	0.0000	0.0000	0.0000	0.0000	0.00195	0.00195
41:52:00	0.0000	0.0000	0.0000	0.0000	0.00195	0.00195
42:00:00	0.0000	0.0000	0.0000	0.0000	0.00194	0.00194
42:08:00	0.0000	0.0000	0.0000	0.0000	0.00193	0.00193
42:16:00	0.0000	0.0000	0.0000	0.0000	0.00193	0.00193
42:24:00	0.0000	0.0000	0.0000	0.0000	0.00192	0.00192
42:32:00	0.0000	0.0000	0.0000	0.0000	0.00191	0.00191
42:40:00	0.0000	0.0000	0.0000	0.0000	0.00191	0.00191
42:48:00	0.0000	0.0000	0.0000	0.0000	0.0019	0.0019
42:56:00	0.0000	0.0000	0.0000	0.0000	0.00189	0.00189

Time (hh:mm:ss)	Rain (mm)	Sewer Loss (mm)	Net Rain (mm)	Runoff (m ³ /s)	Baseflow (m ³ /s)	Total Flow (m ³ /s)
43:04:00	0.0000	0.0000	0.0000	0.0000	0.00189	0.00189
43:12:00	0.0000	0.0000	0.0000	0.0000	0.00188	0.00188
43:20:00	0.0000	0.0000	0.0000	0.0000	0.00188	0.00188
43:28:00	0.0000	0.0000	0.0000	0.0000	0.00187	0.00187
43:36:00	0.0000	0.0000	0.0000	0.0000	0.00186	0.00186
43:44:00	0.0000	0.0000	0.0000	0.0000	0.00186	0.00186
43:52:00	0.0000	0.0000	0.0000	0.0000	0.00185	0.00185
44:00:00	0.0000	0.0000	0.0000	0.0000	0.00184	0.00184
44:08:00	0.0000	0.0000	0.0000	0.0000	0.00184	0.00184
44:16:00	0.0000	0.0000	0.0000	0.0000	0.00183	0.00183
44:24:00	0.0000	0.0000	0.0000	0.0000	0.00182	0.00182
44:32:00	0.0000	0.0000	0.0000	0.0000	0.00182	0.00182
44:40:00	0.0000	0.0000	0.0000	0.0000	0.00181	0.00181
44:48:00	0.0000	0.0000	0.0000	0.0000	0.00181	0.00181
44:56:00	0.0000	0.0000	0.0000	0.0000	0.0018	0.0018
45:04:00	0.0000	0.0000	0.0000	0.0000	0.00179	0.00179
45:12:00	0.0000	0.0000	0.0000	0.0000	0.00179	0.00179
45:20:00	0.0000	0.0000	0.0000	0.0000	0.00178	0.00178
45:28:00	0.0000	0.0000	0.0000	0.0000	0.00178	0.00178
45:36:00	0.0000	0.0000	0.0000	0.0000	0.00177	0.00177
45:44:00	0.0000	0.0000	0.0000	0.0000	0.00176	0.00176
45:52:00	0.0000	0.0000	0.0000	0.0000	0.00176	0.00176
46:00:00	0.0000	0.0000	0.0000	0.0000	0.00175	0.00175
46:08:00	0.0000	0.0000	0.0000	0.0000	0.00175	0.00175
46:16:00	0.0000	0.0000	0.0000	0.0000	0.00174	0.00174
46:24:00	0.0000	0.0000	0.0000	0.0000	0.00173	0.00173
46:32:00	0.0000	0.0000	0.0000	0.0000	0.00173	0.00173
46:40:00	0.0000	0.0000	0.0000	0.0000	0.00172	0.00172
46:48:00	0.0000	0.0000	0.0000	0.0000	0.00172	0.00172
46:56:00	0.0000	0.0000	0.0000	0.0000	0.00171	0.00171
47:04:00	0.0000	0.0000	0.0000	0.0000	0.0017	0.0017
47:12:00	0.0000	0.0000	0.0000	0.0000	0.0017	0.0017
47:20:00	0.0000	0.0000	0.0000	0.0000	0.00169	0.00169
47:28:00	0.0000	0.0000	0.0000	0.0000	0.00169	0.00169
47:36:00	0.0000	0.0000	0.0000	0.0000	0.00168	0.00168
47:44:00	0.0000	0.0000	0.0000	0.0000	0.00167	0.00167

Time (hh:mm:ss)	Rain (mm)	Sewer Loss (mm)	Net Rain (mm)	Runoff (m ³ /s)	Baseflow (m ³ /s)	Total Flow (m ³ /s)
47:52:00	0.0000	0.0000	0.0000	0.0000	0.00167	0.00167
48:00:00	0.0000	0.0000	0.0000	0.0000	0.00166	0.00166
48:08:00	0.0000	0.0000	0.0000	0.0000	0.00166	0.00166
48:16:00	0.0000	0.0000	0.0000	0.0000	0.00165	0.00165
48:24:00	0.0000	0.0000	0.0000	0.0000	0.00165	0.00165
48:32:00	0.0000	0.0000	0.0000	0.0000	0.00164	0.00164
48:40:00	0.0000	0.0000	0.0000	0.0000	0.00164	0.00164
48:48:00	0.0000	0.0000	0.0000	0.0000	0.00163	0.00163
48:56:00	0.0000	0.0000	0.0000	0.0000	0.00162	0.00162
49:04:00	0.0000	0.0000	0.0000	0.0000	0.00162	0.00162
49:12:00	0.0000	0.0000	0.0000	0.0000	0.00161	0.00161
49:20:00	0.0000	0.0000	0.0000	0.0000	0.00161	0.00161
49:28:00	0.0000	0.0000	0.0000	0.0000	0.0016	0.0016
49:36:00	0.0000	0.0000	0.0000	0.0000	0.0016	0.0016
49:44:00	0.0000	0.0000	0.0000	0.0000	0.00159	0.00159
49:52:00	0.0000	0.0000	0.0000	0.0000	0.00159	0.00159
50:00:00	0.0000	0.0000	0.0000	0.0000	0.00158	0.00158
50:08:00	0.0000	0.0000	0.0000	0.0000	0.00157	0.00157
50:16:00	0.0000	0.0000	0.0000	0.0000	0.00157	0.00157
50:24:00	0.0000	0.0000	0.0000	0.0000	0.00156	0.00156
50:32:00	0.0000	0.0000	0.0000	0.0000	0.00156	0.00156
50:40:00	0.0000	0.0000	0.0000	0.0000	0.00155	0.00155
50:48:00	0.0000	0.0000	0.0000	0.0000	0.00155	0.00155
50:56:00	0.0000	0.0000	0.0000	0.0000	0.00154	0.00154
51:04:00	0.0000	0.0000	0.0000	0.0000	0.00154	0.00154
51:12:00	0.0000	0.0000	0.0000	0.0000	0.00153	0.00153
51:20:00	0.0000	0.0000	0.0000	0.0000	0.00153	0.00153
51:28:00	0.0000	0.0000	0.0000	0.0000	0.00152	0.00152
51:36:00	0.0000	0.0000	0.0000	0.0000	0.00152	0.00152
51:44:00	0.0000	0.0000	0.0000	0.0000	0.00151	0.00151
51:52:00	0.0000	0.0000	0.0000	0.0000	0.00151	0.00151
52:00:00	0.0000	0.0000	0.0000	0.0000	0.0015	0.0015
52:08:00	0.0000	0.0000	0.0000	0.0000	0.0015	0.0015
52:16:00	0.0000	0.0000	0.0000	0.0000	0.00149	0.00149
52:24:00	0.0000	0.0000	0.0000	0.0000	0.00149	0.00149
52:32:00	0.0000	0.0000	0.0000	0.0000	0.00148	0.00148

Appendix

Catchment descriptors *

Name	Value	User-defined value used?
BFIHOST	0.38	No
BFIHOST19	0.42	No
PROPWET (mm)	0.23	No
SAAR (mm)	569	No

Values in square brackets are the original values loaded from the FEH Web Service or FEH CD-ROM