

UK Design Flood Estimation

Generated on 05 May 2021 08:34:45 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: 1 year

Summary of results

Rainfall - FEH 2013 model (mm):	21.29	Total runoff (ML):	0.28
Total Rainfall (mm):	13.79	Total flow (ML):	0.70
Peak Rainfall (mm):	0.81	Peak flow (m ³ /s):	0.01

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	1.83	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	0.0602	0.0000	0.0226	0.0000	0.00147	0.00147
00:08:00	0.0683	0.0000	0.0257	0.0000	0.00147	0.00147
00:16:00	0.0776	0.0000	0.0291	0.0000	0.00146	0.00147
00:24:00	0.0880	0.0000	0.0331	0.0000	0.00146	0.00147
00:32:00	0.0999	0.0000	0.0376	0.0000	0.00145	0.00148
00:40:00	0.1133	0.0000	0.0426	0.0000	0.00145	0.00149
00:48:00	0.1285	0.0000	0.0484	0.0001	0.00144	0.00151
00:56:00	0.1456	0.0000	0.0549	0.0001	0.00144	0.00153
01:04:00	0.1650	0.0000	0.0623	0.0001	0.00143	0.00156
01:12:00	0.1869	0.0000	0.0707	0.0002	0.00143	0.0016
01:20:00	0.2117	0.0000	0.0801	0.0002	0.00142	0.00165
01:28:00	0.2396	0.0000	0.0908	0.0003	0.00142	0.0017
01:36:00	0.2710	0.0000	0.1029	0.0004	0.00142	0.00177
01:44:00	0.3064	0.0000	0.1166	0.0004	0.00141	0.00186
01:52:00	0.3461	0.0000	0.1320	0.0005	0.00141	0.00195
02:00:00	0.3907	0.0000	0.1494	0.0007	0.00141	0.00207
02:08:00	0.4406	0.0000	0.1689	0.0008	0.00141	0.0022
02:16:00	0.4962	0.0000	0.1909	0.0009	0.00141	0.00235
02:24:00	0.5579	0.0000	0.2154	0.0011	0.00141	0.00253
02:32:00	0.6257	0.0000	0.2425	0.0013	0.00141	0.00274
02:40:00	0.6987	0.0000	0.2720	0.0016	0.00141	0.00297
02:48:00	0.7725	0.0000	0.3022	0.0018	0.00141	0.00324
02:56:00	0.8076	0.0000	0.3176	0.0021	0.00142	0.00355
03:04:00	0.7725	0.0000	0.3054	0.0025	0.00142	0.0039
03:12:00	0.6987	0.0000	0.2776	0.0029	0.00143	0.00428
03:20:00	0.6257	0.0000	0.2497	0.0033	0.00144	0.00471
03:28:00	0.5579	0.0000	0.2235	0.0037	0.00145	0.00516
03:36:00	0.4962	0.0000	0.1995	0.0042	0.00147	0.00564
03:44:00	0.4406	0.0000	0.1777	0.0047	0.00148	0.00614
03:52:00	0.3907	0.0000	0.1580	0.0052	0.0015	0.00666
04:00:00	0.3461	0.0000	0.1403	0.0057	0.00152	0.0072
04:08:00	0.3064	0.0000	0.1244	0.0062	0.00154	0.00774
04:16:00	0.2710	0.0000	0.1103	0.0067	0.00157	0.00829
04:24:00	0.2396	0.0000	0.0976	0.0072	0.0016	0.00884
04:32:00	0.2117	0.0000	0.0864	0.0078	0.00163	0.0094

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	0.1869	0.0000	0.0764	0.0083	0.00166	0.00994
04:48:00	0.1650	0.0000	0.0675	0.0088	0.0017	0.0105
04:56:00	0.1456	0.0000	0.0596	0.0093	0.00174	0.011
05:04:00	0.1285	0.0000	0.0527	0.0097	0.00178	0.0115
05:12:00	0.1133	0.0000	0.0462	0.0102	0.00182	0.012
05:20:00	0.0999	0.0000	0.0408	0.0106	0.00186	0.0125
05:28:00	0.0880	0.0000	0.0360	0.0110	0.00191	0.0129
05:36:00	0.0776	0.0000	0.0317	0.0113	0.00196	0.0133
05:44:00	0.0683	0.0000	0.0279	0.0116	0.00201	0.0136
05:52:00	0.0602	0.0000	0.0246	0.0119	0.00206	0.014
06:00:00	0.0000	0.0000	0.0000	0.0121	0.00212	0.0142
06:08:00	0.0000	0.0000	0.0000	0.0123	0.00217	0.0145
06:16:00	0.0000	0.0000	0.0000	0.0124	0.00223	0.0146
06:24:00	0.0000	0.0000	0.0000	0.0124	0.00228	0.0147
06:32:00	0.0000	0.0000	0.0000	0.0124	0.00234	0.0148
06:40:00	0.0000	0.0000	0.0000	0.0124	0.0024	0.0148
06:48:00	0.0000	0.0000	0.0000	0.0123	0.00245	0.0147
06:56:00	0.0000	0.0000	0.0000	0.0122	0.00251	0.0147
07:04:00	0.0000	0.0000	0.0000	0.0120	0.00256	0.0146
07:12:00	0.0000	0.0000	0.0000	0.0118	0.00262	0.0144
07:20:00	0.0000	0.0000	0.0000	0.0116	0.00267	0.0143
07:28:00	0.0000	0.0000	0.0000	0.0113	0.00272	0.0141
07:36:00	0.0000	0.0000	0.0000	0.0111	0.00277	0.0139
07:44:00	0.0000	0.0000	0.0000	0.0108	0.00282	0.0136
07:52:00	0.0000	0.0000	0.0000	0.0105	0.00287	0.0134
08:00:00	0.0000	0.0000	0.0000	0.0102	0.00292	0.0132
08:08:00	0.0000	0.0000	0.0000	0.0099	0.00296	0.0129
08:16:00	0.0000	0.0000	0.0000	0.0096	0.003	0.0126
08:24:00	0.0000	0.0000	0.0000	0.0093	0.00304	0.0124
08:32:00	0.0000	0.0000	0.0000	0.0090	0.00308	0.0121
08:40:00	0.0000	0.0000	0.0000	0.0087	0.00312	0.0118
08:48:00	0.0000	0.0000	0.0000	0.0084	0.00316	0.0116
08:56:00	0.0000	0.0000	0.0000	0.0081	0.00319	0.0113
09:04:00	0.0000	0.0000	0.0000	0.0078	0.00322	0.011
09:12:00	0.0000	0.0000	0.0000	0.0075	0.00325	0.0107
09:20:00	0.0000	0.0000	0.0000	0.0072	0.00328	0.0105

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	0.0069	0.00331	0.0102
09:36:00	0.0000	0.0000	0.0000	0.0066	0.00334	0.00996
09:44:00	0.0000	0.0000	0.0000	0.0064	0.00336	0.00972
09:52:00	0.0000	0.0000	0.0000	0.0061	0.00338	0.00949
10:00:00	0.0000	0.0000	0.0000	0.0059	0.00341	0.00927
10:08:00	0.0000	0.0000	0.0000	0.0056	0.00343	0.00906
10:16:00	0.0000	0.0000	0.0000	0.0054	0.00345	0.00885
10:24:00	0.0000	0.0000	0.0000	0.0052	0.00346	0.00865
10:32:00	0.0000	0.0000	0.0000	0.0050	0.00348	0.00845
10:40:00	0.0000	0.0000	0.0000	0.0048	0.0035	0.00826
10:48:00	0.0000	0.0000	0.0000	0.0046	0.00351	0.00807
10:56:00	0.0000	0.0000	0.0000	0.0044	0.00352	0.00789
11:04:00	0.0000	0.0000	0.0000	0.0042	0.00354	0.00771
11:12:00	0.0000	0.0000	0.0000	0.0040	0.00355	0.00753
11:20:00	0.0000	0.0000	0.0000	0.0038	0.00356	0.00736
11:28:00	0.0000	0.0000	0.0000	0.0036	0.00357	0.00719
11:36:00	0.0000	0.0000	0.0000	0.0034	0.00358	0.00703
11:44:00	0.0000	0.0000	0.0000	0.0033	0.00358	0.00686
11:52:00	0.0000	0.0000	0.0000	0.0031	0.00359	0.00671
12:00:00	0.0000	0.0000	0.0000	0.0030	0.0036	0.00655
12:08:00	0.0000	0.0000	0.0000	0.0028	0.0036	0.0064
12:16:00	0.0000	0.0000	0.0000	0.0026	0.00361	0.00625
12:24:00	0.0000	0.0000	0.0000	0.0025	0.00361	0.0061
12:32:00	0.0000	0.0000	0.0000	0.0023	0.00361	0.00596
12:40:00	0.0000	0.0000	0.0000	0.0022	0.00361	0.00582
12:48:00	0.0000	0.0000	0.0000	0.0021	0.00361	0.00568
12:56:00	0.0000	0.0000	0.0000	0.0019	0.00361	0.00554
13:04:00	0.0000	0.0000	0.0000	0.0018	0.00361	0.00541
13:12:00	0.0000	0.0000	0.0000	0.0017	0.00361	0.00528
13:20:00	0.0000	0.0000	0.0000	0.0015	0.00361	0.00514
13:28:00	0.0000	0.0000	0.0000	0.0014	0.00361	0.00502
13:36:00	0.0000	0.0000	0.0000	0.0013	0.0036	0.00489
13:44:00	0.0000	0.0000	0.0000	0.0012	0.0036	0.00477
13:52:00	0.0000	0.0000	0.0000	0.0011	0.00359	0.00465
14:00:00	0.0000	0.0000	0.0000	0.0009	0.00359	0.00454
14:08:00	0.0000	0.0000	0.0000	0.0008	0.00358	0.00442

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	0.0007	0.00357	0.00432
14:24:00	0.0000	0.0000	0.0000	0.0007	0.00356	0.00422
14:32:00	0.0000	0.0000	0.0000	0.0006	0.00356	0.00413
14:40:00	0.0000	0.0000	0.0000	0.0005	0.00355	0.00404
14:48:00	0.0000	0.0000	0.0000	0.0004	0.00354	0.00396
14:56:00	0.0000	0.0000	0.0000	0.0004	0.00353	0.00389
15:04:00	0.0000	0.0000	0.0000	0.0003	0.00352	0.00383
15:12:00	0.0000	0.0000	0.0000	0.0003	0.00351	0.00377
15:20:00	0.0000	0.0000	0.0000	0.0002	0.0035	0.00372
15:28:00	0.0000	0.0000	0.0000	0.0002	0.00349	0.00368
15:36:00	0.0000	0.0000	0.0000	0.0002	0.00348	0.00363
15:44:00	0.0000	0.0000	0.0000	0.0001	0.00346	0.0036
15:52:00	0.0000	0.0000	0.0000	0.0001	0.00345	0.00356
16:00:00	0.0000	0.0000	0.0000	0.0001	0.00344	0.00353
16:08:00	0.0000	0.0000	0.0000	0.0001	0.00343	0.0035
16:16:00	0.0000	0.0000	0.0000	0.0001	0.00342	0.00348
16:24:00	0.0000	0.0000	0.0000	0.0000	0.00341	0.00345
16:32:00	0.0000	0.0000	0.0000	0.0000	0.0034	0.00343
16:40:00	0.0000	0.0000	0.0000	0.0000	0.00338	0.00341
16:48:00	0.0000	0.0000	0.0000	0.0000	0.00337	0.00339
16:56:00	0.0000	0.0000	0.0000	0.0000	0.00336	0.00337
17:04:00	0.0000	0.0000	0.0000	0.0000	0.00335	0.00336
17:12:00	0.0000	0.0000	0.0000	0.0000	0.00334	0.00334
17:20:00	0.0000	0.0000	0.0000	0.0000	0.00333	0.00333
17:28:00	0.0000	0.0000	0.0000	0.0000	0.00332	0.00332
17:36:00	0.0000	0.0000	0.0000	0.0000	0.0033	0.0033
17:44:00	0.0000	0.0000	0.0000	0.0000	0.00329	0.00329
17:52:00	0.0000	0.0000	0.0000	0.0000	0.00328	0.00328
18:00:00	0.0000	0.0000	0.0000	0.0000	0.00327	0.00327
18:08:00	0.0000	0.0000	0.0000	0.0000	0.00326	0.00326
18:16:00	0.0000	0.0000	0.0000	0.0000	0.00325	0.00325
18:24:00	0.0000	0.0000	0.0000	0.0000	0.00324	0.00324
18:32:00	0.0000	0.0000	0.0000	0.0000	0.00323	0.00323
18:40:00	0.0000	0.0000	0.0000	0.0000	0.00322	0.00322
18:48:00	0.0000	0.0000	0.0000	0.0000	0.0032	0.0032
18:56:00	0.0000	0.0000	0.0000	0.0000	0.00319	0.00319

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	0.00318	0.00318
19:12:00	0.0000	0.0000	0.0000	0.0000	0.00317	0.00317
19:20:00	0.0000	0.0000	0.0000	0.0000	0.00316	0.00316
19:28:00	0.0000	0.0000	0.0000	0.0000	0.00315	0.00315
19:36:00	0.0000	0.0000	0.0000	0.0000	0.00314	0.00314
19:44:00	0.0000	0.0000	0.0000	0.0000	0.00313	0.00313
19:52:00	0.0000	0.0000	0.0000	0.0000	0.00312	0.00312
20:00:00	0.0000	0.0000	0.0000	0.0000	0.00311	0.00311
20:08:00	0.0000	0.0000	0.0000	0.0000	0.0031	0.0031
20:16:00	0.0000	0.0000	0.0000	0.0000	0.00309	0.00309
20:24:00	0.0000	0.0000	0.0000	0.0000	0.00308	0.00308
20:32:00	0.0000	0.0000	0.0000	0.0000	0.00306	0.00306
20:40:00	0.0000	0.0000	0.0000	0.0000	0.00305	0.00305
20:48:00	0.0000	0.0000	0.0000	0.0000	0.00304	0.00304
20:56:00	0.0000	0.0000	0.0000	0.0000	0.00303	0.00303
21:04:00	0.0000	0.0000	0.0000	0.0000	0.00302	0.00302
21:12:00	0.0000	0.0000	0.0000	0.0000	0.00301	0.00301
21:20:00	0.0000	0.0000	0.0000	0.0000	0.003	0.003
21:28:00	0.0000	0.0000	0.0000	0.0000	0.00299	0.00299
21:36:00	0.0000	0.0000	0.0000	0.0000	0.00298	0.00298
21:44:00	0.0000	0.0000	0.0000	0.0000	0.00297	0.00297
21:52:00	0.0000	0.0000	0.0000	0.0000	0.00296	0.00296
22:00:00	0.0000	0.0000	0.0000	0.0000	0.00295	0.00295
22:08:00	0.0000	0.0000	0.0000	0.0000	0.00294	0.00294
22:16:00	0.0000	0.0000	0.0000	0.0000	0.00293	0.00293
22:24:00	0.0000	0.0000	0.0000	0.0000	0.00292	0.00292
22:32:00	0.0000	0.0000	0.0000	0.0000	0.00291	0.00291
22:40:00	0.0000	0.0000	0.0000	0.0000	0.0029	0.0029
22:48:00	0.0000	0.0000	0.0000	0.0000	0.00289	0.00289
22:56:00	0.0000	0.0000	0.0000	0.0000	0.00288	0.00288
23:04:00	0.0000	0.0000	0.0000	0.0000	0.00287	0.00287
23:12:00	0.0000	0.0000	0.0000	0.0000	0.00286	0.00286
23:20:00	0.0000	0.0000	0.0000	0.0000	0.00285	0.00285
23:28:00	0.0000	0.0000	0.0000	0.0000	0.00284	0.00284
23:36:00	0.0000	0.0000	0.0000	0.0000	0.00283	0.00283
23:44:00	0.0000	0.0000	0.0000	0.0000	0.00282	0.00282

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	0.00281	0.00281
24:00:00	0.0000	0.0000	0.0000	0.0000	0.0028	0.0028
24:08:00	0.0000	0.0000	0.0000	0.0000	0.00279	0.00279
24:16:00	0.0000	0.0000	0.0000	0.0000	0.00278	0.00278
24:24:00	0.0000	0.0000	0.0000	0.0000	0.00277	0.00277
24:32:00	0.0000	0.0000	0.0000	0.0000	0.00277	0.00277
24:40:00	0.0000	0.0000	0.0000	0.0000	0.00276	0.00276
24:48:00	0.0000	0.0000	0.0000	0.0000	0.00275	0.00275
24:56:00	0.0000	0.0000	0.0000	0.0000	0.00274	0.00274
25:04:00	0.0000	0.0000	0.0000	0.0000	0.00273	0.00273
25:12:00	0.0000	0.0000	0.0000	0.0000	0.00272	0.00272
25:20:00	0.0000	0.0000	0.0000	0.0000	0.00271	0.00271
25:28:00	0.0000	0.0000	0.0000	0.0000	0.0027	0.0027
25:36:00	0.0000	0.0000	0.0000	0.0000	0.00269	0.00269
25:44:00	0.0000	0.0000	0.0000	0.0000	0.00268	0.00268
25:52:00	0.0000	0.0000	0.0000	0.0000	0.00267	0.00267
26:00:00	0.0000	0.0000	0.0000	0.0000	0.00266	0.00266
26:08:00	0.0000	0.0000	0.0000	0.0000	0.00265	0.00265
26:16:00	0.0000	0.0000	0.0000	0.0000	0.00264	0.00264
26:24:00	0.0000	0.0000	0.0000	0.0000	0.00264	0.00264
26:32:00	0.0000	0.0000	0.0000	0.0000	0.00263	0.00263
26:40:00	0.0000	0.0000	0.0000	0.0000	0.00262	0.00262
26:48:00	0.0000	0.0000	0.0000	0.0000	0.00261	0.00261
26:56:00	0.0000	0.0000	0.0000	0.0000	0.0026	0.0026
27:04:00	0.0000	0.0000	0.0000	0.0000	0.00259	0.00259
27:12:00	0.0000	0.0000	0.0000	0.0000	0.00258	0.00258
27:20:00	0.0000	0.0000	0.0000	0.0000	0.00257	0.00257
27:28:00	0.0000	0.0000	0.0000	0.0000	0.00256	0.00256
27:36:00	0.0000	0.0000	0.0000	0.0000	0.00256	0.00256
27:44:00	0.0000	0.0000	0.0000	0.0000	0.00255	0.00255
27:52:00	0.0000	0.0000	0.0000	0.0000	0.00254	0.00254
28:00:00	0.0000	0.0000	0.0000	0.0000	0.00253	0.00253
28:08:00	0.0000	0.0000	0.0000	0.0000	0.00252	0.00252
28:16:00	0.0000	0.0000	0.0000	0.0000	0.00251	0.00251
28:24:00	0.0000	0.0000	0.0000	0.0000	0.0025	0.0025
28:32:00	0.0000	0.0000	0.0000	0.0000	0.00249	0.00249

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	0.00249	0.00249
28:48:00	0.0000	0.0000	0.0000	0.0000	0.00248	0.00248
28:56:00	0.0000	0.0000	0.0000	0.0000	0.00247	0.00247
29:04:00	0.0000	0.0000	0.0000	0.0000	0.00246	0.00246
29:12:00	0.0000	0.0000	0.0000	0.0000	0.00245	0.00245
29:20:00	0.0000	0.0000	0.0000	0.0000	0.00244	0.00244
29:28:00	0.0000	0.0000	0.0000	0.0000	0.00244	0.00244
29:36:00	0.0000	0.0000	0.0000	0.0000	0.00243	0.00243
29:44:00	0.0000	0.0000	0.0000	0.0000	0.00242	0.00242
29:52:00	0.0000	0.0000	0.0000	0.0000	0.00241	0.00241
30:00:00	0.0000	0.0000	0.0000	0.0000	0.0024	0.0024
30:08:00	0.0000	0.0000	0.0000	0.0000	0.00239	0.00239
30:16:00	0.0000	0.0000	0.0000	0.0000	0.00239	0.00239
30:24:00	0.0000	0.0000	0.0000	0.0000	0.00238	0.00238
30:32:00	0.0000	0.0000	0.0000	0.0000	0.00237	0.00237
30:40:00	0.0000	0.0000	0.0000	0.0000	0.00236	0.00236
30:48:00	0.0000	0.0000	0.0000	0.0000	0.00235	0.00235
30:56:00	0.0000	0.0000	0.0000	0.0000	0.00235	0.00235
31:04:00	0.0000	0.0000	0.0000	0.0000	0.00234	0.00234
31:12:00	0.0000	0.0000	0.0000	0.0000	0.00233	0.00233
31:20:00	0.0000	0.0000	0.0000	0.0000	0.00232	0.00232
31:28:00	0.0000	0.0000	0.0000	0.0000	0.00231	0.00231
31:36:00	0.0000	0.0000	0.0000	0.0000	0.00231	0.00231
31:44:00	0.0000	0.0000	0.0000	0.0000	0.0023	0.0023
31:52:00	0.0000	0.0000	0.0000	0.0000	0.00229	0.00229
32:00:00	0.0000	0.0000	0.0000	0.0000	0.00228	0.00228
32:08:00	0.0000	0.0000	0.0000	0.0000	0.00227	0.00227
32:16:00	0.0000	0.0000	0.0000	0.0000	0.00227	0.00227
32:24:00	0.0000	0.0000	0.0000	0.0000	0.00226	0.00226
32:32:00	0.0000	0.0000	0.0000	0.0000	0.00225	0.00225
32:40:00	0.0000	0.0000	0.0000	0.0000	0.00224	0.00224
32:48:00	0.0000	0.0000	0.0000	0.0000	0.00224	0.00224
32:56:00	0.0000	0.0000	0.0000	0.0000	0.00223	0.00223
33:04:00	0.0000	0.0000	0.0000	0.0000	0.00222	0.00222
33:12:00	0.0000	0.0000	0.0000	0.0000	0.00221	0.00221
33:20:00	0.0000	0.0000	0.0000	0.0000	0.00221	0.00221

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	0.0022	0.0022
33:36:00	0.0000	0.0000	0.0000	0.0000	0.00219	0.00219
33:44:00	0.0000	0.0000	0.0000	0.0000	0.00218	0.00218
33:52:00	0.0000	0.0000	0.0000	0.0000	0.00218	0.00218
34:00:00	0.0000	0.0000	0.0000	0.0000	0.00217	0.00217
34:08:00	0.0000	0.0000	0.0000	0.0000	0.00216	0.00216
34:16:00	0.0000	0.0000	0.0000	0.0000	0.00215	0.00215
34:24:00	0.0000	0.0000	0.0000	0.0000	0.00215	0.00215
34:32:00	0.0000	0.0000	0.0000	0.0000	0.00214	0.00214
34:40:00	0.0000	0.0000	0.0000	0.0000	0.00213	0.00213
34:48:00	0.0000	0.0000	0.0000	0.0000	0.00212	0.00212
34:56:00	0.0000	0.0000	0.0000	0.0000	0.00212	0.00212
35:04:00	0.0000	0.0000	0.0000	0.0000	0.00211	0.00211
35:12:00	0.0000	0.0000	0.0000	0.0000	0.0021	0.0021
35:20:00	0.0000	0.0000	0.0000	0.0000	0.00209	0.00209
35:28:00	0.0000	0.0000	0.0000	0.0000	0.00209	0.00209
35:36:00	0.0000	0.0000	0.0000	0.0000	0.00208	0.00208
35:44:00	0.0000	0.0000	0.0000	0.0000	0.00207	0.00207
35:52:00	0.0000	0.0000	0.0000	0.0000	0.00207	0.00207
36:00:00	0.0000	0.0000	0.0000	0.0000	0.00206	0.00206
36:08:00	0.0000	0.0000	0.0000	0.0000	0.00205	0.00205
36:16:00	0.0000	0.0000	0.0000	0.0000	0.00204	0.00204
36:24:00	0.0000	0.0000	0.0000	0.0000	0.00204	0.00204
36:32:00	0.0000	0.0000	0.0000	0.0000	0.00203	0.00203
36:40:00	0.0000	0.0000	0.0000	0.0000	0.00202	0.00202
36:48:00	0.0000	0.0000	0.0000	0.0000	0.00202	0.00202
36:56:00	0.0000	0.0000	0.0000	0.0000	0.00201	0.00201
37:04:00	0.0000	0.0000	0.0000	0.0000	0.002	0.002
37:12:00	0.0000	0.0000	0.0000	0.0000	0.002	0.002
37:20:00	0.0000	0.0000	0.0000	0.0000	0.00199	0.00199
37:28:00	0.0000	0.0000	0.0000	0.0000	0.00198	0.00198
37:36:00	0.0000	0.0000	0.0000	0.0000	0.00198	0.00198
37:44:00	0.0000	0.0000	0.0000	0.0000	0.00197	0.00197
37:52:00	0.0000	0.0000	0.0000	0.0000	0.00196	0.00196
38:00:00	0.0000	0.0000	0.0000	0.0000	0.00196	0.00196
38:08:00	0.0000	0.0000	0.0000	0.0000	0.00195	0.00195

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	0.00194	0.00194
38:24:00	0.0000	0.0000	0.0000	0.0000	0.00194	0.00194
38:32:00	0.0000	0.0000	0.0000	0.0000	0.00193	0.00193
38:40:00	0.0000	0.0000	0.0000	0.0000	0.00192	0.00192
38:48:00	0.0000	0.0000	0.0000	0.0000	0.00192	0.00192
38:56:00	0.0000	0.0000	0.0000	0.0000	0.00191	0.00191
39:04:00	0.0000	0.0000	0.0000	0.0000	0.0019	0.0019
39:12:00	0.0000	0.0000	0.0000	0.0000	0.0019	0.0019
39:20:00	0.0000	0.0000	0.0000	0.0000	0.00189	0.00189
39:28:00	0.0000	0.0000	0.0000	0.0000	0.00188	0.00188
39:36:00	0.0000	0.0000	0.0000	0.0000	0.00188	0.00188
39:44:00	0.0000	0.0000	0.0000	0.0000	0.00187	0.00187
39:52:00	0.0000	0.0000	0.0000	0.0000	0.00186	0.00186
40:00:00	0.0000	0.0000	0.0000	0.0000	0.00186	0.00186
40:08:00	0.0000	0.0000	0.0000	0.0000	0.00185	0.00185
40:16:00	0.0000	0.0000	0.0000	0.0000	0.00184	0.00184
40:24:00	0.0000	0.0000	0.0000	0.0000	0.00184	0.00184
40:32:00	0.0000	0.0000	0.0000	0.0000	0.00183	0.00183
40:40:00	0.0000	0.0000	0.0000	0.0000	0.00183	0.00183
40:48:00	0.0000	0.0000	0.0000	0.0000	0.00182	0.00182
40:56:00	0.0000	0.0000	0.0000	0.0000	0.00181	0.00181
41:04:00	0.0000	0.0000	0.0000	0.0000	0.00181	0.00181
41:12:00	0.0000	0.0000	0.0000	0.0000	0.0018	0.0018
41:20:00	0.0000	0.0000	0.0000	0.0000	0.0018	0.0018
41:28:00	0.0000	0.0000	0.0000	0.0000	0.00179	0.00179
41:36:00	0.0000	0.0000	0.0000	0.0000	0.00178	0.00178
41:44:00	0.0000	0.0000	0.0000	0.0000	0.00178	0.00178
41:52:00	0.0000	0.0000	0.0000	0.0000	0.00177	0.00177
42:00:00	0.0000	0.0000	0.0000	0.0000	0.00176	0.00176
42:08:00	0.0000	0.0000	0.0000	0.0000	0.00176	0.00176
42:16:00	0.0000	0.0000	0.0000	0.0000	0.00175	0.00175
42:24:00	0.0000	0.0000	0.0000	0.0000	0.00175	0.00175
42:32:00	0.0000	0.0000	0.0000	0.0000	0.00174	0.00174
42:40:00	0.0000	0.0000	0.0000	0.0000	0.00173	0.00173
42:48:00	0.0000	0.0000	0.0000	0.0000	0.00173	0.00173
42:56:00	0.0000	0.0000	0.0000	0.0000	0.00172	0.00172

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	0.00172	0.00172
43:12:00	0.0000	0.0000	0.0000	0.0000	0.00171	0.00171
43:20:00	0.0000	0.0000	0.0000	0.0000	0.00171	0.00171
43:28:00	0.0000	0.0000	0.0000	0.0000	0.0017	0.0017
43:36:00	0.0000	0.0000	0.0000	0.0000	0.00169	0.00169
43:44:00	0.0000	0.0000	0.0000	0.0000	0.00169	0.00169
43:52:00	0.0000	0.0000	0.0000	0.0000	0.00168	0.00168
44:00:00	0.0000	0.0000	0.0000	0.0000	0.00168	0.00168
44:08:00	0.0000	0.0000	0.0000	0.0000	0.00167	0.00167
44:16:00	0.0000	0.0000	0.0000	0.0000	0.00166	0.00166
44:24:00	0.0000	0.0000	0.0000	0.0000	0.00166	0.00166
44:32:00	0.0000	0.0000	0.0000	0.0000	0.00165	0.00165
44:40:00	0.0000	0.0000	0.0000	0.0000	0.00165	0.00165
44:48:00	0.0000	0.0000	0.0000	0.0000	0.00164	0.00164
44:56:00	0.0000	0.0000	0.0000	0.0000	0.00164	0.00164
45:04:00	0.0000	0.0000	0.0000	0.0000	0.00163	0.00163
45:12:00	0.0000	0.0000	0.0000	0.0000	0.00163	0.00163
45:20:00	0.0000	0.0000	0.0000	0.0000	0.00162	0.00162
45:28:00	0.0000	0.0000	0.0000	0.0000	0.00161	0.00161
45:36:00	0.0000	0.0000	0.0000	0.0000	0.00161	0.00161
45:44:00	0.0000	0.0000	0.0000	0.0000	0.0016	0.0016
45:52:00	0.0000	0.0000	0.0000	0.0000	0.0016	0.0016
46:00:00	0.0000	0.0000	0.0000	0.0000	0.00159	0.00159
46:08:00	0.0000	0.0000	0.0000	0.0000	0.00159	0.00159
46:16:00	0.0000	0.0000	0.0000	0.0000	0.00158	0.00158
46:24:00	0.0000	0.0000	0.0000	0.0000	0.00158	0.00158
46:32:00	0.0000	0.0000	0.0000	0.0000	0.00157	0.00157
46:40:00	0.0000	0.0000	0.0000	0.0000	0.00156	0.00156
46:48:00	0.0000	0.0000	0.0000	0.0000	0.00156	0.00156
46:56:00	0.0000	0.0000	0.0000	0.0000	0.00155	0.00155
47:04:00	0.0000	0.0000	0.0000	0.0000	0.00155	0.00155
47:12:00	0.0000	0.0000	0.0000	0.0000	0.00154	0.00154
47:20:00	0.0000	0.0000	0.0000	0.0000	0.00154	0.00154
47:28:00	0.0000	0.0000	0.0000	0.0000	0.00153	0.00153
47:36:00	0.0000	0.0000	0.0000	0.0000	0.00153	0.00153
47:44:00	0.0000	0.0000	0.0000	0.0000	0.00152	0.00152

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	0.00152	0.00152
48:00:00	0.0000	0.0000	0.0000	0.0000	0.00151	0.00151
48:08:00	0.0000	0.0000	0.0000	0.0000	0.00151	0.00151
48:16:00	0.0000	0.0000	0.0000	0.0000	0.0015	0.0015
48:24:00	0.0000	0.0000	0.0000	0.0000	0.0015	0.0015
48:32:00	0.0000	0.0000	0.0000	0.0000	0.00149	0.00149
48:40:00	0.0000	0.0000	0.0000	0.0000	0.00149	0.00149
48:48:00	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