

Summary of Thames Barrier Flood Defence Closures



001	01-Feb-83 HWL Southend: 3.75 mAOD	Surge: 0.80 mAOD	Total Closure Number: 6 River Flow: 250 cumec / 5000 mgd
002	26-Dec-85 HWL Southend: 3.05 mAOD	Surge: 0.55 mAOD	Total Closure Number: 43 River Flow: 350 cumec / 7000 mgd
003	29-Mar-87 HWL Southend: 3.60 mAOD	Surge: 0.50 mAOD	Total Closure Number: 58 River Flow: 200 cumec / 4000 mgd
004	24-Dec-88 HWL Southend: 3.85 mAOD	Surge: 1.05 mAOD	Total Closure Number: 78 River Flow: 50 cumec / 1000 mgd
005	12-Feb-90 HWL Southend: 3.66 mAOD	Surge: 0.70 mAOD	Total Closure Number: 93 River Flow: 350 cumec / 7000 mgd
006	27-Feb-90 HWL Southend: 3.39 mAOD	Surge: 0.40 mAOD	Total Closure Number: 95 River Flow: 200 cumec / 4000 mgd
007	28-Feb-90 HWL Southend: 3.59 mAOD	Surge: 0.55 mAOD	Total Closure Number: 96 River Flow: 150 cumec / 3000 mgd
008	02-Mar-90 HWL Southend: 3.64 mAOD	Surge: 0.78 mAOD	Total Closure Number: 97 River Flow: 150 cumec / 3000 mgd
009	19-Sep-90 HWL Southend: 3.65 mAOD	Surge: 0.65 mAOD	Total Closure Number: 100 River Flow: 50 cumec / 1000 mgd
010	07-Oct-90 HWL Southend: 3.73 mAOD	Surge: 0.53 mAOD	Total Closure Number: 101 River Flow: 50 cumec / 1000 mgd
011	25-Oct-92 HWL Southend: 3.59 mAOD	Surge: 0.50 mAOD	Total Closure Number: 126 River Flow: 100 cumec / 2000 mgd
012	11-Jan-93 HWL Southend: 3.83 mAOD	Surge: 0.60 mAOD	Total Closure Number: 129 River Flow: 300 cumec / 6000 mgd
013	25-Jan-93 HWL Southend: 3.84 mAOD	Surge: 1.14 mAOD	Total Closure Number: 130 River Flow: 200 cumec / 4000 mgd
014	21-Feb-93 HWL Southend: 3.72 mAOD	Surge: 1.20 mAOD	Total Closure Number: 131 River Flow: 100 cumec / 2000 mgd
015	13-Oct-93 HWL Southend: 3.41 mAOD	Surge: 0.51 mAOD	Total Closure Number: 139 River Flow: 300 cumec / 6000 mgd

016	14-Oct-93 HWL Southend: 3.41 mAOD	Surge: 0.46 mAOD	Total Closure Number: 140 River Flow: 250 cumec / 5000 mgd
017	15-Oct-93 HWL Southend: 3.38 mAOD	Surge: 0.28 mAOD	Total Closure Number: 141 River Flow: 300 cumec / 6000 mgd
018	16-Oct-93 HWL Southend: 3.42 mAOD	Surge: 0.12 mAOD	Total Closure Number: 142 River Flow: 250 cumec / 5000 mgd
019	14-Nov-93 HWL Southend: 3.88 mAOD	Surge: 0.87 mAOD	Total Closure Number: 144 River Flow: 150 cumec / 3000 mgd
020	13-Dec-93 HWL Southend: 3.90 mAOD	Surge: 1.00 mAOD	Total Closure Number: 146 River Flow: 150 cumec / 3000 mgd
021	28-Jan-94 HWL Southend: 3.83 mAOD	Surge: 1.03 mAOD	Total Closure Number: 148 River Flow: 150 cumec / 3000 mgd
022	01-Jan-95 HWL Southend: 3.60 mAOD	Surge: 0.81 mAOD	Total Closure Number: 161 River Flow: 200 cumec / 4000 mgd
023	01-Feb-95 HWL Southend: 3.61 mAOD	Surge: 0.51 mAOD	Total Closure Number: 163 River Flow: 350 cumec / 7000 mgd
024	01-Feb-95 HWL Southend: 3.49 mAOD	Surge: 0.49 mAOD	Total Closure Number: 164 River Flow: 350 cumec / 7000 mgd
025	02-Feb-95 HWL Southend: 3.20 mAOD	Surge: 0.10 mAOD	Total Closure Number: 165 River Flow: 400 cumec / 8000 mgd
026	23-Dec-95 HWL Southend: 3.79 mAOD	Surge: 0.69 mAOD	Total Closure Number: 177 River Flow: 250 cumec / 5000 mgd
027	19-Feb-96 HWL Southend: 3.71 mAOD	Surge: 0.51 mAOD	Total Closure Number: 180 River Flow: 100 cumec / 2000 mgd
028	19-Feb-96 HWL Southend: 3.96 mAOD	Surge: 0.68 mAOD	Total Closure Number: 181 River Flow: 100 cumec / 2000 mgd
029	20-Feb-96 HWL Southend: 3.52 mAOD	Surge: 0.22 mAOD	Total Closure Number: 182 River Flow: 100 cumec / 2000 mgd
030	29-Oct-96 HWL Southend: 3.98 mAOD	Surge: 1.08 mAOD	Total Closure Number: 191 River Flow: 50 cumec / 1000 mgd
031	28-Feb-98 HWL Southend: 3.84 mAOD	Surge: 0.50 mAOD	Total Closure Number: 208 River Flow: 50 cumec / 1000 mgd

032	08-Oct-98 HWL Southend: 3.75 mAOD	Surge:0.35 mAOD	Total Closure Number: 216 River Flow: 52 cumec / 1000 mgd
033	06-Nov-98 HWL Southend: 3.65 mAOD	Surge:0.24 mAOD	Total Closure Number: 218 River Flow: 210 cumec / 4000 mgd
034	03-Dec-99 HWL Southend: 3.43 mAOD	Surge:0.96 mAOD	Total Closure Number: 232 River Flow: 52 cumec / 1000 mgd
035	25-Dec-99 HWL Southend: 3.51 mAOD	Surge:0.26 mAOD	Total Closure Number: 234 River Flow: 300 cumec / 6000 mgd
036	26-Dec-99 HWL Southend: 3.43 mAOD	Surge:0.46 mAOD	Total Closure Number: 235 River Flow: 300 cumec / 6000 mgd
037	26-Dec-99 HWL Southend: 3.50 mAOD	Surge:0.36 mAOD	Total Closure Number: 236 River Flow: 300 cumec / 6000 mgd
038	27-Dec-99 HWL Southend: 3.23 mAOD	Surge:0.40 mAOD	Total Closure Number: 237 River Flow: 370 cumec / 7000 mgd
039	27-Dec-99 HWL Southend: 3.25 mAOD	Surge:0.30 mAOD	Total Closure Number: 238 River Flow: 370 cumec / 7000 mgd
040	13-Nov-00 HWL Southend: 3.27 mAOD	Surge:0.25 mAOD	Total Closure Number: 249 River Flow: 300 cumec / 6000 mgd
041	11-Dec-00 HWL Southend: 3.46 mAOD	Surge:0.48 mAOD	Total Closure Number: 250 River Flow: 390 cumec / 7800 mgd
042	12-Dec-00 HWL Southend: 3.37 mAOD	Surge:0.27 mAOD	Total Closure Number: 251 River Flow: 400 cumec / 7900 mgd
043	13-Dec-00 HWL Southend: 3.39 mAOD	Surge:0.22 mAOD	Total Closure Number: 252 River Flow: 360 cumec / 7200 mgd
044	14-Dec-00 HWL Southend: 3.50 mAOD	Surge:0.56 mAOD	Total Closure Number: 253 River Flow: 400 cumec / 8000 mgd
045	14-Dec-00 HWL Southend: 3.52 mAOD	Surge:0.37 mAOD	Total Closure Number: 254 River Flow: 425 cumec / 8500 mgd
046	15-Dec-00 HWL Southend: 3.40 mAOD	Surge:0.57 mAOD	Total Closure Number: 255 River Flow: 429 cumec / 8280 mgd
047	15-Dec-00 HWL Southend: 3.60 mAOD	Surge:0.57 mAOD	Total Closure Number: 256 River Flow: 429 cumec / 8249 mgd

048	16-Dec-00 HWL Southend: 3.08 mAOD	Surge: 0.39 mAOD	Total Closure Number: 257 River Flow: 380 cumec / 7665 mgd
049	16-Dec-00 HWL Southend: 3.15 mAOD	Surge: 0.31 mAOD	Total Closure Number: 258 River Flow: 360 cumec / 7335 mgd
050	10-Jan-01 HWL Southend: 3.46 mAOD	Surge: 0.50 mAOD	Total Closure Number: 259 River Flow: 205 cumec / 3900 mgd
051	11-Jan-01 HWL Southend: 3.63 mAOD	Surge: 0.44 mAOD	Total Closure Number: 260 River Flow: 211 cumec / 4000 mgd
052	08-Feb-01 HWL Southend: 3.80 mAOD	Surge: 0.75 mAOD	Total Closure Number: 261 River Flow: 381 cumec / 7200 mgd
053	08-Feb-01 HWL Southend: 3.32 mAOD	Surge: 0.35 mAOD	Total Closure Number: 262 River Flow: 403 cumec / 7700 mgd
054	09-Feb-01 HWL Southend: 3.32 mAOD	Surge: 0.07 mAOD	Total Closure Number: 263 River Flow: 404 cumec / 7700 mgd
055	09-Feb-01 HWL Southend: 3.08 mAOD	Surge: -0.01 mAOD	Total Closure Number: 264 River Flow: 400 cumec / 8000 mgd
056	10-Feb-01 HWL Southend: 3.10 mAOD	Surge: -0.22 mAOD	Total Closure Number: 265 River Flow: 355 cumec / 6800 mgd
057	11-Feb-01 HWL Southend: 3.09 mAOD	Surge: -0.16 mAOD	Total Closure Number: 266 River Flow: 315 cumec / 6300 mgd
058	12-Feb-01 HWL Southend: 3.78 mAOD	Surge: 0.71 mAOD	Total Closure Number: 267 River Flow: 255 cumec / 5100 mgd
059	10-Mar-01 HWL Southend: 3.65 mAOD	Surge: 0.37 mAOD	Total Closure Number: 268 River Flow: 146 cumec / 2800 mgd
060	11-Mar-01 HWL Southend: 3.71 mAOD	Surge: 0.46 mAOD	Total Closure Number: 269 River Flow: 148 cumec / 2800 mgd
061	12-Mar-01 HWL Southend: 3.51 mAOD	Surge: 0.28 mAOD	Total Closure Number: 270 River Flow: 177 cumec / 3362 mgd
062	13-Mar-01 HWL Southend: 3.59 mAOD	Surge: 0.56 mAOD	Total Closure Number: 271 River Flow: 174 cumec / 3300 mgd
063	10-Apr-01 HWL Southend: 3.38 mAOD	Surge: 0.26 mAOD	Total Closure Number: 272 River Flow: 279 cumec / 5300 mgd

064	17-Sep-01 HWL Southend: 3.77 mAOD	Surge:0.43 mAOD	Total Closure Number: 278 River Flow: 16 cumec / 320 mgd
065	31-Jan-02 HWL Southend: 3.47 mAOD	Surge:0.27 mAOD	Total Closure Number: 283 River Flow: 50 cumec / 4000 mgd
066	01-Mar-02 HWL Southend: 3.62 mAOD	Surge:0.29 mAOD	Total Closure Number: 285 River Flow: 210 cumec / 4020 mgd
067	27-Apr-02 HWL Southend: 3.51 mAOD	Surge:0.29 mAOD	Total Closure Number: 288 River Flow: 33 cumec / 625 mgd
068	07-Nov-02 HWL Southend: 3.43 mAOD	Surge:0.13 mAOD	Total Closure Number: 295 River Flow: 120 cumec / 2278 mgd
069	01-Jan-03 HWL Southend: 3.36 mAOD	Surge:0.69 mAOD	Total Closure Number: 298 River Flow: 425 cumec / 8071 mgd
070	02-Jan-03 HWL Southend: 3.40 mAOD	Surge:0.63 mAOD	Total Closure Number: 299 River Flow: 441 cumec / 8376 mgd
071	03-Jan-03 HWL Southend: 3.44 mAOD	Surge:0.68 mAOD	Total Closure Number: 300 River Flow: 471 cumec / 8946 mgd
072	03-Jan-03 HWL Southend: 3.46 mAOD	Surge:0.57 mAOD	Total Closure Number: 301 River Flow: 466 cumec / 8845 mgd
073	04-Jan-03 HWL Southend: 3.32 mAOD	Surge:0.54 mAOD	Total Closure Number: 302 River Flow: 451 cumec / 8561 mgd
074	04-Jan-03 HWL Southend: 3.37 mAOD	Surge:0.44 mAOD	Total Closure Number: 303 River Flow: 449 cumec / 8521 mgd
075	05-Jan-03 HWL Southend: 3.01 mAOD	Surge:0.27 mAOD	Total Closure Number: 304 River Flow: 440 cumec / 8352 mgd
076	05-Jan-03 HWL Southend: 3.24 mAOD	Surge:0.35 mAOD	Total Closure Number: 305 River Flow: 425 cumec / 8069 mgd
077	06-Jan-03 HWL Southend: 3.13 mAOD	Surge:0.49 mAOD	Total Closure Number: 306 River Flow: 421 cumec / 7989 mgd
078	06-Jan-03 HWL Southend: 3.25 mAOD	Surge:0.49 mAOD	Total Closure Number: 307 River Flow: 420 cumec / 7977 mgd
079	07-Jan-03 HWL Southend: 2.95 mAOD	Surge:0.43 mAOD	Total Closure Number: 308 River Flow: 420 cumec / 7973 mgd

080	07-Jan-03 HWL Southend: 2.86 mAOD	Surge:0.28 mAOD	Total Closure Number: 309 River Flow: 411 cumec / 7802 mgd
081	08-Jan-03 HWL Southend: 2.79 mAOD	Surge:0.41 mAOD	Total Closure Number: 310 River Flow: 402 cumec / 7631 mgd
082	08-Jan-03 HWL Southend: 2.81 mAOD	Surge:0.44 mAOD	Total Closure Number: 311 River Flow: 383 cumec / 7270 mgd
083	21-Jan-03 HWL Southend: 3.16 mAOD	Surge:0.24 mAOD	Total Closure Number: 312 River Flow: 311 cumec / 5900 mgd
084	22-Jan-03 HWL Southend: 3.17 mAOD	Surge:0.41 mAOD	Total Closure Number: 313 River Flow: 320 cumec / 6068 mgd
085	22-Jan-03 HWL Southend: 3.11 mAOD	Surge:0.24 mAOD	Total Closure Number: 314 River Flow: 363 cumec / 6879 mgd
086	23-Jan-03 HWL Southend: 3.11 mAOD	Surge:0.40 mAOD	Total Closure Number: 315 River Flow: 364 cumec / 6904 mgd
087	23-Jan-03 HWL Southend: 3.06 mAOD	Surge:0.33 mAOD	Total Closure Number: 316 River Flow: 371 cumec / 7047 mgd
088	22-Feb-04 HWL Southend: 3.94 mAOD	Surge:0.91 mAOD	Total Closure Number: 330 River Flow: 59 cumec / 1127 mgd
089	12-Nov-04 HWL Southend: 3.88 mAOD	Surge:0.92 mAOD	Total Closure Number: 339 River Flow: 48 cumec / 911 mgd
090	13-Feb-05 HWL Southend: 3.53 mAOD	Surge:0.68 mAOD	Total Closure Number: 344 River Flow: 47 cumec / 882 mgd
091	14-Feb-05 HWL Southend: 3.06 mAOD	Surge:0.25 mAOD	Total Closure Number: 345 River Flow: 46 cumec / 876 mgd
092	08-Apr-05 HWL Southend: 3.61 mAOD	Surge:0.53 mAOD	Total Closure Number: 347 River Flow: 49 cumec / 900 mgd
093	16-Dec-05 HWL Southend: 3.34 mAOD	Surge:0.71 mAOD	Total Closure Number: 357 River Flow: 11 cumec / 211 mgd
094	17-Dec-05 HWL Southend: 3.24 mAOD	Surge:0.55 mAOD	Total Closure Number: 358 River Flow: 19 cumec / 355 mgd
095	28-Feb-06 HWL Southend: 3.62 mAOD	Surge:0.45 mAOD	Total Closure Number: 361 River Flow: 32 cumec / 609 mgd

096	18-Jan-07 HWL Southend: 3.76 mAOD	Surge:1.25 mAOD	Total Closure Number: 372 River Flow: 269 cumec / 5100 mgd
097	21-Jan-07 HWL Southend: 3.72 mAOD	Surge:0.73 mAOD	Total Closure Number: 373 River Flow: 264 cumec / 5000 mgd
098	22-Jan-07 HWL Southend: 4.04 mAOD	Surge:1.03 mAOD	Total Closure Number: 374 River Flow: 237 cumec / 4500 mgd
099	03-Mar-07 HWL Southend: 3.21 mAOD	Surge:0.52 mAOD	Total Closure Number: 376 River Flow: 240 cumec / 4500 mgd
100	18-Mar-07 HWL Southend: 3.75 mAOD	Surge:0.81 mAOD	Total Closure Number: 377 River Flow: 120 cumec / 2300 mgd
101	18-Mar-07 HWL Southend: 3.50 mAOD	Surge:0.64 mAOD	Total Closure Number: 378 River Flow: 110 cumec / 2100 mgd
102	19-Mar-07 HWL Southend: 3.55 mAOD	Surge:0.40 mAOD	Total Closure Number: 379 River Flow: 111 cumec / 2100 mgd
103	20-Mar-07 HWL Southend: 3.77 mAOD	Surge:0.54 mAOD	Total Closure Number: 380 River Flow: 120 cumec / 2300 mgd
104	08-Nov-07 HWL Southend: 3.67 mAOD	Surge:1.04 mAOD	Total Closure Number: 388 River Flow: 32 cumec / 600 mgd
105	09-Nov-07 HWL Southend: 3.47 mAOD	Surge:0.81 mAOD	Total Closure Number: 389 River Flow: 32 cumec / 600 mgd
106	25-Nov-07 HWL Southend: 3.84 mAOD	Surge:0.69 mAOD	Total Closure Number: 390 River Flow: 132 cumec / 2500 mgd
107	24-Jan-08 HWL Southend: 3.29 mAOD	Surge:0.85 mAOD	Total Closure Number: 393 River Flow: 250 cumec / 4800 mgd
108	21-Mar-08 HWL Southend: 3.59 mAOD	Surge:0.72 mAOD	Total Closure Number: 396 River Flow: 214 cumec / 4100 mgd
109	22-Mar-08 HWL Southend: 3.64 mAOD	Surge:0.78 mAOD	Total Closure Number: 397 River Flow: 200 cumec / 3600 mgd
110	10-Feb-09 HWL Southend: 3.76 mAOD	Surge:0.61 mAOD	Total Closure Number: 408 River Flow: 350 cumec / 7000 mgd
111	11-Feb-09 HWL Southend: 3.18 mAOD	Surge:-0.02 mAOD	Total Closure Number: 409 River Flow: 400 cumec / 7600 mgd

112	11-Feb-09 HWL Southend: 3.19 mAOD	Surge: 0.12 mAOD	Total Closure Number: 410 River Flow: 350 cumec / 7000 mgd
113	12-Feb-09 HWL Southend: 3.07 mAOD	Surge: -0.06 mAOD	Total Closure Number: 411 River Flow: 350 cumec / 7000 mgd
114	13-Feb-09 HWL Southend: 3.00 mAOD	Surge: 0.04 mAOD	Total Closure Number: 412 River Flow: 304 cumec / 6000 mgd
115	28-Feb-10 HWL Southend: 3.44 mAOD	Surge: 0.36 mAOD	Total Closure Number: 425 River Flow: 192 cumec / 3663 mgd
116	28-Feb-10 HWL Southend: 3.23 mAOD	Surge: 0.22 mAOD	Total Closure Number: 426 River Flow: 260 cumec / 5000 mgd
117	01-Mar-10 HWL Southend: 3.52 mAOD	Surge: 0.26 mAOD	Total Closure Number: 427 River Flow: 283 cumec / 5400 mgd
118	01-Mar-10 HWL Southend: 3.22 mAOD	Surge: 0.03 mAOD	Total Closure Number: 428 River Flow: 305 cumec / 5700 mgd
119	02-Mar-10 HWL Southend: 3.45 mAOD	Surge: 0.15 mAOD	Total Closure Number: 429 River Flow: 309 cumec / 5900 mgd

mAOD = metres above Ordnance Data Newlyn - the mean tide level in metres, against which tides are measured

FD = Flood Defence

HWL = High water level

cumec = cubic metres per second

mgd = million gallons per day

As of February 2012, the Thames Barrier has now been closed 451 times, 119 of which have been to protect London from flooding since the barrier became operational in 1982. 78 of the closures were for tidal surge conditions and 41 to prevent rainfall / fluvial flooding. In addition to these one closure was initiated to assist with salvage work on the Marchioness and one for repair works following the Sand Kite incident. The other occasions were monthly closures, for experiments and tests.