

RAINFALL AT Hampton Southwark & Wanstead Waterworks

Lat.

Long.

County of

Middlesex

Rain Gauge, by

Observer

J.W. Peckler Esq C.E.1-Shanes - Colne Burn Sc.

Diameter	5										
Height	3 0	10								2 0	
Altitude	33										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	1.37	1.70	.24	1.15	2.59	.98	.45	1.64	.76	2.03	1.301
February62	.00	.84	2.17	1.19	.10	.21	1.30	.91	1.83	.917
March	1.16	1.51	2.08	.15	.75	.96	2.58	3.21	.95	.29	1.364
April	1.36	.82	.72	.01	1.74	1.51	.44	1.65	.91	1.92	1.108
May	1.40	2.29	.98	1.14	1.32	.47	.95	1.38	2.28	1.14	1.335
June	3.04	1.36	2.21	.71	1.94	.16	1.10	3.88	1.05	1.15	1.660
July	4.10	3.04	1.66	1.55	3.42	3.81	1.27	1.28	.38	.80	2.131
August	1.52	3.40	2.86	1.19	2.39	2.62	2.74	2.55	1.23	.27	2.077
September95	.93	2.10	.73	.96	1.03	5.80	1.78	.44	2.41	1.713
October78	5.17	2.94	3.48	3.78	2.55	2.25	.71	3.05	1.67	2.638
November	1.24	1.75	2.42	1.66	2.85	2.83	1.07	.67	2.06	3.61	2.016
December	(.52)	2.58	1.00	1.69	1.60	1.94	2.81	1.78	2.11	1.06	(1.709)
TOTALS	(18.06)	24.55	20.15	15.63	24.53	18.96	21.67	21.83	16.13	18.18	(19.969)

1890 Unreliable, is not properly measured

N.B. Rejected from Survey as 2° low.

RAINFALL AT Hampton Southwark W. Wake

Lat.

Lon.

County of Middlesex

Rain Gauge, by

1 - Thames, Colne & Bure.

Observer, J. W. Lester, Esq., C.E.

Metropolitan Water Board

Diameter	5	July 1909								
Height	20	August 1909								
Altitude		September 1909								
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	MEANS.
January	2.64	.60	.53	2.44	2.17	.85	2.84	.50	1.07	
February	3.06	.90	.66	.78	1.99	.56	1.38	.95	.77	
March	.89	1.50	1.63	1.98	.90	2.88	.81	.48	2.02	
April	.69	1.53	.52	1.71	.78	1.29	.24	2.90	2.09	
May	1.24	.31	1.94	2.08	2.00	.40	1.93	1.68	1.44	
June	2.09	1.28	3.52	6.32	.68	4.53	2.81	1.80	2.37	
July	1.20	2.62	1.23	3.67	1.88	.65	.61	1.05	2.35	
August	2.50	1.76	3.61	3.55	.88	2.42	.81	2.05	2.93	
September	.69	1.03	2.52	2.20	1.43	1.61	2.20	.41	(1.50)	
October	1.36	1.34	1.16	5.96	1.45	1.21	2.98	3.55	2.21	
November	1.76	.46	1.82	1.65	1.30	2.55	3.37	1.96		
December	1.54	2.46	1.23	1.19	1.69	.55	1.53	2.69		
TOTALS	19.66	15.79	19.97	33.53	17.10	19.50	20.96	20.02		

N.B. Rejected from Survey as 2^o low.

+ Inspected

RAINFALL AT

Hampton

Lat.

Lon.

County of Middlesex

1 - Thomas - Some Glazier Rain Gauge, by Elliott Bros.
at Bexley
Glass apparently accurate.

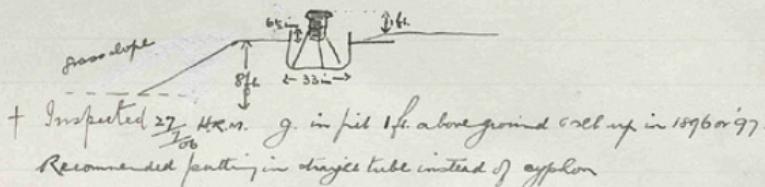
Observer Mel Walter Board

K F Rutherford C.L.

Diameter ..							8			
Height ..							13			
Altitude ..							416			
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909 MEANS.
January ..							3.30	.62	1.84	.96
February ..							1.76	1.26	.89	.43
March							1.14	.86	2.37	2.91
April40	3.46	2.58	1.39
May							2.34	1.73	1.78	1.49
June							2.53	2.15	2.41	4.08
July93	1.39	2.53	3.36
August							1.07	2.15	2.90	1.70
September ..							2.80	.51	1.49	2.32
October....							3.42	3.87	2.37	3.24
November ..							4.00	1.94	.63	.74
December ..							1.92	2.79	1.99	2.30
TOTALS ..							25.11	22.73	23.78	24.92

1906 Hampton Parish Ch 970 yards E
 Station L.P.W.P. 340 .. NE
 Shrubbs 6 ft high 44 ft N

Annual average = 22.7 used in London Survey.



RAINFALL at HamptonCounty of MiddlesexObserver Met. Water Board

H.B. Stane C.E.

River Basin Thames Colne & BrentRain Gauge, by Elliott Bros

Diameter ...	8										
Height	1.0										
Altitude ...	42 ft								50		
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	1.42	1.07	3.33	2.28	.51	3.63	.87	1.04	2.67	3.28	
February ...	2.22	1.04	1.43	.82	2.29	3.06	3.05	.82	.75	1.96	
March97	1.55	2.23	2.27	4.08	.68	4.54	1.74	.88	2.97	
April	1.12	1.94	.13	2.31	.68	1.17	1.07	1.60	2.95	2.56	
May	1.74	1.79	1.21	1.89	1.20	3.12	1.95	1.55	1.77	.14	
June	2.40	1.90	3.15	.27	3.78	1.32	1.79	2.92	.80	1.27	
July	2.81	.98	1.63	2.10	2.12	3.34	1.46	5.49	4.64	2.53	
August	1.86	.81	4.90	1.44	1.42	2.14	3.12	3.52	.87	2.14	
September ..	.79	1.19	2.29	1.76	.82	2.19	1.59	1.71	5.27	1.49	
October ...	2.62	2.95	2.20	3.90	1.29	2.80	3.50	2.85	1.13	.65	
November ..	2.67	3.10	1.61	1.96	2.27	1.88	3.22	.92	1.90	1.81	
December ...	2.81	4.28	2.36	.99	5.66	5.07	2.21	1.25	2.12	3.12	
TOTALS ...	23.38	22.60	26.47	21.99	26.12	30.40	28.37	25.41	25.75	23.42	

1910 Collage 20 ft high 40 gds 7W
20 S

+ Inspected Annual average = 22.7 used in London Survey.

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1910			Hampton 350 yds	WNE		Hampton	1/2 mile	E

RAINFALL at Hampton

County of Middlesex

Observer Met. Water Board H.B.W. Stein-Lee

River Basin Thames, Colne & Brent-1

Crowdson (1925) Insulated by Bassella 26

Stancher Rain Gauge, by Elliott Bros

old glass tube testing
2. on tripod surrounded 3 ft. from pipe 1 ft. high & new b. recommended

class	.06	= .017	.275	.278
.30	= .038	.310	.318	
.082	= .082	.50	.50	
.180	= .182	Spare		
.20	= .205			
.50	= .518			

with glass tube replaced VI.22

Diameter ...	8									MEANS.
Height	1	0	2	6	1	0				
Altitude ...	50									
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929
January ...	1.64	1.84	1.98	1.14	2.44					
February ...	1.37	2.25	1.64	2.61	1.65					
March	1.00	1.17	1.48	2.13	1.75					
April.....	2.47	.81	2.51	1.70	3.48					
May64	1.22	1.07	2.37	3.02					
June	1.79	.94	.97	.26	2.85					
July	4.52	.08	2.79	3.19	3.62					
August	1.59	.90	2.19	1.38	2.42					
September...	2.32	1.87	1.43	1.43	3.49					See next page.
October.....	1.97	.69	.90	5.37	3.35					
November...	1.22	1.77	1.17	1.40	2.49					
December...	1.83	1.01	2.79	2.12	2.83					
TOTALS...	21.36	11.95	20.92	25.10	31.39					
	D	D	D	D	D					

1920 1400cc 20 ft high 347 ds N

Expected to 28.VI.22. S. at top of bank of reservoir, dropping 15 ft
immediately on S. Trees 60 ft. high 80 yrs N.E. edge 6 ft. high
10 yds N.

Annual average = 22.7 used in London Survey.

New position selected - two gauges to be read conveniently for a few miles.
now at close to Staines Mill Res. close to Refletham - good reading 21.22.

Expected to 28.VI.22. New site above. Old station & old of the reading is adopted

Expected to 28.VI.22. New site above.

Position of Station on reduced Ordnance Survey Map, 2 miles to 1 inch Series

No. of Map

Reference No.

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge
1920			Hampton	1/4 mi	N E	Hampton	1/2 mi	E

RAINFALL at Hampton W.W.

County of Middlesex Observer Met. Weather Board
 River Basin Thames-Colne & Brent (UP RIVER DIVISION)

Insulated Standard Rain Gauge, by Breslau
Endscovert K. 16

2 Banded measures (tested & certified) K. 16

New Gauge

Diameter ...					5"					
Height					1.0					
Altitude ...					27					
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929
January ...					2.43	1.73	2.61	1.79	2.99	1.00
February58	3.39	2.03	3.71	1.46	.35
March75	.42	.16	2.51	1.21	.05
April					3.44	1.78	2.54	1.55	1.25	.87
May					3.02	2.03	1.58	1.32	2.42	1.14
June					2.82	.04	3.58	2.66	2.08	.81
July					3.54	3.47	1.62	2.92	2.00	1.41
August					2.28	2.53	.95	3.01	2.45	1.85
September...	<i>See previous page.</i>				3.44	2.38	1.02	4.48	.89	.10
October.....					3.35	2.68	1.96	1.23	3.83	2.64
November...					2.49	1.63	4.90	2.72	1.74	5.40
December...					2.83	2.62	.26	3.76	2.23	4.42
TOTALS...					30.97	24.70	23.21	31.66	24.56	20.04
					D	D	D	D	D	D

Inspected 1st Feb. 1926. G. on top of large closed in reservoir with embankment along some 4 ft up all round excellent exposure.

Annual Average = 22.7 used in London Survey.

Position of Station on reduced Ordnance Survey Map, 2 miles to 1 inch Series } No. of Map _____ Reference No. _____

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge	Direction
1922/6			Hampton	1/4 m.	N.E.	Hampton	1/2 m.	E.

RAINFALL at Hampton Waterworks.County of Middlesex.Observer Met. Water Board.River Basin Thames - Colne & Brent - 1.

Type of Gauge.....

Annual Average 22.7 in. based on 27 years obs. un-weighted. Period of average 1881-1915 Ref. S.

883892/28

Diameter	5'											
Height		1.0.										
Altitude		27.										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	
January	1.18	1.52	1.29	1.28	.84	3.77	3.60	2.19	3.33	1.90	20.90	
February	1.54	.15	2.70	.20	2.08	1.62	3.61	.30	.61	1.05	13.86	
March	.19	1.26	2.45	2.04	.24	1.02	2.80	.24	.73	2.18	13.15	
April	3.61	2.35	.53	1.84	2.60	1.65	1.84	.05	1.79	1.49	17.78	
May	2.52	4.87	2.10	.47	1.28	.59	2.15	1.33	1.37	1.14	17.82	
June	1.38	.96	1.83	.66	3.13	3.33	2.35	.50	1.22	.51	15.31	
July	3.00	2.11	2.09	2.40	1.69	2.59	.69	1.10	1.60	2.18	19.45	
August	4.31	.82	.55	1.91	2.37	.46	2.44	1.88	1.87	.09	16.70	
September	2.09	2.13	2.31	1.29	3.15	2.17	1.47	2.03	.94	1.13	18.71	
October	.64	4.80	1.35	1.01	2.30	1.87	2.38	1.96	4.31	1.80	22.41	
November	2.30	1.18	.77	1.86	4.40	2.72	1.38	2.35	4.14	5.18	26.28	
December	.54	.47	.45	4.17	2.21	1.73	4.19	2.65	.78	.61	17.80	
TOTALS	23.30	22.62	17.92	19.16	26.29	23.52	28.90	16.58	22.64	19.26	22.05	14

Inst. 6/3/15: good measure satisfactory. Excellent Exposure. g. should be read at 9 a.m. g.M.T. throughout year.

1940 Jan. adj. for snow.

1940 np. low.

Position of Station on reduced Ordnance Survey Map, } No. of Map..... Reference No.....
1 mile to 1 inch Series

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge

BRITISH RAINFALL ORGANIZATION, EXHIBITION ROAD, LONDON, S.W.7.

RAINFALL at Hampton Waterworks

41

County of Middlesex..... Observer Met. Water Board.....

River Basin Thames below T. Brent. I.....

Type of Gauge.....

Annual Average 22.5 in. based on 27 years obs. un-weighted. Period of average 1.8.3.1 - 1.9.15. Ref. S.

File No. 833.892/28

Diameter	15"											
Height	1' 0"											
Altitude	27'											
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	
January	2.05	1.67	4.30	1.34	1.40							
February	1.65	55	1.18	.60	1.23							
March	2.79	1.48	.31	.06	.89							
April	1.22	.71	.58	1.22	1.13							
May	1.18	2.63	1.49	.72	2.14							
June	1.66	1.86	1.02	1.52	1.15							
July	2.93	1.68	1.86	2.08	3.30							
August	4.40	2.26	1.06	2.18	1.34	#						
September	.40	.61	1.61	1.85								
October	.75	3.28	2.39	2.41								
November	2.33	1.98	1.04	3.25								
December	1.03	2.02	1.22	1.01								
TOTALS	22.39 mp	20.03 mp	18.06 mpd	18.24 mp	imp.							

1941. n.p. low.

1942. n.p. low. gauge repaired 5/42.

1943. n.p. low.

1944. n.p. low. (see 833/1)

Position of Station on reduced Ordnance Survey Map, | No. of Map..... Reference No.....
1 mile to 1 inch Series

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge.

RAINFALL at Hampton Waterworks (new gauge)

41

County of Middlesex Observer Met. Water Board

River Basin Thames, Colne & Brent.

Type of Gauge M.O.

Annual Average 22.7 in. based on 27 years obs. un-weighted. Period of average 1881-1915 Ref S.

File No. 883892/28

Diameter	264	152	5							5"	
Height			12.0				10			10"	
Altitude			4145							391	
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January				1.41	1.51	1.46	1.49	3.43	1.06	.75	
February				.61	1.25	2.23	1.18	1.28	.76	3.30	
March				.09	.91	1.12	4.38	.46	1.00	.60	
April				1.27	1.24	2.48	1.33	1.36	1.46	2.80	
May				.78	2.00	2.90	1.71	2.06	2.63	1.40	
June				1.61	1.33	2.71	2.65	1.82	.57	3.67	
July				2.21	3.30	2.37	2.57	.86	2.03	3.29	
August				2.29	1.37	4.05	.74	3.08	1.64	1.71	
September				1.95	1.92	2.99	.95	1.22	.40	2.54	
October				2.59	2.23	1.13	.14	2.13	4.96	.33	
November				3.42	.36	3.43	1.09	1.46	2.01	1.75	
December				1.16	2.97	2.04	2.49	2.14	1.38	1.45	
TOTALS				19.39	20.39	28.91	20.72	21.30	19.90	26.59	

Gauge set up about 200 yds. NW. of old Hampton W.W. now - gauge adapted for new site.

1946 trees 40ft. high, 50ft. S. Building 25ft. high 40ft. W. Bank 8ft. high 30ft. N.

To become climate station probably in 1948 - 1/2 in/yr

Position of Station on reduced Ordnance Survey Map, 1 mile to 1 inch Series No. of Map..... Reference No.....

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge
1946			Hampton	1.100 ft. N.W.		Hampton	1.800 ft. E

Station No. 8221
M.W.R. (1950)RAINFALL at Hampton (Waterworks) Flow GaugeCounty of MiddlesexObserver Met. Water Board (T.F.86)River Basin Thames - Colne & Brent.Type of Gauge M.O. (+A)

Annual Average 22.7 in. based on 27 years obs. un-weighted. Period of average 1881-1915 Ref. S
 " " 23.12 " 13 " 1944-56 " " " 1916-1950 File No. E3466/16
23.24 " 13 " 1944-56 " " " 1916-1950 File No. E3466/16

Diameter ...	5"			264	152						
Height ...	1' 0"					1					
Altitude ...	39'					51					
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January	2.92	1.66	.80	1.03	2.13	3.65	1.51	1.91	1.95	1.85	19.41
February	5.04	.80	1.03	2.05	1.28	.22	2.76	2.15	.06	1.66	17.05
March	2.75	2.84	.39	1.93	.90	.50	.93	1.06	1.75	1.52	14.57
April	2.38	1.21	2.07	.26	.23	1.03	.29	1.01	2.02	.61	11.11
May	2.02	1.94	1.33	1.72	3.44	.17	1.44	2.34	.99	1.87	17.26
June	.83	1.98	1.47	4.25	2.48	1.83	.72	3.36	.97	1.68	19.77
July	1.33	.52	3.54	2.25	.31	5.15	2.98	2.31	1.80	3.69	23.88
August	2.89	4.00	1.35	3.38	.77	2.65	1.65	3.08	1.26	2.41	26.44
September	2.08	3.14	1.86	1.70	1.85	2.08	2.47	3.37	0.3	2.25	20.83
October	.73	2.68	2.77	1.77	2.25	1.83	1.79	1.97	1.96	5.45	23.20
November	5.49	2.84	1.14	3.33	1.00	.43	2.18	1.77	2.56	3.65	24.39
December	1.59	2.12	.52	1.92	1.90	2.72	1.75	2.63	2.87	1.98	20.00
TOTALS ...	30.05	25.73	18.07	25.59	18.54	22.26	23.47	21.16	18.22	28.62	237.91
	D	D	D	D	D	D	D	D	D	D	

Ans. 2nd in 9. ix by H. E. Painter, rate apparently changes since 1944

Ans 2nd. Good site. Good gauge.

INSP. MAY 1957. GOOD. Satisfactory.

Inspl. 27.6.59 G.S. Evans - Satisfactory.

G. inspected 21st Oct by M. H. H. - all of SSE + SW others satisfactory

Position of Station on Ordnance One-Inch map : No. of Map 170 National Grid Reference 51/134694

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Parish Church.	Distance from gauge

Summary of Earlier Records from 10-year Sheets : * Fanciful figures indicate change in old position

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60

