

RAINFALL AT *Hampton Lockhart & Manshall Water Works*

Lat.

Lon.

County of

Middlesex

Rain Gauge, by

Observer

J.W. Hester Esq. C.E.
1- Thomas. Colne Bunt &c.,

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	
February ....	.62	.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	
September....	.95	.93	2.10	.73	.96	1.03	5.80	1.78	.44	2.41	1.713	
October .....	.78	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 & not properly measured

N.B. Rejected from Survey as 2' low

RAINFALL AT Hampton Southwark W. Works

Lat. Lon. County of Middlesex

Rain Gauge, by Observer J. W. Peckham Esq. C.E.

1 - Gauge, below a Bent Metropolitan Water Board

Diameter ..	5											
Height	2	0										
Altitude ..												
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	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	1.53	1.98	.90	2.88	.81	.48	2.02			
April .....	.69	1.53	.52	1.71	.73	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	2.31	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	2.93	3.55	2.21			
November ..	1.76	.46	1.52	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" low.

+ Inspected

RAINFALL AT Hampton

Lat.

Lon.

County of Middlesex

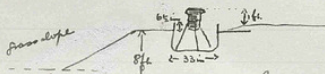
1. Thames - some
at Sun Glaisher Rain Gauge, by Ellis & Co.
glass apparently accurate.

Observer Mr. Waterhouse
H. F. Rutter Esq. C.E.

Diameter ..							8				
Height							13				
Altitude ..							41' 6"				
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	
April .....							.40	3.46	2.58	1.39	
May							2.34	1.73	1.78	1.49	
June							2.53	2.15	2.41	4.08	
July .....							.93	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 970 yards E
Station L.P.W. 340 " NE
Shrub 5 ft high 44 ft N

Annual average = 22.7 used in London Survey.


+ Inspected 27th Nov. g. in pit 1 ft. above ground well up in 1896 or '97.
Recommended putting in dryer tube instead of apylon

RAINFALL at HamptonCounty of MiddlesexObserver Met. Water Board

H. G. W. Stent C.E.

River Basin Thames Colne & Brent 1Rain Gauge, by Ellis & B.

Diameter ...	8										
Height	1.0										
Altitude ...	425							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	
March .....	.97	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	1.31	
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 20ft high 40 yds W

+ 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.P. R. Sturt-C*River Basin *Thames, Colne & Brent**Snowdon (1923) Insulated by Basella**Beacons Rain Gauge, by Elliott Bros**old & rusty looking**is on top of hill surrounded by 3 ft. iron pipe 16 ft high at New B. recommended .30 = .305*

Class .01 = .017 .275 .278
 .30 = .038 .310 .318
 .082 = .082 .50 .502
 .180 = .182 spare
 .30 = .305
 .50 = .518

both glass to be replaced VI. 22

Diameter ...	3											
Height	10	26	10									
Altitude ...	50											
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEANS.	
January ...	1.64	1.84	1.98	1.14	2.44							
February ...	.37	.25	1.64	2.61	.65							
March	1.00	1.17	1.48	2.13	.75							
April	2.47	.81	2.51	1.70	3.48							
May .....	.64	1.22	1.07	2.37	3.02							
June	1.79	.34	.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							
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							

1920 House 20 ft high 34 yds N
 Insulated by Basella
 immediately on S. Trees 60 ft. high 80 yds N.E., edge 6 ft high
 10 yds N.

Annual average = 22.7 used in London Survey.

Newington selected - two gauges to be read concurrently for a few miles
 new site close to St James three Res. close to Raffles Hotel - good position VI. 22.
 Insulated by Basella
 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 Direction from gauge	Parish Church.	Distance Direction from gauge
1920			Hampton	1/4 mi N E	Hampton	1/2 mi E

RAINFALL at Hampton N.W.County of MiddlesexObserver Met. Water Board
(UP RIVER DIVISION)River Basin Thames-Colne & Brent 1Insulated Standard Rain Gauge, by Bossella
2nd Street R. 162 Standard gauges (listed
initialled) R. 16New Gauge

Diameter ...					5"							
Height					1.0							
Altitude ...					27							
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 1930	
January ...					2.43	1.73	2.61	1.79	2.99	1.00	2.92	
February ...					.58	3.39	2.03	3.71	1.46	.35	0.61	
March .....					.75	.42	.16	2.51	1.21	.05	1.58	
April					3.44	1.78	2.54	1.55	1.25	.87	1.37	
May					3.02	2.03	1.58	1.32	2.42	1.14	2.47	
June					2.82	.04	3.58	2.66	2.08	.81	0.90	
July					3.54	3.47	1.62	2.92	2.00	1.41	1.47	
August					2.28	2.53	.95	3.01	2.45	1.85	2.26	
September...	See previous page.				3.44	2.38	1.02	4.48	.89	.10	2.76	
October					3.35	2.68	1.96	1.23	3.83	2.64	0.96	
November...					2.49	1.63	4.90	2.72	1.74	5.40	4.09	
December...					2.83	2.62	.26	3.76	2.23	4.42	1.88	
TOTALS...					30.97	24.70	23.21	31.66	24.56	20.04	23.27	
					D	D	D	D	D	D	D	

Inspected 7th 28.8.26. Gs. on top of large closed in reservoir with embankment
clipping 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
1924.6			Hampton	$\frac{1}{4}$ m.	N.E.	Hampton	$\frac{1}{2}$ m.	E.

RAINFALL at Hampton WaterworksCounty of Middlesex Observer Mct. Water BoardRiver 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

88389228

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	2090
February	1.54	.15	2.70	.20	2.08	1.62	3.61	.30	.61	1.05	1386
March	.19	1.26	2.45	2.04	.24	1.02	2.80	.24	.73	2.18	1315
April	3.61	2.35	.53	1.84	2.60	1.65	1.84	.05	1.79	1.49	1778
May	2.52	4.87	2.10	.44	1.28	.59	2.15	1.33	1.37	1.14	1782
June	1.38	.96	1.33	.66	3.13	3.33	2.35	.50	1.22	.51	1534
July	3.00	2.11	2.09	2.40	1.69	2.59	.69	1.10	1.60	2.18	1945
August	4.31	.82	.55	1.91	2.37	.46	2.44	1.88	1.87	.09	1670
September	2.09	2.13	2.31	1.29	3.15	2.17	1.47	2.03	.94	1.13	1871
October	.64	4.80	1.35	1.01	2.30	1.87	2.38	1.96	4.31	1.80	2242
November	2.30	1.18	.77	1.86	4.40	2.72	1.38	2.35	4.14	5.18	2628
December	.54	.47	.45	4.17	2.21	1.73	4.19	2.65	.78	.61	1780
TOTALS	23.30	22.62	17.92	19.16	26.29	23.52	28.90	16.58	22.69	19.26	22024

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

1940 fair. 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 from gauge	Parish Church.	Distance from gauge	Direction from gauge

RAINFALL at Hampton WaterworksCounty of MiddlesexObserver Met. Water BoardRiver Basin Thames below Brent

Type of Gauge

Annual Average 22.7 in. based on 27 years obs. ~~un~~-weighted. Period of average 1881-1915 Ref. SFile No. 883892/28

Diameter	5"										
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	1.16	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 n.p.	20.83 n.p.	18.06 n.p.	18.24 n.p.	imp. n.p.						

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,
1 mile 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.

BRITISH RAINFALL ORGANIZATION

Station No.

833/1

170/17
M.W.G. (1950)RAINFALL at Hampton Waterworks (new gauge)

41

County of MiddlesexObserver Mt. Water BoardRiver Basin Thames Colne & BrentType of Gauge M.O.Annual Average 22.7 in. based on 27 years obs. un-weighted. Period of average 1881-1915 Ref. SFile No. 833/1

Diameter	....	284	152	5						5"		
Height	....		1	2.0				1' 0"		1' 0"		
Altitude	....		41	45						39'		
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 D	20.39 D	28.91 D	20.72 D	21.30 D	19.90 D	26.59 D		

Gauge set up about 200 yds. N.W. of old Hampton W.D. one - across slight for new site.
 1944 Trees 40ft. high. 50ft. 3. Building 25ft. high. 10ft. 15. Bank 8ft. high. 10ft. 15.
 To become climate station probably in 1948 - 1949

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 from gauge	Parish Church.	Distance from gauge.	Direction from gauge.
1944			Hampton	1.100 ft.	N.W.	Hampton	1.800 ft.	E

Station No. 823/1 mw.R. (1950) **51**
 RAINFALL at Hampton (Waterworks) (New gauge)
 County of Middlesex Observer W. R. Water Board. (T.F. 86)
 River Basin Thames - Colne & Brent.
 Type of Gauge M.O. (T.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 " " 1914-1950 ES 116/11
 File No. 823/1 ES 116/11

Diameter ...	5"			284	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	3.26	.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	3.33	.77	2.65	4.65	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	1.99	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	

As Insp. 9.12. by H. C. Bunter, note apparently change since 1946
 Ins. 5.14. Good site. Good gauge.
 Insp. MAY 1950 J.B.K. Satisfactory.
 Insp. 27.6.58 G.S. Evans - Satisfactory.
 G. inspect 6.00.00 by J.B.K. - also de SSE to SW otherwise satisfactory

Position of Station on Ordnance One-Inch map: No. of Map 170 National Grid Reference SI 131695
SI 134694

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

Summary of Earlier Records from 10-year Sheets: 4 (enclosed figures indicate change in old position)

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	✓	✓	✓	C 1944	✓

