

RAINFALL AT Hertford Sewage Works

Lat.

Lon.

County of Herts

Rain Gauge, by

Observer

W. B. Bryson Esq. C.E.
W. Blackburn Esq. C.E.
Metropolitan Water Board

3. Thames - Sta.

Diameter ..	8						metropolitan Water Board					
Height	6 0					1 0						
Altitude ..	119	125				121						
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.	
January ..	2.86	.64	.48	1.82	2.30	1.15	3.05	.90	.72	.53	1.445	
February ..	3.63	1.18	1.00	.80	2.90	.84	1.58	1.06	.91	.46	1.436	
March ....	.63	1.81	1.28	2.52	1.10	2.49	1.16	.79	2.46	2.05	1.629	
April	1.31	1.55	.48	1.17	.58	1.51	.84	2.56	2.27	1.70	1.347	
May	1.00	1.26	1.96	2.55	1.38	1.29	.72	1.64	1.62	1.07	1.449	
June	2.32	.85	2.59	5.11	.88	3.10	2.61	1.80	.97	3.85	2.408	
July .....	.96	1.53	1.40	4.60	2.40	2.06	1.17	1.57	2.40	2.66	2.075	
August	2.76	1.68	3.14	3.90	2.51	2.68	.69	1.52	2.81	1.36	2.305	
September ..	.47	1.31	1.95	2.21	1.50	1.28	1.12	.39	1.41	1.55	1.319	
October	1.85	1.54	1.02	5.79	1.16	1.18	4.23	3.13	1.24	3.14	2.438	
November ..	1.71	.60	1.33	1.76	1.48	2.41	3.38	1.91	.90	.71	1.619	
December ..	2.43	3.58	1.18	1.48	1.57	.73	1.80	2.76	1.73	2.52	1.978	
TOTALS ..	21.93	17.53	17.81	33.71	19.76	20.72	21.85	20.03	19.54	21.60	21.448	46

in ft m m m m m m

✓
H.C.

+ Inspector

RAINFALL at Holford Leazes WorksCounty of HartfordshireObserver Met. Water BoardW. Blackburn
ImboldRiver Basin Thames. Lea 3Copper Glaisher Rain Gauge, by StanleyDiam { $\begin{matrix} 8.00 \\ 7.95 \\ 8.00 \\ 7.95 \end{matrix}$ } glass count $\times 11.13$
expt. - 01 - 014

Diameter ...	8											
Height	10											
Altitude ...	121 π					117						
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	TOTALS
January ...	1.37	.90	3.07	2.10	.65	3.23	1.33	1.37	2.44	3.16		16.19
February ...	2.54	1.08	1.26	.66	2.26	3.24	3.00	.56	.71	2.97		8.30
March .....	.64	1.51	2.65	1.64	3.83	1.00	4.20	1.77	.90	2.83		7.24
April	1.32	.89	.07	2.20	.86	1.00	1.07	1.86	3.63	3.53		9.70
May	2.13	1.72	.82	1.28	1.40	2.45	1.74	2.01	2.52	.40		10.09
June	3.25	2.38	2.75	1.14	2.07	.87	2.05	1.06	.74	1.64		6.67
July	1.41	1.63	1.07	1.70	1.83	3.80	1.25	3.23	3.34	2.26		5.47
August	1.85	.55	6.08	.98	1.22	2.42	3.45	4.87	.81	2.64		10.08
September ..	.45	1.44	2.36	1.24	1.04	1.96	1.26	1.92	4.68	1.31		11.77
October ...	1.65	2.75	2.14	3.13	1.59	1.75	2.96	3.40	1.31	.60		9.17
November ..	3.12	2.41	2.01	2.09	2.63	2.18	4.15	1.41	2.19	2.10		8.26
December ...	3.48	4.40	2.12	.68	6.45	4.42	3.20	.78	2.24	3.76		7.85
TOTALS ...	23.21	21.66	26.40	18.84	25.83	28.32	29.65	24.24	25.51	27.20		7.98
	2	2	2	2	2	2	2	2	2	2		106.60

+ Inspected CS. 3. X 11.13 G. sound. Standing on bank 4 ft high between two empty "sludge beds".
State moved to bottom of sludge bed 3 X 11.13 where will be well placed.

Date.	Lat. N.	Long. W.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
	51.48.16	0.3.30				all Saints	1.91	S. 45

RAINFALL at Hertford Sewage WorksCounty of HertfordshireObserver Met. Water Board
J. M. Wood.River Basin Thames- Lea 3

(Northern District)

1929 SnowdonCopper Glass Rain Gauge, by StanleyR.E. Morris

old (12)

funnel becoming detached & millie repaired.

new G. recommended tube put up in a p. or l. m.

Glass tested & correct.

Diameter ...	5	8								5		
Height	1	0	1/0							1	0	
Altitude ...	117	-				120 1/2				119	123.	
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	Totals
January ...	2.02	2.20	3.28	1.24	2.69	2.30	2.68	1.71	3.28	1.53	2.06	24.99
February ...	.34	.11	1.81	3.42	.82	3.01	2.71	3.86	1.41	.51	.52	18.52
March	1.45	1.11	1.84	1.78	.93	.77	.15	2.35	2.16	.02	1.82	14.38
April	3.54	1.63	2.37	1.29	3.51	1.21	2.62	1.76	.97	1.46	2.54	22.90
May .....	.69	.82	.83	1.50	3.59	1.66	2.05	.91	1.37	1.57	2.95	17.94
June	1.63	.39	1.24	.65	2.41	.21	3.34	3.86	2.07	.74	1.86	18.40
July	4.46	.21	2.96	1.91	4.08	4.56	2.55	2.29	2.07	1.91	2.30	27.3
August	1.12	1.25	2.06	2.11	1.73	2.92	.90	3.09	2.24	.84	2.56	20.92
September...	2.22	2.29	3.07	1.56	2.75	3.12	2.86	4.92	.75	.29	3.22	27.05
October	1.02	.82	.85	4.55	3.87	2.94	2.26	2.66	3.31	3.23	.99	26.50
November...	1.11	1.92	1.16	1.51	2.72	1.61	4.25	2.44	2.35	5.53	3.56	28.16
December...	2.30	1.45	2.65	2.57	3.13	1.77	.35	3.03	2.46	5.14	2.54	27.39
TOTALS...	21.90	44.20	24.12	24.09	32.23	26.08	26.72	32.88	24.54	22.77	26.92	276.45

1920 Gauge inspected G.S. 1913. see last sheet.

Inspected G.S. 6.2.22. In bottom of old sludge bed. Saw bands on all sides excellent state.

Inspected 3/10.6.23. G. has been repaired since last inspection.

Inspected 28.8.25 Only to the lagging down of new filter beds the gauge is in a temporary position and this will be improved. There is a drop of about 1 ft. 2-3 ins. to N. of 185.

Inspected 28/1/27 see green file

1929. Tanks 3' high 28' S.

1930. G. read 10 am in words: in summer 9 am.

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

Reference No.

Date.	Lat. N.	Long. W.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge	Direction
	51° 43' 10"	0° 3' 30"				All Saints	1 mi	S.W.
							1 1/2 mi	S.W.

RAINFALL at Hertford (Sewage Works)County of HertfordshireObserver Met. Water Board.River Basin Thames - Lea - 3.

Type of Gauge.....

Annual Average 23.3 in. based on 23 years obs. ~~un~~-weighted. Period of average 1881-1915 Ref. S
88389+128

Diameter	5.											
Height	1.0.											
Altitude	123.											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Totals	Means
January	1.67	1.55	1.73	1.57	1.42	3.85	3.94	2.65	5.19	2.11	25.68	
February	1.72	.15	1.39	.16	3.02	1.87	3.43	.46	.76	1.40	14.85	
March	.06	1.80	2.40	2.34	.49	.87	2.47	.28	1.58	2.43	14.72	
April	3.78	2.12	1.13	1.06	3.63	1.16	2.84	.09	2.84	1.54	20.19	
May	3.02	3.96	2.15	.57	2.14	.50	2.56	2.05	1.14	1.23	19.32	
June	1.26	.82	2.20	.87	3.15	4.29	1.43	.46	1.62	.50	16.60	
July	3.24	2.03	1.18	.84	.71	4.33	1.91	1.28	2.30	2.47	20.39	
August	4.36	3.28	.40	2.10	1.49	2.29	1.93	1.55	2.47	.03	18.45	
September	2.72	1.46	2.36	1.79	3.48	3.17	1.89	2.73	1.78	1.23	22.81	
October	.47	4.17	1.53	1.14	3.53	1.72	2.41	2.77	4.97	3.09	25.80	
November	2.66	1.30	1.09	1.66	3.33	3.11	1.36	2.87	3.88	6.31	27.57	
December	.75	.41	.44	4.28	2.63	1.39	3.06	3.42	1.14	1.33	18.85	
TOTALS	25.91	22.00	18.20	18.38	29.02	26.55	29.23	20.70	30.07	23.67	244.73	

1931. Tanker. 3 ft high 28 ft. 5.

† Inspected 10/2/38 by Mr Bennell. Gauge sound & at correct ht.

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
1931						All Saints	17 mi.	S.W.

Station No. 954 M

RAINFALL at Hertford (Sewage Works) (+A) 1947

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County of Hertfordshire Observer Met. W. J. BoardRiver Basin Jannet Lea

Type of Gauge.....

Annual Average 22.3 in. based on 33 years obs. un-weighted. Period of average 1881-1915 Ref. 5File No. 333394 22

Diameter	5"			247	501							
Height	1' 0"				1							
Altitude	123'				41							
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	
January	2.10	2.30	4.49	1.53	2.03	1.84	1.70	3.92	1.28	1.34		Total 22.53
February	2.28	.92	1.22	1.21	1.49	2.56	1.40	1.00	1.16	3.60		16.84
March	2.62	1.37	.59	.19	.61	1.20	5.18	.78	.93	.64		14.11
April	1.26	1.24	1.33	1.43	1.27	1.40	1.76	1.28	1.70	1.89		14.56
May	1.90	2.57	2.00	1.00	1.92	2.22	.52	2.14	1.90	1.78		17.75
June	1.84	.21	1.25	1.56	1.76	1.95	2.78	2.41	.53	1.37		15.66
July	2.59	2.00	1.17	2.00	2.80	2.96	1.99	1.13	2.62	3.50		22.76
August	4.35	2.01	1.46	2.51	1.00	3.64	.19	2.83	1.55	2.90		22.44
September	.73	1.25	1.77	2.40	2.36	4.49	1.19	1.59	.26	3.05		19.09
October	1.03	3.77	2.57	3.39	2.60	.92	.08	1.89	5.07	.40		21.72
November	2.25	1.67	1.47	3.20	.12	4.17	1.02	1.68	2.28	4.59		22.45
December	1.63	2.29	1.31	1.44	3.07	2.00	2.58	2.98	1.48	1.40		20.18
TOTALS	24.58	21.60	20.63	21.86	21.03	29.35	20.39	23.63	20.76	26.46		230.29

Inspected 11/9/47 - Silt between Sewage Tanks is satisfactory. Casella records also in use for gage order. Charts sent to M.W. Board.
D.C.B.

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

RAINFALL at HERTFORD (SEWAGE WORKS) + A

County of HARTFORDSHIRE Observer MET. WATER BOARD

River Basin THAMES-LEE-3

Type of Gauge: M/K (715)

Annual Average 23.3 in. based on 33 years obs. ~~un~~-weighted. Period of average 1881-1915 Ref. AUS
24.52 " " 35 " " 1916-1950 File No. 1916-1950 5220-1-15 E3 No. 1

File No. ~~883593/28~~ E3N6/46
E 32626/58

Diameter ...	5"			242	501							
Height ...	1' 0"				1							
Altitude ...	123'				51							
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means- Totals	
January ...	2.55	1.85	1.10	1.03	2.16	3.45	.83	2.25	2.25	2.20	19.61	
February ...	4.60	.54	1.90	2.21	1.63	.46	2.73	2.71	.08	1.66	18.52	
March ...	3.10	2.40	.44	2.22	.96	.95	1.20	1.06	2.00	1.01	15.14	
April ...	2.84	1.57	2.50	.27	.37	1.00	.27	1.26	2.34	.53	12.95	
May ...	2.38	1.14	1.39	1.96	4.21	.33	.68	2.57	.87	1.11	16.64	
June ...	1.22	1.55	1.58	4.43	2.10	2.89	2.04	5.24	1.44	1.44	23.93	
July ...	.82	.56	3.03	2.14	.13	3.24	3.28	3.05	2.54	2.80	21.59	
August ...	4.24	4.73	1.64	2.89	1.34	4.92	1.65	3.21	1.39	2.39	28.40	
September ...	3.35	2.44	1.91	1.41	1.53	1.67	2.83	3.09	.09	4.34	22.66	
October ...	.76	2.38	2.91	1.90	4.07	1.77	1.82	2.42	1.97	5.43	25.93	
November ...	4.35	3.88	1.28	4.06	.84	.66	2.09	1.86	2.44	3.44	24.90	
December ...	2.01	2.53	.52	1.56	1.90	3.33	2.05	2.68	4.27	2.88	23.73	
TOTALS ...	32.22 D	25.57 D	20.20 D	26.08 D	21.24 D	24.47 D	21.47 D	31.90 D	21.68 D	29.23 d	254.06	

Ins. 17.11.57. Boat caught in funnel at junction of Shedd's & funnel. New g.
recommended. 40' to ENE to steep drop of 10'.
Insp. Sept 1956. Gauge sand, sea was atified. Site o/c NE, on bank. Close site on
River near storm tanks. Did not consider more strictly necessary. Manager preferred
gauge near office.
Inspected 11.10.60 by W.D. Butler. Site looks to blowing detergent foam. o/c W → N → E. New satisfactory site chosen
50-60 yds WSW
+A below 45 to see concavancy.

Position of Station on Ordnance One-Inch map : No. of Map 160 National Grid Reference 62339134

[illegible]

Summary of Earlier Records from 10-year Sheets :

1916-1950, P-accepted

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