

RAINFALL AT *Wanstead Red Bridge*

Lat.

Lon.

County of *Essex*

Rain Gauge, by

Observer *W.B. Ryan Esq. C.E.*

Roding + C - 2.

W.B. Blackburn Esq. C.E.

not later than

Diameter ..	8										
Height	6 0	8 0									
Altitude ..	25	33									
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEAN.
January ..	2.18	.53	.66	1.81	1.73	.96	3.73	.71	1.04	.65	1.400
February ..	2.31	.79	1.05	.63	2.24	.59	1.77	.91	1.32	.54	1.215
March ....	.59	1.59	1.46	1.98	1.58	2.77	.98	.76	1.78	2.19	1.568
April .....	.65	1.72	.37	1.78	.79	1.69	.75	4.03	2.27	1.64	1.569
May	1.06	1.67	2.94	1.65	1.89	.67	1.35	2.09	1.51	1.35	1.618
June	2.29	1.15	2.73	5.68	.77	3.40	1.90	1.45	1.65	3.82	2.0484
July	1.41	2.07	1.36	7.07	1.80	1.12	1.03	2.24	3.73	3.09	2.4921
August	2.60	1.58	3.45	4.23	1.71	2.58	1.30	1.88	2.57	1.51	2.341
September..	.66	1.55	.66	2.24	1.22	1.97	1.87	1.39	1.41	2.07	1.504
October....	1.63	2.80	1.18	5.70	1.67	.91	2.91	2.48	1.52	3.51	2.4322
November..	1.55	.55	1.44	1.63	1.56	2.76	3.62	2.02	.68	.65	1.646
December ..	2.29	2.51	1.22	1.04	1.44	.57	1.81	2.89	1.51	2.39	1.767
TOTALS ..	19.22	18.51	18.52	35.44	18.40	19.99	23.02	22.95	21.00	23.41	22.036

Annual average (London Survey) - 2.405

RAINFALL at Wanstead Red BridgeCounty of EssexObserver Mel Water Board W. Blackbush, C.E.River Basin Thames, Rodding & C

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J. M. Woodnew 9. 1915Copper Glaisher Rain Gauge, by Stanley

Dam { 8.00
 7.95
 7.94

glass correct x11.13

Diameter ...	8					5					
Height	8.0		4.0			2.0					
Altitude ...	30 ft					27					
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	1.24	1.03	3.19	2.64	.87	3.55	.94	1.11	2.80	2.71	
February ...	2.06	1.11	1.31	.73	2.30	2.61	2.81	.80	1.04	2.22	
March .....	.86	1.75	2.14	1.60	3.79	.63	2.39	1.67	.71	3.19	
April	1.14	1.24	.07	2.30	.73	.89	.91	1.85	2.71	2.80	
May	1.75	.96	.79	1.23	1.89	2.69	1.43	2.45	1.84	.34	
June	2.33	2.32	2.76	.35	1.75	.82	1.99	1.54	1.10	1.50	
July	1.93	.47	1.23	2.01	1.33	3.57	1.77	3.49	6.09	2.04	
August	2.27	1.07	4.01	1.61	.90	1.66	4.24	4.10	1.28	1.72	
September ..	.67	1.31	1.87	1.38	.78	1.75	.86	1.43	4.42	1.06	
October ...	1.69	2.80	1.87	3.70	.98	1.58	2.68	2.73	1.05	.72	
November ..	2.90	3.17	1.43	2.21	2.49	2.52	4.00	1.37	1.80	1.34	
December ...	2.66	3.68	2.54	.69	5.86	4.80	2.37	.76	1.84	2.90	
TOTALS ...	21.50	20.91	23.21	20.45	23.16	27.07	26.39	23.30	26.68	22.54	
	2	2	2	2	2	2	2	2	2	2	

Moved about beginning of 1913

Annual Average (London Survey) Rejected as 2" low.

Inspected c.s. 19.11.13 G. stands on flint pedestal at 4 ft above ground, having been removed about 1 year before from middle of wooden platform 6 ft square & 7 ft high, close by. True open situation, no obstruction. The gauge was worn out the collar being almost detached. The pipe was bent almost in complete circle. Recommended new G. placed about 10 ft SE.

Date.	Lat. N.	Long. E.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
	51.34 35	0.23 8	Snarebrook					

RAINFALL at Wanstead Red BridgeCounty of EssexObserver Det. W. B. Board
1921 9 m WoodRiver Basin Thames (Folking etc)Northam DistrictRain Gauge, by
comparatively new
N. deep funnel
Copper Snowden (no name)

1929 R. F. Morris

Gauge correct (Casella)

4.97
4.97
5.00
4.95

Diameter ...	5											
Height	2	2				2	0					
Altitude ...	27											
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	Mean. 1930	
January ...	2.35	1.62	2.53	.84	2.49	1.49	2.10	1.28	3.11	.88	2.13	
February ...	.40	.24	1.69	2.47	.64	2.16	2.87	3.00	1.38	.38	.71
March	1.31	.90	1.16	1.64	.48	.57	.16	2.06	1.13	.04	1.38	
April.....	2.94	1.13	2.52	1.27	2.25	1.54	3.23	1.58	1.05	1.14	1.41	
May .....	.40	1.66	.41	1.80	2.71	1.28	.98	1.61	1.69	1.73	2.79
June	1.29	.45	1.36	.49	2.58	.10	3.34	2.24	2.08	.85	2.33	
July	3.13	.16	3.20	2.45	2.33	4.10	2.52	2.71	1.78	1.47	2.04	
August	1.72	1.28	2.34	1.98	2.30	2.33	2.18	3.69	1.96	1.58	3.19	
September...	3.07	1.80	1.76	1.03	2.17	1.89	1.41	3.98	.51	.21	2.41	
October.....	.99	.58	.83	4.31	2.93	2.57	2.10	1.06	3.00	2.50	1.08	
November...	.75	1.72	1.29	1.58	2.41	1.16	4.14	1.83	1.59	4.81	3.62	
December...	2.30	.83	2.64	2.03	2.66	2.38	.38	2.94	2.28	3.56	1.84	
TOTALS...	20.65	12.37	21.73	21.89	26.42	21.57	25.41	27.98	21.56	19.15	25.43	
	D	D	D	D	D	D	D	D	D	D	D	

Inspected 7.2.21. 21. 5. in flat open meadow, set in cement. Excellent site of grass not too long.

Inspected 2.11.23. Satisfactory.

7.30.25 Good exposure.

28/1/27 See green file

1929 Engine house 80 ft. high 150 ft. W.

Annual Average (London Survey) Rejected as 2' low.

Position of Station on reduced Ordnance Survey } 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
1921	51.34 35	0.2.38	Sharnbrook	1/2 mi	W	1927 Wanstead	1/2 mi	W.
			G.B.R.					

RAINFALL at Wanstead (Red Bridge)

County of EssexObserver Met. Water BoardRiver Basin Thames-Roding 2Type of Gauge 23.8Annual Average + in. based on 7 years obs. ~~un~~-weighted. Period of average 1881-1915 Ref. 888594/28
End. 10.6.4

888894/28

Diameter	5.											
Height	0.6.	1.	6.	1.	0							
Altitude	45.	25.										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	
January	1.15	1.32	.99	1.13	1.36	3.25	2.92	2.42	4.65	2.03	2122	
February	1.82	.19	.82	.10	1.79	1.21	3.86	.58	.75	1.29	1251	
March	.21	1.28	1.74	1.70	.30	1.04	2.34	.30	1.19	3.24	1334	
April	3.08	2.19	.71	2.09	2.76	1.07	2.75	.11	2.31	1.35	1842	
May	2.38	2.68	1.63	.42	1.25	.40	2.83	1.59	1.63	1.40	1623	
June	1.36	.54	3.54	1.55	3.30	3.70	1.96	.33	1.47	1.08	1883	
July	2.52	2.29	.72	.82	.76	2.58	1.70	1.82	1.62	3.17	1800	
August	6.23	2.46	.67	2.11	1.71	.31	2.35	1.78	3.01	.04	2067	
September	1.47	2.00	2.69	1.07	2.58	2.56	1.26	2.66	1.25	1.08	1862	
October	.54	5.14	1.31	.99	2.20	1.28	2.00	2.47	5.35	2.59	2407	
November	2.02	.95	.91	1.77	3.35	3.19	1.27	3.08	4.16	6.18	2688	
December	.60	.42	.46	4.44	2.16	1.90	3.57	2.92	1.05	.94	1846	
TOTALS	23.38	21.46	16.19	18.19	23.52	22.79	28.23	20.06	28.44	24.39	22125	KM

1931. Engine House 80' high 150' W.

Inspected 5/3/4. Gauge should be moved some two yards east, off slight mound and fixed with rim flat above the ground.

+ Inspected 10/2/33 by Mr. Semwell. Gauge old but sound.

Annual Average⁽¹⁹⁰⁻¹⁹³²⁾ rejected from London Survey as 2" 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
1931.						Wanstead	1/2 mile	W.

Station No. 1261RAINFALL at Wanslead (Red Bridge)

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County of EssexObserver Met. Water BoardRiver Basin Thames - Roding ec-2

Type of Gauge.....

Annual Average 22.8 in. based on 7 years obs. un-weighted. Period of average 1881-1915 Ref. end 196AFile No. 883893/28

Diameter	5"			239	374							
Height	1' 0'											
Altitude	25'											
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	
January	2.22	1.91	3.92	1.33	1.70	1.30	1.59	3.01	.77	1.05		18.30
February	1.60	.75	.99	.69	1.44	2.35	1.32	1.46	.69	2.92		14.21
March	2.47	1.64	.38	.05	.88	1.00	4.98	.60	.79	.55		13.34
April	1.45	.69	1.04	1.20	.98	1.19	1.47	1.30	1.46	1.83		12.61
May	1.59	2.55	1.57	.51	2.37	2.93	.79	2.29	1.97	1.32		17.89
June	.99	.14	1.21	2.20	1.63	2.39	2.32	4.26	.59	1.20		16.93
July	2.19	1.33	1.44	1.54	3.07	2.47	2.44	.87	2.32	3.36		21.03
August	4.04	1.83	1.37	2.76	1.24	3.82	.14	3.90	1.02	1.53		21.65
September	.63	1.40	1.58	2.85	1.23	2.48	1.30	1.18	.53	2.27		15.42
October	.64	3.87	2.22	2.88	1.70	.85	.19	1.97	5.00	.28		19.60
November	2.06	1.91	1.21	3.10	.24	3.03	.84	1.86	1.84	4.36		20.45
December	1.78	2.46	1.32	.89	2.72	1.86	1.88	2.08	1.35	1.30		17.64
TOTALS	21.66	20.48	18.25	20.00	19.20	25.67	19.26	24.78	18.33	21.97		209.60
	D	D	D	D	D	D	D	D	D	D		

7.44 Gauge found to be not in horizontal position, but in other respects quite sound. Gauge being re-set.

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

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Observer *Met. Water Board*

Type of Gauge M.O. Hk II

Annual Average 22.8 in. based on 7 years obs. un-weighted. Period of average 1881-1915 Ref. 1106A
 " " 22.73 " " 25 " " 1930-57 " " 1916-57 File No. 88897-18 E.3N6/46

Inv. 24-11-53. G. sound. Flaggpole 20' high 8'6" east.
Inspected Sept 1956 Mr. Daels. Gauge 14 ft. Measured at foot of trees w 30°-35°
Recomm. move 20' SE
resp. II 1959 J.B.O.K. Satisfactory but rec. move ENE to allow for growth of trees to W.
Gauge moved 68 ft. SE. 1-12-59. see query form d. 22-11-59.
Inspected 10-10-60 by Hillier Satisfactory

Position of Station on Ordnance One-Inch map : No. of Map 161 National Grid Reference 51/458832

Summary of Earlier Records from 10-year Sheets :

(62) Wt. 13072--389 10M 6/50 T.S. 841