

# RAINFALL AT

*W. P. P. L.* LONDON  
London Old Ford, Penstocks

Lat.

Lon.

County of *Middlesex*

Rain Gauge, by

Observer

*A. R. Binnie Esq. C.E.*

*2. Thames - Left Bank.*

Diameter ....		8									
Height .....		1.0									
Altitude ....		35 <sup>↑</sup>									
Year .....	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January ....		1.45	.46	1.44	2.95	1.38	.56	1.65	.61	2.36	
February ....		.00	1.30	2.94	1.62	.20	.19	2.28	.89	1.82	
March .....		1.33	.94	.40	1.10	1.42	2.78	3.17	1.02	.45	
April .....		.67	1.04	.03	1.45	1.10	.44	1.60	1.11	2.54	
May .....		3.39	1.39	.63	1.49	.37	.19	1.48	1.68	1.34	
June .....		.87	2.25	.73	1.70	.19	2.22	1.46	1.09	1.20	
July .....		4.20	1.41	2.19	3.83	3.02	.99	1.63	.63	1.29	
August .....		3.85	3.20	1.53	3.06	2.71	1.76	2.82	.93	.43	
September....		.80	2.22	.89	.98	1.34	4.90	2.55	.38	2.44	
October .....		4.41	3.73	4.07	4.16	2.95	2.92	.39	2.73	2.20	
November....		2.06	2.25	2.19	2.67	2.51	1.08	1.00	1.71	4.05	
December ....		3.03	1.19	2.10	2.29	2.07	3.10	2.14	2.25	.98	
TOTALS ....		26.06	21.38	19.14	26.80	19.26	21.13	22.17	15.03	21.10	

1891 Dow Church 3/4 mile S E  
St Marks Ch 1/8 " N.W.  
Shaft 40 ft high 50 ft N.W.

# RAINFALL AT

*Pendock Hamlet, 1 1/2 m. from*  
London Old Ford E. Pendock  
*North of the Thames 1903*

Lat. ....

Lon. ....

County of Middlesex

Rain Gauge, by .....

Observer S. A. R. Dinnick Ch.

Thames - 2.

Maurice Fitzmaurice Esq Ch.

Diameter ..	8										
Height ....	1 0										
Altitude ..	35 ft										
Year ....	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEAN.
January ..	2.37	.36	.66	2.03	1.90	1.08	4.14	.74	1.26	.57	1.511
February ..	3.26	.68	.98	.72	2.05	.67	1.67	1.00	1.11	.42	1.256
March ....	.74	1.70	1.49	2.12	1.39	3.09	.82	.81	1.86	2.45	1.647
April .....	.74	1.75	.31	1.71	.96	1.70	.77	3.22	1.95	1.68	1.479
May .....	.98	1.46	2.60	1.79	1.88	.77	1.14	1.71	1.34	1.38	1.500
June .....	1.83	1.04	3.05	5.58	.77	3.30	2.62	2.09	1.86	3.65	2.579
July .....	1.41	4.34	1.02	6.36	1.88	.59	.41	1.10	3.30	3.33	2.374
August ....	2.21	1.59	3.05	4.05	1.46	2.15	1.18	1.71	2.81	1.41	2.162
September ..	.55	1.33	1.02	2.40	.92	1.51	1.51	1.06	1.23	1.94	1.347
October ....	1.65	2.43	1.35	5.67	1.41	.98	2.92	2.33	1.61	3.54	2.389
November ..	1.44	.50	1.37	1.59	1.53	2.66	3.17	1.94	.61	.68	1.549
December ..	2.41	2.73	1.21	1.06	1.73	.56	1.84	3.01	1.27	2.20	1.802
TOTALS ..	19.59	19.91	18.11	35.08	17.83	19.06	22.19	20.72	20.21	23.25	21.55

1900 St Marks Church 500 N  
 1903 Old Ford Station 1/8 mile S  
 1904 Bow Church 3/4 mile S.E.  
 1909 Shaft 30 ft high 90 ft N.W.





RAINFALL at Poplar Old Ford Penstocks HouseCounty of LondonObserver Sir M. Fitzmaurice B.M.S.  
London County CouncilRiver Basin Thames 2Rain Gauge, by M.O.Sound  
with hypsograph

Tolls

22.64

17.42

12.65

22.12

19.01

17.83

27.93

27.46

21.38

24.65

27.45

25.28

265.83

Diameter ...	2											
Height .....	1	0										
Altitude ...	43											
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	<del>1930</del>	
January ...	2.40	1.86	2.39	1.12	2.65	1.74	2.16	1.52	3.46	.81	2.43	Means 2.06
February ...	.53	.26	1.88	2.65	.66	2.48	3.01	2.99	1.51	.47	0.98	1.58
March .....	1.43	1.06	1.45	2.14	.56	.54	.29	2.32	1.32	.03	1.51	1.15
April .....	2.87	1.22	2.63	1.41	2.90	1.83	3.68	1.85	1.11	1.15	1.47	2.01
May .....	.46	1.09	.58	1.72	3.33	1.25	1.47	1.61	2.41	1.85	3.24	1.73
June .....	1.31	.49	1.09	.41	2.36	.08	3.53	2.59	2.20	1.02	2.75	1.62
July .....	3.33	.15	3.79	2.37	4.07	4.11	2.25	2.36	1.97	2.00	1.53	2.54
August .....	1.77	1.11	2.29	2.37	2.37	3.01	2.28	4.55	2.04	1.72	3.92	2.50
September...	3.21	2.18	1.77	1.13	2.64	1.95	1.07	4.48	.27	.21	2.48	1.94
October .....	1.30	.68	1.16	5.00	3.31	2.75	2.31	1.17	3.05	2.82	1.10	2.24
November...	.83	1.58	1.43	1.47	2.49	1.42	4.84	2.23	1.95	4.91	4.05	2.50
December...	1.98	1.07	2.84	2.04	3.00	2.61	.67	2.65	2.48	4.03	1.91	2.29
TOTALS...	21.42	13.00	23.30	23.83	30.34	23.77	27.66	30.32	23.80	21.02	27.37	24.16

Inspected 7.5.51.13.  
 deep 4 ft 6 in. S  
 10 yds  
 X

E

good  
sheetW  
railway

good sheet

The gauges were situated on a levelled out  
 there was sufficient shelter all round.  
 The hypsograph <sup>has been</sup> ~~was~~ completely buried in the  
 ground.

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
1920	51° 32' 14"	0° 13'	Old Ford	1/8 mi	S	St. Mark's	3/4 mi	S.E.
							250 yds	N.

POPULAR  
RAINFALL at Old Ford (Penstock House)

County of London

Observer London County Council

River Basin Thames Left Bank tribs 2

Type of Gauge

(TA)

Annual Average 32.4 in. based on 42 years obs. un-weighted. Period of average 1881-1915 Ref. S

660624/26

Diameter	8											
Height	10											
Altitude	43											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	TOTALS	Months
January	1.24	1.69	1.03	1.29	1.31	3.61	3.22	2.28	4.36	1.88	2191	
February	1.91	0.26	1.36	0.14	2.08	1.42	4.20	.61	.87	1.26	1411	
March	.23	1.49	2.34	1.99	.33	1.17	2.71	.25	1.13	3.72	1536	
April	3.28	2.36	.74	1.97	2.70	1.32	2.76	.10	2.22	1.56	1901	
May	2.68	3.53	1.95	0.50	1.30	0.40	3.30	1.30	1.44	1.22	1762	
June	1.26	0.55	1.93	1.83	3.04	2.92	1.78	.47	1.28	.42	1548	
July	2.24	2.28	1.43	0.91	.89	2.75	1.35	1.97	1.96	2.91	1869	
August	4.21	3.32	.55	1.81	1.99	0.46	1.65	1.38	4.03	.02	1942	
September	1.75	2.15	2.64	1.23	2.54	2.57	1.46	3.54	1.71	1.06	2065	
October	.67	4.51	1.64	1.07	2.76	1.69	2.21	2.33	5.39	2.23	2450	
November	2.21	1.15	.88	1.82	3.20	2.99	1.35	2.96	4.05	6.72	2733	
December	.85	0.46	.34	4.47	2.41	2.07	3.69	(2.74)	.93	1.04	1900	
TOTALS	22.53	23.75	16.83	19.03	24.55	23.37	29.68	19.93	29.37	24.04	23308	117
	D.	D.	D.	D.	D.	D.	D.	D.	D.	D.	D.	117

1937. Station with done - Adv. 1318 (phone).  
 1938. Dec. partly wet for snow.

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, EXHIBITION ROAD, LONDON, S.W.7.

Station No. 51

RAINFALL at POPPAB Old Ford (Pope's House) (+A)

41

County of London

Observer London County Council

River Basin Thames Left Bank Trib. 2

Type of Gauge Snowden (+A)

Annual Average 22.4 in. based on 42 years obs. un-weighted. Period of average 1881-1915 Ref. 5

File No.

Diameter	8"		2 1/4"	8"							
Height	15'0"		10'	1 0 10"							
Altitude	44'		41'	39'							
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	2.55	2.18	4.10	1.44	1.62	1.31	1.54	2.79	.60	.97	Total 19.10
February	1.86	.80	1.22	.60	1.34	2.24	1.09	1.18	.71	2.83	13.87
March	2.96	1.59	.29	.04	.76	.96	4.87	.58	.71	.60	13.36
April	1.46	.79	.98	1.20	.77	1.16	1.48	1.50	1.35	2.13	12.82
May	1.70	2.52	1.37	1.09	2.27	2.68	.86	1.98	1.66	1.25	17.32
June	1.85	.25	1.71	1.76	1.55	2.75	3.08	2.16	.81	.95	16.87
July	3.42	1.34	1.83	1.15	2.37	2.16	2.07	1.00	1.53	2.79	19.66
August	4.92	1.52	1.35	2.36	1.35	3.45	.10	3.30	1.64	1.37	21.36
September	.67	1.24	1.73	2.80	1.20	2.66	1.28	1.13	.50	2.01	15.22
October	.58	3.84	2.40	2.87	1.85	.88	.07	2.20	5.35	.31	20.35
November	2.47	2.11	1.21	3.16	.17	3.18	.83	1.69	1.87	4.32	21.01
December	1.87	1.98	1.31	.36	2.43	1.76	1.90	2.06	1.31	1.34	16.92
TOTALS	26.31	20.16	19.50	19.43	17.68	25.19	19.17	21.57	18.04	20.87	207.92
	Dnp	Dnp	D	D	D	D	D	D	D	D	D

1942 Roof of house 2' above gauge 10 yds W. Workshops 3' above gauge 20 yds N.  
 1941 & 1942 records n.p. roof gauge. Gauge since replaced in ground on a site similar to its former one.

1943 Office building 10 ft. high 48 ft. E  
 Factory 30 ft. high 43 ft. N.W.  
 Shed 14 ft. high 41 ft. S.W.

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.
1942			Old Ford L.M.S.	200 y.	S.E.	St. Marks	200 y.	N.

BRITISH RAINFALL ORGANIZATION



Station No. 56

RAINFALL at POPLAR Old Ford (Pembel House) (JA)

51

County of London Observer London County CouncilRiver Basin Lower Lifford FallsType of Gauge Glaisher Snowdon  
Singdon (JA)Annual Average 32.4 in. based on 12 years obs. un-weighted. Period of average 1881-1915 Ref. 8 S.File No. E 22455/55

Diameter ...	8"				245400						
Height ...	6' 10"				1		11				
Altitude ...	381'				51						
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	2.21	1.54	.80	1.04	2.31	3.21	1.18	1.79	1.76	1.47	17.51
February ...	5.01	.76	1.35	1.99	1.18	.14	2.75	2.19	.05	1.56	16.98
March ...	2.49	2.10	.42	1.80	.86	.91	1.14	1.01	1.37	1.48	13.58
April ...	2.58	.85	2.14	.25	.23	1.01	.12	1.57	1.94	0.42	11.11
May ...	1.54	.81	1.13	1.64	3.75	.48	.99	2.25	.89	1.99	15.47
June ...	1.01	1.76	1.70	2.75	2.02	2.14	1.08	5.04	.71	1.71	19.92
July ...	1.54	.47	3.16	2.53	.58	4.65	3.46	2.14	1.57	2.31	22.41
August ...	3.36	2.58	1.81	3.05	1.03	4.01	1.59	3.25	2.89	2.39	25.96
September ...	2.90	2.06	1.78	1.60	2.17	2.12	2.00	3.70	.05	4.85	23.23
October ...	.82	2.07	3.26	2.19	2.62	1.71	1.96	2.26	1.75	4.79	23.63
November ...	4.05	3.01	.84	3.17	.47	.37	1.91	1.79	2.90	3.52	22.03
December ...	1.51	2.06	.54	1.29	1.58	2.20	1.45	2.86	2.96	2.29	18.74
TOTALS ...	29.02	20.07	18.93	23.30	18.80	22.95	19.63	30.05	18.84	28.98	230.57
	D	D	D	D	D	d	d	d	D	D	

1952 Station 30' high 42" N.W. N.E.P. Station 14' high 41" S.W. Office 10' high 42" S.  
 1957 JAN 58 38.0". 30" cov.

Position of Station on Ordnance One-Inch map :

No. of Map 161National Grid Reference TR 369839

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge
1942			Old Ford LMS	200 yds	S.E.	St Marks	200 yds	N
1952			Old Ford LMS	200 yds	S.	St. Marks	200 yds	N.W.

Summary of Earlier Records from 10-year Sheets :

1916-1950, P - rejected

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
Jan 1891	✓	✓	✓	✓	✓
	✓	✓	✓	✓	✓