

# RAINFALL AT

Isle of Dogs

Poplar  
River  
LONDON

Lat.

Lon.

County of Middlesex

Rain Gauge, by

Observer A. R. Birnie & Co.

2 - Thames - Dept Bank.

Diameter ....	8										
Height .....	1.0										
Altitude ....	15 ft										
Year .....	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January ....	1.38	.34	1.35	2.91	1.60	.57	1.53	.70	2.33		
February ....	.00	1.63	2.50	1.67	.18	.24	2.37	1.04	1.79		
March .....	1.50	1.05	.38	.74	1.36	3.02	2.87	1.42	.49		
April .....	.69	1.40	.14	1.02	1.17	.45	1.43	.92	2.51		
May .....	2.63	1.68	.42	1.71	.45	.21	1.47	2.13	1.28		
June .....	1.01	2.68	.70	2.14	.18	2.00	1.44	1.12	1.20		
July .....	4.78	1.38	3.10	3.15	3.63	.95	.61	.55	1.43		
August .....	3.85	2.91	1.64	2.89	2.55	1.63	2.52	.67	.60		
September....	.91	2.23	1.05	1.10	.85	5.02	2.88	.26	2.14		
October .....	4.01	3.68	3.77	3.74	3.15	2.69	.62	3.00	2.01		
November....	1.96	2.08	2.20	2.94	2.60	1.16	1.03	2.04	3.59		
December ....	2.82	1.08	2.13	1.98	2.20	2.96	2.28	2.22	1.18		
TOTALS ....	25.54	22.14	19.38	25.99	19.92	20.90	21.05	16.07	20.55		

1891 Poplar Church 3/4 mile NE  
Shaft 100 ft high 2.5 ft W

# RAINFALL AT

*Poplar Island Gardens*

Lat. \_\_\_\_\_

Lon. \_\_\_\_\_

County of *London N of Thames*

? Longflass tube 1 in ? Rain Gauge, by *Hepburn & Co*

Observer *P. C. J. S. S. S.*

*Greater*

Diameter ...									5		
Height .....									4.6		
Altitude ...											
Year ...	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ...									1.35	.32	
February ...									1.05	.29	
March .....									1.40	2.56	
April .....									1.80	1.46	
May .....									1.60	1.32	
June .....									2.40	3.54	
July .....									4.30	3.27	
August .....									2.56	1.55	
September ..									70	2.02	
October ...									1.46	2.58	
November ..									30	26	
December ...									(1.01)	1.73	
TOTALS ...									19.93	20.90	

1908 Bailey Valves worthless. Total not printed.

Chiswick 300 yards N

Greenwich Station 300 N W

Mel Instrument Box 12 ft high 6 in E

House 50 ft high 30 ft NE

1909 Not published ! said to be faulty in Oct & Nov

N.B. Rejected from Survey as 1" low.

# RAINFALL AT

Isle of Dogs

London North of the Thames. 1903

Lat. ....

Lon. ....

County of Middlesex

Rain Gauge, by

Observer

L. A. R. Durrant C.E.

Name - 2.

Maurice Fitzmaurice Esq C.E.

Diameter ..	8										
Height ....	10										
Altitude ..	157										
Year ....	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	2.18	.65	.59	2.16	2.00	.92	3.52	.83	1.43	.74	1.502
February ..	3.64	.92	.83	.86	1.98	.69	1.51	.98	1.37	.70	1.348
March ....	.85	1.64	1.21	1.93	1.26	3.18	1.00	.84	1.94	2.89	1.674
April .....	.96	1.60	.46	1.70	.87	1.55	.67	2.92	2.15	1.52	1.440
May .....	1.01	1.67	2.97	1.46	1.86	.75	1.29	1.75	1.61	1.21	1.558
June .....	2.03	1.52	3.60	5.84	.69	4.05	2.53	1.72	2.12	3.48	2.758
July .....	1.65	2.40	.90	5.47	1.87	.55	.31	1.13	3.49	3.11	2.088
August ....	3.13	1.91	2.78	4.28	1.29	2.36	1.45	1.63	2.93	1.63	2.339
September..	.78	1.42	1.06	2.22	.94	2.08	1.95	.88	1.07	2.15	1.455
October ....	1.51	2.40	1.04	4.77	1.66	.86	3.04	3.01	1.90	3.94	2.413
November..	1.57	.68	1.25	1.68	1.52	2.72	3.80	2.20	.78	.88	1.708
December ..	2.17	2.72	1.42	1.09	1.91	.58	2.02	2.75	1.51	2.34	1.851
TOTALS ..	21.48	19.53	18.11	33.46	17.85	20.29	23.09	20.64	22.30	24.59	22.131

1900 Poplar Church 1 mile <sup>E</sup> N.E.  
 Wall 10 ft high 45 ft S.E.  
 1901 Shaft 100 ft high 25 ft W  
 1902 " 200 ft " 100 ft <sup>E</sup> S.E.  
 1903 South Dock Station 5 1/6 mile <sup>W</sup> N.E.  
 1905 Poplar Station 5/8 mile N



RAINFALL at Poplar Island GardenCounty of LondonObserver London County Council  
at homeRiver Basin Thames - Left Bank Tributary 2Glow tube funnel on left Rain Gauge, by N 13

Diameter ...	5										
Height .....	4.6										
Altitude ...	..										
Year ..	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	1.44	.94	2.78	2.35	.43	3.16	.54	.75	2.26	2.47	
February ...	2.69	1.08	1.29	.79	2.42		2.80	2.92	1.00	2.35	
March .....	1.07	1.76	2.15	2.39	4.10		3.92	1.18	.96	3.14	
April .....	2.55	(1.56)	.05	2.41	1.16		1.07	1.53	2.98	2.82	
May .....	2.34	1.86	.91	1.58	1.78	3.82	2.37	3.10	2.36	.69	
June .....	1.66	2.28	2.49	.80	1.48	.80	2.29	1.97	1.07	1.58	
July .....	3.52	.22	1.18	2.32	1.34	3.84	1.44	3.27	7.86	2.77	
August .....	2.18	.90	4.22	2.00	1.12	3.53	5.16	3.92	1.00	2.13	
September ..	.74	1.26	2.06	1.74	.71	2.18	1.01	1.87	4.68	1.23	
October ...	1.52	3.17	1.71	4.02	1.01	1.78	2.95	2.88	1.16	.83	
November ..	2.38	3.01	1.12	2.58	2.72	1.83	4.30	1.03	1.58	1.03	
December ...	3.20	3.38	2.34	.88	5.52	5.60	2.07	.87	1.59	3.01	
TOTALS ...	25.29	21.42	22.30	23.86	23.79		20.12	22.66	28.50	24.05	
		imp 2						2		imp 2	

Met Incl Box 8ft high 2ft NE  
 1913 Range 50ft high 20 yards N.W.  
 1915 July - April Gauge not retained  
 Trees 30ft. 12 to 30 yds N.W.

N.B. Rejected from Survey as 1" low.

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
9/10			Greenwich	200	NW	Christ	100 yds	NE
1919	51° 5'	0		100 yds				

RAINFALL at Poplar Island GardensCounty of LondonObserver London County Council  
49 ParishRiver Basin Thames 2

1922-7 W.G. Lewis

Hang on Post ~~1922-7~~ Rain Gauge, by N. & J.

Diameter ...	5"										
Height .....	4.6	4.2				1.0					
Altitude ...	19	22	18			18					
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEANS.
January ...	(1.40)	1.63	2.07	.82	2.11	1.83					
February ...	(1.75)	.07	1.66	2.05	.38	2.14					
March .....	(1.24)	1.14	.80	1.81	.69	.68					
April .....	2.13	1.14	2.19	1.11	2.01	1.71					
May .....	imp	1.21	.81	1.17	1.80	1.13					
June .....	1.73	.39	1.00	.12	1.41	.09					
July .....	3.14	.15	2.56	2.05	2.73	3.89					
August .....	1.49	.56	1.83	1.27	1.53	2.25					
September...	3.23	1.33	1.20	.64	1.26	1.79					
October .....	1.04	.42	.88	2.88	2.62	2.26					
November...	.67	1.81	1.01	1.13	2.16	1.63					
December...	1.84	1.06	2.23	1.50	2.12	2.55					
TOTALS...		10.91	18.24	16.55	20.82	21.45					
	d	D	D	D	D	D					

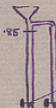
1920 Trees 40 ft high 35 yds N.W.

1923. Not printed, gauge moved 11.V.23.

1924. Not printed, too low

Gauge under repair Jan to May

Inspected 24.XI.23 3. under trees. The 2nd tube breaks.

N/3 Rejected  
from Survey  
as 1" Low.

scale floats.

Graduations incorrect .13 gives .11 in tube  
.25 " .21 " "  
.50 " .46 " "  
.70 " .64 " "

Only holds 1.6 in. 3. in from undulation

Suggested new gauge and chose good position.

New 2nd tube in use. Its chosen as above 1.9.24. Excellent reference.

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	52	0	Cubitt Town	230 yds	S.W.	Christchurch	275 yds	N
				1921. 175 yds			200 yds	N



RAINFALL at Poplar (Island Gardens)County of LondonObserver London County Council

F. H. G. Smith

River Basin Thames 2

M.O. Rain Gauge, by

New Gauge

Diameter ...					5						
Height .....					10						
Altitude ...					18						
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	<del>1930</del> 1930
January ...						1.53	1.93	1.49	2.61	.76	2.11
February ...						2.74	2.69	3.10	1.17	.33	0.86
March .....						.68	.11	2.01	1.35	.08	1.51
April .....						1.71	3.76	1.70	1.33	1.14	1.15
May .....						1.13	1.91	1.27	2.82	1.38	2.88
June .....						.09	2.98	2.41	2.17	.89	3.11
July .....						3.89	1.79	2.03	2.13	1.79	1.34
August .....						2.25	1.58	3.43	2.37	1.94	2.84
September...					X 2.66	1.79	2.36	4.16	.72	.20	3.18
October .....					3.21	2.26	2.84	1.11	2.94	2.40	0.98
November...					2.88	1.33	4.27	2.17	1.60	4.29	3.98
December...					2.61	2.55	.49	3.22	2.38	3.34	1.44
TOTALS...					..	21.95	26.71	28.10	22.62	18.54	25.38

1926 Tree 60 ft. high 54 ft. S. and 60 ft. high 84 yds. W.  
 Tree 6 " " 75 " E.  
 Lodge 40 " " 75 " N.

1930. Obs. taken at 10 a.m. in Summer.

" " " 9 " " Winter.

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			North Greenwich	300 yds.	SW.	Christchurch	500 yds.	NE.

POPULAR  
RAINFALL at Isle of Dogs (Island Gardens)County of London Observer London County CouncilRiver Basin Thames Left Bank. tribs 2Type of Gauge M.O.Annual Average 21.9 in. based on 8 years obs. un-weighted. Period of average 1881-1915 Ref. 3

668428/26

Diameter	5											
Height	10											
Altitude	18											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	
January	96	1.44	.86	1.18	1.01	3.27	3.26	2.20	4.07	1.71	2016	
February	1.49	0.18	1.27	0.14	1.87	1.37	3.93	.65	1.02	1.26	1318	
March	.24	1.25	2.01	1.61	.69	1.00	2.98	.29	1.14	3.52	1473	
April	3.40	2.14	.64	1.97	2.82	1.44	2.31	.10	2.37	1.73	1892	
May	2.63	3.95	1.75	0.29	1.51	.21	3.70	1.30	1.45	1.05	1784	
June	1.07	0.51	1.81	2.66	2.52	3.29	1.80	.33	1.20	.99	1618	
July	2.03	2.76	1.27	0.78	.51	2.59	.91	1.47	2.32	3.15	1779	
August	4.78	2.09	.35	1.71	2.09	.58	1.51	1.81	3.70	.13	1875	
September	1.43	1.89	2.85	1.08	2.59	3.11	1.36	3.04	1.19	1.19	1973	
October	.67	5.26	1.19	1.00	2.35	1.63	2.23	1.63	5.89	2.01	2386	
November	2.19	0.87	.87	1.92	3.42	3.00	1.47	2.90	3.52	6.40	2656	
December	.64	0.43	.31	4.37	2.18	1.64	3.92	2.09	1.04	1.05	1767	
TOTALS	21.53	22.77	15.18	18.71	23.56	23.13	29.48	17.91	28.91	24.19	22537	K17.
	D.	D.	D.	D.	D.	D.	D.	D.	D.	D.	D.	

1931. Plane tree 60' high 54'S. Oak paling fence 6' high 75'E. Lodge 40' high 75'N.  
Plane tree 60' high 90'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
1931.			Greenwich	1/2 m	S.S.W.	Christ Church Isle of Dogs.	500 yds.	N.E.

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

Station No. 54. MT

RAINFALL at POPLAR Gole of Dogs (Island Gardens) (2A)

County of London Observer London County Council

River Basin Thames Left Bank, Tiers 2

Type of Gauge M.O.

Annual Average 21.9 in. based on 2 years obs. un-weighted. Period of average 1881-1915 Ref. 5

File No. 668428/26

Diameter	5			2 1/2	0 2/7						
Height	1				1						
Altitude	18				41						
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	2.48	1.91	4.27	1.15	1.61	1.69	1.35	2.56	.77	.94	12.73
February	1.63	.63	1.28	.74	1.02	2.51	1.35	1.11	.91	3.01	14.19
March	2.74	2.14	.26	.05	.90	1.17	4.56	.55	.83	.67	13.87
April	1.62	.75	.79	1.22	.77	1.65	1.19	.96	1.54	2.44	12.93
May	1.62	2.52	1.81	.75	1.62	3.50	1.08	1.48	1.65	1.38	17.41
June	1.97	.31	1.20	1.57	1.12	1.97	2.74	1.99	.53	1.48	14.88
July	2.82	2.19	2.04	1.29	2.29	2.21	.97	.83	1.33	2.93	18.90
August	4.38	1.64	1.24	2.19	1.13	4.67	.07	3.61	1.29	.94	21.16
September	.66	1.18	1.74	2.39	.98	2.14	1.24	.77	.67	2.09	13.86
October	.58	3.86	2.04	2.43	1.27	.79	.17	1.98	5.05	.32	18.49
November	2.28	2.04	1.11	2.85	.13	2.62	1.03	1.67	1.99	4.75	20.47
December	1.65	2.07	1.44	.80	1.86	1.77	2.07	1.99	1.40	1.37	16.42
TOTALS	24.43	21.24	19.22	17.43	14.70	26.69	17.82	19.50	17.96	22.32	201.31

444 n.p.s.

4/45. Inspection. Tunnel becomes hole, during tube detached. Gauge beyond repair (barage partly due to damage from wind).  
 Some shelter for nearby plane trees, no better site available (New g. installed as recommended)

1945. N.P. Low.

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. 5A. MT.

RAINFALL at POPLAR Isle of Dogs (Island Gardens)

51

County of London Observer London County Council.River Basin Lower Left Bank Trib. D.Type of Gauge M.O.Annual Average 21.9 in. based on 8 years obs. ~~un~~-weighted. Period of average 1881-1915 Ref. SFile No. 68428/26

Diameter ...	5"			246	027						
Height ...	1' 0"				1						
Altitude ...	18'				51						
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	2.13	1.61	.82	1.11	2.20	2.98	1.27	1.55	1.79	1.44	16.90
February ...	5.49	.85	1.37	2.03	1.15	.19	2.32	2.36	.04	1.62	17.42
March ...	2.58	2.13	.44	1.73	.92	.95	.63	1.19	1.20	1.69	13.46
April ...	2.55	.89	2.16	.32	.39	.93	.13	1.32	1.74	0.46	10.89
May ...	1.77	.90	1.43	1.69	3.40	.44	.77	2.02	.75	1.87	15.54
June ...	1.07	1.42	1.00	2.55	1.84	2.29	.57	4.33	.73	1.01	16.81
July ...	1.29	.55	3.72	2.28	.05	3.24	3.94	2.13	1.11	2.48	20.79
August ...	2.74	3.13	1.30	4.86	.84	3.22	1.98	4.30	3.02	3.84	29.23
September ...	2.91	2.38	1.90	2.09	2.36	1.85	2.16	4.11	.14	5.25	25.15
October ...	.77	2.19	3.51	1.45	2.97	.85	1.59	2.32	1.72	5.11	22.48
November ...	4.07	3.54	.78	3.22	.22	.46	2.18	1.68	2.32	3.29	21.79
December ...	1.70	1.94	.53	1.08	1.49	2.45	1.50	2.62	2.74	2.02	18.07
TOTALS ...	29.07	21.56	18.96	24.41	18.33	19.85	19.04	29.93	17.30	30.08	228.53
	D	D	D	D	D	D	D	D	D	D	

1951 Plane tree 60', 54' S; Oak Paving Fence 6', 75' E; Lodge 82', 75' N; Plane tree 60', 84 yd W.

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference KQ(5) 386783

Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge.
1951			Greenwich	2 1/2 S 13	Church	500 yd NE

Summary of Earlier Records from 10-year Sheets :

London & S.E. 1911-1921

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
C Jan. 1908.	✓ NP imp 15 ✓ burd 11/19	✓ NP imp 20 ✓ 25/26	✓	✓ NP 14/15	✓