

RAINFALL AT Chelsea Pumping Station

Lat. _____

Lon. _____

County of Middlesex

Rain Gauge, by _____

Observer A. R. Bunnie Esq. C.E.

LONDON

2 - Thames - Left Bank Side

Diameter		8									
Height		1.0									
Altitude		19 π									
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January		1.38	.52	1.42	2.81	1.64	.64	1.84	.70	2.51	
February ....		.01	1.42	2.67	1.67	.13	.28	2.29	1.14	1.94	
March		1.52	.97	.39	.91	1.11	2.88	3.45	1.18	.41	
April .....		.82	1.02	.06	1.46	1.52	.51	1.95	.84	2.50	
May		2.60	1.61	.53	1.42	.55	.14	1.16	2.32	1.46	
June		1.31	2.37	.73	1.93	.26	1.65	1.69	.98	.66	
July		3.59	1.42	2.09	2.66	3.83	1.37	.70	.85	1.52	
August		4.18	3.26	1.84	3.07	2.60	1.63	2.74	.85	.42	
September....		1.08	2.39	1.02	1.07	1.47	5.83	2.79	.29	3.02	
October		4.60	3.79	4.07	4.19	3.12	2.76	.53	2.87	2.06	
November		2.13	2.46	2.03	2.73	2.92	1.17	.97	2.16	4.10	
December		3.06	1.32	1.98	2.01	2.18	3.34	2.04	2.34	1.16	
TOTALS		26.28	22.55	18.83	25.93	21.33	22.20	22.15	16.52	21.76	

1891 St. Georges Ch. St. Georges Square 58 mile E
 Shaft 132 ft high 140 ft S.W.

RAINFALL AT

Western
Chelsea Pumping Station

Lat.

Lon.

County of *Middlesex*

London North of the Thames 1903

Rain Gauge, by

Observer *S. A. R. Binnie & Co.*

Thames - 2.

Maurice Fitzmaurice & Co.

Diameter ..	8										
Height	10										
Altitude ..	19 ft										
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	2.64	.68	.60	2.20	2.16	1.19	3.43	.71	1.65	.72	1.598
February ..	3.93	.84	.91	.81	2.35	.64	1.60	1.13	1.53	.47	1.421
March ....	.86	2.04	1.44	2.11	1.67	3.55	1.02	.97	2.38	2.79	1.883
April .....	.85	1.75	.43	1.98	1.13	1.56	.65	3.18	2.21	1.84	1.868
May .....	.92	.54	2.63	3.41	2.04	.80	1.16	1.79	1.78	1.49	1.656
June	2.37	1.77	3.28	5.76	.78	4.79	2.73	2.49	1.55	2.96	2.848
July	1.00	3.79	1.28	4.44	1.80	.75	.70	1.09	3.17	3.43	2.145
August	1.96	1.82	2.96	4.77	1.46	3.14	.94	1.80	2.57	1.41	2.283
September ..	.89	1.62	1.12	2.42	1.02	1.61	1.53	.61	1.24	2.08	1.414
October	1.56	2.28	1.45	5.42	1.52	1.11	3.10	2.73	2.15	3.74	2.506
November ..	1.71	.61	1.76	1.91	1.73	3.18	3.74	1.99	.58	.65	1.786
December ..	2.42	2.96	1.50	1.30	2.02	.73	2.00	3.10	1.93	2.22	2.017
TOTALS ..	21.11	20.70	19.36	36.53	19.68	23.05	22.60	21.59	22.84	23.80	23.126

1902 St. George's Square Ch 5/8 mile E

Shape 132 ft high 100 ft S.W.

1903 Grosvenor Road Station adjoining E

Westminster, Western
RAINFALL at Chalson Pumping Station

County of LondonObserved by M Fitzmaurice Esq C.M.B.
London County CouncilRiver Basin Thames - Left Bank Tributary 2

Rain Gauge, by _____

Diameter ...	8												
Height	1.0												
Altitude ...	197												
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	1916-19	SUMS
January ...	1.54	1.16	3.57	2.54	.45	3.85	1.21	1.16	2.69	2.49	2.066	7.55	
February ...	2.58	1.35	1.55	.73	2.26	3.13	3.19	.78	.85	2.02	1.844	6.84	
March .....	.87	1.45	2.44	2.21	3.74	.57	3.56	1.81	.89	2.97	2.051	9.23	
April	1.52	1.49	.04	2.42	.73	1.18	1.10	1.80	3.21	2.42	1.591	8.53	
May	2.08	1.30	1.15	1.49	1.66	2.45	1.72	2.35	1.72	.20	1.612	5.99	
June	1.97	2.30	3.22	.42	1.73	.72	1.49	1.61	.92	1.40	1.578	5.42	
July	2.71	1.92	1.26	1.53	1.27	3.74	1.15	3.95	6.79	2.55	2.687	14.44	
August	2.54	.59	4.78	1.48	1.57	2.34	4.84	3.68	1.43	1.76	2.501	11.71	
September ..	.51	1.14	1.86	1.66	.67	1.75	1.40	2.22	5.00	.86	1.707	9.48	
October	1.76	2.96	1.94	3.08	.93	2.16	3.07	2.89	1.20	.63	2.062	7.79	
November...	3.03	3.23	1.45	2.09	3.00	2.10	3.93	1.29	1.99	1.13	2.324	9.34	
December...	3.03	4.39	2.91	.86	5.48	5.42	2.29	.99	1.95	2.98	3.030	8.21	
TOTALS ...	24.14	23.28	26.17	20.51	23.49	29.41	28.95	24.53	28.64	21.41	25.053		

1916
1916

Shaft 132 ft high 140 ft S.W.
 18" 20" S.W.

103.53

Date.	Lat. N.	Long. W.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1910	51.29.9	0.8.47	Prosser Rd - Harrow Sq	Near 1150 yds	N E W E N W	St George Sq St Barnaby	1/2 mile 1/2 "	E NW

RAINFALL at ~~Chiloes~~ Western Pumping Station

County of London

Observer: Geo. W. Gwynne L.M.S.
London County Council

River Basin *Thames* 2

London County Council

8.00 } Sound No. Rain Gauge, by
6.00 }
6.00 }
Hypsograph stood 5 ft above pathway.
ie about 10 ft above water level.

Glasses both read to low $\cdot 50$ standard $\equiv \cdot 49$
 $\cdot 40$ " $\bar{x} \cdot 39$

Diameter ...	8											
Height	1.0											
Altitude ...	19											
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	Mean
January ...	2.21	1.65	2.14	1.30	2.66	1.54	2.18	1.49	2.89	.77	2.41	1.93
February ...	.46	.19	1.84	2.60	.48	2.63	2.62	3.07	1.31	.43	0.51	1.47
March	1.20	.99	1.55	2.06	.75	.63	.19	2.32	1.34	.00	1.44	1.13
April	2.36	1.21	2.65	1.33	2.85	1.40	2.81	1.84	1.13	1.10	1.23	1.81
May .....	.59	1.21	.97	2.09	2.74	1.41	1.61	1.20	2.21	1.16	3.19	1.67
June	1.43	.22	1.10	.38	2.21	.11	3.14	2.57	2.14	.94	1.96	1.47
July	3.78	.09	3.56	2.77	2.88	3.45	1.76	2.66	2.11	1.44	1.76	2.39
August	1.86	.95	1.93	1.23	2.34	2.54	1.64	3.43	2.64	1.70	2.30	2.05
September...	3.31	1.98	1.86	.98	2.30	1.92	1.16	4.09	.67	.16	2.98	1.95
October.....	.78	.72	.78	5.05	3.97	2.40	2.11	1.23	3.26	2.64	0.94	2.17
November...	.92	2.03	1.23	1.44	2.26	1.52	4.89	2.37	1.45	4.88	3.73	2.46
December...	1.71	.96	3.08	1.91	2.86	2.36	.24	3.42	2.18	3.80	1.50	2.18
TOTALS...	20.61	12.20	22.69	23.14	28.30	21.91	24.35	29.69	23.63	19.02	23.95	22.68

Shaft 132 ft high 140 ft S.W

Tree 18 " " 20 " S W

Dissected 5.11.63
The granges stood on the edge of peat bog
across pond - the water being about 5 ft. below
surface. The whole pond was in slight hollow
so that small topography was at the
same level as surrounding ground. While it was
not considered that the position was in any way
ideal, it was apparently less suitable than was not ideal.
Another position was chosen on a flat lower level
about 10 ft. above the water level.

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°29'9"	0°8'41"	Grosvenor Rd Sloane Sq	near 11507d	E NW	St. Georges Sq St. Barnetby	5/8 mi 1/2 mi	E NE

WESTMINSTER

RAINFALL at Western Pumping Station

County of London

Observer London County Council

River Basin Thames Left Bank Tribs 2

Type of Gauge Glaisher (+A)

Annual Average ~~1881~~ in. based on ~~47~~ years obs. un-weighted. Period of average 1881-1915 Ref. ~~8~~

660627/26

Diameter	8											
Height	10									1.9		
Altitude	19											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Sums	Means
January	1.00	1.32	1.03	1.06	.91	3.68	2.97	2.33	4.18	1.80	20.28	
February	1.40	0.16	1.57	0.22	1.88	1.24	3.93	.49	1.02	1.24	13.15	
March	.16	1.17	2.09	1.76	.34	1.06	2.62	.26	1.18	3.45	14.09	
April	3.51	2.35	.78	1.70	2.62	1.37	2.05	.06	2.01	1.83	18.28	
May	2.61	3.89	1.49	0.41	1.25	0.43	2.40	1.23	1.43	1.00	16.14	
June	1.45	0.66	1.75	0.95	3.20	2.52	1.73	.37	1.36	.36	14.35	
July	2.21	2.39	1.33	1.70	.59	2.57	.56	.67	2.05	3.05	17.12	
August	3.68	1.66	.55	1.83	1.86	0.39	.78	2.51	2.76	.07	16.09	
September	2.16	1.95	3.20	1.46	2.52	2.40	1.61	2.32	1.79	1.04	20.45	
October	.68	4.84	1.34	0.83	2.29	1.70	2.07	2.20	5.34	2.18	23.47	
November	2.18	1.02	.73	1.74	3.55	2.86	1.13	3.30	4.44	6.95	27.90	
December	.68	0.42	.32	4.35	2.31	1.70	3.82	2.60	0.92	1.14	18.26	
TOTALS	21.72	21.83	16.18	18.01	23.32	21.92	25.67	19.34	28.48	24.11	219.88	18.7
	D.	D.	D.	D.	D.	D.	D.	D.	D.	D.	D.	940

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. 33

RAINFALL at WESTMINSTER Western Pumping Station (+A) 41

County of London

Observer London County Council

River Basin Thames Left Bank Tribs 2

Type of Gauge Snowdon (+A)Annual Average 8 in. based on 2 years obs. un-weighted. Period of average Ref.

File No. 660627/26

Diameter	8"			246	277							
Height	1' 9"				1							
Altitude	20'	16.5			41							
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	3 yrs Means	
January	224	2.11	4.74	1.47	1.25	1.32	1.40	2.51	.74	.88	13.66	
February	170	.90	1.32	.66	.85	2.15	1.47	1.06	.80	3.00	13.91	
March	319	2.20	.30	.05	.76	1.02	4.54	.52	.91	.51	14.00	
April	138	.73	.96	1.09	.93	1.74	1.50	1.03	1.47	2.18	13.01	
May	153	2.45	1.98	.79	3.65	3.28	1.05	2.23	1.84	1.48	20.28	
June	171	.65	1.54	1.56	1.42	2.49	2.37	1.86	.69	1.53	15.82	
July	463	1.37	1.28	1.60	3.00	1.32	2.23	.92	.78	3.32	20.45	
August	514	1.90	1.06	2.68	1.10	4.26	.10	2.67	1.21	1.59	21.71	
September	50	1.24	1.96	2.72	1.10	3.06	1.20	.98	.38	2.37	15.57	
October	63	3.69	2.70	2.61	1.83	1.20	.05	2.16	5.15	.28	20.25	
November	220	2.11	1.18	3.51	.12	2.73	.99	1.49	2.16	4.53	21.02	
December	159	2.25	1.38	1.07	2.35	1.85	2.07	2.49	1.20	1.46	17.71	
TOTALS	2650	21.60	20.40	19.81	18.36	26.42	18.97	19.92	17.33	23.08	22.39	

1942 Low Buildings 25' high 50' E.W. & 200' N.E.

1943 Store and office buildings 30 ft. high, 60 ft. W
18 ft high, 40 ft. E

1947. Cottages 30' high 100' N. Store 30' high 60' E. Office 15' high 60' W. Engine Ho. 75' high 250' S.

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	Parish Church.	Distance from gauge.	Direction
1942			Victoria	1/2 ml.	N.	Pimlico St. Barnabus.	3 1/2 ml.	N.E.
1949			Victoria	1 m.	N.	Pimlico	1 1/2 m.	NNW.

BRITISH RAINFALL ORGANIZATION

Station No. 33

RAINFALL at WESTMINSTER Western (Pumping Station) (A)

51

County of London Observer London County Council

River Basin Thames Left Bank Trib. 2.

Type of Gauge Smeaton (A)

Annual Average 2 in. based on 22.43 years obs. un-weighted. Period of average 1916-1950 Ref. 2

File No. 46085/26 E22455/58

Diameter ...	8"	246	277								
Height ...	1' 9"		1			*					
Altitude ...	7'		51	16.5"							
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	2.53	1.48	.80	.96	(2.56)	3.24	1.35	1.79	2.14	1.44	13.29
February ...	5.12	.66	1.10	2.10	(1.35)	.27	2.71	2.08	.05	1.75	17.19
March ...	2.78	2.29	.49	2.14	.81	.83	.82	.99	1.72	1.59	14.46
April ...	2.45	1.04	2.31	.24	.27	.90	.15	1.36	2.13	0.55	11.40
May ...	1.95	1.46	1.23	1.69	4.31	.35	1.13	1.90	.69	1.64	16.35
June ...	.91	1.84	1.77	3.76	2.11	1.54	1.17	4.80	.82	1.07	19.79
July ...	1.19	.57	3.93	2.39	1.21	4.27	3.52	1.73	1.07	3.10	22.98
August ...	2.64	3.11	1.47	4.18	1.11	3.21	1.96	4.15	1.67	3.91	27.41
September ...	2.97	2.59	1.86	1.52	1.82	1.73	2.19	3.23	.09	4.07	22.07
October ...	.85	2.56	5.42	2.18	2.57	1.52	2.73	2.45	1.69	5.12	27.09
November ...	4.53	3.10	.51	2.98	.53	.38	1.92	1.20	2.27	3.27	20.68
December ...	1.60	2.15	.47	1.61	1.69	1.86	1.95	2.86	2.91	1.94	19.04
TOTALS ...	29.51 d	22.85 d	21.36 d	25.78 d	20.34 d	20.10 19.85 d	21.60 D	28.54 ap	17.25 d	29.45 d	236.75

1951 Cottage 30', 100' N; Old Stone 15', 30' E; Office 15', 60' W; Engine Hse 200', 150' S;
 1954 Jan. Feb. est. M. 0.32.
 * 1956 datum station 1' 2" below ground.
 Insp. S. 12.26 P.H.G. Deeds
 1958 np low + T.M.E.

Position of Station on Ordnance One-Inch map :

No. of Map

National Grid Reference TQ (51) 286/81

Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge.
1949			Victoria.	1/2 m N.	Pimlico	1/2 m. N.W.

Summary of Earlier Records from 10-year Sheets :

1916-1950, P - accepted

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
Jan. 1891.	✓	✓	✓	✓*	
formerly Chelsea Pumping Sta.	✓	✓	✓	✓ but d. 142 + 145	