

RAINFALL AT

Forest Hill Bar Beacon

Lat. _____

Lon. _____

County of

Kent

Rain Gauge, by _____

Observer

J. W. Resister Esq. C.E.

LONDON 1/ Thames - Right Bank.

Diameter	5											
Height	10											
Altitude	344 ft											
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January	2.00	1.50	.54	1.72	2.73	1.41	.80	1.67	.80	2.67	1.584	
February ....	.82	.04	1.35	2.92	1.64	.17	.37	1.99	1.18	1.80	1.228	
March	1.91	1.85	.80	.35	.84	1.25	3.10	3.39	1.27	.55	1.531	
April	1.77	.62	1.17	.04	1.43	1.60	.73	1.34	.96	2.67	1.233	
May	1.41	3.16	1.54	.46	1.42	.63	.17	1.48	2.75	1.50	1.452	
June	2.94	1.25	2.47	1.01	2.12	.26	1.90	2.41	1.53	.98	1.687	
July	5.30	3.82	2.07	3.78	3.11	3.51	1.13	.79	.82	.71	2.504	
August	2.14	3.64	3.37	1.25	2.79	2.32	2.47	3.17	1.08	.41	2.264	
September....	.63	.94	2.19	1.24	1.18	.84	5.46	2.71	.27	2.53	1.799	
October	1.15	4.81	3.83	4.33	4.54	2.86	2.75	.53	2.73	2.24	2.977	
November....	1.54	2.14	2.29	2.06	3.12	3.05	1.39	1.07	2.45	3.95	2.306	
December ....	.43	2.87	1.22	1.94	2.02	2.27	2.80	2.43	2.50	1.38	1.986	
TOTALS	22.04	26.64	22.84	21.10	26.94	20.17	23.07	22.98	18.34	21.39	22.551	

RAINFALL AT Forest Hill Barr Beacon

London South of the Thames 1903

Lat.

Lon.

County of Kent

Snowdon Rain Gauge, by

Observer J.W. Rafter Esq. C.E.

Thames - 1. Ran slightly dented otherwise accurate in chain.

Metropolitan Water Board

Diameter ..	5											
Height	10											
Altitude ..	344											
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.	
January ..	2.34	.72	.58	2.20	2.63	1.19	3.61	.93	1.45	1.02	1.667	
February ..	2.88	.74	.68	1.33	2.33	.75	1.64	1.28	1.48	.58	1.369	
March ....	.79	1.98	1.60	2.10	1.38	3.63	1.02	1.10	2.16	2.63	1.839	
April .....	.81	1.74	.50	1.95	1.15	1.83	.59	3.45	2.08	1.83	1.593	
May	1.13	1.42	2.74	2.42	2.05	1.13	1.59	1.72	1.70	1.30	1.720	
June	2.61	1.59	3.37	5.08	.84	4.78	2.64	2.75	2.20	3.50	3.036	
July	1.27	1.32	1.66	4.10	1.55	.77	.52	.92	3.82	3.22	1.915	
August	2.57	1.88	2.94	4.29	1.62	2.99	1.44	2.12	3.61	1.64	2.510	
September ..	.74	1.35	2.67	2.31	1.36	1.75	2.13	.77	1.34	2.88	1.730	
October	1.70	2.62	1.52	5.01	1.74	1.02	3.22	3.16	2.23	3.98	2.610	
November ..	2.02	.74	1.36	2.10	1.65	3.09	4.16	2.23	.80	.76	1.891	
December ..	2.36	3.06	1.47	1.36	2.16	.58	1.92	2.51	2.00	2.29	1.971	
TOTALS ..	21.22	19.06	21.09	35.25	20.46	23.51	24.48	22.94	24.87	25.63	23.851	

Inspected 30.3.08 H.R.M. g. set at 1 ft. at top of gentle slope, otherwise well placed.
Advised moving to centre of covered reservoir

RAINFALL at Lewisham Forest Hill Barr BeaconCounty of LondonObserver Metropolitan Water Board
*W. H. H. H.*River Basin Thames - Right Bank Tributary 1

Rain Gauge, by _____

	Diameter ...	5										
	Height	10				3.3						
	Altitude ...	344										
1916-19	Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
7.67	January ...	1.74	1.20	3.04	2.58	.55	3.46	1.11	1.12	2.70	2.74	2.024
8.02	February ...	2.93	1.33	1.63	.85	2.48	3.37	3.29	.93	1.05	2.75	2.061
9.20	March	1.04	1.76	2.66	2.46	4.04	.76	3.72	1.50	1.00	2.98	2.192
8.44	April	1.58	1.76	.02	2.64	.91	1.37	1.12	1.88	2.87	2.57	1.672
6.85	May	2.15	1.06	1.18	1.23	1.59	2.94	2.30	2.40	1.91	.24	1.700
7.62	June	2.58	2.59	2.90	.55	2.62	.44	2.80	2.88	1.10	1.44	1.960
16.56	July	2.66	.43	1.58	1.42	1.74	3.53	1.49	4.99	7.29	2.79	2.792
14.09	August	2.51	1.82	4.63	2.12	1.21	2.58	4.57	4.72	2.27	2.53	2.896
8.60	September ..	.80	1.27	2.17	1.57	.81	2.18	1.13	1.90	4.38	1.19	1.740
8.70	October ...	2.41	3.59	2.18	3.93	1.05	2.23	3.16	3.07	1.66	.81	2.409
9.90	November ...	3.02	3.38	1.84	2.70	3.11	2.63	4.76	1.60	2.19	1.35	2.658
9.37	December...	2.97	4.26	2.77	.95	6.30	5.25	2.29	1.07	2.52	3.49	3.187
115.02	TOTALS ...	26.69	24.45	26.60	23.00	26.41	30.74	31.74	27.46	30.94	24.88	27.291

+ Inspected

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.

Res. (1930)

Observer Metropolitan Water Board
(not Ben Bacon)
in 1922

(not born in 1922)

4.96 }
5.05 }
5.01 }

7309

good condition

but no inner can. (Bottle holds about 2.5 ml.)

$\left\{ \begin{array}{l} \text{Standard} \\ .50 - 4.96 \\ \text{otherwise} \\ \text{has been correct} \end{array} \right\} 6.$

Diameter ...	5						5					5				
Height	3.3		1.3				1.3					1				
Altitude ...	340					337		339				338.66				
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930					
For July																
January ...	2.32	1.91	2.35	1.36	2.79	1.74	2.29	1.93	3.43	.89	2.53	2.14				
February ...	.66	.15	1.88	2.90	.71	3.57	2.94	3.83	1.39	.62	.66	1.75				
March	1.69	1.39	1.56	2.26	.60	.72	.24	2.31	1.68	.07	1.71	1.29				
April	2.84	1.34	2.83	1.54	3.35	2.23	4.27	2.14	1.46	1.12	1.78	2.27				
May .....	.86	1.76	.92	2.36	3.68	1.84	1.76	1.26	2.98	1.33	3.45	2.02				
June	1.76	.33	1.59	.54	2.28	.16	3.03	3.48	2.40	1.03	3.23	1.83				
July	3.68	.19	3.74	2.64	2.96	3.63	1.94	2.63	2.22	1.69	2.36	2.52				
August	1.88	.72	2.41	2.43	2.59	2.97	7.23	4.55	2.74	1.99	2.69	2.47				
September...	3.50	1.71	2.03	1.36	3.08	2.16	1.70	4.68	.92	.25	4.56	2.36				
October	1.01	.90	1.14	5.23	3.26	2.78	2.49	1.42	4.03	2.79	1.41	2.41				
November...	1.08	2.18	1.40	1.67	3.37	2.20	4.94	2.65	1.68	5.36	4.60	2.83				
December...	2.17	1.29	3.09	2.11	2.62	2.78	.47	3.48	2.65	4.69	1.73	2.46				
TOTALS...	23.45	13.87	24.44	26.40	31.29	26.78	28.30	34.36	27.88	21.83	30.71	26.38				

Inspected L.S. eq. 6-22. P. at top of bank facing S. in 30 ft. to E. with trees
1930. Redwin entrance. 12 ft. high 36" at bottom. 14 ft. 8 ft. high 30 ft. S. were nesting 4 ft. high 4 ft. W.
10 ft. 70 ft. W.

Hedge E. W 13' high 35'S.

Wire net fence to ^{2.5} high
4' 6" w.

L 10' high 25' S.E.

Co. taken in Winder 9 a.m., in abundance 10 a.m. Examining as satisfactory as above. Hysteronymph in similar

2 suspected $\gamma^2 = 19.81 - 23$.

position about 30 yds away

Inspected 29 June 30.9.24

Inspected by: M. X. 26

*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
1930			Honor Oak	560 yds.	N.W.	St. Augustine's	750 yds.	N.N.E.

LEWISHAM

RAINFALL at Forest Hill Reservoir

County of London

Observer Met. Water Board

River Basin Thames Right Bank tribs

Type of Gauge Snowdon + A

Annual Average ~~24.6~~ in. based on 43 years obs. un-weighted. Period of average 1881-1915 Ref S

883895/28

Diameter	5											
Height	10											
Altitude	339			339								
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Sums	Means
January	1.17	2.00	1.53	1.65	1.27	3.57	3.41	2.51	3.81	1.71	22.63	
February	1.54	.35	1.60	0.25	2.52	1.49	2.01	.62	1.11	1.15	14.64	
March	.60	1.96	2.08	2.19	.52	1.06	2.93	.40	1.22	4.75	17.71	
April	3.76	2.60	1.03	2.48	3.14	1.56	2.30	.09	2.49	2.13	21.58	
May	3.04	5.27	2.81	0.48	1.46	0.38	3.16	1.34	1.90	1.14	20.98	
June	1.61	0.69	2.34	1.97	3.34	2.94	1.47	.43	1.35	.83	17.52	
July	2.78	3.48	1.56	2.32	.73	3.20	1.66	1.35	2.65	3.74	23.47	
August	5.68	2.09	.53	2.00	2.13	0.65	1.05	1.70	2.95	.16	18.94	
September	2.13	2.64	2.75	1.26	2.92	2.94	1.86	3.11	1.53	1.49	22.63	
October	.96	5.79	1.65	1.33	3.39	2.24	2.71	2.36	6.04	2.42	28.89	
November	2.27	1.14	.92	2.18	4.14	3.19	1.52	2.24	4.56	7.61	29.77	
December	1.05	0.64	.36	4.73	2.74	2.53	3.95	2.32	1.07	1.28	20.67	
TOTALS	26.59	28.65	19.16	22.84	28.30	25.75	30.53	18.52	30.68	28.41	259.43	27
	D.	D.	D.	D.	D.	D.	D.	D.	D.	D.	D.	

1931. Reservoir entrance 12' high 36' N. Hedge 6' N 13' high 35' S. Wire net fence 4' high 46' W.

Trees 10' high 25' S.E.

Imp. 7/2/35:— S. satisfactory. First measure should be replaced by standard paper. Exposure unorthodox but doubtful if improvements could be made as ground slopes to south.

New measure ordered 4 sent. 23/2/35

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.			Stone Oak.	560 yds.	N.W.	St. Augustine's	750 yds.	N.E.

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

Station No. 19

RAINFALL at LEWISHAM Forest Hill Reservoir ✓

41

County of London

Observer Met. Water Board

River Basin Thames Right Bank Subs. 1.

Type of Gauge Snowdon (t.B.)

Annual Average 3 in. based on years obs. un-weighted. Period of average

Ref.

File No.

Diameter	5"			2 3/8	6 7/8						
Height	1'0"				1						
Altitude	339'				41						
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	3 yrs Means
January	2.47	2.38	5.07	1.48	1.41	1.80	1.19	2.65	.82	1.01	2.025
February	1.66	.60	1.72	.92	1.39	2.39	1.47	1.50	.91	4.02	16.58
March	2.91	2.27	.32	.02	1.13	1.15	4.87	.84	.82	.62	14.95
April	1.47	.94	.94	1.45	1.05	1.94	1.54	1.05	1.82	2.50	14.70
May	1.76	2.80	2.47	.82	2.11	3.62	1.16	1.75	1.95	1.46	19.90
June	2.02	.67	1.23	1.98	1.52	2.09	2.92	2.00	.81	1.57	16.81
July	4.07	2.32	1.68	1.56	3.36	1.81	1.13	1.15	.83	2.68	20.59
August	4.54	2.40	1.55	2.81	1.31	4.41	.15	4.18	1.15	1.36	23.86
September	.74	1.64	1.95	2.82	1.63	2.90	1.14	1.07	.54	2.95	17.38
October	.74	4.00	2.22	3.55	1.98	1.14	.08	2.33	5.36	.38	21.78
November	2.52	2.07	1.21	3.94	.15	3.17	1.20	1.62	2.23	4.96	23.07
December	1.93	2.65	1.50	1.50	3.27	2.19	2.19	2.42	1.38	1.54	20.57
TOTALS	26.83	24.74	21.86	22.85	20.31	28.61	19.04	22.56	18.62	25.05	230.47

94.2 Reservoirs Entrance 12' high 36' N. Hedge E.W. 13' high 35' S. Wire net fence 4' high
 Incess 10' high 25' S.E. 4' 6" 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			Honor Oak	560 y.	N.W.	St. Augustine's	750 y.	N.N.E.

BRITISH RAINFALL ORGANIZATION

Station No. 19 T.F.86

RAINFALL at LEWISHAM Forest Hill Reservoir

51

County of London

Observer Mr. Water Board.

River Basin Thames Right Bank Trib. 1.

Type of Gauge Smeeth (12) H.I.

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

File No. E 92624/55

Diameter in.	5			288	875						
Height ft. in.	1 0				1						
Altitude ft.	339				51						
Year	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January	2.72	1.84	.94	1.10	2.18	3.09	1.49	1.64	2.03	1.44	18.47
February	6.61	.86	1.24	2.01	1.38	.19	2.37	2.28	.09	1.45	18.48
March	2.62	2.32	.54	1.73	.99	1.07	.89	1.24	1.52	1.69	14.60
April	2.55	1.11	2.31	.27	.33	1.19	.27	1.40	1.91	0.59	11.93
May	2.06	1.75	1.96	2.15	4.27	.49	1.21	2.06	.90	2.06	18.91
June	1.10	1.38	1.35	2.52	1.94	2.86	.96	4.44	.81	1.23	18.59
July	1.57	.67	3.54	2.94	.60	4.48	2.81	2.47	1.28	4.00	24.36
August	3.13	2.76	1.41	3.15	1.08	3.18	2.59	3.10	1.69	3.04	25.13
September	3.47	2.95	2.40	2.07	2.54	2.18	2.25	4.83	.05	4.57	27.31
October	.98	2.56	3.40	1.80	3.37	1.41	1.78	2.56	2.05	5.26	25.21
November	4.59	3.22	1.17	3.71	.33	.47	2.33	1.89	2.74	3.76	24.21
December	2.15	2.06	.46	1.19	1.72	2.46	2.03	2.80	3.25	2.22	20.44
TOTALS	33.55	23.48	20.72	24.64	20.73	23.07	20.98	30.71	18.32	31.44	247.64
	D	D	d	ol.	d	d	d	d	d	d	d

Ins. 5/54. G. sound. Situated 6' from edge of reservoir with steep drop to SE. Good shelter, in other direction. G. to be moved back 16 yards. Rec. carried out 8.12.54.

(NSP. MAY 1958. JBOK. Chert 40', 55' WSW. N.W. at Cham. good.

Insured 11.12.54 H.W.B. G. same to site selected.

Insured 3.10.60 by 30th letter alt of NE → ENE otherwise satisfactory

Position of Station on Ordnance One-Inch map :

No. of Map 171

National Grid Reference 51/352736

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge
1922.			Honor Cal.	560 y.	N.W.	St Augustines	750 y.	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
capit. 1989	✓	✓	✓	✓	✓
	✓	✓	✓	✓	✓