

RAINFALL at Epsom Water Works

County of Surrey

Sewage Works, Hook Rd (1916).

Observer W. Vause Graham Esq C.E.

River Basin Thames - Mole 5

Elevation Esq

Snowdon Rain Gauge, by N+3
Coxell

Diameter ...	5						8						
Height	3.5						1.0						
Altitude ...	150 ft						125						
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.		
January	1.94	1.16	2.57	3.23			.85	1.16	2.92	3.31		2.24	16.19
February	3.28	.81	1.77	.68			3.55	.78	.98	1.82		1.13	
March99	1.25	3.19	2.52			4.20	1.34	.77	2.99		9.30	
April	1.45	1.86	.03	2.37			1.22	2.43	3.78	2.82		10.25	
May	1.70	4.04	1.31	1.70			2.09	1.80	1.83	.20		5.92	
June	1.71	1.69	3.08	.25			1.86	1.94	.97	1.07		5.84	
July	2.17	.35	1.25	2.43			1.38	4.75	5.44	1.94		13.91	
August	2.67	1.03	5.59	1.92			3.20	4.42	.96	2.56		11.14	
September ..	.90	1.29	2.00	2.03			1.58	1.86	4.87	1.50		9.81	
October ...	3.24	2.97	3.11	3.55			3.83	3.56	1.46	.72		9.57	
November ..	2.84	3.42	1.97	2.27			4.77	1.33	2.32	1.51		9.94	
December ...	3.61	6.40	2.99	1.03			2.95	1.56	2.23	3.49		10.33	
TOTALS ...	26.50	26.27	29.86	23.98			31.49	26.93	28.93	23.93			

1910 Brickwall 7 ft high 21 ft N
 1916 Pumping 50 ft 35 ft high 50 ft W
 1919 Pipe 4 ft - 8 ft S.

114.288

Date.	Lat. N.	Long. E.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1910	51° 21'	0° 16'	Epsom Town LBSC	250 yds 380 ft	SE S	Epsom Station	800 yds 5,162 ft	SE SSE

RAINFALL at Epsom Sewage Farm

County of Surrey

Observer E. P. Capon Esq.

River Basin Thames - Mole 5

Engineer & Surveyor (Epsom)

Snowdon Rain Gauge, by Casella
no pattern1929 E. G. Timbrell Esq., C.E. (Epsom ODC)
Engineer & Surveyor,
38 Church Street, Epsom.

Diameter ...	8									8			
Height	10									1'			
Altitude ...	121				120					121'			
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929			
24.23	January ...	2.11	1.76	2.52	1.72	1.99	1.77	2.79	2.60	3.15	1.09	2.83	2.21
19.35	February ...	62	16	1.96	3.92	.57	3.65	2.17	4.05	1.40	3.4	4.49	1.76
13.22	March	1.40	1.00	1.68	1.88	.68	.47	.26	2.42	1.67	.09	1.67	1.20
22.97	April.....	2.41	.86	2.28	1.78	3.64	2.63	3.49	1.76	1.26	.88	1.23	2.02
18.04	May	70	2.01	.68	2.48	2.92	1.55	1.22	1.31	1.53	1.27	2.37	1.64
26.74	June	1.71	.09	1.06	.39	2.51	.10	4.00	3.27	2.15	.99	.47	1.52
26.98	July	3.85	.29	3.87	3.42	3.01	3.29	1.63	2.80	1.44	1.13	1.95	2.45
24.62	August	1.62	1.09	2.26	1.89	3.50	2.05	1.42	3.98	2.48	1.69	2.74	2.24
21.60	September...	2.93	1.24	1.68	1.20	2.78	2.37	1.02	4.81	.88	.08	2.61	1.96
28.62	October.....	2.19	.60	.88	5.04	3.40	2.15	3.32	1.96	1.82	3.20	.86	2.59
30.94	November...	1.34	1.57	1.53	1.58	2.81	2.17	6.38	2.58	1.58	0.54	3.86	2.81
30.23	December...	3.39	1.22	4.15	2.21	3.45	2.45	1.06	2.19	2.08	6.17	1.86	2.75
27.66	TOTALS...	24.27	11.91	24.55	27.51	31.26	24.65	28.76	34.73	24.44	21.82	22.94	29.15

1920 Pigalle 4 ft high 8 ft S.

1928 Inspected by J.G. see green file

1930 Office about 15' high, 8-10' South.

G. read in summer winter 9 a.m.

?

low?

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 from gauge	Parish Church.	Distance from gauge	
1920	51° 21'	0° 16'	Ewell	1/2 mi	N.E.	St. Mary's, Ewell	1 mi	N.E.
1923						St. Barnabas	700 ft	S

RAINFALL at Epsom (Sewage Farm)

County of Surrey

Observer F. G. Tinkell, Esq., C.E.

River Basin Thames - Mole &c 5

The Surveyor (1938)

Type of Gauge 16 in. O.

Detailed ~~23.8~~
Annual Average ~~23.8~~ in. based on 24 years obs. up-weighted. Period of average 1881-1945 Ref. P.B. 408
which considers rates of 26.5 in. as more applicable (1938) bombarded ~~23.8~~ 852.976 / 28

Diameter	8										
Height	1.0			1.6					1.0		
Altitude	120	125	125	125							
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Total Means
January	1.27	2.33	1.63	2.17	.67	4.10	4.98	2.41	3.82	2.05	2563
February	1.42	2.20	3.50	0.25	3.10	2.19	4.06	4.44	0.96	1.55	1767
March	.69	1.56	2.60	2.20	.19	1.16	3.90	.51	1.11	3.29	1721
April	4.66	2.31	.69	2.41	2.93	1.78	2.68	.09	2.38	1.45	2138
May	2.35	4.20	2.90	0.60	1.22	.49	2.27	1.79	1.44	1.26	1872
June	2.05	1.08	1.93	1.39	3.72	3.06	1.83	.51	1.67	.41	1765
July	3.59	2.73	1.81	1.38	1.24	3.70	1.24	.97	2.09	2.37	2112
August	4.85	.60	.64	1.88	3.00	1.36	1.73	1.69	1.68	.09	1752
September	2.49	1.91	2.28	1.28	3.12	2.74	1.67	2.25	1.41	1.20	2035
October	.81	5.25	1.57	1.56	3.02	1.94	2.88	2.36	6.05	2.40	2784
November	3.03	1.03	1.10	2.25	4.14	3.38	1.32	3.82	3.79	7.11	3047
December	.51	.33	.42	5.77	3.10	2.88	3.75	3.12	1.22	1.21	2231
TOTALS	27.72	23.53	21.27	23.14	29.40	25.78	32.31	19.46	27.82	24.39	25787

1932. Office 18' high 30° S. Pumping station 30' high 30° N.W. (approx.)

1935. gauge moved 45yds. S. in August.

Office 18' high 25yds. NE

Pumping Sta. 30' high 40yds N.W.

1937 npt late.

1938. Gauge moved N. Sept. 12. 30° N.W.

1939. Office 16' high 4° S.W. * Average to be re-worked when 5 years record from gauge at new site are available.

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
1932.			Ewell. W	½ m	N.N.E.	St. Barnabas	¾ m	S.

Station No. 135

41

RAINFALL at ~~Spennymoor~~ (Sewage Farm) *

County of ... County of ...

Observer Mr. Surveyor *

River Basin Thameas. Mole &c. 5.

Type of Gauge N.I.O.

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

File No. 852976/23

Diameter	8"			286	212						
Height	1' 0"				1						
Altitude	125'				41						
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means 1941-5
January	1.78	2.58	4.85	1.53	1.45	1.43	1.60	2.87	1.00	.85	19.93
February	2.02	.46	1.66	.84	1.12	1.24	1.27	1.08	1.08	4.50	16.25
March	3.43	1.49	.27	.08	1.24	1.15	4.53	.72	1.00	.87	14.78
April	1.95	1.16	.83	1.52	1.25	2.34	2.06	1.35	1.82	2.80	17.08
May	1.79	3.17	2.30	.66	2.58	3.05	1.50	2.01	2.10	1.62	20.78
June	1.85	1.07	1.30	2.13	1.39	1.85	3.34	1.93	.88	1.52	18.26
July	2.79	2.02	1.52	1.67	3.40	1.24	1.74	.94	.62	3.12	19.06
August	3.99	1.72	1.38	1.98	1.44	4.48	.34	3.51	1.50	2.52	22.86
September	.28	1.59	2.34	1.92	1.91	3.55	1.34	1.08	.46	2.33	16.80
October	1.05	3.48	2.99	3.38	2.65	0.96	.20	2.36	5.88	.45	23.40
November	2.97	2.12	1.23	3.57	.23	3.17	1.07	1.53	2.48	5.44	23.81
December	1.83	2.47	1.75	2.03	3.28	2.77	2.98	3.41	1.24	1.68	23.44
TOTALS	25.73	23.33	22.42	21.31	21.94	29.20	21.97	22.79	20.06	27.70	236.45

of 9/8

361

* per Survey C.C. (see file). (No autographic gauge at this station).

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

Station No. 135

51

RAINFALL at EPSOM (Sewage Farm)

County of Surrey

Observer The Surveyor

River Basin S. Thames Major

Month January + December Bd,

Type of Gauge M.O. sprayed base
Rathtrevor measure.

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

2521 " " 35 " 1916-1950

File No. 858976128 P 22762/58

Diameter	8"		286	212							
Height	1' 0"				1						
Altitude	125'				57					Omit	
Year	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January	3.79	2.02	1.11	1.21	2.84	3.87	1.88	2.28	(1.96)	240	7336
February	7.32	.93	1.27	2.22	1.63	.33	3.08	1.95	.06	200	2079
March	3.84	2.74	.39	1.93	1.14	.82	.82	1.27	2.39	190	1684
April	3.01	1.05	2.51	.36	.29	1.45	.36	1.14	2.10	170	8684
May	2.17	2.02	1.58	2.69	3.44	.23	1.41	2.46	1.30	200	163
June	1.22	1.90	1.80	3.76	2.18	1.88	.88	3.90	.78	130	1950
July	2.07	.88	3.44	3.06	1.59	5.13	2.20	1.89	1.73	2.20	2419
August	3.50	2.73	1.59	2.03	1.24	3.39	1.04	2.83	1.34	300	2569
September	2.94	3.27	2.52	2.39	1.59	2.10	2.59	4.55	.11	250	2456
October	.87	2.02	3.46	2.32	3.12	1.09	1.69	2.52	2.56	600	26.95
November	6.63	2.72	1.80	4.97	.93	.62	1.82	1.73	3.59	4.09	28.91
December	2.57	2.25	1.64	2.38	2.10	3.17	1.83	2.67	3.84	270	28.95
TOTALS	39.53	26.53	21.61	29.32	22.39	23.98	22.60	29.49	21.76	(3070)	26701
	D	D	D	D	D	D	D	D	D	D	WM

Inspected 26.11.56 Mr. P.H.G. Dales. Gauge sound bottle cracked measure correct, fit to 1/2" N.W.E. SW. Recommended move ENE 100'. This inspection hole belongs to 144/5.

Reported 26.10.57 Mr. Rouse. Site on lawn behind workshop measure. funnel. rain can & bottle road level outer cylinder detached from sprayed base which was full of water. Bullet hole in cylinder below funnel. Funnel 7.90 - 8.10, to be adjusted if possible smaller can required.

As recommended, this is to be repaired & kept as a spare to the ga. at Ruisley La. (144/5), repaired, is to replace it here.

FAT

Position of Station on Ordnance One-Inch map : No. of Map National Grid Reference TQ 207620

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Parish Church.	Distance from gauge

Summary of Earlier Records from 10-year Sheets :

1916-1950, P - accepted

Record D, or d	C 1907?	1910-19	1920-30	1931-40	1941-50	1951-60
		✓ NR 14-15	✓	✓ NP late '37	✓	✓
		✓	✓	✓	✓	✓