

RAINFALL at Epsom Water WorksSewage Works, Hook Rd (1916)County of  Surrey Observer W Vause Graham Esq C.E.River Basin Thames-Mole 5Epsom EsqSnowdon Rain Gauge, by N+3  
Coxdon

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		Sum 16.19
February ...	3.28	.81	1.77	.68			3.55	.78	.98	1.82		8.24
March .....	.99	1.25	3.19	2.52			4.20	1.34	.77	2.99		7.13
April .....	1.45	1.86	.03	2.37			1.22	2.43	3.78	2.82		9.30
May .....	1.70	4.04	1.31	1.70			2.09	1.80	1.83	.20		10.25
June .....	1.71	1.69	3.08	.25			1.86	1.94	.97	1.07		5.92
July .....	2.17	.35	1.25	2.43			1.38	4.75	5.84	1.94		5.84
August .....	2.67	1.03	5.59	1.92			3.20	4.42	.96	2.56		13.91
September ..	.90	1.29	2.00	2.03			1.58	1.86	4.87	1.50		11.14
October ...	3.24	2.97	3.11	3.55			3.83	3.56	1.46	.72		9.81
November ..	2.84	3.42	1.97	2.27			4.78	1.33	2.32	1.51		9.57
December ...	3.61	6.40	2.99	1.03			2.95	1.56	2.23	3.29		9.94
TOTALS ...	26.50	26.27	29.86	23.98			31.49	26.93	28.93	23.93		10.23

1910 Brick Wall 7 ft high 21 ft N  
 1916 Pumping 5 ft 35 ft high 50 ft W  
 1919 Pipe 4 ft 8 ft S.

11.288  
6.3

Date.	Lat. N.	Long. W.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1910	51.21	0.16	Epsom Town L.B.S.C.	250 yds 350 ft	SE S	Epsom St Martin	800 yds 510 ft	SE SSE

RAINFALL at Epsom Sewage FarmCounty of SurreyObserver E. R. Capon Esq.River Basin Thames - Mole 5Engineer & Surveyor (Epsom)Snowdon  
no station Rain Gauge, by Cassella1929 E. G. Timmree Esq., C.E. (Epsom JDC)  
Engineer & Surveyor,  
33 Church Street, Epsom.

Diameter ...	8											8	
Height .....	1	0										1'	
Altitude ...	121					120						121'	
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	Mean 1920.		Mean
24.23 January ...	2.11	1.76	2.52	1.72	1.99	1.77	2.79	2.60	3.15	1.09	2.53	2.21	
19.35 February ...	.62	.16	1.96	3.92	.57	3.65	2.17	4.05	1.40	.34	.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	
22.17 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	
16.74 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	1.74	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	
21.66 September...	2.93	1.24	1.68	1.20	2.78	2.37	1.02	4.81	.88	.08	2.61	1.76	
28.42 October .....	2.19	.60	.88	5.04	3.40	2.15	3.32	1.96	4.82	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	6.54	3.86	2.81	
30.23 December...	3.39	1.22	4.15	2.21	3.45	2.45	1.06	3.19	2.08	6.17	1.86	2.75	
27.64 TOTALS...	24.27	11.91	24.55	27.51	31.26	24.65	28.76	34.73	24.44	21.82	22.94	25.15	

1920 Pigstye 4 ft high 8 ft 8.

1917/28 Impacted by J.C. see green file

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

G. read in summer months 9 a.m.

Position of Station on reduced Ordnance Survey } No. of Map

Map, 2 miles to 1 inch Series

Reference No.

Date.	Lat. N.	Long. W.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge
1920	51° 21'	0° 16'	Ewell	1/2 mi	N.E.	St Mary's, Ewell	1 mi	N.E.
1923						St Boniface	100 yds	S



RAINFALL at Epsom (Sewage Farm)County of SurreyObserver E. G. Tinkrell, Esq. C.E.River Basin Thames - Mole & c 512th Summer (1933)Type of Gauge A.O.Included Elco \*Annual Average 2.29 in. based on 24 years obs. un-weighted. Period of average 1881-1946 Ref. P.B. 208The British ~~calendar~~ value of 2.54 in. is now applicable (1946)computed 11/37 852.976/28

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	1.83	2.17	.67	4.10	4.98	2.41	3.82	2.06	2563	
February	1.42	.20	3.50	0.25	3.10	2.19	4.06	.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	1.64	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	3.32	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	29.45	28.78	32.31	19.46	27.82	24.39	25787	174

1932. Office 15' high 30'S. Pumping station 30' high 30' N.W. (ydh)

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

Office 15' high 25 yds. NE

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

1937. n.p. late.

1938. Gauge moved N. Sept. 120 yds N.W.

1939. Office 16' high 46' 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, }  
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
1932.			Ewell. W	1/2 m	N.N.E.	St. Barnabas	1/4 m	S.

RAINFALL at Epsom (Sewage Farm)

41

County of SurveyObserver W. H. Surveyor\*River Basin Thames-Mole & C.Type of Gauge M.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 Totals
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	2.24	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	2.85	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	28.44
TOTALS	25.73	23.33	22.42	21.31	21.94	29.29 <sup>3</sup>	21.97	22.79	20.06	27.70	236.45 <sup>TM</sup>

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

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.

Station No. 135

RAINFALL at EPSOM (Savage Farm)

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County of Surrey

Observer

River Basin 5 Thames Waters

Type of Gauge M.O. splayed tube

Annual Average 25.21 in. based on 35 years obs. un-weighted. Period of average 1916-1950

File No. 858976/98 3.22742/53

Diameter	8"											
Height	1'0"											
Altitude	125'									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		2336
February	7.32	.93	1.27	2.22	1.63	.33	3.08	1.95	.06	200		2079
March	3.44	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	(70)	11.02	12.97
May	2.17	2.02	1.58	2.69	3.44	.23	1.41	2.46	1.30	2.00	1/13	2030
June	1.22	1.90	1.80	3.76	2.18	1.78	.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	3.00		2569
September	2.94	3.27	2.52	2.39	1.59	2.10	2.59	4.55	.11	2.50		2456
October	.87	3.02	3.46	2.32	3.12	1.09	1.69	2.82	2.56	6.00		26.95
November	6.63	2.72	1.30	4.97	.93	.62	1.82	1.73	3.59	4.00		28.31
December	2.57	2.25	1.64	2.38	2.40	3.17	1.83	2.67	3.84	2.70		28.45
TOTALS	39.53	26.53	21.61	29.32	22.39	23.98	22.60	29.49	21.76	3070		267.91
	D	D	D	D	D	D	D	D	D	D		W.M.

Inspected 24.11.54 Mr. P.H.G. Deeks. Gauge 30 and bottle cracked measure inaccurate. Site of new E. 5W. Recommended move ENE 100'. This implies hole belongs to 144/5.

Inspected 26.10.57 Tim Russell. Site on lower bank workshop measurable. Found minor can & bottle road level outer cylinder detached from splayed tube which was full of water. Bottle hole in cylinder below funnel. Found 7.40 - 8.10, tube adjusted if possible rather can repair.

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

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference TSP 207620

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

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
C 1910?	✓ NR 14.15	✓	✓ NP 14.37	✓	
	✓	✓	✓	✓	