

RAINFALL AT

Reigate Sewage Farm

Lat. _____

Lon. _____

County of _____

Rain Gauge, by _____

Observer _____

S. Shamoo. Mole.

F.D. Clark Esq. C.E.
W.H. Prescott Esq. C.E.

Diameter	8											
Height	1 0											
Altitude	196							N				
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January	3.09	3.00	.72	4.30	4.30	2.09	.75	1.31	.83	3.81		
February ....	.78	.20	1.46	1.84	1.84	.45	.23	2.56	1.32	2.92		
March	2.40	1.98	1.62	1.39	1.39	1.57	3.22	4.15	1.48	.52		
April	2.23	.51	1.05	1.76	1.76	1.77	.83	1.65	.86	2.66		
May	1.61	1.98	1.36	1.60	1.60	.44	.21	1.13	3.37	1.23		
June	2.26	2.69	3.80	3.20	3.20	.50	3.23	1.82	1.33	.32		
July	4.57	2.35	1.64	6.20	5.20	4.78	1.11	.77	.55	1.00		
August	2.80	3.60	3.19	3.01	3.01	2.92	1.81	3.27	.99	.57		
September....	1.05	1.27	2.40	2.17	2.17	.50	7.22	2.28	.15	2.67		
October	1.29	5.79	3.86	4.16	4.16	3.15	3.52	.43	3.47	2.15		
November....	1.87	3.12	3.00	4.97	4.97	5.01	1.34	.91	4.02	5.50		
December ....	.60	3.59	1.94	1.95	1.95	1.87	4.99	3.86	2.33	1.82		
TOTALS . . .	(24.55)	30.05	26.04	25.14	35.55	25.05	28.46	24.14	20.70	25.17	(24.188)	

1892 Reigate Parish Church 1 1/2 miles

1893 Obs. irregular, total believed to be correct.

RAINFALL AT Earlewood Sewage Farm

Lat. 51° 43' Lon. 1° 43' County of Lancashire
Snodden Rain Gauge, by N 43 Observer F. T. Clayton Esq. C.E.
5/Thames - Mole.

Diameter ..	8						8	5			
Height	10									1.6	
Altitude ..	196 ft										
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	4.52	1.43	.92	2.51	5.47	1.44	1.85	1.19	1.78	1.04	2.515
February ..	4.59	1.21	1.07	2.08	3.40	.92	2.45	1.43	1.27	.49	1.891
March ....	.89	2.65	1.77	3.31	1.52	4.03	1.64	.89	2.92	2.85	2.247
April .....	.97	2.00	.77	2.38	1.77	1.30	.57	3.37	2.42	1.67	1.722
May	1.34	1.50	2.47	2.26	2.15	.77	1.34	2.18	2.24	2.14	1.839
June	2.62	1.60	3.73	4.85	2.28	4.93	2.53	2.00	2.00	2.19	2.873
July	1.17	2.35	2.15	3.01	.71	1.00	.51	1.37	2.78	3.11	1.816
August	2.52	1.75	2.86	4.18	.99	2.37	1.04	2.64	3.52	2.28	2.415
September ..	.93	1.90	.94	2.75	1.36	2.22	1.45	.43	2.22	2.69	1.689
October	2.22	2.77	2.21	7.09	2.41	1.10	3.72	4.02	2.26	4.96	3.276
November ..	2.92	.91	2.31	2.97	1.42	4.49	4.91	2.42	1.01	1.12	2.248
December ..	3.28	4.37	1.47	2.54	3.33	.85	2.09	3.55	2.74	3.94	2.816
TOTALS ..	27.97	24.44	22.67	39.93	26.81	25.42	27.10	25.49	27.16	28.48	27.547

1906 St. John's Church 5 furlongs N
 Earlewood Station 4 furlongs NNE 1907
 1907 St. Mary's Church 1 1/2 miles NW
 1908 Earlewood Station 1/2 " NNE
 1909 Hedge 6 ft high 4 ft N

RAINFALL at Earlewood Leverage Farm

County of Surrey

Observer F. T. Clayton Esq. C.E.

River Basin Thame Mole 5

Sunder Rain Gauge, by N^o 3

Diameter ...	5											
Height	1 6											
Altitude ...	196 ft											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	Sums
January ...	2.56	1.50	2.52	4.26	.63	3.95	1.24	1.30	3.40	3.65	2.501	16.19
February ...	3.54	1.31	1.79	.76	4.19	4.86	4.73	.86	1.43	2.53	2.600	19.55
March .....	.96	1.82	3.73	2.62	5.23	.52	3.90	1.89	.97	3.93	2.557	10.67
April	1.93	1.89	.02	2.92	1.08	1.21	1.27	2.40	3.86	2.42	1.900	9.95
May	2.13	1.79	1.38	2.63	1.23	3.13	2.72	1.75	1.32	.13	1.821	5.92
June	1.51	2.08	4.03	.33	.69	1.14	2.32	1.52	.69	1.01	1.532	5.92
July	2.40	.42	1.11	1.01	2.11	3.71	1.41	4.24	5.55	1.92	2.588	13.12
August	2.33	.40	5.31	1.91	.74	1.78	3.42	5.03	1.17	2.21	2.430	11.83
September ..	.65	1.28	2.97	1.19	.85	1.56	1.82	2.23	5.14	1.04	1.873	10.23
October ...	2.46	4.20	2.69	4.26	1.61	2.69	5.00	3.73	1.66	.93	2.923	11.32
November ...	3.51	5.19	2.53	2.68	3.50	2.76	6.03	1.60	2.29	1.74	3.183	11.66
December ...	3.73	6.56	3.36	1.34	7.48	6.64	2.71	2.65	2.42	4.51	4.140	22.9
* TOTALS ...	27.71	28.44	31.44	27.91	29.34	33.95	36.57	29.20	29.90	26.02	30.048	121.69

1911 Hedge 5ft high 50ft N
 Building 20 - 40 E

121.69

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1910	51.13 N	0.10 W	Earlewood	1/2 m	NNE	St Mary's St John's	1 1/2 m 1/2 m	N.W. N

RAINFALL at Earlswood Sewage FarmCounty of SurreyObserver L. J. Clayton Esq. C.E.River Basin Thames-Mole &Engineer (Reigate)Snowdon Rain Gauge, by H. J.(Reigate Board Council)

Diameter ...	5"											
Height	16											
Altitude ...	196											
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 1930	
January ...	2.58	2.52	3.92	1.60	2.84	2.84	(2.91)	2.33	3.98	1.46	3.50	30.48
February ...	.46	.21	2.35	3.64	.99	4.22	(2.60)	4.61	1.49	.45	.86	21.87
March	1.71	1.27	2.12	1.92	1.50	(.85)	(.83)	2.81	1.96	.01	1.94	16.62
April	2.73	1.18	3.11	2.12	2.96	3.22	(3.48)	2.03	1.72	.82	1.40	25.27
May	1.09	.95	.95	2.80	3.63	2.44	(1.62)	1.06	2.19	1.91	2.60	21.24
June	1.29	.11	1.36	.47	2.62	.13	(3.71)	3.63	2.53	1.60	.88	18.33
July	4.67	.28	3.42	3.69	3.91	3.95	(1.90)	2.62	1.66	2.07	3.08	31.31
August	1.42	1.38	2.49	2.12	3.76	2.53	(8.27)	4.45	2.97	2.43	3.18	29.00
September...	3.68	.70	1.73	1.71	3.09	2.69	(.85)	53.8	.72	.16	4.29	25.00
October	1.05	1.37	1.09	6.94	3.55	3.65	(8.28)	1.90	5.51	4.14	1.79	33.27
November...	1.91	1.75	1.98	1.67	3.46	2.58	(5.64)	2.77	2.64	6.47	4.61	35.48
December...	2.57	1.72	4.25	3.11	3.82	3.09	(4.5)	4.10	3.24	7.19	2.07	35.64
TOTALS...	25.16	13.44	28.77	31.79	36.12	32.19	(28.20)	37.69	30.64	28.71	30.20	323.51
	D	D	D	D	D	D	D	D	D	D	D	

1920 Hedge 5 ft high 50 ft N.

Building 20 " " 40 " E.

+
align E. North (H. J. 20)

1926 Improperly kept

1929 Engine house 36' high 100 yds NNE.

Chimney 50' " 100 yds NNE.

1930 G. read in winter 9.1.11. } New g. 1930.
" " " Summer 10. " " }

35.51

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	Direction from gauge
1920	51° 13'	0° 10'	Earlswood	4 fms.	N.N.E.	St. Johns	5 fms.	N.

RAINFALL at Earlswood (Sewage Farm) (+A)

County of SurreyObserver F. T. Clayton, Esq., C.E.River Basin Thames Mole & CH. H. Sanderson, Esq. B.E. *Type of Gauge N.O.Annual Average 27.2 in. based on 38 years obs. un-weighted. Period of average 1881-1915 Ref. T.W.S.212 completed by Mr. C. H. (1902)Ref. 1920-1921673426/26

Diameter	5			5								
Height	1 6			11				1 6				
Altitude	196		250	200				196				
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	
January	1.77	2.42	2.23	2.08	1.14	5.60	5.29	2.12	4.89	2.25	3079	
February	2.03	.46	2.33	.26	3.38	1.83	4.11	.74	1.14	2.28	1866	
March	.72	1.37	3.24	2.39	.49	1.59	3.48	.33	1.37	2.99	1797	
April	4.12	2.24	.63	2.53	3.23	1.91	2.92	.15	2.74	2.13	2260	
May	2.84	3.83	2.29	.54	1.72	.56	2.24	1.83	1.49	1.70	1904	
June	1.65	1.29	1.57	.96	3.84	3.21	2.07	.57	0.97	.26	1639	
July	3.10	2.30	1.51	2.37	.93	4.18	1.24	1.95	2.10	1.89	2157	
August	5.74	.55	.77	1.85	4.26	.51	1.16	2.14	2.59	.16	1973	
September	1.65	1.87	2.51	1.79	4.01	2.25	2.43	2.63	1.58	1.66	2238	
October	.59	5.97	2.01	1.92	4.08	1.75	3.12	3.26	7.01	3.17	3288	
November	3.78	1.21	.99	3.21	5.66	4.17	2.04	3.72	5.00	7.65	3743	
December	.67	.56	.50	7.26	3.78	2.92	4.16	3.34	1.59	1.54	2632	
TOTALS	28.66	24.07	20.58	27.16	36.52	30.48	34.26	23.78	32.14	27.68	28566	

* checked on map found correct

1936 Engine House 36' high 300' N.E.; chimney 50' high 300' N.E.
 1937. Gauge moved 120 ft. W. & S.
 + inspected 6/12/38 by G.R.R. Bennett. Site satisfactory.

JP

* Per Surrey County Council

(B.R. 1938) Autographic gauge set up alongside

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.			Earlswood	11 fur.	N.E.	St. John's	1 m.	N.N.E.
1937			"	1000 yds	N.N.E.	"	1170 yds	N.

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

Station No. 117

RAINFALL at Earlewood (Sewage Farm)

41

County of Surrey

Observer G. J. Sanderson Esq. B.Sc.*

River Basin Thames Mole S.C. 5

Type of Gauge. M.O. (A)

Annual Average 27.2 in. based on 32 years obs. un-weighted. Period of average 1881-1915. Ref. I.W.S.

File No. 673426/26

Diameter	5"			284	974						
Height	1'3"	1-6			1		At 4 ft. on 100 ft. stake in a 200 ft. canal	At 10 ft. on 100 ft. stake	At 20 ft. on 100 ft. stake		
Altitude	196'				4)					196'	
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	2.40	3.46	6.06	1.84	2.22	2.58	2.14	4.14	1.01	1.08	26.93
February	2.78	.63	1.90	.87	1.91	2.62	1.58	1.91	1.24	5.11	30.55
March	3.40	1.99	.40	.16	1.42	1.17	5.88	.71	1.17	1.53	17.83
April	1.36	1.49	1.13	1.94	1.17	2.85	1.94	1.68	1.79	2.94	18.29
May	1.70	3.63	2.64	.65	1.71	2.52	1.59	1.78	2.21	1.43	19.86
June	2.03	.12	1.94	1.51	1.93	2.88	2.30	2.96	.73	1.73	18.13
July	2.73	1.96	2.12	1.92	2.48	2.31	1.26	1.22	.62	3.02	19.94
August	4.22	2.62	1.31	2.87	1.68	4.60	.49	4.27	1.20	2.91	26.07
September	.36	2.12	1.59	2.52	1.98	3.28	1.33	1.60	.70	3.61	19.09
October	1.35	3.51	3.82	4.31	3.68	1.16	.31	1.96	7.48	.24	27.82
November	3.49	2.20	1.84	4.96	.21	5.15	1.18	1.95	2.75	6.25	29.98
December	2.67	3.05	1.91	2.33	3.42	3.16	2.45	4.27	1.48	1.97	26.71
TOTALS	28.49	26.68	26.66	25.88	24.11	34.28	22.45	28.45	22.38	31.82	271.20

1942 Hawthorn trees 8' high 37' S. Willow trees 30' high 90' N.E.

* Per Surrey County Council.

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			Earlewood.	1067 y.	N.N.E.	St. Johns.	1167 y.	N.

BRITISH RAINFALL ORGANIZATION

A.M. Form 1903. Air Ministry, Meteorological Office.

Station No. 117

RAINFALL at EARLSWOOD (Sewage Farm)

51

County of Surrey

Observer SS. Sanderson & C.E.
per Surrey CC.

River Basin 5. Lower Mole & C.

Type of Gauge MO. (A)

Annual Average 27.2 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. IWS.
28.63 " " " 35 " " 1916-1950 1916-1950
File No. 673A26/26.2.22742/55

Diameter ...	5"			284	974						
Height ...	1' 6"				1				from 11.54		
Altitude ...	196'				51				205'		
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	3.26	2.22	1.48	1.73	3.00	4.53	2.03	2.71	3.19	2.83	26.98
February ...	6.61	1.86	1.44	2.25	1.48	.36	4.16	2.39	.09	2.15	21.79
March ...	3.80	3.12	.45	2.67	1.35	.83	1.28	1.70	2.06	1.73	18.99
April ...	3.12	1.61	2.65	.37	.36	2.08	.20	1.02	2.38	0.91	14.70
May ...	2.15	1.71	1.68	2.32	4.19	.27	1.58	2.41	.68	1.43	18.42
June ...	1.29	1.76	1.85	4.30	1.81	2.74	1.47	3.92	1.29	1.43	21.86
July ...	2.10	.76	3.39	3.36	.40	4.25	3.18	1.43	.83	3.02	22.72
August ...	4.60	3.26	1.71	3.08	1.69	3.26	2.59	2.96	1.35	2.60	27.10
September ...	3.22	2.86	3.79	2.50	2.03	2.89	2.64	5.99	.12	3.13	29.17
October ...	1.24	3.35	4.36	2.56	4.53	1.15	1.70	3.55	3.03	5.79	31.26
November ...	6.26	3.71	1.73	6.00	1.27	.93	2.52	2.13	3.03	5.39	32.97
December ...	3.31	2.98	.79	1.97	2.79	3.82	2.03	3.64	5.32	3.50	30.10
TOTALS ...	40.96	28.15	25.32	33.11	24.90	27.11	25.38	33.85	23.37	33.91	296.60
	D	D	D	D	D	D	D	D	D	D	

1952 Mainline tree 8' high 27.5". Willow tree 30' high 90' NW
 Inspected 10.11.54 M.V. P.N.G. Decker Gauge sound. Site satisfactory. JPB
 1954 10.50 not dried.
 Insp. 15.10.54. This Rowett, H. Chalken. Gash in outer can & loose debris tube the repair. Old s/s the
 used for s/s the extension of filter beds. New s/s clean chain 70-80 yds N.E. & about 10 W. higher.
 Gauge the rest in ground well check at 1 W. Sec over. Repaired & moved 10.11.54
 1959 March low not accept.

TQ(51) 275483

Position of Station on Ordnance One-Inch map: No. of Map 1.70..... National Grid Reference FQ 277484

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Parish Church.	Distance from gauge.
1942			Earlswood	1067 yds NNE	St Johns	1167 yds N.

Summary of Earlier Records from 10-year Sheets:

English

1916-1950, P- accepted

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	✓	✓ NR 1926	✓	✓	
	✓	✓ bud d '25	✓	✓	