

RAINFALL AT Reigate Sewage Farm

Lat.

Lon.

County of

Surrey

Rain Gauge, by

Observer

J.D. Clark Eng C.E.

W.H. Prescott Eng Ch.

5 Shamsor Mole.

Diameter	8										
Height	1.0										
Altitude	196										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	3.09	3.00	.72	+30	4.30	2.09	.75	1.31	.83	3.81	
February78	.20	1.46	+84	1.84	.45	.23	2.56	1.32	2.92	
March	2.40	1.98	1.62	+39	1.39	1.57	3.22	4.15	1.48	.52	
April	2.23	.51	1.05	+76	1.76	1.77	.83	1.65	.86	2.66	
May	1.61	1.98	1.36	+66	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	+95	1.95	1.87	4.99	3.86	2.33	1.82	
TOTALS ...	(24.55)	30.08	26.04	25.14	35.55	25.05	28.46	24.14	20.70	25.17	(240.488)

1892 Reigate Parish Church 1½ miles

1893 Obs. irregular, total believed to be correct.

RAINFALL AT Earlewood Sewage Farm

Lat.

Lon.

County of

Gloucester

Sunder

Rain Gauge, by N+3

5/ Shanes - mole.

Observer

T. T. Clayton Esq. Ch.

Diameter ..	8						8	5		
Height	1.0								1.6	
Altitude ..	196 ft									
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909
January ..	4.52	1.43	.92	2.51	5.47	1.44	4.85	1.19	1.78	1.04
February ..	4.59	1.21	1.07	2.08	3.40	.92	2.45	1.43	1.27	.49
March89	2.65	1.77	3.31	1.52	4.03	1.64	.89	2.92	2.85
April97	2.00	.77	2.38	1.77	1.30	.57	3.37	2.42	1.67
May	1.34	1.50	2.47	2.26	2.15	.77	1.34	2.18	2.24	2.14
June	2.62	1.60	3.73	4.85	2.28	4.93	2.53	2.00	2.00	2.19
July	1.17	2.35	2.15	3.01	.71	1.00	.51	1.37	2.78	3.11
August	2.52	1.75	2.86	4.18	.99	2.37	1.04	2.64	3.52	2.28
September ..	.93	1.90	.94	2.75	1.36	2.22	1.45	.43	2.22	2.69
October	2.22	2.77	2.21	7.09	2.41	1.10	3.72	4.02	2.26	4.96
November ..	2.92	.91	2.31	2.97	1.42	4.49	4.91	2.42	1.01	1.12
December ..	3.28	4.37	1.47	2.54	3.33	.85	2.09	3.55	2.74	3.94
TOTALS ..	27.97	24.44	22.67	39.93	26.81	25.42	27.10	25.49	27.16	28.48
										27.547

D D D D D D

- 1906 St John Church 5 fur long. N
Earlewood Station 1/2 miles NNE 1907
1907 St Marys Church 1/2 miles NW
1908 Earlewood Station 1/2 . NNE
1909 Hedge 6 ft high 40 ft N

RAINFALL at Earlewood Sewage Farm

County of Surrey

Observer F. T. Clayton Esq C.E.

River Basin Thamno Mole - 5

Snowdon Rain Gauge, by N+3

Diameter ...	5										
Height	16										
Altitude ...	1967										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	2.56	1.50	2.52	4.26	.63	3.95	1.24	1.30	3.40	3.65	2501 16-9
February ...	3.54	1.31	1.79	.76	4.19	4.86	4.73	.86	1.43	2.53	2600 955
March96	1.82	3.73	2.62	5.23	52	3.90	1.89	.97	3.93	2557 106
April	1.90	1.89	.02	2.92	1.08	1.21	1.27	2.40	3.86	2.42	1900 995
May	2.13	1.79	1.38	2.63	1.28	3.13	2.72	1.75	1.32	.13	1.821 6.92
June	1.51	2.08	4.03	.33	.69	1.14	2.32	1.52	.69	1.01	1.532 5.82
July	2.40	.42	1.11	3.01	2.11	3.71	1.41	4.24	5.55	1.92	2588 1312
August	2.33	.40	5.31	1.91	.74	1.78	3.42	5.03	5.17	2.21	2430 11.93
September65	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	2923 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 12.29
* TOTALS ...	27.71	28.44	31.44	27.91	29.34	33.95	36.57	29.20	29.90	26.02	30.048

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

121-69

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1910	51° 13' N	0° 10' W	Earlwood	1/2 m	NNE	St Mary's St John's	1 1/2 m 60° N	N.W. N

RAINFALL at Earlswood Sewage Farm

County of SurreyObserver F. J. Clayton Esq. C.B.River Basin Thames - MoleEngineer (Reigate)Snowdon Rain Gauge, by H. S. J.

(Reigate Boro' Council)

Diameter ...	5"											
Height	1	6										
Altitude ...	196											
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	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
February46	.21	2.35	3.64	.98	4.22	(2.60)	4.61	1.49	.45	.86	21.87
March	1.71	1.27	2.12	1.92	1.50	(.85)	(.55)	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	1.42	.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	31.54
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	(1.96)	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	.42	.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	38.27
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	(28.80)	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.

Altitude 150ft (Hedge 200ft)

1926. Improperly kept

1929. Engine House 36' high 100 yds NNE.
Chimney 50" " 100 yds NNE.1930. F. read in winter 9 a.m. } New g. 1930.
" " Summer 10 .. } 35.51Position of Station on reduced Ordnance Survey { No. of Map _____ Reference No. _____
Map, 2 miles to 1 inch Series

Date.	Lat. N.	Long.W	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge	Direction
1920	51° 13'	0° 10'	Earlswood	4 fms.	N.N.E.	St. Johns	5 fms	N.

RAINFALL at Earlswood (Sewage Farm) (+n)

County of SURREY

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

River Basin Thames, Mole &c 5

H.H. Sanderson, Esq. B.E. *

Type of Gauge M.P.

Annual Average 27.2 in. based on 38 years obs. un-weighted. Period of average 1881-1915 Ref. T.W.S.

27.2 in. compiled by Mr. Comer (1930)

Ref. Aeronautics

673+26/26

Diameter	5	5										
Height	1.6	.11										our inspection
Altitude	196	200	200									1.3
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	3.12	4.89	2.25	30.79	+
February	2.03	4.46	2.33	2.26	3.38	1.83	4.11	7.4	1.14	2.28	18.56	
March	.72	1.37	3.24	2.39	.49	1.59	3.48	.33	1.37	2.99	17.97	
April	4.12	2.24	.63	2.53	3.23	1.91	2.92	.15	2.74	2.13	22.60	
May	2.84	3.83	2.29	.54	1.72	.56	2.24	1.83	1.49	1.70	19.04	
June	1.65	1.29	1.57	.96	3.84	3.21	2.07	.57	0.97	.26	16.39	
July	3.10	2.30	1.51	2.37	.93	4.18	1.24	1.95	2.10	1.89	21.59	
August	5.74	.55	.77	1.85	4.26	.51	1.16	2.14	2.59	.16	19.73	
September	1.65	1.87	2.51	1.79	4.01	2.25	2.43	2.63	1.58	1.66	22.38	
October	.59	5.97	2.01	1.92	4.08	1.75	3.12	3.26	7.01	3.17	32.88	
November	3.78	1.21	.99	3.21	5.66	4.17	2.04	3.72	5.00	7.65	37.43	
December	.67	.56	.50	7.26	3.78	2.92	4.16	3.34	1.59	1.54	26.32	
TOTALS	28.66	24.07	20.58	27.16	36.52	30.48	34.26	23.78	32.47	27.68	285.66	

Flocked on my front concert

1936 Engine House 36' high 300' N.E.; chimney 50' high 300' N.E.

1937. Gauge moved February 78 ft. W.N.E.

† Inspected 6/12/38 by G.R.R. Barnwell. Site satisfactory.

* Per Surrey County Council (P.R. 1938) Autographic gauge set up alongside.

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	Parish Church.	Distance from gauge	Direction
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 Earlswood (Sewage Farm).

41

County of Surrey.....

Observer G. J. Sanderson Esq. B.E.

River Basin Thames Mole 9.c.5.

Type of Gauge M.O. (2.5)

Annual Average 27.2 in. based on 29 years obs. un-weighted. Period of average 1881-1915 Ref. I.M.S.

File No. b73426/2k

Diameter	5"		284	974							
Height	1'3"	1-6			1						
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	2.52	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, 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
1942			Earlswood.	1067y	N.N.E.	St. Johns.	1167y

284974

Station No. 117

RAINFALL at EARLSWOOD (Sewage Farm)

51

County of Surrey

Observer SS. Sanderson Esq. C.E.
per. Surveyor C.C.

River Basins Thames - Mole + c.

Type of Gauge. MC. (x A.)

Annual Average 21.2 in. based on 38 years obs. un-weighted. Period of average 1881-1915
28.63 " " 35 " " 1916-1950 Ref. I.W.S.
1916-1920
File No. 673426/26 G.22742/55

Diameter ...	5"		284	974							
Height ...	1' 6"	sp. 1952		1							from 1952
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	3.42	4.45	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	1.65	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	5.89	32.97
December	3.31	2.93	.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	25.57	33.91	296.00
	D	D	D	D	D	D	D	D	D	D	

1952 Hawthorn tree 8' high 27.5'. Willow tree 50' high 90° NNE
Inspected 10.11.54 by P.H.G. Deedes Gauge sound. Site satisfactory. J.W. DB
1954 1956 new dirid.

Maps. 15.10.54. Plot Powell, H. C. Gash in outer can & lone during tube the repair. Old site to be used for survey extension of filter beds. New site about 70-80 yds N.E. & about 10 W. higher.
gauge the rest in gravel well check at 1 ft. See over Repaired March 10.16.59

1959 March low but accept.

TQ (5) 275483

Position of Station on Ordnance One-Inch map : No. of Map... 1702..... National Grid Reference TQ 275483

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 : completed for January 1916-1950, P - accepted

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	/	✓ NR 1926	/	/	
	/	✓ bld 1925	/	/	