

RAINFALL AT Esher Sewage Works

80

Lat.

Lon.

County of

Surrey

Rain Gauge, by

Observer

Baldwin Latham Esq

5. Thames. Mole.

Diameter . . .										. 5		
Height										1. -		
Altitude . . .										40 7		
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.	
January . . .									.87	.85		
February . . .									.89	1.80		
March									2.36	1.78		
April									1.56	1.94		
May . . . . .									.96	2.64		
June									2.48	.45		
July									4.42	1.62		
August									2.31	1.61		
September . .									1.16	1.01		
October									1.33	3.31		
November . . .									3.55	.47		
December . . .									1.14	.94		
TOTALS									23.03	18.42		

RAINFALL AT *Essex Sewage Works*

Lat. _____

Lon. _____

County of *Surrey*

Rain Gauge, by _____

Observer *Baldwin Latham Esq. C.E.*
F.C. Bayard Esq.

5-1/2 Mares. Mole.

Diameter	5										
Height	10										
Altitude	40 ft		42 ft								
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	1.84	1.14	.29	1.43	2.87	1.06	.74	1.77	.93	2.57	1.161
February ....	.82	.01	.89	2.41	1.33	.18	.26	2.13	1.09	2.40	1.152
March .....	.95	1.27	.73	.32	.94	.98	3.11	3.58	.81	.43	1.312
April	1.42	.72	.64	.03	1.89	1.16	.64	1.64	.89	2.13	1.116
May .....	.98	2.44	1.26	.98	1.55	.52	.30	1.71	2.75	1.39	1.388
June	2.43	1.27	2.66	.99	1.79	.22	2.01	4.58	1.43	1.76	1.914
July	3.98	2.75	1.68	1.83	3.45	3.90	1.58	1.40	.52	.52	2.161
August	1.75	3.58	2.71	1.14	2.67	3.18	2.14	2.62	1.18	.68	2.165
September....	.49	.93	2.42	1.09	1.01	1.00	5.62	1.96	.55	2.47	1.754
October .....	.71	4.34	2.30	3.54	4.38	2.59	2.41	.66	3.69	2.18	2.680
November....	1.20	2.23	2.55	1.54	2.37	2.88	1.05	1.11	2.55	4.31	2.179
December ....	.39	2.07	1.12	1.71	1.55	2.21	3.33	2.49	2.51	1.48	1.886
TOTALS	16.96	22.75 ²	19.25	17.01	25.80	19.88	23.19	25.65	18.90	22.32	21.171

1890 Unreliable, too small

RAINFALL AT *Essex Sewage Works*

Lat.

Lon.

County of *Lincoln*

Rain Gauge, by *of Sharncliffe Mole.*

Observer *F C Bayard Esq*

A. J. Henderson
H. C. Head

Diameter ..	5											
Height	10											
Altitude ..	42 ft											
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.	
January ..	3.08	1.18	.79	2.43	2.96	.87	3.24	.63	1.49	.57	1.724	
February ..	3.76	1.16	.70	1.09	2.63	.59	1.53	1.26	.71	.33	1.376	
March	1.08	1.94	1.61	2.42	1.34	3.28	.90	.66	2.37	2.75	1.835	
April .....	.88	2.06	.69	1.69	.85	1.33	.43	3.25	2.15	1.37	1.470	
May .....	.85	.28	2.08	1.92	2.16	.27	1.16	1.51	1.44	1.31	1.298	
June	2.13	1.40	3.86	6.36	.53	4.23	1.71	1.93	2.69	3.56	2.840	
July	1.34	2.51	.97	3.11	1.72	.58	.88	1.24	2.84	2.73	1.792	
August	2.75	1.74	3.61	3.93	1.43	2.64	.76	2.16	2.59	1.69	2.330	
September ..	.50	1.18	3.85	3.25	1.12	1.66	1.51	.53	1.18	2.66	1.744	
October	1.78	1.72	1.30	5.26	1.51	1.05	3.60	3.49	2.24	3.22	2.517	
November ..	1.86	.42	1.99	1.61	1.48	2.73	2.96	1.93	.59	.80	1.637	
December ..	2.36	3.05	1.25	1.59	2.03	.62	1.66	2.65	1.66	2.46	1.933	
TOTALS ..	22.37	18.64	22.70	34.66	19.76	19.85	20.34	21.24	21.95	23.45	22.406	

D

77

77

77

D

RAINFALL at Esher Sewage WorksCounty of SurreyObserver F. C. Bayardley *H.C. Read*River Basin Thames-Mole 5

Rain Gauge, by _____

Diameter ...	5										
Height	10										
Altitude ...	42 \uparrow										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	1.46	1.01	3.09	2.41	.42	3.78	.93	.90	2.83	3.23	2.006
February ...	2.56	1.07	1.56	.76	2.21	3.45	3.42	.69	.73	1.68	1.613
March .....	.90	1.38	2.63	2.23	3.72	.64	3.90	1.54	.75	2.84	2.053
April .....	.85	1.89	.02	2.14	1.01	1.09	.79	1.66	2.77	1.94	1.416
May	1.56	1.70	1.12	1.71	1.00	2.98	1.97	1.49	1.92	.14	1.559
June	2.19	2.30	3.19	.30	2.13	1.20	1.63	2.77	.75	1.20	1.766
July	2.66	.80	1.39	1.93	2.25	3.42	1.22	5.36	5.40	2.04	2.647
August	1.90	.80	5.13	1.76	2.58	2.02	4.04	3.58	.99	2.24	2.504
September ..	1.06	1.06	2.30	1.99	.78	2.11	1.57	1.98	5.78	1.57	2.020
October ...	2.37	2.68	2.30	3.64	1.28	3.00	3.55	2.96	1.11	.62	2.351
November ..	2.67	3.25	1.66	1.97	2.78	1.72	3.97	1.01	1.91	1.34	2.228
December ...	3.10	4.55	2.41	.93	6.46	4.86	2.19	1.07	2.00	3.66	3.123
TOTALS ...	23.28	22.49	26.80	21.77	26.62	30.27	29.18	25.01	26.94	22.50	25.486

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

RAINFALL at Esher Sewage WorksCounty of SurreyObserver: F. C. Bayard Esq. H. C. FreedRiver Basin Thames-Mole 5

Rain Gauge, by _____

Diameter ...	5"										
Height	1.0										
Altitude ...	42	40			32						
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEANS.
January ...	2.01	1.86	2.13	1.16	2.37						
February ...	.32	.26	1.89	2.73	.36						
March	1.06	1.00	1.60	1.91	.68						
April	2.12	.55	2.32	1.53	2.36						
May .....	.56	1.80	1.19	2.18	2.54						
June	1.82	.32	.88	.31	2.56						
July	4.65	.06	3.13	2.48	3.30						
August	1.51	.65	2.16	1.54	2.58						
September...	2.56	1.31	1.36	1.26	3.23						
October	1.47	.84	.97	5.07	3.05						
November...	1.33	1.80	1.26	1.26	2.15						
December...	1.79	.95	3.59	1.83	2.36						
TOTALS...	21.20	11.40	22.38	23.26	27.54	# 755	186	67			
	D	D	D	D	D						

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 from gauge	Parish Church.	Distance from gauge	Direction from gauge

RAINFALL at Esher Sewage WorksCounty of Surrey Observer Esher U.D.C.River Basin Thames-Mole & C5Type of Gauge Negretti & Zambra

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

6183/39

Diameter											5"	
Height											20	
Altitude											44	
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	
January										24.1		
February										19.2		
March										36.8		
April										22.8		
May										18.0		
June										11.0		
July										23.0		
August										00		
September										13.5		
October										22.2		
November										7.55		
December										16.0		
TOTALS										282.1		

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.

BRITISH RAINFALL ORGANIZATION

RAINFALL at Eshes (Sewage Works)

41

County of Surrey Observer Eshes H.D.River Basin Thames Mole R.C.S.Type of Gauge Nagretti & ZambraAnnual Average in. based on years obs. un-weighted. Period of average Ref.File No. A.1.8.2/39

Diameter	5"			285	964						
Height	2' 0"				1		2 3'				
Altitude	44'				41				44' 6"		
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	2.43	2.56	4.44	1.23	1.54	1.43	1.15	3.18	1.61	.81	
February	2.43	.21	1.41	.71	1.38	2.22	.98	.85	.82	3.65	
March	3.90	1.80	.32	.11	1.02	1.09	4.33	.61	1.20	.68	
April	1.22	.85	.70	1.30	1.16	2.73	1.44	1.07	1.76	2.08	
May	1.13	2.92	1.96	.95	2.13	3.21	1.27	1.75	2.48	1.35	
June	2.49	.40	1.13	2.19	1.24	2.35	2.58	2.27	.72	2.23	
July	3.32	1.85	1.75	1.94	3.30	2.89	2.36	.84	1.54	3.34	
August	5.02	2.54	1.30	2.95	1.32	4.26	.38	3.19	1.46	1.64	
September	.41	.84	1.58	1.99	1.78	2.90	1.06	1.12	.48	2.75	
October	.86	3.50	2.56	2.66	2.40	1.02	.15	1.83	4.86	2.37	
November	2.72	1.88	1.18	3.61	.41	3.51	1.06	1.43	2.06	5.12	
December	1.65	2.23	1.40	1.27	2.79	2.33	2.62	2.53	1.21	1.60	
TOTALS	27.58 d	21.88 d	19.73 d	20.91 d	20.47 d	29.94 d	19.38 d	20.67 d	20.20 d	25.62 d	

1944 Engine house 20' high 54' N.N.W.

1947. Building 10' high 25' N.

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.
1944			Eshes	1 m	E	Eshes	3/4 m	S.S.E.

Station No. 14515

RAINFALL at ESHER. (GARDAGE WORKS.)

51

County of SURREY

Observer ESHER U.D.C.

River Basin 5 THAMES MOLE & C.

for Surrey County Council

Type of Gauge NEGRETTI & ZAMBRA (+A)

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

" " 23.52 " " 16 " " 1941-56.

1916-1950

File No. 2.612/39

S.

Diameter ...	5"	5"		285	964						
Height ...	2' 0"	1' 0"			1						
Altitude ...	44'	42'			51						
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	3.36	1.71	.91	1.02	1.98	3.65	1.44	2.00	2.18	1.86	
February ...	5.62	.69	1.09	2.11	1.23	.27	2.91	1.94	.06	1.83	
March ...	3.07	2.37	.39	2.00	.91	.54	.88	1.11	1.81	1.46	
April ...	2.59	1.24	1.93	.28	.23	1.20	.21	1.00	2.03	0.65	
May ...	1.86	2.18	1.29	2.71	3.52	.19	1.24	2.46	1.04	1.93	
June ...	.90	1.87	1.43	4.18	2.03	1.70	1.23	3.62	.52	2.12	
July ...	1.26	.55	3.88	2.40	.31	5.18	3.19	2.05	1.44	2.71	
August ...	2.70	4.09	1.45	2.59	1.38	3.16	2.92	3.78	1.03	3.05	
September ...	2.45	3.05	2.23	1.94	1.60	2.18	2.58	4.23	.01	2.38	
October ...	.69	2.41	2.80	1.76	2.44	1.78	1.48	2.10	2.29	6.11	
November ...	5.66	2.61	1.07	3.73	.95	.49	2.32	1.71	2.51	3.81	
December ...	1.89	2.17	.57	1.94	1.87	3.02	1.76	2.49	3.19	2.74	
TOTALS ...	32.05	24.94	19.04	26.66	18.45	23.36	22.16	28.49	18.16	30.25	
	D	D	D	D	D	D	D	D	D	D	

1942 begins to 50" high 33" N.W. with, then 20" high 23" N.W.

Inspected 25.11.52 M. P. W. G. Deeks. Gauge 12 inches. Measure Camber. S/E of E-S. W but gauge protected by hedge 1' 10" all round

RAIN RECORDER CHART
MICROFILM STN

FROM 12/51 TO 12/70

Position of Station on Ordnance One-Inch map: No. of Map National Grid Reference TS 139.661

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge.
1944 1952			ESHES Esher	1 mi 3 1/2 mi.	E ENE	ESHES EA.	3 1/4 mi 1 mi
							SSE S

Summary of Earlier Records from 10-year Sheets:

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
Jan 1885	✓	✓ NR 25-30	1940 only	✓	
	✓	✓	✓ d	✓ but 4000	