

RAINFALL AT *New Malden Sewerage Works*

151
80

Lat. Lon. County of *Survey*
 Rain Gauge, by Observer *J. L. Howard Esq. F. E.*
S/Thames. Mole. *F. C. Bayard Esq.*

Diameter									5		
Height									1.0		
Altitude									45		
Year.....	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January ....										.84	
February										1.88	
March										1.42	
April										1.76	
May										3.55	
June										1.15	
July										2.50	
August									<i>#</i> 2.93	1.69	
September...									1.19	1.12	
October									1.02	3.63	
November...									4.30	.52	
December ...									.76	1.20	
TOTALS										21.26	

Annual average rejected from London Survey as 2" low.

RAINFALL AT *New Malden Sewage Works*

Lat. _____

Lon. _____

County of *Surrey*

Rain Gauge, by _____

Observer *F.C. Bayard Esq**St. Thomas' Mole.*

Diameter	5											
Height	1 0											
Altitude	45											
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January	1.83	1.73	.25	1.27	2.45	1.12	.56	2.06	.82	1.76		
February . . . .	.65	.00	1.01	2.21	1.36	.15	.17	2.08	1.10	1.96		
March	1.08	1.85	.82	.27	.62	.88	3.04	3.59	1.12	.30		
April	1.61	.80	.81	.17	1.32	1.10	.65	2.48	.75	1.88		
May	1.35	2.29	1.11	1.12	1.41	.30	.17	1.25	2.40	1.17		
June	2.27	#	2.08	.99	2.14	.23	2.07	3.95	.93	.86		
July	3.41		1.67	2.00	3.65	4.60	1.22	1.69	.52	.43		
August	1.61		3.24	.44	2.44	2.76	2.75	2.77	1.30	.38		
September . . .	.65		1.73	.90	1.36	.87	8.07	2.84	.35	2.37		
October . . . .	.81		3.28	3.34	4.49	2.74	2.80	.40	3.33	2.14		
November	1.04	#	1.85	2.26	1.71	2.47	3.32	1.49	1.10	2.26	3.77	
December	(.50)	2.10	.96	1.80	1.68	1.98	3.28	2.43	2.14	1.19		
TOTALS	(16.81)		19.22	16.22	25.39	20.05	26.27	26.64	17.02	18.21		

*add for
Surrey from
St. 10**1890 Dec? unreliable**Annual average rejected from London Survey as 2" low.*

RAINFALL AT New Malden Sewage Works

Lat.

Lon.

County of SurreyEastOrdinary pattern
of Thames-mole.

Rain Gauge, by

Observer. F.C. Bayard Esq.J.R.H. DavisonR.H. Jeffes Esq.

Diameter ..	5											
Height	10									5.0		
Altitude ..	45											
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.	
January ..	2.40	.80	.59	1.85	2.07	.86	3.07	.65	1.13	.67	1.409	
February ..	2.74	.81	.58	.67	1.65	.55	1.30	1.10	.89	.45	1.094	
March ....	.81	1.66	1.03	1.59	.99	2.99	.85	.67	2.43	2.69	1.571	
April .....	.54	1.68	.46	1.34	.70	1.29	.37	3.01	2.25	1.25	1.289	
May .....	.71	.36	1.81	1.77	1.93	.88	.99	1.40	1.22	1.55	1.262	
June	1.85	1.75	3.65	5.89	.75	4.48	2.41	1.53	2.85	4.40	2.956	
July	1.05	1.61	.91	4.05	1.28	.97	.51	1.02	2.78	3.24	1.742	
August	2.61	1.86	2.68	4.01	1.74	3.07	.90	1.96	3.09	1.53	2.345	
September ..	.45	1.30	1.60	2.69	.92	1.53	2.08	.45	1.55	1.81	1.438	
October	1.49	1.64	1.10	4.52	1.56	1.06	3.15	2.99	1.83	3.49	2.283	
November ..	1.77	.35	1.15	1.42	1.38	2.77	3.53	2.13	.50	.81	1.581	
December ..	1.91	2.51	1.09	1.07	2.06	.55	1.64	2.66	1.46	2.25	1.720	
TOTALS ..	18.53	16.33	16.65	30.87	17.03	21.00	20.80	19.57	21.98	24.14	20.690	

1904 amount too little - not printed

1909 Christ Church 1 1/4 mile NE

New Malden Station 1 " NE

Building 20 ft high 100 ft E

Annual average rejected from London Survey as 2" low.

RAINFALL at New Malden Sewage Works

151

County of SurreyObserver R. H. Jeffes Esq.River Basin Thames. Mole 5J. H. Witham Esq.
7 Chayes Esq.

Rain Gauge, by _____

Diameter ...	5										
Height	50	10									
Altitude ...	50	45									
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	1.36	.99	2.04	2.40	.12	5.00	.77	.74	2.74	2.86	2.79
February ...	2.41	.87	1.31	.68	2.18	3.75	3.06	.98	.80	1.88	2.72
March .....	.87	1.39	2.17	1.99	3.71	.96	3.60	1.41	.77	2.95	2.73
April	1.01	1.66	.10	2.43	.59	1.61	1.03	1.86	3.18	2.25	2.32
May	1.47	2.37	1.22	1.66	1.23	3.71	2.09	2.06	1.39	.30	2.84
June	2.71	2.04	3.34	.24	2.64	.65	1.87	3.15	.87	1.08	2.97
July	2.96	.52	1.43	2.06	2.10		2.00	5.25	7.48	2.11	3.80
August	2.44	1.46	4.70	1.73	1.71		3.41	4.29	1.05	2.10	3.83
September ..	.88	1.16	2.23	1.94	.90	2.23	1.47	1.82	5.95	1.47	3.71
October ...	2.81	2.87	2.09	4.37	1.29	2.66	3.27	3.23	1.15	.98	3.63
November ...	2.68	3.11	1.64	1.85	2.95	1.84	4.52	1.25	2.21	1.09	3.07
December ...	3.03	4.43	2.30	.73	5.31	4.65	2.14	1.73	2.02	3.46	3.35
TOTALS ...	24.63	22.87	25.67	22.08	25.03		29.23	27.77	29.61	22.53	27.14

1910 Bricks Buildings 20 ft high 100 ft E

109.14

109.14 ✓

Annual average rejected from London Survey as 2' does

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1910			New Malden	1 Mile	NE	Church New Malden	New Malden	NE

RAINFALL at New Malden Sewage WorksCounty of SurreyObserver R. H. Jeffery Esq. CERiver Basin Thames. Mole 5Surrey (New Malden, U.P.C.)Sharnford Rain Gauge, by(Malden & Coombe U.P.C.)

Diameter ...	5"											
Height	10				1.6	1.3						
Altitude ...	45		50			48						
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1930
January ...	1.93	1.89	2.06	1.19	2.43	1.39	2.00	1.80	2.40	.98	2.67	21.04
February ...	.42	.18	1.62	2.81	.56	3.19	2.36	3.39	1.15	.29	0.65	16.62
March	1.14	1.07	1.54	2.08	.70	.50	.19	2.76	1.35	.01	1.52	128.6
April	2.54	.79	2.28	1.43	3.59	1.79	3.34	1.59	1.30	.87	1.22	20.74
May .....	.40	1.20	.93	2.37	3.11	1.64	1.34	1.17	2.25	1.31	2.95	18.67
June	2.26	.18	1.07	.24	2.27	.06	3.50	3.12	2.30	.90	1.04	16.94
July	4.41	.00	3.08	3.97	3.20	3.78	1.73	2.75	2.23	1.09	1.69	27.81
August	1.66	.71	2.28	1.72	2.39	2.14	1.06	3.55	2.21	2.21	2.54	20.47
September...	3.09	1.59	1.52	1.15	3.08	2.24	.99	4.21	.45	.14	2.40	21.46
October.....	.90	.86	.82	5.18	3.19	2.15	2.39	.93	4.14	2.46	0.95	23.97
November...	1.31	1.77	1.09	1.35	2.22	1.53	4.82	2.71	1.48	5.32	3.99	27.59
December...	1.85	1.05	3.07	2.02	2.33	2.23	.27	3.14	2.14	4.80	1.65	24.55
TOTALS...	21.91	11.29	21.36	25.51	29.07	22.59	23.99	31.12	24.00	20.38	23.57	254.79
	2	2	2	2	2	2	2	2	2	2	2	2

Inspected 16/1/28 see green file

1930. G. read in winter 9 a.m.

" " Summer 10 " "

Annual average reported from London Survey as 2' low.

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	Parish Church.	Distance from gauge	Direction
1920			New Malden	1 mi	N.E.	Christ Ch. New Malden	1 1/4 mi	N.E.

RAINFALL at New Malden (Savage Works) (+A)County of SurreyObserver R. H. Jefferys, C.E.River Basin Thames - Holes - 5A. R. Goldthorpe, C.E. *Type of Gauge Snowdon (+A)

22.8

Annual Average 22.8 in. based on 10 years obs. un-weighted. Period of average 1881-1915 Ref. T.M.S.22.1 in. reported by 2 in. (1900)Ref. 420048740

865947/28

Diameter	5											
Height	10					3	1.11	1				
Altitude	48				50			51				
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	
January	1.26	1.59	1.31	1.55	1.05	4.04	3.41	2.02	3.68	2.16	2207	
February	1.54	.14	2.78	.27	2.49	1.71	3.49	.34	.85	1.39	1500	
March	.16	1.19	2.37	1.84	.26	1.16	2.65	.26	.85	3.12	1386	
April	3.85	2.00	.44	2.17	3.00	1.77	1.24	.08	2.20	1.67	1902	
May	2.42	4.37	2.32	0.49	1.07	.60	2.19	1.17	1.47	1.16	1726	
June	1.90	.76	1.31	1.13	4.24	2.55	1.92	.45	1.11	.58	1595	
July	3.03	2.19	1.43	2.40	1.16	2.31	.55	1.10	2.07	3.07	1931	
August	4.87	.73	.56	2.10	2.32	.62	3.16	1.95	3.10	.17	1958	
September	2.32	1.90	2.83	1.21	2.63	2.12	1.54	2.35	.99	1.30	1919	
October	.78	4.80	1.46	1.08	2.68	1.84	2.28	1.92	5.65	1.94	2443	
November	2.21	1.06	.82	2.02	4.42	3.00	1.28	3.22	3.19	6.51	2773	
December	.56	.52	.42	4.95	2.23	1.76	3.95	2.63	.80	.99	1881	
TOTALS	24.90	21.25	18.05	21.21	27.55	23.48	28.26	17.49	25.96	24.06	23221	RM

1932. Nothing within 100 yds.

1934. Willow tree 30' high 70' W.

1936. Change of down notified 14/10/36.

Works 15' above gauge, 75' E.

+ Inspected 6/12/38 by G.R.R. Bennett. Site not satisfactory.

* Per Surrey County Council (A.R. 1938)

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.			New Malden	1/2 m	N.E.	Malden Rd.	1/2 m.	N.E.

RAINFALL at New Malden (Sewage Works)

41

County of Surrey

Observer A. R. Goldthorpe Esq. B. Sc. *

River Basin Thames, Mole, S.E. 5

Malden & Goonite B.C. *

Type of Gauge. Snowdon (T.R.)

Annual Average 22.9 in. based on 10 years obs. un-weighted. Period of average 1881-1915 Ref. I.W.S.

File No. 865947/28

Diameter	5"			286	390							
Height	10"				1							
Altitude	51'				41							
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	
January	2.30	2.51	4.49	1.32	1.62	1.36	1.46	2.99	1.17	.85	20.07	
February	1.73	.60	1.60	.65	1.31	2.21	1.38	1.21	1.00	3.41	15.10	
March	3.35	1.76	.26	.05	.96	1.11	4.57	.57	.87	.59	14.08	
April	1.33	.85	.78	1.56	1.19	2.20	1.69	1.26	1.62	2.88	15.36	
May	1.59	2.65	1.58	.90	2.32	3.25	1.52	1.93	2.19	1.73	19.66	
June	2.29	2.46	1.24	2.01	1.41	2.40	2.10	1.90	.57	1.21	17.59	
July	3.54	1.69	1.62	2.18	3.32	1.12	1.27	.83	1.66	3.19	20.42	
August	4.62	1.71	1.08	2.30	1.22	4.08	.35	3.09	1.44	1.31	21.20	
September	.83	1.17	1.79	2.11	1.54	3.12	1.23	.93	.45	2.41	15.08	
October	.75	3.47	2.62	2.61	2.20	0.93	.12	2.00	4.76	.26	19.72	
November	2.51	2.00	1.19	3.49	.25	3.21	1.12	1.41	1.99	4.70	28.7	
December	1.63	2.37	1.48	1.28	2.68	2.25	2.31	2.82	1.20	1.58	19.60	
TOTALS	25.97	23.33	19.73	20.46	20.02	27.24	19.12	20.94	18.92	24.12	219.15	AM

* 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.

BRITISH RAINFALL ORGANIZATION

Station No. 151/2RAINFALL at Wimbledon (Highway Road) (Spencer Hill) 41County of SurreyObserver Nathan S. Gardiner EsqRiver Basin Thames, Lee & C. E.Type of Gauge Gilchrist

B. A. (1944)

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

File No. E.513/43

Diameter	287	195	5"			287	195				
Height			1' 0"				1				
Altitude		41	70'	40'	70'	80'	41				
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January			1.00 1.29	2.01	1.55	1.49	3.08	1.09			
February			1.98	1.74	1.42	2.45	1.25	1.42	.93		
March			.30	.07	1.07	1.31	5.10	.66	.95		
April			.81	1.59	1.12	2.26	1.50	1.40	1.85		
May			1.87	.93	2.46	3.70	1.49	2.14	1.88		
June			1.32	2.34	1.35	2.47	2.39	2.31	.75		
July			1.50	(2.66)	3.06	1.50	1.34	.92	1.83		
August			1.34	(2.39)	1.82	4.26	.37	3.59	1.38		
September			1.37	2.81	1.72	2.89	1.20	.98	.54		
October			2.43	3.27	2.25	1.03	.18	2.25	5.44		
November			1.08	3.59	.24	3.32	1.28	1.92	2.41		
December			1.57	1.21	3.11	2.20	2.23	3.25	1.42		
TOTALS			1.00 20.57	(22.80)	21.63	28.94	19.82	23.92	20.47		

1943 Trees 35' high 8 yds NE-SE; shed 6' high 4 yds W.N.W.
fence 4' high 4 yds N.W. House 30' high 10 yds S.W. Jan. sold.
1944 July ph. sold, August sold by ref. to same 3 hrs.
1945. Observer moved to Spencer Hill, Wimbledon June 19 - 700 yds NE
16.40 12.5' NE. 25 ft 2.5 ft NW, 25 ft 50 ft S.W., 10 ft 30 ft SE.
1950 September indefinite. See also 219 ft. E 513/43.

Position of Station on reduced Ordnance Survey Map, }
1 mile to 1 inch Series

No. of Map.....

Reference No. TQ 243 704

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge.	Direction from gauge.
1943			Wimbledon	1 mi	E.N.E.	Wimbledon	1.5 mi	N.
1949.			"	700 yds	ENE	"	3/4 ml.	N.N.E.

BRITISH RAINFALL ORGANIZATION

Station No. 151

RAINFALL at NEW MAIDEN

(SEWAGE WORKS)

51

County of SURREY

Observer MADEN & COOMBE B.C.

River Basin S. THAMES MOLE & C.

(PER SURREY CC)

Type of Gauge. SNOWDON (1A)

Annual Average 22.8 in. based on 10 years obs. un-weighted. Period of average 1891-1915 Ref. 1498

File No. 86594/28 E.22292/58

Diameter ...	5'			286	390						
Height ...	0' 10"				1						
Altitude ...	51'				51						
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	2.92	1.68	.98	1.08	2.31	3.59	1.60	1.81	2.21	1.75	19.93
February ...	5.46	1.02	1.25	2.07	1.61	.39	2.77	1.99	.05	1.51	18.12
March ...	2.85	2.67	.45	1.93	.91	.70	.72	1.11	1.90	1.78	15.02
April ...	2.35	1.40	2.08	.33	.25	1.04	.20	1.17	1.79	0.54	11.15
May ...	1.94	2.40	1.18	2.75	3.69	.20	1.24	2.27	.85	1.77	18.29
June ...	.83	2.03	1.32	4.41	2.24	1.94	.75	4.04	.88	1.03	12.47
July ...	1.28	.60	3.68	2.72	.26	3.98	2.93	1.98	1.13	2.98	21.54
August ...	2.35	2.42	1.21	3.16	1.03	2.39	3.99	3.20	1.68	2.93	24.86
September ...	2.69	3.19	2.57	2.20	1.84	1.99	2.32	4.04	.02	2.62	23.48
October ...	.70	2.51	3.08	2.05	2.68	1.56	1.64	2.69	2.09	5.10	24.09
November ...	5.09	3.20	.93	3.66	.65	.42	2.57	1.72	2.92	3.45	24.61
December ...	1.80	2.35	.58	1.71	2.00	2.64	1.77	2.69	3.29	2.34	21.17
TOTALS ...	30.26	25.47	19.31	28.07	19.47	20.84	22.50	29.20	18.81	27.80	241.73
	D	D	D	D	D	D	D	D	D	D	

Inspected 27/10/54 by P.H.G. Deedes. Very exposed to SE-S-NW. Slope from separation bank down to gauge 18' across 6' high. Satisfactory site indicated to N. of pump on gauge bank.

Position of Station on Ordnance One-Inch map :

No. of Map 1.70

National Grid Reference T.9.197.5.55

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

Summary of Earlier Records from 10-year Sheets :

New measurements. Available since 1910

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	✓ MP 1915	✓	✓	✓	
	✓ burd 19	✓ burd 20, 23	✓	✓	