

RAINFALL AT

East Malling Broadwater

Lat. _____

Lon. _____

County of *Kent*

Rain Gauge, by _____

Observer *C.B. Mercer Esq*

at midway.

Diameter . . .							5					
Height							1	6				
Altitude							80	60	169			
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January . . . .							.96	2.00	.55	3.38		
February . . . .							.41	2.44	1.30	2.51		
March							2.74	3.71	2.27	.80		
April . . . . .							.61	2.24	1.27	3.30		
May . . . . .							.44	1.24	4.14	1.65		
June							3.66	2.15	1.97	.66		
July							2.47	.32	.30	3.39		
August							1.80	2.83	1.52	1.94		
September							6.36	2.81	.43	3.42		
October							4.39	.31	2.87	2.35		
November							1.39	1.18	2.87	4.35		
December							3.28	3.23	2.07	1.53		
TOTALS							28.51	24.46	21.56	29.29		

RAINFALL AT East Malling Broadwater

Lat.

Lon.

County of Kent West

Rain Gauge, by N+3

Observer C.B. Mercer Esq

4 - Medway.

Diameter ..	5											
Height	1 6											
Altitude ..	169											
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEAN.	
January ..	3.07	.79	.96	2.19	3.45	1.02	4.05	1.68	1.74	1.09	2.004	
February ..	4.50	1.16	1.43	1.27	3.44	.88	2.26	1.65	1.70	.94	1.923	
March	1.06	2.52	1.40	2.62	1.70	2.96	1.95	.98	2.63	3.82	2.164	
April .....	.78	2.34	.53	1.92	1.04	2.60	.88	2.63	2.78	2.00	1.745	
May	1.01	.87	2.71	3.16	1.51	1.91	1.37	2.69	1.95	1.80	1.898	
June	3.31	.63	2.65	6.43	1.65	4.55	2.56	2.29	2.49	2.75	2.931	
July	1.13	2.45	1.85	4.91	1.52	1.37	.76	.86	3.57	4.15	2.257	
August	2.58	1.73	3.05	3.29	1.15	2.52	.74	2.49	3.56	2.40	2.351	
September..	1.03	1.49	1.84	2.15	1.75	1.90	1.49	.56	1.69	4.17	1.810	
October	2.22	1.90	2.73	5.27	2.10	1.44	4.30	4.53	2.11	5.63	3.223	
November..	2.55	.84	1.64	2.61	1.25	3.34	5.55	2.05	.92	1.11	2.186	
December ..	3.10	3.93	2.03	1.60	2.72	.88	1.84	2.83	2.35	3.49	2.477	
TOTALS ..	26.29	20.65	22.82	37.42	23.31	25.37	27.75	25.24	27.49	33.35	16.960	

D D D D D D

1902 W Malling Church 1 Mile N.W.

1903 " Station 1 " N

RAINFALL at East Malling BroadwaterCounty of KentObserver C.B. Marsden EsqRiver Basin Medway 4

Rain Gauge, by _____

Diameter ...	5											
Height	1	6										
Altitude ...	169											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	TOTALS
January ...	2.51	1.27	2.67	3.70	.57	3.27	1.23	1.33	3.05	4.28		16.19
February ...	3.71	1.47	1.82	.92	2.67	3.60	4.32	.72	1.01	1.82		9.89
March	1.89	2.75	3.38	2.62	5.61	1.16	4.36	2.21	.86	3.26		7.87
April	1.75	2.29	.09	3.27	1.25	1.34	1.26	2.38	2.18	3.03		10.69
May	3.28	.87	1.27	.97	1.04	3.64	2.11	2.66	2.21	.18		8.85
June	2.72	2.12	3.53	.73	1.00	.57	2.85	2.36	1.64	1.14		7.16
July	2.45	.66	1.04	1.86	1.01	3.89	1.27	4.48	5.01	1.95		7.99
August	2.00	1.07	5.00	1.75	.64	3.05	3.42	4.77	1.45	2.60		12.71
September ..	.76	1.59	2.63	1.69	.91	2.53	1.13	1.33	4.85	1.15		12.24
October ...	2.39	4.54	3.17	4.14	2.21	1.53	3.19	4.56	2.29	1.02		8.46
November ..	3.64	5.66	2.25	4.02	3.82	3.21	4.16	1.78	2.24	2.26		11.06
December ...	3.15	4.88	2.57	1.14	5.93	6.53	2.78	2.36	2.25	4.34		10.44
TOTALS ...	29.75	29.17	29.42	26.81	26.66	34.32	32.08	30.94	29.04	27.03		11.73
	I		I	I	I	I	I	I	I	I		119.09

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
			Malling	1 m	N			

RAINFALL at *East Malling Broadwater*County of *Hert*Observer *C.B. Mercer Esq. died 21/21*River Basin *Medway &**Howard* Rain Gauge, by *H. 23*

Diameter ...	5										
Height	1	6									
Altitude ...	169	166									
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEANS.
January ...	3.08	2.64	3.08	1.30	2.14	2.06	2.30				
February ...	.89	1.15	1.55	3.65	.92	3.72	2.50				
March	1.11	1.55	2.14	2.13	1.25	.88	.41				
April	3.00	1.48	2.66	2.16	3.72	2.36	5.31				
May	1.10	1.74	.99	2.96	3.17	2.27	1.76				
June .....	.75	.14	1.57	.86	2.36	.30	2.82				
July	3.62	.52	3.00	1.02	3.94	3.82	1.66				
August	1.52	1.06	2.49	2.06	2.59	2.23	1.45				
September...	3.72	1.12	2.80	1.91	3.99	2.44	.89				
October	1.04	.73	1.48	6.27	4.19	4.01					
November...	1.02	1.69	1.51	2.29	3.41	3.00					
December...	2.39	1.35	3.42	2.37	3.55	3.19					
TOTALS...	22.94	15.67	26.99	28.98	35.23	30.28					
	D	D	D	D	D	D					

1922. Inc 10 ft high 20 yds S.

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

Map, 2 miles to 1 inch Series

Reference No.

Date.	Lat. N.	Long. E	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge	Direction
1920	51° 15'	0° 15'	Malling	1 mi	N	E. Malling	1900 yds	E

RAINFALL at East Malling Research Station

County of Kent Observer H. M. Tydeman Esq
 River Basin Medway H The Secretary
M.O. Rain Gauge, by Kent County Council

Diameter ...						8						
Height						1.0						
Altitude ...						132						
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	
											MEANS.	
January ...			1224			2.11	2.46	2.25	3.48	1.02	2.82	26.38
February ...			816			3.27	2.48	3.98	1.23	.61	1.61	21.34
March			818			.88	.38	3.11	1.41	.01	1.41	15.68
April			1302			2.01	4.77	1.58	2.01	1.17	1.28	25.34
May			996			2.01	1.86	.84	2.01	1.35	2.33	20.36
June			568			.28	2.64	3.73	2.41	.98	.51	16.23
July			1210			3.45	1.71	3.96	1.58	1.04	2.16	26.00
August			972			1.79	1.32	4.57	2.25	2.19	3.64	25.48
September...			1354			1.80	.67	4.76	.34	.61	3.20	25.02
October			1371			3.55	2.46	1.43	4.51	3.15	1.32	30.13
November...			992			2.85	5.81	2.45	3.19	5.89	5.21	35.42
December...			1358			3.01	.74	4.68	3.67	5.07	1.92	32.67
TOTALS...			12981			27.01	27.20	37.34	28.39	23.09	27.61	300.55

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

May, 2 miles to 1 inch Series

Reference No.

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge	Direction
1925			East Malling Hall	1/2 m.	W.	East Malling	1/2 m.	W.

RAINFALL at East Malina (Research Station) M.W.R.

County of Kent

Observer Kent Co Council

River Basin Medway 4

The Principal.

Type of Gauge.....

The Director (1938)

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

Diameter													
Height													
Altitude													
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Total Means		
January	1.58	2.06	1.52	2.17	1.19	4.63	5.22	2.94	4.18	2.08	27.57		
February	1.81	.46	1.46	.32	3.56	1.87	4.24	.85	1.27	1.79	17.63		
March	.15	1.15	2.33	2.86	.16	1.21	3.26	.40	1.42	2.93	15.86		
April	3.94	1.81	.85	2.87	3.31	1.31	2.47	.41	2.32	1.42	20.71		
May	1.99	3.06	2.21	.74	1.82	.44	2.71	2.21	1.63	.98	17.79		
June	1.32	.69	2.01	1.55	1.63	3.95	2.30	.58	1.27	.43	15.73		
July	2.41	2.12	3.18	2.02	.94	2.80	.91	1.41	2.57	3.58	21.94		
August	3.42	1.26	.69	1.69	2.67	1.20	1.77	2.94	2.55	.13	18.32		
September	1.94	1.97	3.56	1.38	3.57	2.34	2.57	3.08	.90	1.12	22.43		
October	.51	5.60	1.73	1.61	3.26	2.38	2.49	2.45	8.31	3.32	31.66		
November	4.09	.82	1.14	2.41	5.15	4.32	1.58	2.49	5.27	7.52	34.79		
December	.40	.44	.66	5.07	3.11	2.12	4.08	3.14	1.27	1.71	22.00		
TOTALS	23.56	21.44	21.34	24.69	30.36	28.57	33.60	22.90	32.96	27.01	266.43		

Inspected 7/10/32.

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Position of Station on reduced Ordnance Survey Map, } No. of Map..... Reference No.....
1 mile to 1 inch Series

[illegible]

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

RAINFALL at East Malling (Research Station)

41

County of Kent

Observer The Director

River Basin Medway-4

Type of Gauge

Annual Average 26.1 in. based on 22.5 years obs. un-weighted. Period of average 1881-1915 Ref. A.W.S.

File No.

Diameter	8"				297	880				8"	
Height	1' 0"					1		16	16 1/2	1' 0"	
Altitude	132'					41				132'	
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	2.68	2.38	4.96	1.50	1.97	1.65	2.17	3.44	.90	1.28	22.93
February	1.95	1.05	1.50	1.25	1.65	2.69	1.35	1.84	.95	4.20	18.43
March	2.02	2.50	.33	.06	1.37	1.12	4.97	.82	.88	1.06	15.13
April	1.99	1.43	1.51	1.06	1.41	3.06	1.54	1.28	1.85	2.66	17.29
May	1.43	4.03	2.82	.48	2.32	2.92	2.06	2.14	2.14	1.43	21.77
June	1.77	.21	1.63	1.26	.92	1.68	2.17	4.42	.59	1.25	15.90
July	2.90	2.22	1.40	2.23	2.61	1.95	3.69	1.49	.54	3.08	22.1
August	4.42	2.72	1.37	3.66	2.18	5.03	.01	2.87	1.36	2.22	25.24
September	.26	2.49	2.38	2.53	.95	2.62	1.53	1.37	.96	2.09	17.18
October	1.25	3.29	2.91	5.30	2.27	1.84	.39	1.48	7.50	.17	26.40
November	3.51	1.48	1.49	4.21	.68	4.88	.91	1.52	2.59	5.85	27.12
December	1.87	2.51	1.96	1.87	4.15	2.29	2.93	3.41	1.19	2.06	24.24
TOTALS	26.05	26.31	24.26	25.41	22.48	31.73	23.72	26.08	20.95	27.35	254.34

Inspected Mr L.P. Smith 25.8.49. Gauge old and in poor condition but not leaking. 2 inch 6 1/2" New gauge to be ordered and put at foot. Site satisfactory.

27/8/49. New gauge & measure ordered.

27/11/49 In use (1094).

226.99

254.39

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

No. of Map

Reference No 70 (5) 70568

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

RAINFALL at EAST MALLING (RESEARCH STATION)

51

County of KENTObserver THE DIRECTORRiver Basin MEDWAY - 4

Type of Gauge

Annual Average 26.1 in. based on 27 years obs. un-weighted. Period of average 1881-1915 Ref. H.W.S.
26.87 - 35 - 1916-1950File No. E 13062/32

Diameter ...	8"				27	880						
Height ...	1' 0"					1						
Altitude ...	132'	122				51						
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means	
January ...	2.66	2.30	1.09	1.64	3.45	4.77	1.72	2.77	2.19	2.56	25.15	
February ...	5.90	.83	1.22	2.25	1.80	.79	3.58	2.45	.09	1.89	20.75	
March ...	3.37	3.27	.21	2.40	1.11	.67	1.11	1.39	1.61	1.22	16.56	
April ...	2.92	1.06	2.44	.38	.20	1.14	.15	1.43	2.02	0.72	12.46	
May ...	1.65	1.02	1.90	1.67	3.73	.61	1.53	2.03	1.12	2.22	17.48	
June ...	1.31	1.15	1.50	2.56	1.91	2.18	1.40	3.93	.98	1.12	18.04	
July ...	2.79	.67	2.83	2.45	1.79	4.01	3.25	1.16	1.61	3.69	24.25	
August ...	3.69	2.85	1.82	2.96	.98	2.89	2.24	3.82	.84	4.31	26.40	
September ...	3.91	3.20	3.10	1.53	2.50	2.56	2.86	2.50	.11	4.11	26.88	
October ...	1.05	2.60	2.76	1.81	4.63	1.26	1.17	3.92	2.87	6.05	28.12	
November ...	4.35	4.64	1.33	4.95	1.02	.84	3.00	1.69	3.53	4.91	30.06	
December ...	2.21	2.84	.74	1.50	2.12	2.97	2.47	3.63	4.95	3.45	26.08	
TOTALS ...	35.81	26.43	20.94	26.10	25.24	24.69	24.41	30.52	21.42	35.95	27.51	
	D	D	D	D	D	D	D	D	D	D	D	

1952 Ht. of 122' decided by recent survey made by him. 7.12.52

1955 - May - inspected - satisfactory

1956 - July (Mr. Stubbley) - Lower section of gauge damaged - funnel o.k. sited on well-draining soil - not grass. Earth rain-gauge to be set up into ground to prevent over-shelter.

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference 51714568

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 1925	✓	✓	✓
		✓	✓	✓	