

RAINFALL at Chelmsford, Sandford Mill W.W.County of EssexObserver E. J. Miles Esq., A.M.S.E.River Basin Blackwater 4The Borough EngineerRecorder Rain Gauge, by H. & G.
Tilting standard gauge

Diameter ...											8	
Height											5.5	
Altitude ...											69	
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 1930	
January ...											1.31	
February58	
March											1.01	
April											2.02	
May										<i>Wimp</i>	1.40	
June21	.60	
July84	1.30	
August69	1.91	
September...										.09	2.40	
October										1.85	.83	
November...										4.23	3.08	
December...										2.97	1.84	
TOTALS...										<i>Wimp</i> 18.28		

1929 Brick engine house 30 ft. high 100 ft. E.

1930. NP low. New standard gauge purchased April 1931.

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
1929			Chelmsford	2 mi.	N.W.	Sandford	1 mi.	S.

RAINFALL at Chelmsford (Sandford Mill W.W.)County of EssexObserver Borough Engineer.River Basin H-Blackwater.The Water Engineer.Type of Gauge Tilting Bucket Recorder No 2.

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

8639/30

Diameter	8"											
Height	5' 5"											
Altitude	69'											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	
January	1.12	1.11	1.16									
February	1.46	.29	.99									
March	.22	1.23	1.51									
April	2.71	1.82	1.29									
May	2.44	3.52	1.79									
June	1.13	.51	1.86									
July	2.46	2.08	.77									
August	2.90	1.70	.27									
September	1.02	1.90	1.97									
October	.60	5.10	1.60									
November	1.50	.85	1.57									
December	.48	.26	.96	#	Terminated. Observer has installed standard g at Longtoms B. 25m WSW. Comp 1934.							
TOTALS	18.04	20.37	15.44									
	D.	2										

1931. 5" low on year. up Recorder.
Engine House 30' high 100yd E.

1932. Water caught & measured after passing through gauge. end 8639/30.

1934 up being retained in file
Gauge moved to 1287/4.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
1931			Chelmsford.	2m	WNW	Sandon	1m	S.

Station No. 1288/3RAINFALL at CHAMBERS (SANTO MIA Waterworks)

41

County of Essex Observer Essex Rivers Commission BoardRiver Basin 4 - BlackwaterType of Gauge M.O. + A

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

File No. 1288/34

Diameter	233	276						8"	#		
Height								- 10'			
Altitude								68'			
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January									1.40	1.26	
February									1.00	3.13	
March									.71	.53	
April									1.05	1.46	
May									1.46	1.55	
June								#	.49	1.56	
July								1.22	1.38	1.86	
August								2.99	1.37	.86	
September								1.36	1.42	2.23	
October								1.76	4.77	.22	
November								2.02	2.43	4.23	
December								1.78	1.24	1.32	
TOTALS								25.0	18.72	20.21	

1948 based from New Ventilation 21 (for 1948) on 26" gauge
 1948 base 10' 6" high 33' 5" Ventilation cover 6' high 84' ESE
 Ventilation 6' " 28' SSE Newel House 10' " 88' E.

RAIN RECORDER CHART
MICROFILM STN

FROM	TO
9/47	6/67

 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.
1948			Chelmsford	2 1/2 m	NW	Sandon	5 m	SSE

BRITISH RAINFALL ORGANIZATION

Station No. 1288/3

RAINFALL at Chelmsford (Sandford Mill W.W.)

51

County of Essex Observer Essex Rivers Catch. Bd.

River Basin Blackwater - 4 Enon Lake Basin (W. 52)

Type of Gauge No. 10 (M.O. standard) (+A) (No. 2) (Read by Chelmsford W.W. staff)

Annual Average in. based on years obs. un-weighted. Period of average 1916-50 Ref. 1916-50

21.83 - 9 - 1949-57

File No. 346098/345 152.16/52

Diameter ...	8"			233	276					8"	
Height ...	0' 10"									8"	
Altitude ...	68'									68'	
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	1.79	1.67	.92	1.30	2.34	3.40	.90	2.11	1.83	1.60	
February ...	5.22	.76	.89	2.18	1.64	.31	2.39	2.40	.04	1.83	
March ...	2.62	2.54	.35	2.01	.98	.75	1.18	.85	1.48	1.10	
April ...	2.29	.89	1.76	.19	.13	.98	.20	1.20	2.05	.37	
May ...	2.55	1.01	1.41	1.63	4.79	.51	.92	2.09	.82	2.28	
June69	1.49	1.68	2.40	2.33	1.40	1.21	5.17	.52	1.83	
July ...	1.63	.52	2.75	2.18	.36	3.99	2.49	3.43	2.45	2.39	
August ...	2.59	1.46	1.61	2.49	.57	3.74	2.58	3.42	.93	3.26	
September ...	3.07	2.55	2.10	1.33	2.44	1.58	2.55	5.13	.08	5.13	
October59	2.17	2.60	1.42	4.01	1.09	1.83	2.36	1.87	5.42	
November ...	3.76	3.84	.71	3.22	.78	.47	2.76	1.32	2.44	3.36	
December ...	1.77	2.46	.71	1.59	1.32	2.14	1.65	3.22	3.86	2.26	
TOTALS ...	28.57	24.36	17.49	21.94	21.69	20.36	20.16	32.70	18.34	30.83	
	D	D	D	D	D	D	D	D	D	D	

1951 Small brick hut 10½' 33'S; Ventilator covers 6', 28' SSE + 24' ESE; Recorder House 10', 55'E;
 Deposited 25.3.60 by G.H. Baker. o/c NW → SW → SSE and SE.

RAIN RECORDER CHART
MICROFILM STN

FROM 9/47 TO 6/47

Position of Station on Ordnance One-Inch map: No. of Map National Grid Reference 52 718 060

Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge.
1951			Chelmsford	26 W WNW	Sandon	9/6 W SSE.

Summary of Earlier Records from 10-year Sheets:

Record D, or	1910-19	1920-30	1931-40	1941-50	1951-60
				C. 1948 ✓	✓