

## RAINFALL at Chelmsford, Sandford Mill N.W.

County of Essex

Observer E. J. Miles Esq., A.M.G.E.

River Basin Blackwater &amp;

The Borough Engineer

Recorder Rain Gauge, by H. &amp; G.

Tilting Bourke gauge

Diameter .....										8	
Height .....										5 - 5	
Altitude .....										69	
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MILES. 1930
January .....											1.31
February .....											.58
March .....											1.01
April .....											2.02
May .....											1.40
June .....											.21 .60
July .....											.84 1.30
August .....											.69 1.91
September .....											.09 2.40
October .....											1.85 .83
November .....											4.23 3.08
December .....											2.97 1.84
TOTALS .....											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	Parish Church.	Distance from gauge	Direction
1929			Chelmsford	2 min.	N.W.	Sandon	1 min.	S.

## RAINFALL at Chelmsford (Sandford Mill W.W.)

County of Essex

Observer Borough Engineer

River Basin H. Blackwater.

The Water Engineer.

Type of Gauge Tipping Bucket Recorder No 2.

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

8639/30.

Diameter	5"										Means
Height	5' 5"										
Altitude	69'										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	
January	1.12	1.11	1.16								
February	1.46	2.29	1.99								
March	2.22	1.23	1.51								
April	2.71	1.82	1.29								
May	2.44	3.52	1.79								
June	1.13	1.57	1.56								
July	2.46	2.08	1.77								
August	2.90	1.70	1.27								
September	1.02	1.90	1.97								
October	1.60	5.10	1.60								
November	1.50	1.85	1.57								
December	1.48	2.26	1.96	H	Terminated. Observer has installed standard 9 at Longtempo Est. 25m WSW. Comm 1934.						
TOTALS	18.04	20.37	15.44	D							

1931. 5" low on year. sp. Recorder.

Engine House 30' high 100yds E.

1932. water caught &amp; measured after passing through gauge. ref 8639/30.

1934 up big retained in file

Gauge moved to 1287 1/4.

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	www	Sandon	1m	3.

Station No. 1288/3

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## RAINFALL at Charnford (SANDON Mill Waterworks)

County of Essex

Observer Essex Rivers Catchment Board

River Basin 4 - Blackwater

Type of Gauge M.O. + A

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

File No. 344098/34

Diameter			233	276			8"	1		
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
August	...								2.99	1.37
September	...								1.36	1.42
October	...								1.76	4.77
November	...								2.02	2.43
December	...								1.78	1.24
TOTALS	...								18.72	20.21

1948 start 10' 6" high 33° S ventileter card 6' high 88° ESE  
 ventileter 6' " 28° 55'E. Recalcul. same 10' " 88° E.

RAIN RECORDER CHART  
MICROFILM STN

FROM 9/47	TO 6/67
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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	Parish Church.	Distance from gauge.	Direction
1948			Sandown	27 m	NW	Sandon	27 m	SSE

Station No. 1288/3

## RAINFALL at Chelmsford (Sandford Mill W.W.)

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County of Essex

Observer Essex Rivers Catch. Bd.

River Basin Blackwater - 4

Elevation 100 ft. (x 52)

Type of Gauge Met. Standard (+A) (N2)

(Ready Reckoner W.W. Staff)

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

21.83 - 9 1949-57

1916-52

File No. 34609834

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	
June	.69	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	.05	5.13	
October	.89	2.17	2.60	1.42	4.01	1.09	1.33	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 102' 33'S; Ventilator covers 6'; 28°55'E to 34°E; Recorder House 10°, 55'E;

Incepted 25.3.60 by 8000 feet. o/e NW → SW → SSE and SE.

RAIN RECORDER CHART  
MICROFILM STN

FROM 9/47 TO 9/67

Position of Station on Ordnance One-Inch map : No. of Map ..... National Grid Reference S2/718060

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Parish Church.	Distance from gauge.
1951			Chelmsford	2 1/2 mi. WNW	Sandon	5 1/2 mi. SSE

Summary of Earlier Records from 10-year Sheets :

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