

## RAINFALL at Colchester Waterworks

County of Essex.

Observer Waterworks Superintendent.

River Basin Colne &amp;c — 5

A. Hammond 1927

Rain Gauge, by

Diameter ...							5			
Height .....							2.2	1.0	1.5	
Altitude ...							37			
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	MEAN 1920
January ...			3.70	1.19	2.28	1.04	2.34	1.31	2.75	1.43
February ...			1.63	3.03	.58	1.96	2.07	2.93	.96	.36
March .....			1.29	1.33	.67	.88	.09	1.91	1.65	.01
April .....			2.57	1.03	2.37	1.69	4.34	1.88	.87	1.78
May .....			1.07	1.14	3.56	2.13	.98	.72	1.76	1.40
June .....			1.04	.87	1.65	.37	3.44	3.34	2.32	.78
July .....			2.42	1.52	3.17	1.86	2.13	3.63	1.64	1.91
August .....			1.07	1.59	1.95	2.13	1.16	2.66	2.08	1.15
September...			2.93	1.25	1.71	2.02	1.9	3.16	.78	.72
October.....			1.38	3.79	3.82	2.52	2.49	2.07	1.84	2.55
November...			.84	2.82	3.03	1.55	4.04	2.02	2.02	4.33
December...			1.68	2.92	2.46	1.82	.46	2.55	3.39	3.82
TOTALS...			21.42	21.76	27.25	19.97	25.49	28.26	33.06	20.29
										23.23

1926 Trees 20' ft high about 20 yds to W.

1927 Gauge reset with rain 1 ft above ground See File 693/65/26

Position of Station on reduced Ordnance Survey } No. of Map \_\_\_\_\_  
Map, 2 miles to 1 inch Series }

Reference No. \_\_\_\_\_

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge
1926			Colchester North	1/2 mile	N.	St Peters	1/2 mile	SE.

## RAINFALL at Colchester (Watervarks)

County of Essex

Observer A. Hammond, Esq.

River Basin Colne &amp;c - 5

H. Hollins, Esq, M.A.

Type of Gauge N.O. (+A)

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

21.2 in. computed by Mr. Cornish (1938) Ref. 561245/36

Ref.

693175/26

Diameter	5.											
Height	1.5.											
Altitude	37.											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	
January	1.57	.64	1.30	1.20	2.62	3.82	3.35	2.71				
February	2.19	.33	1.01	.20	3.53	1.96	3.13	.42				
March	.20	1.06	1.58	1.82	.55	.58	2.62	.41				
April	2.85	2.18	.62	2.31	2.56	1.09	2.68	.36				
May	2.04	3.18	1.18	1.83	1.28	.76	2.04	1.42				
June	1.01	.52	2.20	.89	3.13	3.08	1.99	.53				
July	3.44	2.75	.87	1.89	.23	2.62	1.21	1.11				
August	2.92	1.02	.55	1.61	1.29	.57	.84	1.23				
September	1.59	1.53	1.87	1.26	3.11	1.74	2.28	1.55				
October	.60	4.82	1.70	1.89	2.30	1.34	1.42	2.60				
November	1.73	1.16	1.32	1.39	3.53	3.02	1.52	2.28				
December	.52	.27	.43	4.33	2.46	1.55	3.62	3.09				
TOTALS	20.66	19.46	14.63	19.22	25.59	22.13	26.76	17.71				
	D	D	D	D	D	D	D	D				

1933. Chimney Stack: 90 ft. high 98° E.

Building 30 - 118 - E.

apple Tree 20 - 45 - S.

Trees 20 - 56 - N.N.W.

1934 Gauge moved 60' W on Oct. 11<sup>th</sup>

Tree 17' 6" high 23° N.N.E.

" 25' " 80° S.S.W.

Chimney 4ft 9" " 158° E.

Automatic 1' 6" " 6° E.

Gauge " 6' E.

1939 Hand terminated. A new 8 inch gauge set up 3' to the east (5/11/39/1)

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	Parish Church.	Distance from gauge	Direction
1931			Colchester LNER	1/2 mile	N.	St. Peter's	1/4 mile	S.E.

RAINFALL at Colchester (Waterworks) (new g.) + A (1939)

County of Essex

Observer H. Collins Esq.

River Basin Colne &amp; - S.

Type of Gauge M. C.

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

Ref.

f. 693165/26

Diameter	8"										
Height	1' 4"										1' 0"
Altitude	38										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January								3.56	2.83	5.65	1.42
February								3.30	4.2	6.5	1.71
March								imp.	2.76	4.4	1.63
April								1.14	2.82	3.36	2.53
May								78	2.16	1.48	1.39
June								3.24	2.11	5.55	1.55
July								2.79	1.30	1.15	1.73
August								1.61	1.93	1.23	3.43
September								1.84	2.38	1.69	1.19
October								1.43	1.48	2.67	7.21
November								3.18	1.60	2.31	4.03
December								1.65	3.78	3.82	1.16
TOTALS								imp.	28.18	18.95	31.44
								D	D	D	D
1936.	Tree 18' high 26° N.	c. imp. 1936.									
	Chimney 90°	" 158° E.									

1936. Tree 18' high 26° N. c. imp. 1936.

Chimney 90° " 158° E.

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	Parish Church.	Distance from gauge
1936			Colchester N.	1033 yds	N	St. Peter's	367 yds SE.

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

Station No. 1319/1

RAINFALL at Colchester (Waterworks) (new) ~~1/1~~

41

County of Essex

Observer H. Colfins, F.R. C.G.

River Basin Colne &lt; - 5.

J.S. ORCHARD Esq. A.M. Inst. C.E. (1948)

Type of Gauge M.O. (+A)

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

Ref.

File No. 623165/26

Diameter	8"			229	112						
Height	10"										
Altitude	38'										
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	2.07	2.46	4.32	1.63	1.51	1.26	2.31	3.25	1.20	1.25	
February	1.97	.90	.67	1.08	1.70	1.86	1.60	1.21	1.18	2.68	
March	2.63	2.31	.38	.45	1.08	1.19	4.22	.89	.75	.61	
April	1.21	.66	.89	1.38	.80	1.25	1.33	1.86	.86	1.38	
May	1.55	2.12	1.31	.40	2.09	1.47	.56	1.44	2.19	1.43	
June	.77	.52	1.80	1.79	1.88	2.64	3.21	1.42	.57	1.26	
July	2.42	1.87	1.50	1.81	1.14	2.78	1.26	1.52	1.42	3.08	
August	3.86	1.58	1.20	2.20	1.94	4.02	.13	3.32	.90	1.46	
September	.58	1.64	2.31	2.64	1.68	1.74	1.41	1.29	.87	2.81	
October	1.41	3.48	1.47	4.61	1.70	1.05	.16	1.67	4.86	.33	
November	2.38	2.29	1.62	3.83	.64	3.11	.90	1.72	2.44	3.61	
December	1.29	2.43	1.45	1.37	2.69	2.70	2.80	1.39	1.33	1.63	
TOTALS	22.14	22.29	18.92	23.19	18.85	25.07	19.89	21.08	18.56	21.53	
	D	D	D	D	D	D	D	D	D	D	

1941. Trees. 18' high 26° N. Chimney 30' high 158° E. Apex of Shed. 7' above gauge 34° E.  
 1950 Trees 18' high 26° N. chimney removed 21.4.50.

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	Parish Church.	Distance from gauge
1941.			Colchester N.	1035 yds	N	St. Peters	367 yds S.E.

Station No. 1319/1

51

## RAINFALL at Colchester (Waterworks)

County of Essex

Observer (J. S. Orchard Esq. M.A.R.C.)

River Basin Colne &amp; G. S.

Borough and Water Engineer

Type of Gauge M. C.

( + A )  
( + AOS )

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

" 22.83 " 20 " within 1937-57 "

1916-55

Ref.

File No. 693165/26

Diameter	8"			229 112						8"	
Height	1' 0"									1' 1"	
Altitude	38'									38'	
Year	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January	1.68	2.13	1.79	1.50	2.37	3.38	-91	2.47	1.84	1.89	
February	4.24	7.7	1.08	2.15	1.69	4.43	2.40	2.44	.08	1.58	
March	2.64	2.97	1.41	2.06	1.28	2.86	1.15	1.73	1.36	1.85	
April	2.72	1.07	1.82	1.36	1.13	1.81	1.09	1.00	1.92	.36	
May	2.24	1.00	1.38	1.62	2.96	1.62	1.88	2.23	1.35	.82	
June	1.94	1.79	3.41	2.26	2.39	1.86	1.42	4.51	1.73	.19	
July	1.85	1.56	3.21	2.72	1.11	3.24	3.82	3.09	1.09	2.74	
August	3.07	2.34	2.59	2.68	1.88	3.61	2.56	4.82	.66	3.45	
September	2.29	2.97	1.39	1.60	1.71	1.22	2.63	3.20	.01	3.15	
October	1.69	2.23	2.08	1.59	3.84	1.10	1.46	2.50	1.63	5.68	
November	3.57	4.34	1.22	3.28	1.62	1.55	2.38	1.00	2.50	(3.50) 174 8200 inc	
December	1.67	2.43	1.76	1.54	1.46	1.93	2.08	3.68	3.50	2.51	
TOTALS	27.54	24.60	20.14	23.36	20.44	19.67	21.78	31.67	15.67	2772 inc	

1951 Trees 18° 26' N;

2772

Interpolated 21.3-60 by 3/8th Interpolator. Trees 15°-30' N. Gauges on wide terrace 4/8 5-9 N. 6th reasonable.

1960 up late and unreliable

52/991254

Position of Station on Ordnance One-Inch map :

No. of Map

National Grid Reference 62/991254

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge
1951			Colchester Station	1035yd	N	St. Peters	367yd SE

Summary of Earlier Records from 10-year Sheets :

Record D. or d	1910-19	1920-30	1931-40	1941-50	1951-60
			✓ 1936 ✓	✓	✓