

RAINFALL at Colchester, Hythe Gas Works

County of Essex

Observer H. W. Townsend Esq. (General Manager)

River Basin Colne & C 5

W. English (Secy.)
Colchester Gas Co.

Glaisher Rain Gauge, by

Diameter ...							8				
Height							9				
Altitude ...							12				
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEAN 1930
January ...							2.78	1.43	3.18	1.59	1.66
February ...							2.89	3.15	1.20	1.35	.61
March08	1.75	1.83	.07	1.30
April							4.36	2.00	1.50	1.80	1.91
May							1.03	.78	2.02	1.60	1.79
June							3.22	4.07	2.67	.80	.58
July							2.37	3.87	1.63	2.43	3.20
August							1.24	3.29	2.19	1.21	1.96
September...							1.41	3.07	1.11	.61	3.70
October							2.66	1.99	1.88	2.56	.92
November...							4.45	2.26	2.14	4.34	3.11
December...							.49	2.38	3.76	4.08	2.02
TOTALS...							26.98	30.04	25.11	21.44	22.76

1926. Gasholder 70 ft. high 30 yds. E. Boundary Wall 7 ft. high 12 yds N.W.

1930. Gauge moved Jan. 15th 100 yds E.

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
1926	52°	1° E	Hythe L.N.E.R.	500 yds	N.E.	St. Lenarda	280 yds.	N.N.W.

RAINFALL at Colchester (Hythe Gas Works)County of EssexObserver Colchester Gas Co.River Basin Colne &c - 5Type of Gauge GlaisherAnnual Average in. based on years obs. un-weighted. Period of average Ref." 22.0 in. computed by Mr. Cornish 1938 RJ. 561245/36 693164/26

Diameter	8.											
Height	0.10.											
Altitude	12.											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	
January	1.53	.74	1.23	1.20	2.86	4.00	3.40	2.71	5.09	1.29	24.08	
February	2.32	.37	.96	.18	2.85	1.92	2.12	.45	.53	1.76	14.46	
March	.35	1.03	1.43	1.77	.61	.87	2.58	.40	1.60	2.39	12.73	
April	2.60	2.14	.75	2.22	2.68	1.20	2.72	.24	2.20	1.49	18.24	
May	2.03	3.21	1.22	1.08	1.44	.87	2.08	1.50	1.49	.65	15.52	
June	1.32	.50	2.19	.79	2.82	2.87	1.81	.49	1.52	.16	14.47	
July	3.24	2.19	.91	.93	.25	2.68	2.17	1.24	2.36	2.59	18.56	
August	3.55	1.04	.68	1.85	1.41	.61	.79	.97	2.67	.02	13.29	
September	2.23	1.39	1.77	1.43	3.43	2.07	2.18	1.87	.20	1.17	17.74	
October	.54	4.79	1.41	1.86	2.21	1.27	1.56	2.59	6.55	1.96	24.83	
November	1.77	1.19	1.39	1.49	3.51	3.03	1.51	2.26	3.44	5.39	24.98	
December	.62	.36	.45	4.36	3.23	1.58	3.42	2.92	1.12	1.62	19.67	
TOTALS	22.10	18.95	14.39	18.83	27.40	22.67	27.34	17.64	28.77	20.48	218.57	

KM

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
1931			Hythe (Colchester)			St. Leonards		

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

RAINFALL at Gilchester (Hythe Gas Works) Station No. 1317

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County of EssexObserver Gilchester Gas Co.River Basin Colne &c. - 5

Eastern Gas Board (1949 -

Type of Gauge Clair'sAnnual Average 22.0 in. based on 22.0 years obs. un-weighted. Period of average Ref 561245/36computed by Mz Cornish (1938) File No. 623164/26

Diameter	8"	229	161									
Height	0'10"			1'1"								
Altitude	12'			nil						6'		
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	
January	2.02	2.26	4.04	1.43	1.45	1.41	1.60	3.11	1.21	1.21		
February	1.83	.61	.55	1.21	1.70	2.05	1.51	1.24	1.10	1.83		
March	2.40	2.18	.32	.39	1.13	1.52	4.39	.57	.69	.45		
April	1.03	.61	.77	.91	.74	1.21	1.39	1.41	.76	1.32		
May	1.32	1.78	1.30	.33	2.17	1.45	.56	.85	2.30	1.48		
June	.67	.92	1.47	1.52	1.94	2.50	2.61	1.90	.63	1.07		
July	2.63	1.76	1.29	2.04	1.10	3.02	.91	1.60	2.04	2.84		
August	3.86	1.00	1.02	2.50	2.18	3.79	.09	3.44	.91	1.68		
September	.34	1.42	2.36	2.46	1.32	1.54	1.41	1.20	.86	2.95		
October	1.52	3.07	1.32	4.31	1.54	1.13	.15	1.90	4.78	.21		
November	2.28	2.25	1.38	3.71	.80	2.91	.84	1.94	2.20	3.39		
December	1.19	2.35	1.37	1.24	2.73	2.76	2.98	1.44	1.17	2.11		
TOTALS	21.09	20.21	17.19	22.05	18.80	25.29	18.44	20.60	18.65	20.54		
	D	D	D	D	D	D	D	D	D	D		

1941. Brick wall 12' high 9 1/2' N.

Wall 8' high 85'S

Building 20' .. 62'E

" 5' .. 56'W

1947: 15 July 1949 gauge moved 120 yds S. Building 2'-20' high, 10' N. Wall 2' high 30 W. Building 15' high 70'S.

1947 1948 1949
 % = 80% 90% 81%
 90+ 100 80+ 7

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.
1941			Hythe	380 yds	N.N.E	St. Leonards Hythe	300 yds.	N.W.

BRITISH RAINFALL ORGANIZATION

Station No. 1317**RAINFALL at Colchester (Hythe Gasworks)**

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County of EssexObserver Colchester Gas Co.River Basin Colne & C. S.Eastern Area Board.Type of Gauge GlaisherAnnual Average 22.23 in. based on 8 years obs. un-weighted. Period of average 1916-55 Ref." " 22.0 computed by H. Bornhak (1938) of 561245/36 File No. 693164/25

Diameter ...	8"			22.9	161					8"	
Height ...	1' 0"							184		1'3"	
Altitude ...	6'					10'				15'	
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	1.46	1.81	.65	1.22	2.26	3.48	1.00	2.50	1.98	1.92	
February ...	3.86	.61	.87	2.03	1.40	.30	2.41	2.06	.14	2.33	
March ...	2.46	2.98	.32	1.89	1.11	.92	1.15	.84	1.33	1.35	
April ...	2.58	.87	1.63	.26	.14	.85	.10	1.06	1.75	.43	
May ...	2.22	1.19	1.11	1.54	2.93	.62	.98	1.67	.27	.84	
June98	1.65	3.93	2.34	2.00	1.92	1.28	4.81	.60	1.03	
July ...	2.25	.58	3.56	2.56	.14	2.89	3.90	2.47	1.38	2.76	
August ...	2.65	1.85	2.28	2.74	2.24	3.70	2.22	4.59	.71	3.34	
September ...	2.14	3.42	1.29	1.31	1.66	1.32	2.76	3.56	.02		
October70	2.03	1.99	1.45	3.31	1.11	1.46	2.27	1.80		
November ...	3.19	4.21	.90	3.12	.71	.63	2.63	1.23	2.28		
December ...	1.55	2.21	.60	1.48	1.43	1.91	2.34	4.04	3.59		
TOTALS ...	26.04	23.46	19.13	21.94	19.33	19.55	22.23	31.10	15.85		
	D	D	D	D	D	D	D	D	D	D	ap.

1951 Gasholder max. 20' 10" N; 1952 2' 30" W; Building 15' 70" S;

1957. Gauge moved 1. 1. 57, 52.5 yds. 208°

Inspected 21.3.60 by H.H. Butler. Wall (E-W) nearest 6'-6" S Gasworks 120° 100' NE Overhead pipe (N-S) 30' high 10' W 1960 n.p. 116.

Position of Station on Ordnance One-Inch map: No. of Map..... National Grid Reference TM(62) 0142443

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge.
1951			Hythe	400 yd	NNE	St. Leonards	320 yd NW.
1957			Hythe	600 yd	18°	St. Leonards	450 yd 34.5°

Summary of Earlier Records from 10-year Sheets:

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
		CS6 ✓	✓	✓	
		✓ lat 2' 29' 30"	✓	✓	✓ lat 2' 42' 40"