

RAINFALL at Newmarket, sewage outfall works.

County of Suffolk

Observer W.H. Gray Esq. C.E.
Ely

River Basin River - 5.

Rain Gauge, by _____

Diameter ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
Height											
Altitude.....											
Year	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	TOTALS.
January.....	2.73	2.81	1.77	3.17	1.30	1.72	3.90	3.03			9.95 16.19
February96	.73	1.42	2.09	4.77	.95	1.08	2.72			9.52
March	2.51	1.60	3.39	1.61	3.59	1.83	.68	1.99			8.09
April81	1.11	.92	.77	1.29	1.77	3.08	3.29			9.43
May	1.13	1.91	1.00	1.83	1.84	1.06	1.80	.50			5.20
June	3.25	1.26	1.65	2.75	1.70	2.56	.48	1.38			6.12
July	2.89	.94	1.40	3.55	.69	3.25	3.52	3.41			10.87
August	7.47	1.46	.96	2.82	3.26	4.21	1.10	2.32			10.89
September...	1.69	1.12	.71	.89	1.68	1.21	6.02	1.21			10.12
October.....	2.03	3.00	2.12	.79	2.26	4.01	1.42	.47			8.16
November...	1.89	1.44	2.22	2.13	3.02	1.62	1.89	1.78			8.31
December ...	2.22	.48	5.55	3.40	2.67	1.45	2.41	4.18			10.71
TOTALS ...	29.08	17.86	23.11	25.60	28.07	25.64	27.38	26.28			107.37 168

1912-19 mean 5-1.22. End. XI.22

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.

RAINFALL at Newmarket Sewage Outfall Works

County of Suffolk

Observer W. H. Eley Esq. C.E.

River Basin Pulse 5

Engineer & Surveyor, Newmarket

(1925) Standard Rain Gauge, by

Diameter ...			5										
Height			1	0									
Altitude ...			81										
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930		
January ...	2.01	2.04	3.03	1.55	2.41	1.12	2.25	2.16	3.30	1.48	1.07		Totals.
February74	.32	1.62	2.85	.88	2.55	2.59	2.95	1.28	.47	.44		22.42
March	1.51	.89	1.55	1.53	.69	1.00	1.32	1.79	1.57	.00	1.23		16.67
April.....	3.51	1.19	2.92	1.06	3.07	2.25	2.84	1.98	1.56	1.17	2.63		12.03
May	1.54	1.22	1.42	1.43	3.66	2.09	1.75	1.46	1.69	1.11	2.68		23.98
June	1.41	.27	.83	.54	1.53	.95	2.58	2.66	2.71	.70	.63		19.07
July	3.26	.86	4.60	1.90	2.76	1.80	2.47	2.91	2.46	1.79	3.88		28.69
August	1.14	1.26	1.68	2.77	3.49	1.89	2.15	2.68	2.24	.75	1.97		22.02
September...	2.24	1.27	2.46	2.18	2.55	2.92	1.77	4.02	1.15	.46	4.35		25.37
October.....	.85	1.14	.37	4.44	3.62	3.04	2.93	1.75	2.73	2.83	.77		24.47
November...	.45	1.57	1.24	1.50	2.43	2.06	3.33	2.68	2.10	3.32	3.45		24.13
December...	2.03	1.04	1.80	2.51	2.04	1.54	.53	(2.40)	2.34	3.87	2.17		22.27
TOTALS...	20.49	13.07	23.52	24.28	29.13	23.21	25.51	28.44	25.13	17.95	25.27		256.00

1912-20 rev. 5-1-22 cut x 1.22

1922. Lined roadway 7 ft 6 in. sq ft. N. 223° E

Engine House 17 ft 1 in sq ft. N. 313° E

1927 Dec. cov for snow.

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

Date.	Lat. N.	Long. E	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge	Direction
1922	52° 15' 22" N	0° 3' 46" E	Newmarket	7,400 ft. N 157° E	S. Mary		47,156 ft. N 157° E	

RAINFALL at Newmarket (Sewage Outfall)

County of Suffolk

F. B. Waterfall (1940)
Observer W. H. Hey, Esq., C.E.

River Basin Duse - 5

Type of Gauge Snowdon

Annual Average 23.2 in. based on years obs. un-weighted. Period of average

Ref.

855934/28

Diameter	5.											Totals.
Height	1.0.											Means
Altitude	81.											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940		
January	1.59	.66	1.38	.96	2.34	2.97	3.45	2.96	4.27	1.29	21.87	
February	2.49	.36	1.66	.23	1.88	2.48	2.84	.63	0.74	1.66	14.97	
March	.13	1.11	1.84	1.61	.43	.43	3.85	.52	1.56	2.93	11.91	
April	3.06	2.25	1.30	2.38	2.35	1.45	2.87	.28	2.63	1.56	20.12	
May	2.88	4.31	1.54	.55	.94	.93	2.24	2.01	0.78	2.07	18.25	
June	1.78	.24	2.90	1.68	2.15	3.08	2.85	.45	1.24	.22	16.29	
July	4.27	2.36	2.96	1.66	.55	6.83	2.11	1.42	1.82	3.58	27.66	
August	2.97	3.22	1.05	1.98	1.26	.91	1.56	1.14	3.70	.29	18.08	
September	2.62	1.78	2.24	1.65	4.68	2.68	2.56	2.64	2.91	.64	24.40	
October	.73	3.87	2.37	1.23	2.27	1.77	1.85	2.31	3.67	1.53	21.60	
November	2.00	1.75	1.34	1.08	3.44	2.42	1.54	2.10	2.92	6.26	24.85	
December	1.24	.45	.46	3.67	1.72	1.60	2.82	2.40	1.12	1.77	17.25	
TOTALS	25.76	22.36	21.04	18.88	24.01	27.55	20.74	19.86	27.35	23.80	239.15	
	d	d	d	d	d	d	d	d	d	d		

1931. Inclined roadway 7' high 35° N 223° E
Engine house 17" " 118° N 313° E

* Used in General Tables. Origin unknown.

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
1931			LNER Newmarket	7400 ft	N 159° E	St Marys Newmarket	4715 ft N 157° E

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

Station No. 1387

RAINFALL at Newmarket (Average Annual)

41

County of Suff. Lk. Observer F. B. Waterfall Esq.

River Basin.....Q_{use}-5.....

River Basin..... West - 3
S | ~~BA~~ - 9

Type of Gauge..... Snowdon Jan 1950

Annual Average 23.2 in. based on years obs. un-weighted. *Period of average*..... *Ref.*

Ref.

File No. 855934/28

Diameter	5"			185	060						
Height	1' 0"										
Altitude	81'										
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	1.71	2.94	4.00	1.29	1.68	1.24	1.44	3.32	1.05	1.00	
February	1.99	.99 ⁹	.59	.89	1.39	1.45	1.01	.68	.77	3.35	
March	3.06	1.64	.75	.34	1.19	1.15	3.53	.58	.74	1.41	
April	.98	.69	.87	1.68	.83	.80	1.65	1.27	1.60	1.81	
May	1.90	2.33	1.32	1.98	1.65	2.04	.88	3.08	2.51	2.26	
June	.84	.35	2.44	1.54	1.88	2.68	2.32	2.41	.98	1.89	
July	2.53	3.09	.89	2.44	.98	3.75	2.61	1.33	2.04	4.61	
August	4.35	1.47	1.69	2.16	2.55	5.06	.44	5.01	1.06	2.87	
September	.58	1.55	1.29	2.90	2.23	2.21	1.05	1.61	.75	3.11	
October	2.19	3.71	1.82	2.77	2.27	1.27	.19	1.87	3.89	1.38	
November	2.23	2.63	1.32	3.16	.58	3.55	1.28	1.20	1.80	4.31	
December	1.25	1.79	1.27	1.83	2.51	2.09	2.78	1.75	1.24	1.43	
TOTALS	23.71	22.18	19.75	20.98	19.71	25.01	1.17	1.61	19.43	27.13	

1941 Inclined roadway 7' high 35° N 223° E. Engine House 17' high 118° N 343° E
1944 " " " N 313° E

* Used in General Tables. Origin unknown

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.
1941			Newmarket LNER	7400'	N 155° E	St. Mary's 1967	4751' 4715'	N 157°

Station No. 1387

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RAINFALL at Newmarket (Sewage Outfall)

County of Suffolk

Observer F. B. Waterfall, Esq.

River Basin. Ouse - 5

Type of Gauge. Standard

Omitted 1955

Annual Average 23.5 in. based on ... years obs. un-weighted. Period of average 1916-1950 Ref.

Origin unknown

23.53 based on 35 " - 1916-1950

1916-1950

File No. 855934/28 P

Diameter	5"			185	060								Means Total
Year	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960			
January	2.33	1.72	.97	0.91	1.50	2.78	1.56	1.60	2.45	1.93	17.95		
February	2.85	.79	1.24	1.87	1.72	.71	2.17	2.74	.13	1.45	15.67		
March	3.70	2.44	.41	2.25	1.31	.99	1.57	.76	1.75	1.56	16.14		
April	3.29	1.15	2.22	0.39	.50	.81	.11	1.25	2.07	.43	12.22		
May	2.64	1.29	1.65	2.73	1.77	.79	.71	2.57	2.41	.63	17.19		
June	2.66	1.16	2.33	1.76	1.76	2.12	2.23	4.44	1.72	2.58	22.78		
July	1.09	.60	3.48	3.09	.33	2.39	2.04	3.87	3.32	2.51	22.72		
August	3.00	3.51	2.81	4.53	.74	4.76	2.15	2.05	.90	3.49	27.94		
September	2.82	2.40	1.12	1.81	1.63	1.26	3.82	3.00	.04	3.47	21.37		
October	.93	2.53	2.32	2.30	2.93	1.06	1.56	2.19	1.59	4.29	21.70		
November	3.23	3.04	1.40	3.42	1.28	1.05	1.58	1.37	1.41	3.45	21.23		
December	1.58	1.87	.70	2.22	1.62	2.12	1.89	2.56	3.41	3.08	21.05		
TOTALS	30.12	22.50	20.65	27.28	17.09	20.24	21.39	28.62	21.20	28.87	237.96		
	D	D	D	D	D	D	D	D	D	D	D		

1951 Inclined 8' roadway 7' high at 35° N 223° E. Eugenie House 17' high at 118° N 31° E
1956 as in 1951 excepting for N 233° E

Used in General Traffic Survey in conjunction

TL/52/6350/48

Position of Station on Ordnance One-Inch map : No. of Map National Grid Reference S. 622000/1000

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Parish Church.	Distance from gauge.
1951			Newmarket	7400' N 159° E	Newmarket (at Mary)	4,715' N 157° E

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 1912	✓ last d 24-26.28-30 — 20-21	✓ last d 31, 33-37	✓	✓