

RAINFALL at newmarket, Sewage outfall works.County of SuffolkObserver W. H. Gray Esq. CERiver Basin base - 5.

Rain Gauge, by \_\_\_\_\_

Diameter ...												
Height .....												
Altitude.....												
Year .....	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	Totals. 16-19
January.....			2.73	2.81	1.77	3.17	1.30	1.72	3.90	3.03		9.95
February ...			.96	.73	1.42	2.09	4.77	.95	1.08	2.72		9.52
March .....			2.51	1.60	3.39	1.41	3.59	1.83	.68	1.99		8.09
April .....			.81	1.11	.92	.77	1.29	1.77	3.08	3.29		7.43
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

1912-19 med. 5.1.22. Total. 81.22

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

RAINFALL at Newmarket Sewage Outfall WorksCounty of SuffolkObserver W. H. Eley Esq. B.E.River Basin Guse 5Engineer & Surveyor, Newmarket(1922) Standard Rain Gauge, by

Diameter ...			5										
Height .....			1	0									
Altitude ...			81										
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	<del>1930</del>		
January ...	2.01	2.04	3.03	1.55	2.41	1.12	2.25	2.16	3.30	1.48	1.07	Totals.	22.42
February ...	.74	.32	1.62	2.85	.88	2.55	2.59	2.95	1.28	.47	.44		16.69
March .....	1.51	.89	1.55	1.53	.69	1.00	.32	1.79	1.57	.00	1.23		12.08
April .....	3.31	1.19	2.92	1.06	3.07	2.25	2.84	1.98	1.56	1.17	2.63		23.98
May .....	1.54	1.22	1.42	1.45	3.66	2.09	1.75	.46	1.69	1.11	2.63		19.07
June .....	1.41	.27	.83	.54	1.53	.95	2.58	2.66	2.71	.70	.63		14.81
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 red. 5.1.22 red. 11.221922. Lichfield road 7 ft. 5 ft. 33 ft. N. 22° EEngle House 17 ft. 11 ft. N. 31° 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 from gauge	Parish Church.	Distance from gauge	Direction from gauge
1922	52° 15' 22"	0° 3' 46"	Newmarket	7,400 ft.	N. 159° E	St. Mary	4,715 ft.	N. 157° E

RAINFALL at Newmarket (Sewage Outfall)County of SuffolkObserver F. B. Waterfall (1940)  
W. H. Frey, Esq., C.E.River Basin Ouse - SType of Gauge SnowdonAnnual Average 23.2 in. based on 23 years obs. un-weighted. Period of average Ref

855934/28

Diameter	5.											
Height	1.0.											
Altitude	81.											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Totals	Means
January	1.59	.66	1.33	.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	3.35	.52	1.56	2.93	11.91	
April	3.06	2.25	1.30	2.38	2.35	1.45	2.87	.28	2.62	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	2.55	.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	27.56	
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	18.68	24.01	27.55	29.74	18.86	27.35	23.80	239.15	

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



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County of Suffolk Observer F. B. Waterfall Co.

River Basin Quase - 5

Type of Gauge.....Snowdon 13" 1950

Annual Average 23.2 in. based on ..... years obs. un-weighted. Period of average ..... 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		Totals 19.67
February	1.99	.99 <sup>9</sup>	.59	.89	1.39	1.45	1.01	.68	.77	3.35		13.11
March	3.06	1.64	.75	.34	1.19	1.15	3.53	.53	.74	.41		13.34
April	.98	.69	.87	1.68	.83	.80	1.65	1.27	1.60	1.81		12.18
May	1.90	2.33	1.32	.98	1.65	2.04	.38	3.08	2.51	2.26		18.43
June	.94	.35	2.44	1.54	1.88	2.68	2.32	2.41	.98	1.89		17.43
July	2.53	3.09	.89	2.44	.98	3.75	2.61	1.33	2.04	4.61		24.27
August	4.35	1.47	1.69	2.16	2.55	5.06	.44	5.01	1.06	2.57		26.35
September	.58	1.55	1.29	2.90	2.23	2.21	1.05	1.61	.75	3.11		17.28
October	2.19	3.71	1.82	2.77	2.27	1.27	.19	1.57	3.89	.38		20.06
November	2.23	2.63	1.32	3.16	.58	3.55	1.28	1.20	1.80	4.31		22.06
December	1.25	1.79	1.27	.83	2.51	2.09	2.78	1.75	1.24	1.43		16.94
TOTALS	23.71 <sub>D</sub>	23.18 <sub>D</sub>	18.25 <sub>D</sub>	20.98 <sub>D</sub>	19.74 <sub>D</sub>	27.29 <sub>D</sub>	18.68 <sub>D</sub>	23.76 <sub>D</sub>	18.43 <sub>D</sub>	27.13 <sub>D</sub>		221.15 <sub>D</sub>

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

or used in General Tables. Origin unknown

Position of Station on reduced Ordnance Survey Map, 1 mile to 1 inch Series	No. of Map.....	Reference No.....
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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 150° E	St. Marys 1947	4751' 47° 15'	N 15° E "

BRITISH RAINFALL ORGANIZATION

Station No. 1387

## RAINFALL at Newmarket (Sewage Outfall)

51

County of Suffolk

Observer F. B. Waterfall, Esq.

River Basin Ouse - 5

Type of Gauge Snowdon

Annual Average 23.2 in. based on years obs. un-weighted. Period of average 1916-1950 Ref.

Omitted 1955

Origin unknown

File No. 855934/28 P

23.53 - based on 35 - 1916-1950

Diameter ...	5"			185	060						
Height ...	1' 0"										
Altitude ...	81'										
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means Totals
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	.39	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	4.46	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	

1951 Incline of Roadway 7' high at 35' N 22.30° E. Engine House 17' high at 118' N 31.3° E  
 1956 as in 1951, excepting for N 213° E

\* Used in Badminton Table Tennis competition

TL(52)635648

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference SF635648

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge.	Direction from gauge.
1951			Newmarket	7400'	N. 159° E	Newmarket (St Mary)	4,715'	N. 137° 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					
—		✓ Net d 24-26 20-21	✓ Build 31, 33-37	✓	✓