

Hornchurch Markets,

1248

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RAINFALL at ~~Pedisham~~ Riverside Sewage Works

County of Essex

Observer: W. J. Grant Esq.

River Basin Thames, Roding & C. 2.

Surveyor: H. L. Lightfoot (C.E.)
Engineer: Dagenham UDC (6)
Over: A. Scott - Works Manager

(1928) M.O. Rain Gauge, by

Diameter ...							8				
Height							1.3				
Altitude ...							5-				
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930
January ...						1.22	1.54	1.11	2.29	.74	1.59
February ...						2.41	2.55	2.92	.95	.33	1.05
March68	.08	1.72	1.57	.02	1.28
April.....						1.10	4.09	1.58	1.12	1.09	1.23
May						1.53	.91	.81	2.23	1.00	2.58
June12	2.58	2.09	2.13	.44	.58
July						3.06	2.13	2.65	1.64	1.74	1.67
August						1.97	1.62	2.95	3.15	1.69	3.00
September...						1.97	.56	3.44	.60	.12	1.73
October.....						2.41	2.15	1.24	3.09	2.10	.65
November...						1.00	3.32	1.66	1.44	4.17	3.51
December...						2.78	.59	2.37	2.49	3.41	1.39
TOTALS...								25.00			
						20.25	22.12	24.88	22.47	16.85	20.26
	d	d	d	d	d	d	d	d	d	d	d

1927 Record data sent to Meteor. at Air 77595/2

1930. Offices 20' high 20 yds N.
Cottages 10' .. 10 yds SE.

Annual Average (London Survey) - 1928

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

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge	Direction
1925	51° 31' 0" N	0° 11' 0" E	Rainham L.M.S. Ry 500yds	14	E	Rainham	500yds	E

Hornchurch Marshes,

RAINFALL at Rainham (Riverside Sew. Works)

County of Essex Observer Dagenham O.D.C.

River Basin Thames - Roding etc. 2.

Type of Gauge 0.47 Hydrograph (London 1927)

Annual Average 19.3 in. based on 8 years obs. un-weighted. Period of average 1851-1915 Ref. S.

771575/27

Diameter	8.										
Height	1.0.	1.4.			1.6.						
Altitude	5.		0								
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	1.07	1.07	1.00	1.06	.99	2.26	2.02	2.06	3.84	1.85	1922
February	1.38	1.2	1.26	.05	1.71	1.17	3.52	.41	.82	1.04	1148
March	.19	1.46	1.58	1.91	.36	.87	2.69	.34	1.19	2.82	1341
April	3.51	1.42	.57	1.39	2.42	1.17	2.24	.22	1.93	1.63	1650
May	2.37	3.02	2.10	.39	1.13	2.64	2.42	1.53	1.89	1.49	1918
June	1.10	.73	1.37	1.20	2.34	2.76	1.87	.41	1.13	.37	1328
July	2.20	1.95	1.47	1.11	.75	3.05	1.41	1.10	1.90	3.69	1963
August	3.51	1.61	.41	1.63	1.67	.22	1.17	1.00	3.42	.05	1469
September	1.14	1.87	1.88	.98	2.24	2.83	.84	1.99	1.02	1.35	1564
October	.54	4.47	.94	1.37	2.02	1.23	1.69	2.04	8.74	2.32	2236
November	2.12	.71	.74	1.53	3.21	2.92	1.43	2.84	3.16	5.51	2367
December	.52	1.46	.32	3.77	1.87	1.69	3.50	2.08	.98	1.02	1621
TOTALS	19.65	18.9	13.64	16.39	20.71	23.31	26.30	15.52	27.72	23.14	20527 KM

1932 No objects near gauge.

1933 House 25 ft. high 100 ft. E.

Office 16 " 50 " W.

Sewage tank 12 " 35 " E.

Various small clippings bushes more than 15 ft. of gauge.

1935 N/F.

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
1932			Rainham	2 m.	E	Rainham	2 m. E.

Hornchurch

Station No. 1248

RAINFALL at Rainham (Riverside Sew. Works)

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County of Essex

Observer Dagenham H.D.C.

River Basin Thames-Roding &c-2

Snowdon.

Type of Gauge N.T.Z. Hydograph

Annual Average 19.3 in. based on 8 years obs. unweighted. Period of average 1881-1915 Ref. S

File No. 711595/21

Diameter	5"	8"	10"	12"	13"	14"	15"	16"	17"	18"	19"	20"
Height	1' 6"											
Altitude	105'									5'		
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	
January	2.01	1.63	1.40	1.01	1.31	1.24	1.34	2.65	.93	1.42		17.64
February	1.15	.69	1.28	.76	.94	1.91	.64	1.10	.72	2.66		11.85
March	2.29	2.09	.38	.06	1.15	.88	4.12	.64	.81	.67		13.09
April	1.77	.63	1.26	1.14	.90	1.29	1.15	1.07	1.41	2.15		12.71
May	1.25	2.51	1.49	3.02	2.08	3.12	.72	1.61	1.42	1.28		15.78
June	.87	.39	1.57	1.79	1.47	1.81	1.87	2.25	.61	1.12		13.75
July	2.49	1.36	1.27	1.34	3.62	.95	2.85	.75	1.40	2.49		18.52
August	3.62	2.04	.95	2.53	1.53	3.35	.10	3.61	1.53	1.19		20.45
September	.49	1.77	1.45	3.01	.87	2.33	1.20	1.02	1.22	2.21		15.59
October	.84	3.12	1.90	2.89	1.44	.99	.14	1.64	4.84	.36		18.16
November	2.35	1.37	1.10	3.03	.12	2.19	.80	1.63	2.05	4.52		19.16
December	1.51	1.90	1.50	1.05	2.26	1.74	2.07	1.79	1.25	1.41		16.48
TOTALS	20.64	19.50	18.25	18.91	17.69	21.80	14.00	19.36	18.19	21.48		193.22

22. Sewage tanks 12' 35" S. Office 16' 50" W. House 25' 60" E.

P 1949 [Note on reverse] F.1950 states that the earlier statement gauge diam 5' should have been 8' ground altitude 0' " " " 5'

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
1942			Rainham	700 yds	NE	Rainham	800 yds	NE

BRITISH RAINFALL ORGANIZATION

Hornchurch Marshes

Station No. 1248

RAINFALL at Rainham (Riverside Sew. Works)

County of Essex

Observer Dagenham U.D.C.

River Basin Thames - Roding & E. 2

The Mangle's House
Riverside Sewage Works

Type of Gauge Standard

Annual Average 19.3 in. based on 8 years obs. un-weighted. Period of average 1881-1915 Ref. 1916-50
 " 21.83 " 9 " 1949-57 File No. 771595/27 S

Diameter ...	8'			237	867						
Height ...	1' 6"										
Altitude ...	5'										
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	2.02	1.43	.90	1.08	1.87	3.07	.94	1.25	1.70	1.41	15.67
February ...	5.53	.80	1.49	2.06	1.42	.23	2.51	1.86	.06	1.26	11.22
March ...	2.33	2.30	.40	1.59	.95	.99	.88	.90	1.40	.74	12.48
April ...	2.91	.84	2.34	.28	.31	1.05	.22	1.67	1.54	.30	11.44
May ...	2.00	1.33	1.18	1.93	4.04	.45	.97	2.07	1.01	1.80	16.72
June62	1.49	1.77	2.86	1.91	1.55	.94	5.06	.34	1.98	18.52
July ...	1.70	.66	3.33	2.68	.07	3.21	3.60	1.66	.93	2.13	19.97
August ...	2.42	2.27	1.62	2.77	1.44	4.08	1.35	3.64	1.15	4.44	25.18
September ...	2.74	2.73	2.01	1.88	2.68	2.04	1.89	5.34	.08	3.91	25.30
October76	2.22	3.38	1.42	3.67	1.17	1.51	2.12	1.95	4.94	23.20
November ...	3.71	3.69	.68	3.15	.50	.77	2.36	1.71	2.71	2.99	22.27
December ...	1.73	1.75	.79	1.30	1.58	2.65	1.26	2.54	3.04	2.13	18.17
TOTALS ...	28.47	21.51	19.89	23.00	20.44	21.26	18.49	29.82	15.91	28.03	226.82
	D	D	D	D	D	D	D	D	D	D	

1951. Sewage Tanks 12' 35" S; Office 15° 58' W; House 25° 60' E!

Position of Station on Ordnance One-Inch map :

No. of Map

National Grid Reference TQ(5) 516823

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge
1951			Rainham	700yd	NE	Rainham	800yd

Summary of Earlier Records from 10-year Sheets :

Record D. or d		1910-19	1920-20	1931-40	1941-50	1951-60
			C 25 ✓	✓	✓	✓
			✓ Int d 25-30	✓	✓	