

## RAINFALL at Horndon Eastern Sewage Works

County of Essex)

Observer W. J. Grant Esq.,

River Basin Thames- Roding &amp; C.2

Sewage or Rowford R.D.C.

M.O. Rain Gauge, by

Diameter ...						g				
Height .....						1.6				
Altitude ...						23				
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929
January ...						1.11	1.44	.96	2.38	.95
February ...						1.93	2.68	2.80	1.12	.34
March .....						.82	.09	1.68	1.73	.02
April.....						1.61	4.16	1.66	1.19	.96
May .....						1.66	.85	1.15	2.22	1.24
June .....						.23	3.21	2.51	2.45	1.02
July .....						3.68	2.20	2.41	1.74	2.12
August .....						2.15	1.23	3.16	2.84	1.77
September...						2.13	.65	3.91	.144	.09
October.....						2.50	2.25	1.08	2.73	2.23
November...						1.27	3.67	2.12	1.82	4.06
December...						2.23	.57	2.16	2.74	2.94
TOTALS...						21.37	23.00	25.60	23.40	17.64
						①	①	①	①	①
										20.64

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	Parish Church.	Distance from gauge
1925	51° 34' 0"	0° 20' 30"	East Horndon	2060 yds	E.N.E.	St. Mary's, Wanley	2050 yds N.N.W.

## RAINFALL at Hornchurch (Eastern Sewer Works).

County of Essex

Observer W. J. Vizard, Esq.

River Basin Thames - Roding etc.

Homechurch U.D.C. (1940)

Type of Gauge M.O.

Annual Average..... in. based on..... years obs. un-weighted. Period of average..... Ref.....  
 " 20.5 computed by McCormick (1900) 1900-1936 745 172 27 66551726

Diameter	8.										
Height	1.6.										
Altitude	23.										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	1.07	.80	.95	1.16	1.03	3.16	2.81	1.93	3.78	1.59	1828
February	1.57	.17	.76	.27	1.55	1.33	3.46	.45	.94	1.15	1165
March	.18	1.05	1.09	1.89	.32	.94	2.33	.36	1.35	2.68	1222
April	3.43	1.40	.76	1.33	2.92	1.24	2.19	.17	1.99	1.55	1698
May	2.76	2.73	1.93	.39	1.17	.34	2.37	1.31	1.71	1.59	1628
June	1.39	.70	3.26	1.09	2.33	3.22	2.06	.48	.85	.38	1579
July	2.69	2.07	1.61	.68	.46	4.10	2.70	1.44	3.25	3.33	2236
August	2.58	1.46	.52	1.08	2.26	.38	.60	1.73	3.57	.08	1516
September	1.54	1.63	2.76	1.09	2.17	2.32	1.22	2.27	.85	1.16	1702
October	.56	4.35	1.14	1.85	1.74	1.40	1.23	2.18	1.07	2.13	2265
November	1.59	.59	.80	1.89	3.68	2.94	1.45	2.23	1.14	5.68	2367
December	.59	.28	.52	3.32	2.01	1.31	3.76	2.19	.93	1.08	1599
TOTALS	19.95	17.23	16.10	16.58	21.64	22.68	26.18	16.74	28.55	22.40	20805

1940. Sept. &amp; Nov. part est.

KMH

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
1931.			E. Horndon LMS	2060 yds	ENE
					St. Marys Warley
					2050 yds NW.

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

Station No. 1259

## RAINFALL at Hondon (Eastern Pen Works)

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County of Essex

Observer Hanchurch U.O.C.

River Basin Thames - Rating 86-2

Type of Gauge M.G. Standard 1941

as from 1<sup>st</sup> Sept 49. M.G. Gauge No 4732/49 M.G. 2

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

20.5 in computed by McCormick (1940) ref. 561245/36 File No. 745172/7

Diameter	8"		237	162			8"				
Height	1' 6"	1 3					1' 3"				
Altitude	23										
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	1.79	1.72	3.86	.91	1.21	.98	1.72	2.53	.84	1.32	16.98
February	1.22	.81	1.01	.75	1.16	1.66	1.12	1.02	.45	3.07	12.31
March	2.13	2.37	.27	.17	.97	1.11	4.45	.56	.72	.36	13.11
April	1.91	.49	.97	1.37	.81	1.34	1.03	1.30	1.14	1.77	12.13
May	1.40	1.95	.97	1.42	2.82	2.52	.60	1.88	2.07	1.18	15.21
June	.72	.26	1.40	1.57	1.02	2.59	1.79	2.01	.50	.94	12.80
July	2.26	1.74	1.19	1.57	2.84	1.08	2.81	.78	2.10	2.26	19.63
August	3.58	1.89	1.09	3.21	1.75	3.20	.21	3.53	1.53	1.36	21.35
September	.37	1.31	1.94	2.74	.72	1.76	1.36	.76	1.00	2.31	14.77
October	.88	3.08	1.91	3.04	1.44	1.03	.09	1.58	5.05	.21	12.31
November	2.22	1.87	1.35	2.87	.25	1.96	.70	1.62	1.97	4.28	19.09
December	1.38	1.81	1.38	.93	2.35	1.73	2.11	1.62	1.16	.87	15.34
TOTALS	19.86	19.30	17.84	19.55	17.34	20.96	17.99	18.59	18.83	19.93	189.39
D	D	D	D	D	D	D	D	D	D	D	

1941. Open situation  
1949 New gauge. as from 1<sup>st</sup> Sept 49.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.			Upminster	2 $\frac{3}{4}$ mds.	W.	Cranham	2 $\frac{1}{4}$ mds. W.

Station No. 1259

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## RAINFALL at Horndon (Eastern Sew. Works)

County of Essex

Observer Horncastle U.D.C.

River Basin Thames - Roding 96.2

Type of Gauge M.O. Mk II

Annual Average in. based on years obs. un-weighted. Period of average 1916-50 Ref.  
 " 20.40 " 81 1925-37 " 1916-50  
 " 20.5 in computed by Mr. Cornish (1936) ref. 56/245/26 File No. 745172/27

Diameter	5' 8"		237	162			5"			
Height	1' 3"						10"			
Altitude	20'	23					23'			
Year	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960 Means
January	1.60	1.36	.90	1.18	2.23	3.31	.97	1.39	1.85	1.66
February	4.70	.83	1.42	2.04	1.32	.28	2.68	2.55	.05	1.51
March	2.52	2.93	.41	1.73	1.02	.99	1.31	.96	1.24	.95
April	2.48	.64	2.11	.36	.15	1.24	.19	1.70	1.88	.41
May	2.10	1.17	1.29	1.51	4.05	.44	1.07	2.08	.92	2.03
June	.89	2.59	1.57	2.68	3.43	1.63	1.00	4.57	.95	1.43
July	2.07	.73	2.82	2.31	.08	3.47	3.95	2.29	1.97	2.75
August	2.38	1.61	1.36	3.10	.53	2.58	1.74	4.10	.95	3.02
September	2.83	3.25	2.11	1.49	3.18	1.61	2.09	6.04	.07	4.55
October	.58	2.13	2.67	1.51	3.68	1.19	1.46	2.56	1.95	5.13
November	3.56	4.06	.51	2.77	.57	.54	2.37	1.75	3.04	3.34
December	1.77	1.91	.59	1.31	1.50	2.36	1.57	2.96	3.20	2.17
TOTALS	27.48	23.21	17.76	21.99	21.74	19.70	20.40	32.95	18.07	28.95
	D	D	D	D	D	D	D	D	D	D

1954 — Open situation.  
 Insp. Feb 1955 T.B.C. Good site.

Position of Station on Ordnance One-Inch map : No. of Map ..... National Grid Reference S1/006 8607

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge
1951			Upton	2 1/2 mi	W	Erannah	2 1/2 mi W

Summary of Earlier Records from 10-year Sheets :

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	C25 ✓ ✓	✓	✓	✓	V. Int d 43, 45, 49