

RAINFALL at HornchurchCounty of EssexObserver W. J. Grant Esq.River Basin Thames, Rodig & 2Rain Gauge, by N+3  
No 122

Diameter ...			8									
Height .....			19									
Altitude ...			46 ft									
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	
January ...			(2.89)	2.55	.58	3.88	.89	(1.10)	2.53	2.88	740	
February ...			1.32	.59	2.01	2.45	2.78	(.60)	.84	2.37	659	
March .....			2.22	1.71	4.04	1.14	3.30	(1.30)	.84	2.63	807	
April .....			.66	2.12	1.24	1.11	.99	(1.30)	2.59	2.78	766	
May .....			.96	1.35	1.97	2.44	1.61	(2.90)	1.74	.30	655	
June .....			2.57	.43	1.49	.82	2.09	(.90)	1.30	1.46	575	
July .....			1.47	2.66	1.46	4.10	1.02	(4.80)	6.14	1.86	1382	
August .....			3.51	1.44	.77	3.83	3.17	(4.00)	1.25	2.02	1044	
September ..			2.07	1.13	.64	2.24	.99	(1.30)	4.19	.97	745	
October ...			1.69	3.18	1.10	1.59	2.73	(2.60)	1.34	.63	730	
November ..			1.33	2.54	2.18	2.32	3.79	(1.30)	1.93	1.37	839	
December ...			2.39	.74	5.96	4.67	2.33	(1.00)	1.74	3.10	817	
TOTALS ...			(23.48)	20.44	23.44	30.59	25.69	23.10 N.R.	26.43	22.37	9759	

1913 Earls Bank 3 ft high 47 ft E

↑  
on rd Romford Harold Wood

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
	51.33.30	0.11.20 E	Romford & R	1950 yds	N	St Andrews	2950 yds	E

RAINFALL at HornchurchCounty of EssexObserver W. J. Grant Esq.River Basin Thames Roding & E1926 F. Alderson Esq.Copper Rain Gauge, by No 3.Surveyor Hornchurch UDC.

Diameter ...	8											
Height .....	1	9							1	6		
Altitude ...	40											
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	<del>1930</del> 1930	
January ...	2.11	1.68	2.43	.95	2.44	1.55	1.81	1.14	2.83	.95	2.01	1996
February ...	.38	.15	1.59	2.55	.58	2.23	2.68	2.82	1.27	.36	.53	1514
March .....	1.13	.95	1.08	1.76	.59	.79	.13	1.95	1.99	.03	1.34	1174
April .....	2.41	1.29	2.29	1.24	2.43	1.29	4.30	1.77	1.27	1.07	1.33	2069
May .....	.76	.85	.66	1.68	3.89	1.49	.70	1.16	1.76	1.23	2.68	1686
June .....	1.63	.23	.93	.48	2.47	.19	3.21	2.20	2.04	.84	.51	1473
July .....	2.82	.16	2.72	1.34	2.83	2.86	2.06	2.86	1.55	1.73	2.09	2302
August .....	1.66	1.02	1.92	1.62	1.90	2.07	1.15	3.60	2.84	1.83	3.29	2290
September...	2.87	1.62	2.19	1.19	2.97	2.06	1.42	4.27	.51	.11	2.29	2144
October .....	1.02	.78	1.14	4.02	3.26	2.33	2.32	1.03	3.33	2.79	1.13	2315
November...	.43	1.78	1.24	1.66	2.74	1.07	3.83	2.07	1.81	4.53	3.38	2454
December...	1.88	1.01	2.18	1.83	2.47	2.31	.49	2.64	2.60	3.60	1.68	2269
TOTALS...	19.04	11.52	20.37	20.32	28.87	20.24	24.10	27.51	23.80	19.07	22.26	23680
	D	D	D	D	D	D	D	D	D	D	D	

1920. Swire Bar. 8 ft. 47 ft. 6 ft.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
1920.	51° 33' 30"	0° 11' 20"	Romford	1950 yds.	N.	St Andrew's Hornchurch	2950 yds.	E.

RAINFALL at HornchurchCounty of Essex Observer Hornchurch U.D.C.River Basin Thames - Roding etc - 2.

Type of Gauge.....

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

" 21.0 in. computed by Mr. Cornish (1938) Ref. 561245/36 745172/27

Diameter	8.									8	
Height	1.6					1.3				1.6	
Altitude	44.					95				44	
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	1.20	1.24	.93	1.08	1.07	3.18	3.17	2.15	4.55	2.08	2068
February	1.65	.18	.95	.09	1.83	1.27	3.79	.58	.81	1.43	1258
March	.20	1.34	1.46	1.98	1.44	1.10	2.70	.49	1.47	3.04	1422
April	3.49	1.63	.54	2.22	2.73	1.22	2.42	.20	2.40	2.16	1901
May	2.44	2.71	1.81	.48	1.21	.45	2.84	1.52	1.48	1.59	1653
June	1.18	.81	3.17	1.02	2.84	(3.20)	2.09	.52	1.08	.31	1622
July	2.67	1.95	2.61	.79	.97	(4.10)	1.47	1.29	3.01	4.03	2339
August	3.64	1.70	.48	1.89	1.79	.38	.80	2.41	3.50	.08	1667
September	1.22	1.79	2.04	1.11	1.99	2.57	1.16	2.27	.98	1.33	1646
October	.71	4.70	1.36	1.23	1.91	1.37	1.73	2.50	6.04	2.38	2393
November	2.07	.69	1.03	1.56	3.30	3.27	1.58	2.43	3.39	5.97	2529
December	.57	.41	.41	4.06	2.21	1.75	3.52	(2.57)	1.17	1.19	1784
TOTALS	21.04	19.15	16.79	17.51	22.29	(23.86)	27.77	18.93	29.91	25.59	2284
	D	D	D	D	D	D	D	D	D	D	

1931. No objects near gauge

1936. Gauge moved August 6850 ft. = 1 1/2 mi. E.N.E.

1937 Hedge 7' 6" high, 60 ft S.

Wall 9' " 200 " W.

Fence 15' " 70 " N.

Fence 15' " 66 " E.

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			Romford	1 mile	NNW	Romford	2.500 yds	NNW
1937			Hornchurch	1 mi.	S.	Hornchurch	3/4 mi	S.E.



Station No. 1260RAINFALL at Hornchurch

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County of EssexObserver Hornchurch U.D.C.River Basin Thames - Reading 16-2Type of Gauge ShowerAnnual Average in. based on years obs. un-weighted. Period of average Ref.21.0 in computed by Mr Connick (938) ref. 561245/36 File No. 74.5172/27

Diameter	8"			238	055				8"		
Height	1' 0"								1' 0"		
Altitude	44'										<i>totals.</i>
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	2.47	1.79	4.38	1.15	1.74	1.25	1.60	3.01	.84	1.61	19.84
February	1.41	1.09	1.38	.94	1.31	2.13	1.15	1.32	.59	2.77	14.09
March	2.70	2.51	.33	.17	1.08	.99	4.79	.40	.79	.50	14.26
April	1.51	.63	1.56	1.47	.89	1.37	1.22	1.60	1.27	2.27	13.79
May	1.24	2.48	1.38	.54	2.49	2.75	.67	1.93	1.67	1.25	16.40
June	.73	.33	1.66	2.39	1.50	2.12	2.19	2.32	1.03	1.37	15.64
July	3.89	1.45	1.54	1.95	3.52	1.36	2.70	.89	1.56	3.14	22.00
August	3.82	2.10	1.18	3.21	1.28	3.61	.06	4.13	1.31	1.36	22.06
September	.47	1.42	1.88	3.51	.93	2.15	1.36	1.08	1.37	2.44	16.61
October	.95	3.33	1.91	3.00	1.73	1.13	.18	1.79	4.95	.33	19.30
November	2.47	2.14	1.42	3.25	.17	2.15	.85	1.74	2.06	4.28	20.53
December	1.66	1.95	1.53	1.23	2.55	1.99	2.03	1.74	1.34	1.51	17.53
TOTALS	23.32 D	21.22 D	20.15 D	22.81 D	19.19 D	23.00 D	18.80 D	21.95 D	18.78 D	22.83 D	212.05 D

1941. Hedge 7'6" high 60' S.  
wall. 9'0" .. 70' NFence 15' 0" high 66' E  
hedge 6' 0" .. 200' W.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			Hornchurch A.M.S.	1 mi.	S.	Hornchurch	$\frac{3}{4}$ mi.	S.E.

RAINFALL at Hornchurch

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County of EssexObserver Hornchurch U.D.C.River Basin Thames-Roding E-2Type of Gauge Snowdon

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

" " 21.0 in. computed by Mr. Cornish (1938) ref 561245/36 File No. 745172/27

Diameter	2.98" 8"	based on 35 yrs 1916-1950				Period of av.				1916-1950	8"	Ref. P
Height	1' 0"								1' 4"			
Altitude	44'											
Year	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means	
January	2.15	1.56	1.08	.88	2.44	3.12	1.26	1.37	1.64	1.49		16.99
February	5.58	.84	1.62	2.25	1.45	.30	2.55	2.24	.07	1.42		18.32
March	2.83	3.05	.49	1.83	1.07	.85	1.31	1.10	1.35	.84		14.72
April	2.59	1.05	2.20	.44	.28	1.26	.24	1.62	1.46	.31		11.95
May	2.33	.86	1.26	1.81	3.51	.51	.93	1.92	.95	1.93		16.01
June	.77	1.89	1.78	2.88	2.30	1.47	.86	4.99	.77	1.66		19.37
July	1.62	.51	3.22	2.64	.09	2.57	3.41	2.00	.83	2.48		19.37
August	2.84	1.97	1.74	3.06	.50	3.63	1.82	4.74	1.22	2.82		24.22
September	3.88	2.76	2.22	1.86	2.20	2.05	1.86	4.77	.03	3.92		25.55
October	.57	2.41	3.87	1.65	2.42	1.05	1.49	2.18	1.73	4.88		22.25
November	3.83	4.09	.91	3.23	.62	.60	2.19	1.83	2.70	2.93		22.93
December	1.85	2.22	.92	1.12	1.30	2.34	1.53	2.64	3.10	2.10		19.12
TOTALS	30.84	23.21	21.31	23.65	18.18	19.65	19.45	31.40	16.35	26.78		230.82
	D	D	D	D	D	D	D	D	D	D		D

1954 Hedge 7'6" @ 60° S. Wall 9' @ 70° N. Fence 15' @ 66° E Hedge 6' @ 200° W,  
 Not Feb. 1954. 9. moved to present site 6-74' ago. Present site Building 60° 70' NE, Tree 50° 70' W. tree 25.3.  
 Present site also good recommended replacement in original area on old site now occupied by fence.  
 Confirms 3. 8" further 5" from N.W. of recommended

(Gauge is sited at Langtons Gdns.)

Position of Station on Ordnance One-Inch map: No. of Map 161 National Grid Reference TR 537875

Date.	Lat. N.	Long.	Railway Station.	Distance	Direction	Parish Church.	Distance	Direction
1954			Hornchurch	1 1/2	S	Hornchurch	3/4 m	S.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
	C1912 NR17 ✓	✓	✓	✓	
	✓ 1st 1/4	✓	✓	✓	

RAINFALL at HornchurchCounty of EssexObserver Hornchurch U.D.C.River Basin Thames - Roeding 16-2Type of Gauge Snowdon

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

" " 21.0 in. computed by Mr. Cornish (1938) ref 561245/36 File No. 745172/27

Diameter	2.98" 8	based on 25 yrs 1910-1950	1950	1950	1950	1950	1950	1950	1950	1950	Ref. P.
Height	1' 0"							1' 4"			
Altitude	44'										
Year	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January	2.15	1.56	1.08	.88	2.44	3.12	1.26	1.37	1.64	1.49	
February	5.53	2.4	1.62	2.25	1.45	.30	2.55	2.24	.07	1.42	
March	2.3	3.05	.49	1.83	1.07	.85	1.31	1.10	1.35	.84	
April	2.59	1.05	2.20	.44	.28	1.26	.24	1.62	1.46	.31	
May	2.33	.86	1.26	1.81	3.51	.51	.93	1.72	.95	1.93	
June	1.1	1.89	1.78	2.88	2.30	1.47	.86	4.49	.77	1.66	
July	1.62	.51	3.22	2.64	.09	2.57	3.44	2.00	.83	2.48	
August	2.64	1.91	1.74	3.06	.50	3.53	1.82	4.74	1.22	2.82	
September	3.88	2.76	2.22	1.86	2.20	2.05	1.86	4.77	.03	3.92	
October	.51	2.41	3.87	1.65	2.42	1.05	1.49	2.18	1.73	4.88	
November	3.83	4.03	.91	3.23	.62	.60	2.19	1.83	2.70	2.93	
December	1.85	2.22	.92	1.12	1.30	2.34	1.53	2.64	3.10	2.10	
TOTALS	30.94	23.21	21.31	23.65	18.18	19.65	19.45	31.40	16.35	26.78	

1954. Hedge 7'6" @ 60'S. Wall 9' @ 70'N. Fence 15' @ 66'E Hedge 8' @ 200'W, 1st Feb. 1954. A. moved to present site 6-7-54. Present site Building 60'70'N/E, True 50'90'W. true 25'S. Present site into yard. Recommended replacement in original area as old site now occupied by fence. Contingency 3" future 15" area. New g. recommended.

Position of Station on Ordnance One-Inch map: No. of Map 161 National Grid Reference TD 537875

Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge.
1954			Hornchurch	1m S	Hornchurch	3/4m S.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
	C1912 NR17	✓	✓	✓	
	✓ 64' - 14	✓	✓	✓	