

RAINFALL at Tilbury Fort New Observatory

County of Essex

Observer S. A. Hill-Wallis Esq. C.E.

River Basin Thames Rodmips 2

Rain Gauge, by N+3

Diameter ...							5				
Height							1.0				
Altitude ...							6				
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	TOTALS 1916-19
January86	.96 (0.10)	2.82	7.74	
February ...							3.46	.81 (70)	2.24	7.21	
March							3.73	1.44 (1.00)	2.76	8.93	
April							1.29	1.89 (2.60)	3.30	9.08	
May							1.48	2.24 (1.70)	.16	5.58	
June							1.47	1.19 (70)	1.33	4.69	
July							1.94	5.88 (5.80)	3.21	16.83	
August							3.05	4.14 (1.60)	2.13	10.92	
September...							.89	1.27 (4.30)	1.12	7.58	
October ...							1.76	2.65 (1.70)	.68	6.79	
November..							4.61	1.46 (1.90)	1.52	9.49	
December...							2.65	1.79 (1.60)	3.04	9.08	
TOTALS ...							27.19	28.72 NR.	24.31	103.92	

open fence 5.4 ft high all round

1
east open
Study Rd

Date.	Lat. N.	Long. E	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
51.28	0.22		Tilbury Dock	1/4 m	N	S. John's	1/2 m	N

RAINFALL at Tilbury Park New Way

County of Essex

Observer C. Hill-Wallis Esq.

River Basin Thames Roding + c.s.

Engineer (Tilbury)

(1925) M.O. Rain Gauge, by D.N.G.

Diameter ...	5"											
Height	10											
Altitude ...	583	6										4
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929		Mean 1930
January ...	1.90	1.22	2.48	1.08	2.64	1.28	1.78	1.57	2.10	.86	1.78	18.69
February36	.25	1.45	2.59	.58	2.52	2.46	3.54	1.10	.29	.73	15.87
March54	.71	1.30	1.91	.65	.99	.16	2.03	1.76	.02	1.09	11.16
April.....	2.80	1.16	2.69	1.72	2.04	1.75	4.72	1.52	1.87	1.30	1.41	23.04
May64	.87	.82	1.71	2.03	1.53	.71	1.07	2.44	.76	4.82	17.70
June	2.14	.17	.92	1.43	3.00	.22	2.35	1.42	2.31	.67	.28	14.91
July	3.88	.09	2.28	1.23	2.16	3.00	1.60	2.90	2.06	1.26	1.88	22.29
August	1.35	1.14	1.47	1.81	2.06	2.93	2.09	3.28	2.97	2.05	2.15	23.30
September...	4.40	1.37	2.45	.81	2.62	1.77	.70	3.53	.39	.05	3.12	21.21
October.....	1.22	.90	1.27	4.50	2.84	3.01	2.32	.90	2.87	2.14	.88	22.95
November...	.57	1.61	1.06	1.75	3.54	2.10	4.19	2.05	1.80	4.64	3.62	26.93
December...	1.95	1.43	3.08	1.55	2.42	2.71	.83	2.89	3.20	4.36	1.64	26.06
TOTALS...	21.56	10.92	21.27	22.09	27.08	23.81	23.91	26.70	24.87	18.40	23.40	244.01

'open face 5.4 like 15ft all round.'

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
51.28.0	022.0		Tilbury Dock	1/4 mi	N	St. John	3 mi

RAINFALL at Tilbury (Park View Observatory).

County of Essex

Observer S. B. Hills-Wilts, Esq., C.E.

River Basin Thames-Roding etc.

G.F. Andrusay, C.E. (1936)

Type of Gauge

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

Ref.

20.2 in. computed by Mr. Cornish (1938) Ref. 561245/36

816677/28 83056/37

Diameter	5.										
Height	1.0.										
Altitude	6.										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	.90	1.18	1.18	(1.10)	1.23	3.50	4.06	2.15	3.86	1.95	21.11
February	1.14	2.28	1.07	(1.30)	2.46	1.37	2.58	1.22	1.09	1.35	13.38
March	.28	1.02	(1.30)	(2.00)	.39	.87	2.73	.42	1.42	3.08	3.63
April	3.00	1.21	(1.70)	(1.70)	2.52	1.51	2.63	.35	1.06	1.83	16.51
May	2.72	3.01	(1.90)	(1.30)	1.10	.23	2.92	1.60	2.48	1.24	17.50
June	.80	(1.60)	(1.20)	(1.00)	2.54	4.19	3.12	.31	1.27	.39	15.42
July	2.35	4.44	(2.60)	(1.60)	.55	2.12	1.02	.39	1.00	3.80	15.83
August	3.01	4.22	(1.30)	(1.20)	2.04	.65	.79	1.52	1.90	.65	12.86
September	1.41	(1.20)	(2.90)	(1.00)	3.36	1.97	1.31	2.52	.46	.91	17.53
October	.52	(4.30)	(1.00)	(3.6)	2.18	1.62	1.55	2.18	7.14	2.33	24.17
November	2.00	(1.60)	(1.90)	(1.80)	4.05	3.08	1.79	1.63	3.46	5.93	25.24
December	.46	(1.10)	(4.0)	(2.30)	1.96	1.43	2.02	1.60	.84	1.37	15.53
TOTALS	18.59	15.10	15.45	15.60	24.36	22.54	29.54	15.42	27.15	24.83	208.61
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.

1931. Circle Hazelwood Fence 24' diameter 4' high all round gauge.

1934. Return not received.

The data is now under control of Thurrock M.C. not Tilbury M.C. with letter of 2.6.37
1937. House 25 ft. high 100 yds E., Shed 18 ft. high 100 yds S.

enfr open day 1246

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
1931			Tilbury Dock	1/2 mile	S.W.	Tilbury Dock	1/2 mile S.W.

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

RAINFALL at Tilbury (Formerly Meteorological)

Station No. 1246

County of Essex

Observer G. F. Ankers Esq. C.E.

River Basin Thames - Roding etc 2

C.S. HAWKES Esq. AMIE.

Type of Gauge

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

Ref.

20.2 in computed by Mr Cornish (1938) Ref. 561245 File No. 816677/28

Diameter	5"		236	989							
Height	1' 0"										
Altitude	6'									0"	Totals
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	2.58	1.90	4.10	1.07	1.66	1.01	1.71	2.07	.74	1.33	18.37
February	1.14	.81	1.21	1.10	1.05	2.04	1.01	1.08	.57	3.50	13.51
March	2.49	2.29	.35	.11	1.43	1.16	4.09	.61	.63	.45	13.61
April	1.93	.91	1.08	1.48	1.05	1.66	1.16	1.63	.66	2.19	13.75
May	1.28	2.59	1.95	.35	2.35	3.47	.64	1.65	1.67	1.27	17.22
June	1.22	.07	1.14	1.35	1.02	1.69	1.78	1.76	1.03	1.13	12.19
July	2.17	1.95	1.33	2.17	3.23	1.77	2.88	.79	2.16	2.12	20.57
August	3.48	1.67	1.07	3.47	1.40	3.68	.24	3.64	1.21	1.53	21.39
September	.29	2.07	1.59	2.33	.57	2.17	1.28	.98	.91	2.14	14.33
October	.80	2.89	1.68	2.97	2.19	1.11	.06	1.76	5.17	.46	19.09
November	2.59	1.83	1.30	3.27	.44	2.86	.89	1.73	2.14	5.06	22.11
December	1.28	1.93	1.61	1.01	2.32	1.89	2.17	2.19	1.02	1.24	16.66
TOTALS	21.25	20.91	18.41	20.68	18.71	24.51	17.91	20.09	17.91	22.42	202.80

1941. House 25' high 100 fds E

Shed. 15' " 100 " S.

Nov. 1945. Old name changed to Beaconsfield Rd. (see 32A in file).

Such to be inspected

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.			Tilbury Down	1/4 m.	S.	Tilbury	1/4 m.
1947			" "	1/4 m.	S.W.	" "	1/4 m. S.W.

Station No. 1246

51

RAINFALL at Tilbury (Beaconsfield Rd.)

County of Essex

Observer G. S. H. Hawkes, Esq. C.E.

River Basin Thames Roding etc. 2

Type of Gauge.

Annual Average in. based on years obs. un-weighted. Period of average Ref.
 " 20.93 " " 26 " 1931-57 " " 1916-50 " 1246
 " 20.2 in. computed by Mr. Cornish (1938) ref. 561245/36 File No. 816677/28

Diameter ...	5"			236	989						
Height ...	1' 0"										
Altitude ...	6'										
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	1.59	1.41	.87	1.37	2.42	2.80	1.64	1.38	1.68	2.14	
February ...	5.09	.61	1.00	1.67	1.47	1.36	2.29	1.67	-	1.69	
March ...	1.96	2.56	.51	1.46	.90	.73	.80	.99	1.01	1.07	
April ...	2.53	.74	2.01	.21	.15	1.26	1.14	1.55	1.58	.72	
May ...	2.38	.71	1.30	1.50	3.69	1.42	1.08	1.44	.83	2.23	
June82	1.56	.94	2.52	1.70	1.20	.92	3.69	.61	1.15	
July ...	3.35	.64	2.48	2.93	.09	3.20	3.37	3.02	1.20	2.82	
August ...	2.16	2.04	2.06	2.78	.43	2.30	2.32	3.85	.76	3.73	
September ...	3.13	3.22	2.09	1.56	1.91	2.12	2.22	5.11	.05	3.47	
October64	2.15	2.02	1.56	3.37	1.38	1.17	2.74	1.78	6.52	
November ...	2.97	4.16	1.29	3.28	.29	.50	3.33	1.49	2.82	3.63	
December ...	1.55	1.69	.68	1.37	1.33	1.98	1.83	2.46	3.13	2.32	
TOTALS ...	28.17	21.49	17.25	22.21	17.75	18.25	20.11	29.39	15.45	31.50	
	d	d	d	d	d	d	d	d	d	d	

1951 House 25', 100yds E; Shed 15' 100yds S:

Position of Station on Ordnance One-Inch map :

No. of Map

National Grid Reference TQ(5)610765

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge
1951			Tilbury Town	1/4 mi	SW	Tilbury	1/4 mi SW

Summary of Earlier Records from 10-year Sheets :

1916-1950, P - Rejected

Record D, or d		1910-19	1920-30	1931-40	1941-50	1951-60
		C 16 NR 18 - bat D 19	✓ ✓ bat D 25/30	✓ bat D 57	✓ bat D 48	