

RAINFALL AT

Horne Bay Water Works

Lat. _____

Lon. _____

County of _____

Kent

Rain Gauge, by _____

Observer _____

C. F. Bagley Esq

J. W. Hooper Esq

3 - Swale

Diameter				5								
Height						0	6	4	6			
Altitude				90			106	120	122			
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January				1.39	2.42	1.64	.79	1.92	.39	2.04		
February				4.35	1.25	.43	.30	2.07	.44	2.16		
March .....				.44	.71	1.13	1.82	2.41	1.70	.68		
April .....				.00	1.94	1.20	.73	1.72	.69	2.39		
May .....				.53	2.76	.67	.24	.82	3.35	2.07		
June .....				.39	2.15	.31	3.30	1.40	2.78	1.12		
July				2.50	3.94	2.70	1.32	.41	1.16	.98		
August .....				.45	1.55	1.40	3.06	2.07	1.24	.82		
September....				2.20	1.62	.61	4.20	1.93	.34	2.26		
October				2.78	3.41	2.87	4.46	.35	1.49	1.93		
November				3.10	3.26	2.80	1.54	1.18	2.57	2.45		
December				2.15	1.38	2.01	3.04	2.39	1.38	1.75		
TOTALS . . .				20.25	26.39	17.77	24.80	18.67	17.53	20.65		

1895 Christchurch Horne Bay ^{1/2} mile W
 Building ³⁰ 25 ft high ⁵⁰ 70 ft ^{SE} E

RAINFALL AT

Horne Bay Water Tanks

Lat.

Lon.

County of *Kent East*

Rain Gauge, by

Observer

J. W. Thorp Esq

S. J. Lovell Esq

3. Wallace,

Diameter ..	5											
Height	0 6											
Altitude ..	122								T			
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.	
January ..	2.67	.25	.97	1.84	2.70	.68	2.18	.90	1.32	.61		
February ..	4.23	1.04	.96	1.42	1.82	.69	1.42	1.23	.94	1.08		
March	1.00	2.03	.99	1.86	1.43	2.32	1.35	.61	1.86	2.37		
April .....	.91	1.39	.57	1.78	1.02	2.19	.83	2.50	1.53	1.20		
May .....	.75	.59	1.63	2.60	1.92	.90	1.67	1.66	1.34	.68		
June	1.63	.66	2.37	4.75	1.18	3.45	1.42	1.34	1.31	2.95		
July .....	.79	.50	1.18	4.90	.97	.64	1.63	1.38	5.31	2.78		
August ....	.54	1.23	3.93	2.27	1.08	1.95	.53	1.38	2.77	2.16		
September ..	.71	.70	1.55	1.98	2.25	1.05	1.76	.46	1.02	2.50		
October	1.65	1.00	1.64	3.34	1.81	1.86	2.30	3.90	1.40	4.74		
November ..	2.12	1.00	1.36	2.45	1.50	2.44	3.78	1.92	1.19	.55		
December ..	1.95	2.80	1.20	1.21	2.14	.35	1.64	1.63	2.10	3.35		
TOTALS ..	18.95	12.49	18.35	30.40	19.82	18.52	20.51	18.91	22.09	24.97		

1900 Christ Church 1 mile W

Eugene House 18 ft high 50 ft SE

June and August 1 inch short 2.60 mi 1.54 mi

1901 ? Three inches short

1903 Horne Bay Station 1 1/2 miles S.W.

RAINFALL at Horne Bay Water WorksCounty of KentObserver E. J. Level Esq J Roberts EsqRiver Basin Swale + C 3

Rain Gauge, by _____

NL

Diameter ...	5												
Height	6							1.0					
Altitude ...	122 T							130					
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	TOTAL 1916-19	MEANS	SONS
January ...	2.22	1.32	2.10	3.22	.98	2.32	28	2.06	2.46	2.90	7.70	770	6.9
February ...	2.47	.92	1.10	.74	1.97	2.50	3.34	.44	.36	1.70	5.84	584	5.84
March	1.23	2.15	2.53	2.27	4.40	.95	3.70	1.95	.64	2.76	9.05	905	9.05
April	2.12	1.06	.16	2.03	1.61	1.15	2.05	1.74	1.35	2.55	7.69	796	7.96
May	4.40	.90	.68	1.90	1.07	2.47	1.43	.88	1.12	.34	3.77	377	3.77
June	3.60	2.93	2.42	.50	.94	.65	1.84	1.36	.84	.90	4.94	494	4.94
July	1.93	.28	2.35	2.06	2.47	2.28	1.10	4.70	2.94	3.62	12.36	1236	12.36
August	2.60	.70	5.30	1.30	.84	2.60	2.04	6.95	.32	2.09	11.40	1140	11.40
September ..	1.05	1.22	2.76	1.80	.48	2.90	.93	.64	3.53	.90	6.00	600	6.00
October ...	1.28	5.25	2.80	3.65	2.70	2.70	3.06	2.80	2.20	1.32	9.38	938	9.38
November ..	3.12	3.48	1.94	2.72	3.05	3.05	3.95	1.14	2.30	3.05	10.44	1044	10.44
December ...	2.76	3.00	1.80	1.10	4.93	5.08	2.12	2.82	1.73	2.76	9.43	943	9.43
TOTALS ...	28.78	23.21	25.94	23.29	25.44	28.65	25.84	27.48	19.79	24.89	98.00	98.00	2 imp

38.6 am 12.9 mm

1916 Water tower 86 ft high 20 gals 5
 1917 Church 40. 200 ft SE

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
			Horne Bay	1 1/4 m	SW	Horne St Bartholomew	1 m 50 gals	5 SE

RAINFALL at *Herne Bay Water Works*County of *Kent*Observer *J. Roberts Esq*River Basin *Sussex & C 3*

Rain Gauge, by _____

M.

Totals

Diameter ...	5						4				5	
Height	10					16					10	
Altitude ...	130										130	
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 Mean	Mean
18.27 January ...	2.33	1.50	2.50	1.30	1.75	1.08	1.33	1.16	2.30	.90	2.12	1.66
16.07 February ...	.28	.85	1.48	2.20	.46	2.60	2.55	3.12	.90	.83	1.10	1.46
12.04 March .....	.50	1.15	1.70	1.68	.84	1.03	.27	1.65	1.46	.15	1.66	1.10
20.74 April	2.65	1.14	1.83	1.56	2.36	2.20	2.84	1.70	2.10	1.30	1.06	1.88
15.47 May .....	.75	.50	.62	2.06	1.88	2.17	1.04	.64	1.45	.90	3.16	1.41
15.16 June .....	.90	.12	1.30	.52	1.10	.42	2.63	3.85	2.10	1.25	.97	1.38
19.78 July	1.50	.08	1.63	.85	(1.85)	1.80	1.80	5.90	.90	.67	2.80	1.80
21.74 August	1.25	1.14	1.88	2.00	1.76	1.58	2.50	3.03	2.36	2.28	1.96	1.98
19.91 September...	3.32	.70	3.07	1.12	1.54	1.84	.60	2.95	.68	.34	3.75	1.81
26.97 October .....	.95	1.17	2.10	4.72	3.20	2.60	3.46	1.87	3.83	2.77	1.30	2.45
28.78 November...	.76	1.56	.95	2.24	2.05	2.36	4.55	3.08	2.43	3.50	4.40	2.56
26.17 December...	2.07	1.30	2.35	1.88	2.93	2.53	.72	2.78	3.16	4.70	1.75	2.38
240.55 TOTALS...	17.26	11.21	21.41	22.13	(21.72)	22.21	24.29	31.23	23.77	19.29	26.03	21.87

1920 Water Tower 86 ft high 100 ft S.E.

Church 40 " " 200 " "

66.6 a.m. 1st of month

1924. July cond by m.m. sls.

Position of Station on reduced Ordnance Survey
Map, 2 miles to 1 inch Series

No. of Map _____

Reference No. _____

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge	Direction
1920			Herne Bay	1 mi	S. W.	St. Bartholomew's	200'	S.E.

RAINFALL at Herne Bay (Waterworks)County of KentObserver J. Roberts, Esq.River Basin Swale & 3

Type of Gauge.....

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

Diameter	5	4 1/2										
Height	1	0	1	6	1	6	1	0	1	6		
Altitude	130			125			130					
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	TOTAL	Mean
January	1.92	1.30	1.40	1.58	1.57	4.38	3.63	2.47	3.62	(202)	2389	
February	1.86	.21	.82	.20	2.50	2.00	3.26	.80	1.74	1.02	1381	
March	.19	1.23	1.58	2.22	.20	.57	4.45	.50	1.52	2.77	1523	
April	2.57	1.72	.67	1.75	2.20	.96	1.67	.40	2.38	.98	1530	
May	2.34	2.56	1.10	1.35	1.78	.20	2.95	1.97	2.03	.47	1675	
June	.60	.13	2.20	.76	2.17	3.52	1.90	1.18	1.53	.31	1430	
July	2.42	2.60	1.26	1.13	.24	4.94	.84	1.54	.92	2.65	1854	
August	2.24	1.70	.68	2.65	2.78	1.07	1.68	3.25	1.34	.21	1760	
September	1.28	1.73	3.53	1.03	2.80	2.08	3.64	2.47	1.55	1.38	2149	
October	.50	5.40	1.50	1.34	3.34	2.08	2.85	3.05	9.75	3.12	3263	
November	2.75	1.00	1.15	3.18	3.67	2.97	1.44	2.08	3.57	5.49	2730	
December	.52	.35	.50	3.23	2.46	1.55	4.58	1.72	1.32	1.28	1751	
TOTALS	19.19	19.93	16.39	20.42	25.71	26.32	32.59	21.43	30.67	21.70	23435	179

1930 Water lower 20' high 50 yds. S
 1940 Jan. estd

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
1931.			Herne Bay.	1m.	S.W.	St. Bartholomew	100 yds.	S.E.

RAINFALL at Henne Bay (Waterworks)

41

County of Kent

Observer J. Roberts Esq.

River Basin Swale R.

Type of Gauge

Annual Average 37.8 in. based on years obs. un-weighted. Period of average Ref.

File No. E 13074/51

Diameter	5"				300 862							
Height	1' 6"					1' 0"				1' 6"		
Altitude	125'				41				130'	125'		
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	TOTAL	Means
January	1.86	2.05	4.83	1.28	1.84	1.92	(2.02)	2.08	1.32	1.35	20.55	
February	1.32	.62	.98	1.37	1.08	1.96	1.25	.82	.68	2.81	12.89	
March	1.63	2.12	.22	.18	1.12	1.74	(3.20)	.66	.82	.47	12.16	
April	1.36	1.06	1.48	1.46	1.22	1.38	1.12	1.15	1.14	1.59	12.96	
May	1.08	3.12	2.25	.45	2.09	1.82	.78	1.43	1.52	1.52	16.06	
June	.72	.29	1.21	1.22	1.32	1.58	3.06	2.15	.35	1.15	12.95	
July	2.75	2.56	1.85	2.35	2.18	1.98	2.48	1.08	.72	2.85	20.80	
August	3.56	2.14	1.05	1.38	1.64	3.68	.12	2.42	.67	1.75	18.41	
September	.23	1.92	2.05	2.12	.64	1.86	1.26	1.42	2.31	1.65	15.46	
October	1.25	3.17	1.65	4.52	1.25	1.92	.32	1.22	5.67	.43	21.40	
November	3.58	2.32	1.67	4.83	1.95	3.25	1.55	1.87	3.08	4.66	28.76	
December	1.28	2.32	1.32	1.32	2.76	2.06	2.58	1.52	1.27	2.05	18.48	
TOTALS	20.62	23.69	20.56	22.48	18.99	25.15	19.74	17.82	19.55	22.28	210.88	

1947. Jan + March adjusted for snow ref. surr. str.

* 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.

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge.	Direction from gauge.
1941			Henne Bay	1 mile	SW.	St. Bartholomew	100 yds	SE

Station No. 319

RAINFALL at HERNE BAY (WATERWORKS)

51

County of KENT

Observer J. ROBERTS, Esq.

River Basin SWALE & C. B.

Type of Gauge Howard

omitted 1950

Annual Average 22.8 in. based on years obs. un-weighted. Period of average 1916-1950 Ref. 4

22.39 in based on 35 " " 1916-1950

File No. E. 13074/51

Diameter	5"				300802						
Height	1' 6"		1' 0"						6"		
Altitude	125'				61						
Year	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January	2.45	1.52	1.02	1.25	2.32	3.62	1.18	2.38	1.74	2.38	19.86
February	4.22	1.14	1.36	2.07	1.36	1.25	2.92	2.19	1.1	1.86	18.48
March	2.17	3.06	.30	2.58	1.06	.39	.81	1.10	1.30	1.45	14.22
April	1.66	1.03	1.08	.37	.19	1.02	.31	1.81	1.74	0.69	9.90
May	2.48	.93	1.62	1.62	3.28	.51	1.06	1.90	1.01	1.80	16.21
June	1.91	2.03	2.58	2.08	1.92	1.91	1.00	4.89	1.85	1.39	21.56
July	1.02	.76	2.75	2.36	1.72	2.30	2.50	2.55	2.31	2.27	20.54
August	2.67	2.88	1.52	4.06	5.52	3.28	1.54	2.91	.90	3.12	28.40
September	2.85	4.48	3.05	1.08	.57	1.34	2.91	4.34	.35	3.31	21.28
October	1.66	1.68	1.95	.95	4.25	.93	.97	3.89	2.82	5.70	25.00
November	3.04	4.04	1.35	3.73	.52	.70	3.34	1.51	4.12	3.93	26.28
December	2.08	1.83	1.08	1.32	1.66	2.49	1.46	3.62	4.10	3.27	22.91
TOTALS	28.21	25.38	19.66	23.47	24.37	19.74	20.00	33.09	22.35	31.37	247.64

1951 Water Tower 80' 50 yd SE; in

July III 1951 B.O.K. Water Tower 78' 75" SE. Over-capped w.g. New site selected
 1960 - Mr. G.H. Roberts (Lm) took over in retirement of father (Mr. J. Roberts)
 31/12/59 G. moved 20 yds W.

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference T86186679

Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge.
1951			Herne Bay	1 mi S10	St Bartholomew's	100 yd SE

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
	✓	✓	✓	✓	
	- built 19	- built 20	-	-	