

RAINFALL AT *Knockholt Kent Waterworks*

Lat.

Lon.

County of

Kent

Rain Gauge, by

Observer

*F.C. Bayard Esq**5-Point.*

Diameter ....	...	5										
Height .....	...	10										
Altitude ....	...	785										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January	3.80	3.40	.74	2.62	2.25	1.75	1.27	2.81	.72	3.94	2.320	
February	1.05	.04	1.35	4.44	2.08	.00	.56	2.55	1.62	2.71	1.640	
March	3.20	3.05	1.27	.65	1.55	2.00	3.88	5.20	2.16	.86	2.382	
April	1.70	1.10	1.18	.10	2.95	2.00	.80	1.37	1.45	3.12	1.577	
May	1.64	3.22	1.35	.40	2.00	.50	.21	1.49	3.71	1.45	1.597	
June	2.53	2.63	4.63	1.35	1.75	.05	4.56	2.30	2.45	1.24	2.349	
July	4.45	3.35	2.07	3.00	4.50	4.15	2.16	.56	.58	1.22	2.604	
August	2.17	5.32	3.65	.53	3.00	3.83	2.23	3.11	1.27	.76	2.584	
September....	1.05	1.25	3.39	.75	2.04	.62	6.13	2.68	.53	2.85	2.129	
October	1.45	6.35	4.60	3.00	5.00	3.28	5.56	.42	3.50	2.29	3.545	
November....	3.00	3.28	3.42	3.00	4.25	5.48	1.55	1.58	3.67	5.18	3.441	
December ....	.88	3.12	2.47	1.56	2.70	3.07	4.15	3.82	3.26	1.77	2.680	
TOTALS . . .	26.92	36.11	30.12	21.40	34.07	26.73	33.06	27.89	24.92	27.39	28.861	

RAINFALL AT Knockholt Kent Waterworks

Lat. _____

Low, —

County of _____

Kent

5- Parent.

Rain Gauge, by

Observer

F. C. Bayard Esq

Tower Gauge Monthly

[illegible]

RAINFALL AT Knockholt Kent Waterworks

Lat.

Lon.

County of Kent West

Rain Gauge, by

Observer (F. C. Bayard Esq.)

5-Daunt. Town Gauges

W. Morris Esq. M.W.D.

Diameter ..	5										
Height ..	24 6										
Altitude ..	812										
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	2.82	.51	.60	1.99	3.48	.88	4.20	1.26	1.59	1.04	1.837
February ..	3.44	.79	1.17	1.31	2.43	.56	1.90	1.51	1.34	.55	1.500
March ....	.61	1.91	1.24	1.78	1.10	2.80	.99	.96	2.84	2.71	1.694
April .....	.70	1.53	.53	1.85	1.01	1.94	.49	2.91	2.35	1.48	1.479
May	1.05	.74	2.30	2.00	1.96	.71	1.16	2.24	1.73	1.32	1.521
June	2.39	1.73	3.71	6.00	1.01	5.96	2.48	1.18	2.48	3.71	3.065
July	1.11	1.19	.00	3.94	1.39	.42	1.41	1.08	4.02	3.35	1.791
August	2.89	1.96	2.47	3.36	1.66	2.53	.58	1.74	3.84	1.73	2.276
September ..	.72	1.31	.62	1.96	1.80	2.19	2.21	.71	1.71	3.60	1.683
October	1.79	2.80	2.10	6.12	2.12	1.37	4.60	3.46	1.54	5.08	3.098
November ..	2.33	.48	1.63	2.36	1.57	3.44	5.91	2.12	1.19	1.05	3.208
December ..	2.52	3.33	1.18	1.71	2.98	.64	1.62	3.29	2.80	3.05	2.312
TOTALS ..	22.37	18.28	17.55	34.38	22.51	23.44	27.65	22.46	27.43	28.67	24.464

D T.T. in in 290

1902 Unreliable

1908 Sunday, reading on Monday, 9 am.

RAINFALL AT Knockholt Kent Waterworks

Lat.

Lon.

County of Kent West

Rain Gauge, by

Observer (F.C. Payard Esq)

S. Daint.

Field GaugeW. Morris Esq C.E. M.W.B.

Diameter ..	5										
Height	1 0										
Altitude ..	785										
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	4.06	.97	1.05	2.94	5.21	1.30	5.90	1.45	1.75	1.20	2.583
February ..	4.48	1.26	1.60	2.17	3.69	.84	2.82	1.82	1.67	.52	2.097
March ....	.87	2.88	1.97	3.05	1.45	4.28	1.42	1.22	3.17	3.56	2.387
April	1.04	2.41	.76	2.28	1.40	2.32	.60	3.33	2.59	1.75	1.848
May	1.31	.75	2.71	2.35	2.41	.80	1.34	2.49	1.92	1.44	1.755
June	2.49	1.65	4.02	6.05	1.14	5.99	2.56	1.39	2.63	3.73	3.165
July .....	.95	1.90	1.31	4.75	1.48	.47	1.49	1.26	4.27	3.59	2.147
August	3.55	2.03	2.98	4.23	1.91	2.77	.70	1.94	4.09	2.03	2.623
September ..	1.38	1.52	.59	2.75	2.17	2.44	2.35	.81	1.89	3.73	1.963
October	2.28	2.59	2.58	8.03	2.50	1.64	4.92	3.80	1.67	6.10	3.611
November ..	3.07	.86	2.31	3.02	1.96	4.53	6.38	2.33	1.33	1.24	2.703
December ..	3.95	5.30	2.01	2.31	3.90	.97	1.88	3.61	3.09	4.16	3.118
TOTALS ..	29.43	24.22	23.89	42.93	29.22	28.38	32.36	25.45	30.07	33.05	30.000

D

T.T

m

m

m

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m

m

m

m

Sundays Reading on Monday Jan.

RAINFALL at Knockholt Kent WaterworksCounty of KentObserver Met Water BoardRiver Basin Thames - Darent 5

Rain Gauge, by _____

Diameter ...	5										
Height	10										
Altitude ...	785										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	TOTAL Means 1916-19
January ...	2.55	1.45	5.94	3.68	1.22	4.19	2.32	1.45	3.56	4.57	11.90
February ...	4.36	1.84	3.06	.92	4.34	4.78	4.22	.87	1.52	2.44	9.05
March	1.22	2.23	4.49	2.89	5.56	.69	3.57	1.75	.96	3.80	10.08
April	1.76	2.34	.12	3.34	1.29	1.71	1.79	2.50	2.81	3.04	10.14
May	2.93	1.99	.95	.97	1.53	3.09	2.85	2.08	2.15	.22	7.30
June	2.77	2.43	2.53	.81	1.12	.64	3.26	2.02	1.24	1.12	7.64
July	3.02	.51	1.25	2.30	1.49	4.99	2.96	4.92	4.83	2.14	12.85
August	2.45	.47	5.52	1.32	2.05	3.48	2.55	6.96	1.30	2.58	13.39
September ..	.95	1.52	3.37	1.42	1.39	3.15	1.20	2.25	5.37	1.31	10.13
October ...	2.88	4.60	3.41	4.51	2.04	2.47	4.66	4.71	2.39	.80	12.56
November ..	3.77	5.84	2.66	3.51	4.41	3.33	5.35	2.12	2.21	1.63	11.31
December ...	4.66	7.15	3.65	1.41	8.94	6.99	3.24	1.84	3.20	4.64	12.92
TOTALS ...	32.32	32.37	36.85	27.08	35.38	39.51	35.97	33.47	31.54	28.29	129.27

+ Inspected

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.

RAINFALL at Knockholt Kent WaterworksCounty of KentObserver Met. Water Board F. KelluishRiver Basin Thames - Darent

5.00 Copper B.A. Rain Gauge, by
 4.97 S. completely worn out - should be replaced immediately
 5.00
 4.96

.01 .008 .41 2.420
 .17 .178 .42 2.433
 .27 .216 .50 2.512
 .35 .339
 .45 .445

Glass shd be replaced (V. 21)

X. 25 B.A. gauge old but sound.												X. 15 Glass standard .50 otherwise glass .495		To TAL
Diameter ...	5"													
Height	1 0													
Altitude ...	785													
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 Middx.			
January ...	3.01	3.12	3.69	1.68	2.97	2.74	3.11	3.13	5.28	1.17	3.67	33.57		
February ...	.56	.49	2.58	3.98	.88	4.42	3.08	5.87	1.85	.57	1.10	25.39	
March	1.33	1.92	2.12	2.68	1.13	.99	.35	4.30	2.41	.03	1.88	19.44		
April	4.00	1.73	3.68	2.39	4.17	2.82	5.47	1.88	1.44	1.22	1.64	30.77		
May .....	.73	1.50	2.04	2.93	3.63	2.75	1.54	1.05	2.14	2.27	3.76	24.37	
June	2.03	.36	1.61	.73	2.51	.20	3.38	3.49	3.51	1.09	.81	19.72		
July	5.00	.51	3.30	2.56	5.46	3.70	1.65	3.02	1.93	1.98	3.58	32.69		
August	1.96	1.66	3.08	2.22	3.34	1.91	2.59	4.24	3.22	3.33	3.39	30.94		
September...	4.61	1.36	2.30	1.94	4.14	2.85	1.43	5.84	.91	.25	3.74	29.37		
October	1.38	1.09	1.38	6.29	3.52	4.49	4.01	2.60	5.21	4.35	1.86	36.18		
November...	1.78	1.82	2.10	1.99	3.50	3.02	7.02	3.40	3.57	7.92	5.54	41.66		
December...	2.79	2.03	4.33	2.71	4.32	3.63	.53	4.99	4.10	7.64	2.60	39.67		
TOTALS...	29.18	17.59	32.21	32.10	39.57	33.57	34.16	43.81	36.23	31.82	33.57	363.77		
	D	D	D	D	D	D	D	D	D	D	D	D		

Inspected 25.10.21 B. in other weathers on small cement bed. Long grass on all sides 3-6 ft distant.
 New B. shd be placed 50 ft. S. Belt of trees on N 40 ft. distant, 50-60 ft high give angle shelter.

1923 C. not inspected with other (6.11.23)
 1924 10 d. has. exposure insufficient. Only one gauge in use Fig. 10. W.
 1925 22.10.25 B. in other weathers, but some shells all round.
 21/10/27 Inspected on grass field

V. 21 monthly B. (called town gauge) was removed from town several years ago. Always dirty B. shd be moved as above. B.A. gauge also too well served
 hence 4.97
 4.95
 5.01

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 from gauge	Parish Church.	Distance from gauge	Direction from gauge

RAINFALL at Knockholt (Kent Waterworks)County of Kent Observer Met. Water BoardRiver Basin Thames - Darent & 5

Type of Gauge

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

583 891/28

Diameter	5											
Height	1	0										
Altitude	785											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	TOTAL	Means
January	2.04	2.91	2.34	3.25	1.48	6.12	6.49	4.26	5.41	2.57	37.47	
February	2.62	.48	2.55	.26	5.05	2.16	5.99	.84	1.79	2.63	24.37	
March	.40	1.80	4.61	2.79	.56	1.50	3.56	.51	1.71	3.18	20.62	
April	4.88	2.42	.94	3.67	3.79	2.35	3.24	.37	3.15	2.12	26.93	
May	2.56	3.87	2.13	.89	1.58	.47	2.70	2.84	1.85	2.41	21.60	
June	1.70	1.16	2.03	2.02	3.52	3.66	2.84	.67	1.13	.56	19.23	
July	2.73	3.08	2.34	3.17	1.32	5.31	1.03	1.99	2.51	3.50	26.98	
August	4.54	.85	1.12	2.54	3.59	.87	3.15	1.77	4.13	.06	22.62	
September	1.92	1.90	3.23	2.46	4.66	2.55	2.09	2.34	1.14	1.80	24.09	
October	.86	6.68	2.25	2.50	4.54	2.81	3.39	4.12	8.17	4.32	33.64	
November	3.85	1.89	1.45	4.33	6.75	5.04	2.04	4.14	6.85	9.62	45.96	
December	.79	1.16	.66	8.23	4.73	4.31	5.57	3.93	2.06	2.06	33.50	
TOTALS	29.19	28.20	25.65	36.11	41.57	37.15	42.59	27.88	39.90	34.83	343.07	

† Inspected by Mr Bennett 8/2/38. Gauge found correct.

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

RAINFALL at Knockholt (Kent Waterworks)

41

County of Kent Observer Met. Water BoardRiver Basin Thames Parent S.E.

Type of Gauge

Annual Average 29.9 in. based on years obs. un-weighted. Period of average Ref File No. 883891/22

Diameter	5"				290	184						
Height	1' 0"					1		6'	10'			
Altitude	785'					41						
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	TOTAL	Means
January	2.84	3.55	6.15	2.63	2.53	3.58	3.14	4.95	1.64	1.36	32.37	
February	4.00	1.25	2.44	1.15	2.49	3.32	2.33	2.58	1.68	5.82	27.06	
March	3.27	2.61	.43	.06	1.50	2.09	7.09	1.05	.93	1.58	20.61	
April	1.88	1.87	1.72	1.80	1.52	3.19	2.16	1.70	2.12	3.70	21.66	
May	2.53	3.38	3.05	.43	3.12	3.87	1.83	2.54	1.98	1.43	24.16	
June	2.48	.15	1.91	1.74	2.20	2.56	2.85	4.02	1.11	2.62	21.64	
July	2.37	2.45	2.54	1.55	4.21	2.42	1.72	2.16	.87	2.82	23.11	
August	5.16	3.60	1.22	(2.80)	1.94	5.42	.29	6.46	1.76	2.26	30.91	
September	.68	2.51	2.24	(3.00)	2.09	3.58	1.40	2.48	.85	4.47	23.30	
October	1.44	3.80	3.22	5.49	3.98	1.35	.27	2.34	8.94	.35	31.18	
November	3.87	2.39	2.22	6.02	.91	5.24	1.48	2.22	3.44	7.57	35.36	
December	3.10	3.56	2.39	2.48	4.12	3.47	3.53	5.11	2.26	2.68	32.70	
TOTALS	33.62	31.12	29.53	(29.15)	30.61	40.09	28.09	37.61	27.58	36.66	324.06	

1944 Aug & Sept. estd. by ref. to corr. obs.

* 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

BRITISH RAINFALL ORGANIZATION

Station No. 386

TF86

RAINFALL at KNOCKHOLT (KENT WATERWORKS) §

51

County of KENT Observer MET WATER BOARD

River Basin THAMES - DARENT & C 5

Type of Gauge Snagdon ROKKI

Annual Average in. based on years obs. un-weighted. Period of average 1916-50

Ref. 9

" " 35-08 " " 24 " " 1933-56

File No. 22624/58

E 346/14

Diameter ...	5"				29.0	184					
Height ...	1' 0"					1					
Altitude ...	785'					51					
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	3.44	2.90	1.33	1.90	4.11	4.32	2.20	3.57	3.32	3.55	30.64
February ...	7.28	1.05	1.89	2.71	2.21	.95	4.65	2.43	.16	2.52	25.85
March ...	4.57	3.85	.47	3.37	1.68	1.23	1.47	1.59	2.25	2.10	22.58
April ...	3.80	2.06	2.25	.40	.29	1.72	.12	1.58	2.61	0.93	16.26
May ...	2.30	1.56	2.07	2.31	4.50	.75	1.74	2.05	1.30	2.06	21.14
June ...	1.72	1.71	2.27	4.43	2.19	4.11	1.45	4.01	1.26	2.76	25.31
July ...	2.64	.85	5.03	3.58	.26	4.60	3.87	2.02	1.75	4.04	28.64
August ...	5.90	4.24	2.13	3.37	.93	2.68	3.41	4.36	1.00	3.04	31.06
September ...	3.17	3.58	4.35	2.92	2.44	3.08	3.03	8.67	.25	4.28	35.77
October ...	1.40	2.58	4.39	3.13	5.42	1.80	2.25	3.92	3.89	8.37	38.15
November ...	5.89	4.18	2.10	6.28	1.40	.93	3.37	2.12	3.29	6.00	35.56
December ...	3.58	2.95	1.05	2.41	2.84	4.25	2.73	3.37	6.67	4.26	34.11
TOTALS ...	45.69	32.51	29.83	37.31	28.27	30.42	30.29	39.69	27.75	43.31	345.07
	d	d	d	d	d	d	d	d	d	d	

Feb. 5/54. G. sound. Turf wall in good repair. Good site.
 8.54. Barring work resulted in large mounds of earth nearly 100 ft. high. Road seems OK.
 1956 June, July app'd.

1957. M.B. (157) 160. New g. required. Site considered to wind from N-SE but turf wall helps. G. Red Mon. Fri.
 and perhaps not 100 months if on Sat. or Sun. May be necessary to move g. hole.

Inform II 1957. H.W.B. New g. installed.

Expected 13-10-60 by H.W.B. Satisfactory etc. slope NE and S-SE both good turf wall

§ Turf wall

Position of Station on Ordnance One-Inch map : No. of Map. 171 National Grid Reference 5146583

Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge.

Summary of Earlier Records from 10-year Sheets :

1916-1950, P - Revised

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	✓	✓	✓	✓	
	✓	✓	✓	✓	