

RAINFALL AT Bromley Knockholt

80

Lat.

Lam.

County of

Kern

Rain Gauge, by

Observer Kent Wales Works Company
W Morris Esq C.E.

6-Daunt.

RAINFALL AT Knockholt Kent Waterworks

Lat.

Long.

County of

Kent

Rain Gauge, by

Observer

F.C. Bayard Esq

5-Paint.

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	1.697
June	2.53	2.63	4.63	1.35	1.75	.05	4.56	2.30	2.45	1.24	2.849
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	2.587
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	3.444
December....	.88	3.12	2.47	1.66	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. _____ *Long.* _____ *County of* Kent

5 - Parent. Rain Gauge, by Observer F.C. Dazard Eq
Tower Gauge Martel

RAINFALL AT Knockholme Kent Waterworks

Lat.

Lon.

County of Kent West

Rain Gauge, by

Observer (F. C. Bayard Esq.)

5-Dacent. Town Gauge.

W.M.W. Engg. M.W.B.

Diameter ..	5										
Height ..	24 6										
Altitude ..	812										
Year ..	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	M.EAN.
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	1.57	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	2.208
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. m m m m

1902 Unreliable

1908 Sunday, reading on Monday, 9 a.m.

RAINFALL AT Knockholt Kent Waterworks

Lat. Lon. County of Kent West

Rain Gauge, by Observer (F.C. Rayard, Esq.)

Diameter ..	5										
Height	10										
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	1.36	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	.89	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	2.747
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	2.85	.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	6.88	2.33	1.33	1.24	2.703
December ..	3.95	5.30	2.01	2.01	3.90	.97	1.88	3.61	3.09	4.16	3.118
TOTALS ..	29.43	24.22	23.89	43.93	29.22	28.38	32.36	25.45	30.07	33.05	20000

D FT M FT M FT M FT M FT M

Sunday Readings on Monday 9am.

RAINFALL at Knockholt Kent Waterworks

County of Kent

Observer Met Water Board

River Basin Thames Darent 5

77 Millhouse

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	1.46	5.84	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	2.28	4.49	2.89	5.56	.69	3.57	1.75	.96	3.80	10.08	
April	1.76	2.34	.12	3.84	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	.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 ...	38.32	32.87	36.85	27.08	35.98	39.51	35.97	33.47	31.54	28.29	129.27	
	2	2	2	2	2	2	2	2	2	2	2	

+ Inspected

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

RAINFALL at Knockholt Kent Waterworks Town

County of Kent

Observer Met. Water Board ^{7 Methwold}

River Basin Thames - Dartford

Rain Gauge, by

Diameter ...	5	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
Height	24.6											
Altitude ...	812											
Year ...		1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	
January ...	1.78							1.77	1.38	3.54	4.53	
February ...	3.21							4.05	.75	1.40	2.35	
March	1.14							3.46		.83	3.65	
April	1.61							1.58	2.30	2.51	2.79	
May								2.61		2.02		
June								2.99		1.14	.88	
July			2.22					.84		4.68		
August				1.47				2.52		1.19	2.48	
September ..					1.33			1.06		5.15	1.13	
October ...					4.39			4.46		2.30	.74	
November ..					3.35			5.08		2.16		
December ...							6.58	3.21		3.08		
TOTALS ...								33.63		30.00		

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

386
20

RAINFALL at Knockholt Kent Waterworks

County of Kent

Observer Met. Water Board F. Kelluish

River Basin Thames-Darent -

{ 5.00
4.97
5.00
4.96

Sopper B.A Rain Gauge, by

Soffer D.M. Rain Gauge, by
is completely worn out should be replaced immediately.

Digitized by srujanika@gmail.com

$$\begin{array}{r} .01 \quad .008 \quad .41 = .420 \\ .17 \quad .170 \quad .42 = .433 \\ .27 \quad .276 \quad .50 = .612 \\ .33 \quad .339 \\ \hline \end{array}$$

and (5-21)

x.25 B&g gonyl oldikit sound

Glass slab be replaced (v-21)

X-15 Glass Standard .50 otherwise
as in Fig. 1

Diameter ...	5"	X-15 Glass Standard .50 glass .495. Handcut.										
Height	1 0											
Altitude ...	785											
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 Median.	TOTAL
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
February56	.49	2.58	3.98	.98	4.43	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
May73	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	36.14
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	39.6
TOTALS ...	29.18	17.59	32.21	32.10	39.57	33.53	34.16	43.81	36.23	31.82	33.57	363.71

Inspected 7/25/21 S. in open meadow or small cement-bed. Long grass
on all sides 3-6 ft. distant.
Newt shd be placed 50 ft. S. Belt of trees on N 40 ft. distant, 50-60 ft. high
give ample shelter.

1923 G. not inspected wif other (6.xi.23)
1924 10.4 hrs. exposure satisfactory, only one gauge in use F.g.w.w.
1925 22.10.25 S. in open meadow but some shells all round.
21/12/25 Inspected see green file

V.21 Worthy S. (called town gauge) was removed from town several years ago. Alongside early S. talk be moved as above. B.A. gauge also low will serve
Furnel 407 }
405 }
405 }
gauge as a check.

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

RAINFALL at Knockholt (Kent Waterworks)

County of Kent Observer Met. Water Board

River Basin Thames - Darent &c 5

Type of Gauge

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

58.83/28

Diameter	5											Total Means
Height	10											
Altitude	785											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940		
January	2.04	2.91	2.34	3.25	1.48	6.12	6.99	4.36	5.41	2.57	37.47	
February	2.62	1.48	2.55	1.26	5.05	2.16	6.99	1.84	1.79	2.63	24.37	
March	1.40	1.80	4.61	2.79	1.56	1.50	3.56	1.51	1.71	3.18	20.62	
April	4.88	2.42	1.94	3.67	3.79	2.35	3.24	1.37	3.15	2.12	26.93	
May	2.56	3.87	2.13	1.89	1.58	1.47	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	1.67	1.13	.56	13.23	
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	1.85	1.12	2.54	3.59	1.87	3.15	1.77	4.13	.06	22.62	
September	1.92	1.90	3.23	2.46	4.66	2.56	2.09	2.34	1.14	1.80	24.09	
October	8.6	6.68	2.25	2.50	4.54	2.81	3.39	4.12	8.17	4.32	39.64	
November	3.65	1.89	1.45	1.33	6.75	5.04	2.04	4.14	6.85	9.62	45.96	
December	1.79	1.16	1.66	8.23	4.73	4.31	5.57	3.93	2.06	2.06	33.60	
TOTALS	29.19	28.20	25.65	36.11	44.67	37.15	42.59	27.88	32.90	34.83	343.07	

+ Inspected by Mr Bennett 8/2/38. Gauge sound & 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	Parish Church.	Distance from gauge

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

RAINFALL at Knesselkraft (Kernit Waterworks).

41

County of Kernit.

Observer Met. Water Board.

River Basin Jizomme, Danube 9.2.5.

Type of Gauge.

Annual Average 29.9 in. based on years obs. un-weighted. Period of average Ref.

File No. 833891/22.

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	4.43	4.06	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	4.43	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	2.29	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	2.27	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. eated by ref to curr. obs.

* Used in General Tables. Origin unknown.

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166Position 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

Station No. 386

1F86

RAINFALL at KNOCKHORN (KENT WATERWORKS) §

County of KENT Observer MET. WATER BOARD.

River Basin THAMES - DARENT & C 5

Type of Gauge Snowdon 100 ft

Annual Average in. based on years obs. un-weighted. Period of average Ref. S.
 " " 35.08 " 24 " 1933-56 " " 1916-50 E 3M 1916-50
 File No. E 22624/38

Diameter	5"			290	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	.45	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	2.75	.40	.29	1.72	.12	1.58	2.61	0.93	16.26
May	2.30	1.56	2.07	2.81	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	2.16	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	5.12	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	39.64	27.75	43.31	345.07
	d	d	d	7d	d	d	d	d	d	d	

Ins. 5/54. G. sound Turf wall in good repair. Guard site.

8/54. Bracing work required in large mouth, earth nearly temporary. Read accno. 0.4

1956 June, July app'd.

1958 MAY/1957/1958. New g. required. Site overcliffed to wish for N-SE but the wall helps. G. read Mon-Fri,

and perhaps not 108 months if on Sat. or Sun. May be necessary to have g. later.

1959 II/1958, H.W.B. New g. installed.

Expected 13/10/60 by H.W.B. satisfactory site. SW of NE and SSW but good turf wall

§ Turf Wall

Position of Station on Ordnance One-Inch map : No. of Map. 171 National Grid Reference 51/466.583

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

Summary of Earlier Records from 10-year Sheets :

1916-1950, P - Restricted

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