

RAINFALL at Chadwell Spring

County of Hertfordshire

Observer J. Wardby

M.R.W.B.

River Basin Thames Zone 3

Copper Snowdon Rain Gauge, by ?

funnel 500 all over

glass { 50 = 142
40 = 32
30 = 20
20 = 14
10 = 6
0 = 0 } recommended new glass.
3.XII-13

Diameter ...											MEANS.
Height				5							
Altitude ...				10							
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	
January75	3.31	1.35	1.40	2.48	3.45	Totals 16.19 8.68
February ...					2.27	3.18	3.37	.74	.81	3.14	8.66
March					3.90	1.00	4.32	1.63	.94	2.68	9.57
April94	.93	1.01	1.87	3.44	3.52	9.84
May					1.52	2.46	1.76	2.54	2.59	.38	7.27
June					2.09	.95	2.11	.97	.77	1.65	5.40
July					2.07	3.94	1.10	3.28	3.32	2.12	9.82
August					1.26	2.84	3.39	4.52	.82	2.56	11.29
September ..					1.21	2.01	1.25	1.92	4.72	1.43	9.32
October ...					3.43	1.66	1.79	3.11	3.42	1.33	8.34
November ..					2.31	2.80	2.12	4.29	1.47	2.28	10.20
December...					.70	6.26	4.62	3.08	.83	2.59	10.12
TOTALS ...					26.73	29.05	30.14	24.59	26.09	27.09	107.91 128

Inspected { New copper Snowdon, rather cheap looking, set in cement on little ridge 2ft high, 8ft E. of New River & close by the spring. Two plum trees on S.E. @ about 45° are to be removed and a new glass supplied.
C.S. 3.XII-13

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

RAINFALL at Ware (Chadwell Spring)

County of Hertfordshire

Observer Met. Water Board

River Basin Thames - Lea - ?

Type of Gauge

Annual Average 24.2 in. based on 19 years obs. un-weighted. Period of average 1881-1915

Ref. S
98389+ 1/2

Diameter	5'											TOTALS.
Height	1.0.											Means
Altitude	160											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940		
January	1.81	1.45	1.70	1.55	1.12	3.73	4.07	2.76	5.33	1.92	25.14	
February	1.44	1.14	1.30	1.11	2.88	1.86	3.63	1.52	1.75	1.44	14.04	
March	.00	1.75	2.33	2.33	1.45	1.90	2.49	1.29	1.62	2.57	14.65	
April	3.78	1.90	1.21	1.04	3.37	1.11	2.82	1.12	2.87	1.52	19.74	
May	2.72	3.73	2.00	.51	2.24	1.43	2.65	1.98	1.18	1.31	18.75	
June	1.35	.78	2.28	.85	3.02	4.24	1.63	1.48	1.65	.46	16.74	
July	2.99	2.04	1.15	.90	1.75	4.59	1.97	1.31	2.04	2.45	20.19	
August	4.51	3.49	.39	2.07	1.46	1.31	1.58	2.25	3.13	.01	19.20	
September	2.76	1.33	2.75	1.57	3.18	3.19	1.71	2.79	1.92	1.07	22.27	
October	1.46	1.11	1.53	1.19	3.38	1.79	2.24	2.72	5.05	3.14	25.61	
November	2.68	1.27	1.10	1.70	3.34	3.17	1.46	2.97	3.73	5.07	27.09	
December	.72	1.48	1.45	4.34	2.62	1.62	3.29	3.36	.95	1.27	19.10	
TOTALS	24.92	22.47	18.19	18.16	27.81	26.94	29.54	21.55	30.12	22.82	242.52	1/2

1931 Tree 10 ft. high 27 ft. N.E.

Inspected 5/5/34. Gauge should be moved off bank and set up in grass with rim 1ft above ground. Concrete now round gauge should be removed.

† Inspected 15/2/38 by Mr. Gennell. Gauge old but sound. Grass about 6" high to W of gauge but it is impractical to shift move to new site.

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						St. Mary's		N.E.

Station No. 957

RAINFALL at Ware (Whaddon Spring) ✓

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County of Hertfordshire

Observer Met. Weather Board

River Basin Thames & Sea 3

Type of Gauge

Annual Average 24.2 in. based on 19 years obs. un-weighted. Period of average 1931-1951 Ref. S

File No. 883294/22

Diameter	5"			242	523							
Height	1' 0"				1							
Altitude	140				41							
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	
January	2.39	2.05	4.06	1.42	1.78	1.29	1.61	3.80	1.25	1.25		Totals 20.90
February	2.25	1.89	1.04	1.14	1.40	1.74	1.40	1.04	1.17	3.41		15.48
March	2.60	1.35	5.52	1.14	1.49	1.21	4.17	1.74	1.93	1.63		12.78
April	1.14	1.16	1.25	1.44	1.18	1.29	1.18	1.29	1.66	1.72		13.31
May	1.49	2.42	1.92	1.03	1.67	2.08	1.69	2.19	1.86	1.76		17.11
June	1.25	1.15	1.20	1.53	1.50	1.89	2.23	2.30	1.58	1.29		13.92
July	2.59	1.81	1.09	1.54	2.57	2.53	1.88	1.45	2.94	3.37		21.77
August	3.83	1.55	1.38	2.07	1.88	3.51	1.11	2.77	1.41	2.27		17.78
September	.68	.98	1.60	2.30	2.22	3.78	1.05	1.59	.30	2.83		17.33
October	.74	3.52	2.22	3.07	2.42	.77	.06	1.88	5.02	.35		20.05
November	2.24	1.67	1.32	2.88	.12	3.96	.86	1.71	2.21	4.67		21.64
December	1.33	2.27	1.30	1.32	2.60	1.64	2.67	2.80	1.39	1.33		18.65
TOTALS	22.53	19.82	18.90	19.88	18.83	25.69	17.91	23.56	20.72	24.88		212.72

1945 n. low and 1946 up. low.

Inspected 11/1947 - Gauge leaking badly at seams. Will be repaired & reset on a rather better site (less risk of interference) 6 ft. to the south. 1947 up. low.

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.

Station No. 967

TF. 86

RAINFALL at Ware (CHADWELL SPRINGS)

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County of HERTFORDSHIRE

Observer MET. WATER BOARD

River Basin THAMES - LIE - 3

Type of Gauge (MK II on inspection.)

Annual Average 242 in. based on 19 years obs. un-weighted. Period of average 1881-1915 Ref. S
 " " 23.82 " " 8 " 1949-56. " " 196-1950 " 1955
 File No. E 3460/16
 1E 22626708

Diameter ...	5"		242	523								
Height ...	1' 0"											
Altitude ...	140'											
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means	TOTAL
January	2.47	1.78	1.03	2.72	2.22	3.37	2.71	2.12	2.05	2.07	18.80	
February	4.66	4.46	1.80	2.17	1.51	.45	2.51	2.67	.07	1.59	17.95	
March	2.96	2.37	.35	2.15	1.09	.75	1.23	1.02	2.03	.99	14.94	
April	2.79	1.48	2.35	2.71	.34	1.09	.22	1.18	2.38	.42	12.46	
May	2.38	1.01	1.26	1.79	4.27	.37	.61	2.53	.82	1.15	16.19	
June	1.06	1.47	1.54	3.33	2.33	2.86	1.83	3.16	1.22	1.58	22.38	
July	.69	.57	2.71	1.95	.10	3.44	3.33	3.06	2.22	2.66	20.73	
August	4.14	4.91	1.57	2.75	1.47	4.79	1.46	3.03	1.22	2.54	27.87	
September	3.26	2.26	1.84	1.32	1.59	1.71	2.59	3.20	.07	4.40	22.24	
October	.66	2.25	2.97	1.81	3.59	1.79	1.83	2.86	1.81	5.79	25.36	
November	4.19	3.67	1.19	3.91	.81	.62	1.98	1.74	2.52	3.17	23.80	
December	1.85	2.35	.48	1.37	1.87	3.05	1.96	2.54	3.96	2.63	22.06	
TOTALS ...	31.11	24.58	19.09	23.68	21.19	24.29	20.37	31.11	20.37	28.99	244.78	

No 17.11.53. Gauge sound. Slightly exposed to NW.

Inspected Sept. 1956. Gauge sound, measure certified. Site reasonable.

Inspected 1957. Satisfactory

Inspected 11.10.60 by Hollister. Site NE-W otherwise satisfactory.

Position of Station on Ordnance One-Inch map : No. of Map 161 National Grid Reference 62350137

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

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 imp 13	✓	✓	✓ imp 45-47	