

RAINFALL AT Ware Red House

80

Lat. _____

Lon. _____

County of *Herts*

Rain Gauge, by _____

Observer *L. Muir, Esq., C.E.*

S. Thames. Sec.

Diameter	<i>12</i>											
Height	<i>3.0</i>											
Altitude	<i>114 T</i>											
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.	
January	<i>.25</i>	<i>1.30</i>	<i>1.22</i>	<i>1.88</i>	<i>2.22</i>	<i>1.88</i>	<i>2.89</i>	<i>1.16</i>	<i>.69</i>	<i>.78</i>	<i>1.427</i>	
February	<i>1.97</i>	<i>2.79</i>	<i>1.52</i>	<i>3.30</i>	<i>1.02</i>	<i>2.57</i>	<i>.31</i>	<i>.59</i>	<i>.82</i>	<i>1.63</i>	<i>1.652</i>	
March	<i>.85</i>	<i>1.85</i>	<i>1.52</i>	<i>.84</i>	<i>1.35</i>	<i>1.02</i>	<i>1.43</i>	<i>1.29</i>	<i>2.98</i>	<i>1.62</i>	<i>1.475</i>	
April	<i>1.96</i>	<i>.94</i>	<i>3.26</i>	<i>1.45</i>	<i>.97</i>	<i>2.12</i>	<i>1.48</i>	<i>1.10</i>	<i>1.90</i>	<i>2.05</i>	<i>1.723</i>	
May	<i>.60</i>	<i>1.12</i>	<i>1.28</i>	<i>1.29</i>	<i>.37</i>	<i>2.40</i>	<i>4.52</i>	<i>2.19</i>	<i>.84</i>	<i>3.82</i>	<i>1.843</i>	
June	<i>2.29</i>	<i>1.95</i>	<i>2.11</i>	<i>2.30</i>	<i>2.54</i>	<i>2.04</i>	<i>.33</i>	<i>.73</i>	<i>2.78</i>	<i>2.00</i>	<i>1.907</i>	
July	<i>7.13</i>	<i>2.20</i>	<i>1.76</i>	<i>2.48</i>	<i>2.15</i>	<i>.51</i>	<i>2.26</i>	<i>.80</i>	<i>3.47</i>	<i>5.35</i>	<i>2.811</i>	
August	<i>1.19</i>	<i>4.21</i>	<i>1.70</i>	<i>1.65</i>	<i>.96</i>	<i>1.42</i>	<i>.87</i>	<i>1.77</i>	<i>3.46</i>	<i>1.77</i>	<i>1.900</i>	
September....	<i>3.27</i>	<i>1.84</i>	<i>2.57</i>	<i>3.09</i>	<i>1.32</i>	<i>3.53</i>	<i>1.36</i>	<i>2.54</i>	<i>.76</i>	<i>2.16</i>	<i>2.244</i>	
October	<i>4.71</i>	<i>2.44</i>	<i>5.17</i>	<i>1.60</i>	<i>1.09</i>	<i>4.25</i>	<i>2.76</i>	<i>1.80</i>	<i>1.02</i>	<i>3.06</i>	<i>2.789</i>	
November....	<i>2.16</i>	<i>2.06</i>	<i>3.27</i>	<i>3.04</i>	<i>1.65</i>	<i>3.04</i>	<i>2.73</i>	<i>2.99</i>	<i>4.18</i>	<i>1.00</i>	<i>2.612</i>	
December	<i>2.69</i>	<i>3.59</i>	<i>2.19</i>	<i>1.04</i>	<i>2.46</i>	<i>1.01</i>	<i>3.29</i>	<i>1.06</i>	<i>1.00</i>	<i>1.14</i>	<i>1.947</i>	
TOTALS	<i>29.07</i>	<i>26.29</i>	<i>27.57</i>	<i>23.96</i>	<i>18.10</i>	<i>25.79</i>	<i>24.22</i>	<i>18.02</i>	<i>23.90</i>	<i>26.38</i>	<i>24.330</i>	

1881. Ware $\frac{3}{4}$ m N.

House 28ft high 36ft N

Wall 7ft . 12ft W

.. 7ft . 12ft S.

RAINFALL AT Ware Red House

Lat. $51^{\circ} 46' N$

Lon. $0^{\circ} 6' W$

County of Herts

Rain Gauge, by

Observer

J Francis Esq C.E.

3- Thames. Sea.

Diameter	12			5							
Height	3 0			9						4 0	
Altitude	114 T			112 T							
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	2.10	1.93	.78	1.74	2.23	2.22	.59	1.99	.54	2.21	1.633
February ....	.73	.14	1.51	2.46	1.69	.32	.44	2.28	.83	1.58	1.198
March	2.40	1.45	1.11	.54	1.05	1.75	3.23	3.48	1.34	.68	1.703
April .....	.75	.80	.66	.10	1.24	1.17	.58	1.40	1.95	2.26	1.091
May	1.38	2.84	2.00	1.15	1.75	.71	.28	1.53	2.83	2.29	1.676
June	2.49	1.34	2.68	.53	1.82	.41	3.35	2.31	1.34	1.96	1.823
July	3.54	2.36	1.90	2.18	2.57	3.97	1.16	.41	.85	2.26	2.120
August	1.84	3.90	3.00	2.55	2.29	2.93	2.86	2.59	1.48	.69	2.113
September....	.40	.76	1.90	.78	1.32	.61	8.07	2.68	.36	2.16	1.904
October	1.31	4.99	3.90	3.20	2.96	2.10	2.85	.64	3.32	1.88	2.715
November....	2.48	1.98	1.95	2.33	3.30	3.46	1.22	.93	1.81	3.56	2.302
December ....	.39	3.97	1.44	2.23	1.82	1.93	3.29	2.23	2.10	1.33	2.073
TOTALS . . .	19.81	25.46	22.83	19.79	24.04	21.58	27.92	22.47	18.75	22.86	22.657

1892 Ware Church $\frac{3}{4}$ Mile N

Cottage 28 ft high 36 ft N

Wall 7 " " 12 " W

Wall 7 " " 12 " S

1893 Snowden gauge started

1899 gauge raised 4 ft

RAINFALL AT Ware Red House

Lat. $51^{\circ} 48' N$

Lon. $0^{\circ} 1' W$

County of *Herts*

Rain Gauge, by

Observer *J. Francis Esq. Ch.*

3. *Thames - Sea.*

Metropolitan Water Board

Diameter ..	5										
Height	4 0										
Altitude ..	112 ^T	115									
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	3.11	.56	.57	1.88	2.50	1.34	3.62	1.05	.96	.77	1.636
February ..	3.05	1.12	1.08	.91	2.79	1.02	1.86	1.29	1.12	.57	1.481
March ....	.62	2.01	1.31	2.89	1.24	2.76	1.33	.94	2.64	2.68	1.842
April	1.23	1.90	.55	1.33	.87	1.67	.41	2.71	2.35	1.76	1.478
May .....	.94	1.19	2.20	2.60	1.55	.99	.87	1.82	1.64	1.02	1.492
June	2.43	.89	2.45	5.10	.97	2.57	1.98	2.12	1.30	3.68	2.449
July	1.02	1.99	1.35	5.10	3.31	2.07	1.48	1.36	2.85	2.75	2.328
August	2.49	1.82	2.85	4.31	2.49	3.43	.66	1.66	2.67	1.92	2.430
September ..	.93	1.15	1.16	2.53	1.52	1.53	1.22	.55	1.21	1.95	1.385
October	1.78	1.85	1.11	5.84	1.23	1.39	4.28	2.81	1.31	3.21	2.481
November ..	1.85	.64	1.30	1.84	1.67	2.60	3.69	2.11	.88	.73	1.731
December ..	2.43	3.35	1.25	1.55	1.80	.85	2.43	3.00	1.90	2.81	2.137
TOTALS ..	21.88	18.47	17.28	35.88	21.94	22.22	24.83	21.42	20.93	23.85	22.870

1901 *Gr Anwell Church* $\frac{3}{4}$ mile SE

Wall 6 ft high 11 ft S.E.

Cottage 25. 30. N.W.

1903 *Ware Station* 3 furlongs N.W.

Hills

RAINFALL at Ware Red House

County of HertfordshireObserver Met Water BoardRiver Basin Thames-Sea 3imbedCopper Snowden Rain Gauge, by Casella

5.00	5.00	5.00	5.00
5.00	5.00	5.00	5.00
5.00	5.00	5.00	5.00
4.97	4.97	4.97	4.97

Diameter ...	5											
Height	4.0		1.0									
Altitude ...	115 T											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	
January ...	1.66	1.23	3.39	2.53	.81	3.10	1.50	1.29	2.55	3.23		Total 16.19 8.57
February ...	2.78	1.42	1.51	.80	2.21	3.05	3.24	.61	.75	2.93		7.53
March .....	.79	1.82	3.09	2.05	3.90	1.01	4.00	1.49	.89	2.49		8.87
April	1.51	1.05	.08	2.42	.87	.90	1.06	1.89	3.44	3.67		10.06
May	2.17	2.14	.82	1.59	1.45	2.34	1.75	2.18	2.35	.46		6.74
June	3.40	2.21	2.95	1.46	1.88	.82	2.05	.81	.72	1.46		5.04
July	1.65	.94	1.16	1.60	2.40	3.56	1.05	3.14	3.48	2.18		9.35
August	2.46	.40	6.64	1.19	1.81	3.17	3.69	4.39	.85	2.54		11.47
September ..	.49	1.75	2.33	1.14	1.18	1.89	1.40	1.77	4.97	1.41		9.55
October ...	1.66	2.64	2.18	3.57	1.53	1.62	3.07	3.35	1.27	.46		8.15
November ...	3.22	2.97	2.21	2.23	2.92	2.03	4.19	1.44	2.19	2.20		10.02
December ...	3.69	4.56	3.21	.72	6.10	4.70	2.77	.81	2.44	3.71		9.73
TOTALS ...	25.48	23.14	29.58	21.30	26.56	28.20	29.77	23.17	25.90	26.74		105.55
	D	2	2	2	2	D	D	2	2	D		24.11



Inspected CB. 3.11.13. Old but sound g. rather dented. Fixed in cement block at 1 ft. Rose bush, 3-4 ft away & garden wall SW @ about 30°. Fair but rather sheltered exposure. House 25 ft high 35 ft NW.

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

RAINFALL at Ware, Red HouseCounty of HertfordshireObserver Met. Water BoardRiver Basin Thames-Sea 3.

(Northern Dist.)

Copper Snowdon Rain Gauge, by Gasella-7074

R. E. Morris.

23 4 in. small tank.
Tunnel slightly overbuilt but requires to. 449,500, 449,50222 glass float valve tested in 1913
25 under glass 220 x 561 cells.

Diameter ...	5	5										
Height	1	0	1.0									
Altitude ...	115	-				105						
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	
January ...	2.03	2.01	3.02	1.23	2.67	2.06	2.68	1.59	2.92	1.49	2.13	Total 23.83
February ...	.28	.09	1.90	2.88	.74	2.96	2.61	3.46	1.49	.59	.52	17.52
March	1.33	1.11	1.76	1.64	.93	.78	.09	1.99	2.01	.02	1.77	13.43
April	3.19	1.37	2.12	1.27	3.00	1.13	2.41	1.57	.95	1.44	2.45	20.90
May .....	.62	.76	.89	1.28	3.51	1.62	1.69	.95	1.29	1.39	2.82	16.82
June	1.56	.26	1.20	.73	1.99	.16	3.14	3.80	2.41	.66	2.34	18.25
July	3.87	.20	2.92	1.83	4.59	4.25	2.49	2.21	2.43	2.29	2.19	29.27
August	1.10	1.12	1.87	2.18	1.51	2.79	.99	2.98	2.17	.89	2.06	19.66
September...	2.26	1.88	2.81	1.38	2.77	3.23	3.18	4.56	.64	.43	3.23	26.37
October	1.09	.79	.87	4.34	3.54	2.96	2.04	2.29	3.41	3.28	.98	25.59
November...	.93	2.08	1.13	1.50	2.77	1.40	4.33	2.28	2.40	5.69	3.48	27.99
December...	2.16	1.36	2.50	2.59	3.01	1.79	.25	2.93	2.51	4.91	2.34	26.35
TOTALS...	20.42	13.03	22.99	22.85	31.03	25.13	25.90	30.61	24.63	23.08	26.31	265.98
	D	D	D	D	D	D	D	D	D	D	D	266

1920 Gauge inspected G.S. 1913. see East sheet.

Inspected G.S. 6.2.22 4 in. small garden, summer house 6 ft. high 8 ft. W.
wall behind 10 ft. W & 5 ft. high. narrow house end 30 ft. high 30 ft. N;
new River is 8 ft. E; quite a good site although sheltered.Inspected 3 ft. 6.11.23. Summerhouse stands at angle of 45° with g. & placed, if possible, to
moved a few yards N. or S. G. is close to river bank in narrow strip of garden bounded by high wall.Inspected 3 ft. 28.1.25 inspection on other side of river ~~not~~ cancelled.

- do - 28/2/27 see green file

1929 Iron fence, 3' 6" high 18' E
Wall 5' 6" high 28' S
House 24' high 48' W

1930 4. dead 10 am. in wind. in summer garden.

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
1929						St. Mary's	1166 yds	N

RAINFALL at Ware (Red House)County of HertfordshireObserver Met. Water Board.River Basin Thames-Lea-3

Type of Gauge.....

Annual Average 23.5 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. S.

89389+28

Diameter	5.										
Height	1.0.										
Altitude	105.		742								
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Totals Means
January	1.57	1.54	1.77	1.63	1.33	3.65	3.85	2.58	5.32	2.25	25.49
February	1.55	.13	1.28	.13	2.93	1.79	3.49	.52	.72	1.53	14.07
March	.06	1.52	2.15	2.14	.48	.86	2.51	.30	1.72	2.49	14.23
April	3.78	1.95	1.11	1.12	3.37	1.14	2.78	.07	2.69	1.50	19.51
May	2.74	3.70	1.98	.53	2.13	.41	2.91	2.00	1.15	1.21	18.76
June	1.60	.79	2.76	1.06	3.04	3.69	1.53	.51	1.62	.44	17.03
July	2.89	1.84	.87	.85	.61	4.39	1.76	1.20	1.98	2.35	18.74
August	3.79	3.16	.41	1.96	1.48	.26	1.52	3.46	3.83	.04	19.91
September	2.63	1.43	2.45	1.82	3.43	2.77	1.87	2.95	1.90	1.24	22.49
October	.46	4.23	1.60	1.23	3.12	1.57	2.08	2.58	4.90	3.12	24.89
November	2.64	1.30	.98	1.61	3.35	3.09	1.47	2.96	3.46	6.46	27.82
December	.79	.50	.47	4.27	2.58	1.72	3.29	3.34	1.14	1.35	19.46
TOTALS	24.50	22.09	17.83	18.34	27.85	25.34	29.06	22.47	30.93	23.98	242.39

1931. Iron fence 3 ft. 6 in. high 8 ft. E.

Wall

5.6 ..

28. S.

house

24.0 ..

48. W.

15/2/38 by Mr. Bennett. Gauge found & correct ht.

+ inspected 440 Jan past ctd.

Inspected. 5/2/34 Concrete round gauge should be removed and better set up with rim 1ft above ground.

Position of Station on reduced Ordnance Survey Map, } No. of Map.....

1 mile to 1 inch Series

Reference No.....

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge
1931						St. Marys	1166 yds.	N.

RAINFALL at Ware (Red House)

41

County of Hertfordshire

Observer Met. Wren Board

River Basin Thames Lea 3

Type of Gauge

Annual Average 33.5 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref S.

File No. 883294.22

Diameter	5"			2.42	5.47							
Height	1' 0"				1							
Altitude	105'				41							
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	
January	2.75	2.19	4.34	1.41	1.75	1.79	1.77	3.89	1.29	1.35		Total 22.56
February	2.35	.89	1.19	1.06	1.48	2.52	1.40	1.05	1.21	3.45		16.60
March	2.73	1.49	.54	.13	.64	1.04	4.94	.79	.88	.71		13.89
April	1.24	1.31	1.43	1.42	1.30	1.54	1.71	1.34	1.66	1.81		14.76
May	1.81	2.75	1.94	.79	1.82	2.10	.86	2.12	1.94	1.72		17.85
June	1.09	.16	1.54	1.66	1.67	2.06	2.76	2.36	.73	1.43		15.46
July	3.03	1.93	1.31	1.78	2.92	2.89	2.10	1.49	3.00	2.56		24.0
August	4.68	1.69	1.48	2.54	.96	3.64	.09	2.75	1.57	1.98		21.38
September	.87	1.18	1.80	2.54	2.17	3.91	1.18	1.56	.34	2.98		18.53
October	1.00	3.94	2.52	3.26	2.68	.89	.10	1.91	5.38	.38		22.06
November	2.39	1.76	1.33	3.11	.10	4.15	.96	1.71	2.14	4.72		22.37
December	1.65	2.79	1.37	1.38	3.06	1.86	2.59	2.58	1.49	1.41		20.18
TOTALS	25.59	22.08	20.82	21.08	20.55	28.39	20.46	23.55	21.63	25.50		227.65

Inspected 11/9/47 - Site unchanged : gauge sound. S.B.

204.15

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

RAINFALL at

County of MERTONSHIRE

River Basin THAMES-LEE-3

Type of Gauge. (M&I inspection 1986)

Annual Average 23.5 in. based on 35 years obs. un-weighted.

Period of average 1881-1915 Ref. 5

File No. E 22624/58 E 3460/46

Diameter	...	5"			242	547						
Height	...	1' 0"				1						
Altitude	...	105'				51						
Year	...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means- Total
January	...	2.51	1.89	1.09	(.90)	2.09	3.21	.88	2.20	2.10	2.09	18.96
February	...	4.60	.53	1.84	2.14	1.57	.40	2.55	2.77	.08	1.62	18.10
March	...	3.04	2.46	.38	2.07	1.21	.78	1.28	.92	2.06	.99	15.19
April	...	2.84	1.74	2.52	.21	.35	1.10	.17	1.23	2.32	.43	12.91
May	...	2.44	.83	1.20	1.80	4.36	.38	.56	2.46	.99	1.16	16.18
June	...	1.20	1.52	1.54	2.95	2.15	2.88	1.84	5.48	1.25	1.75	22.52
July	...	.74	.54	3.02	2.03	.14	3.43	3.70	3.13	2.10	2.83	21.66
August	...	4.68	4.59	1.66	2.78	1.57	4.67	1.46	3.13	1.39	2.72	28.65
September	...	3.29	2.27	1.82	1.35	1.64	1.64	2.70	3.14	.06	4.13	22.04
October	...	.70	2.19	3.01	1.87	3.65	1.96	1.88	2.89	1.90	5.47	25.52
November	...	4.00	3.57	1.24	3.89	.72	.67	1.98	1.76	2.40	3.08	23.31
December	...	1.82	2.49	.50	1.38	1.94	2.87	2.01	2.52	4.01	2.76	22.30
TOTALS	...	31.86 D	24.62 D	19.82 D	23.37 D	89 21.39 D	150 23.95 D	87 21.01 D	132 31.62 D	86 20.66 D	121 29.03 D	247.34

1.2.54 In. 17.11.54. Ground measure, Gage S18
 Gage transferred to Anwell End Pumping Station. SAME STA. No.
 1954 Sun Oct 19.03(b) 10004
 Inspected Sept 1956 M. Dallas. Gage sand measure at. fied. Site around
 Recommended removal of mound from position now S2/361139
 Insk. IL1458 BOK. Tree 30'; 33' SW otherwise satisfactory
 Inspected 11-10-60 by H.H. Butler. Tree 30'-40' SW otherwise satisfactory. Rec. more 12-15 yds ESE on present tree.
 TL(52) 361139

Position of Station on Ordnance One-Inch map : No. of Map 161 National Grid Reference 2/365134

[illegible]

Summary of Earlier Records from 10-year Sheets :

1916-1950, P-accepted

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