

RAINFALL AT Otterbourne W.W. Shawford

Lat. _____

Lon. _____

County of Hants

Rain Gauge, by _____

Observer W Matthews Esq. C.E.

Diameter . . .			5									
Height			10									
Altitude			113									
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January . . . .			.86	1.70	3.11	2.90	.84	2.30	.51	3.25		
February . . . .			.81	3.96	1.85	.12	.38	3.63	1.39	2.65		
March . . . . .			.91	.30	1.57	1.42	3.05	4.25	.75	.35		
April . . . . .			.66	.06	1.84	2.10	.64	1.86	1.43	2.51		
May . . . . .			.80	.68	2.06	.23	.17	1.49	3.14	.90		
June			1.30	.75	2.18	1.32	1.62	1.91	1.59	1.20		
July			2.22	4.37	6.13	3.19	.55	.94	.49	.96		
August			3.32	.94	2.01	2.00	2.74	4.62	.97	.65		
September . . .			3.00	1.50	1.80	.51	6.07	2.51	1.12	2.79		
October			4.39	4.32	4.66	2.31	2.38	.73	4.36	2.17		
November			2.95	2.15	4.52	4.58	.91	1.03	4.69	4.17		
December			1.53	2.97	2.65	2.12	3.93	3.74	3.27	1.27		
TOTALS			22.75	23.70	34.38	22.80	23.28	29.01	23.71	22.87		

1892 Otterbourne Church. $\frac{4}{5}$ Mile W.S.W.
 Hedge 4'6" high 43'0" E
 Shed 8'0" " 75'0" S.W.

RAINFALL AT *Otterbourne W.W. Shawford*

Lat. _____

Lon. _____

County of *Hants*

Rain Gauge, by _____

Observer *W. Matthews Esq. C.E.*

M

Diameter			5								
Height			1 0								
Altitude			115 π								
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January			<i>.88</i>	<i>1.68</i>	<i>3.12</i>	<i>2.97</i>	<i>.81</i>	<i>2.33</i>	<i>.46</i>	<i>3.28</i>	
February			<i>.79</i>	<i>3.98</i>	<i>1.79</i>	<i>.11</i>	<i>.33</i>	<i>3.69</i>	<i>1.42</i>	<i>2.69</i>	
March			<i>.89</i>	<i>.33</i>	<i>1.56</i>	<i>1.47</i>	<i>3.02</i>	<i>4.29</i>	<i>.73</i>	<i>.37</i>	
April			<i>.61</i>	<i>.03</i>	<i>1.80</i>	<i>2.06</i>	<i>.72</i>	<i>1.85</i>	<i>1.49</i>	<i>2.56</i>	
May			<i>.77</i>	<i>.62</i>	<i>2.01</i>	<i>.27</i>	<i>.16</i>	<i>1.51</i>	<i>3.19</i>	<i>.97</i>	
June			<i>1.22</i>	<i>.68</i>	<i>2.15</i>	<i>1.30</i>	<i>1.63</i>	<i>1.88</i>	<i>1.63</i>	<i>1.25</i>	
July			<i>2.21</i>	<i>4.32</i>	<i>6.21</i>	<i>3.17</i>	<i>.52</i>	<i>.97</i>	<i>.51</i>	<i>.98</i>	
August			<i>3.36</i>	<i>.92</i>	<i>2.03</i>	<i>2.07</i>	<i>2.82</i>	<i>4.68</i>	<i>1.01</i>	<i>.69</i>	
September....			<i>3.02</i>	<i>1.47</i>	<i>1.79</i>	<i>.55</i>	<i>6.12</i>	<i>2.57</i>	<i>1.05</i>	<i>2.78</i>	
October			<i>4.33</i>	<i>4.31</i>	<i>4.63</i>	<i>2.25</i>	<i>2.40</i>	<i>.75</i>	<i>4.39</i>	<i>2.20</i>	
November....			<i>2.92</i>	<i>2.11</i>	<i>4.46</i>	<i>4.56</i>	<i>.89</i>	<i>1.05</i>	<i>4.66</i>	<i>4.21</i>	
December			<i>1.52</i>	<i>2.93</i>	<i>2.65</i>	<i>2.10</i>	<i>4.02</i>	<i>3.78</i>	<i>3.32</i>	<i>1.29</i>	
TOTALS			<i>22.52</i>	<i>23.38</i>	<i>34.20</i>	<i>22.88</i>	<i>23.44</i>	<i>29.35</i>	<i>23.86</i>	<i>23.27</i>	

1892 Otterbourne Church $\frac{1}{2}$ Mile W.S.W

Hedge 4' 6" high 43' 0" E

Shed 8' 0" " 75' 0" N.W

RAINFALL AT Otterbourne W.W. Shawford

Lat. Lon. County of Hampshire
Bradford Rain Gauge, by Observer W. Matthews Esq. C.E.
Monthly C. H. Roberts Esq. C.E.

Diameter ..	5										
Height	1	0									
Altitude ..	113	7									
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	3.42	1.42	.88	2.61	3.89	.73	5.39	.54	1.66	1.17	2.171
February ..	4.89	1.38	1.53	1.70	3.42	.54	2.64	1.44	1.16	.30	1.900
March	1.33	2.01	2.36	3.32	1.56	3.85	1.11	.51	3.11	3.77	2.293
April	1.07	2.26	2.14	2.40	.97	1.41	.52	3.55	2.11	1.20	1.763
May	1.45	1.07	2.96	3.24	3.34	.23	1.97	2.10	1.83	1.48	1.967
June	2.81	1.49	3.39	3.54	1.06	4.69	1.85	1.42	1.62	4.68	2.655
July .....	.91	4.57	1.35	2.70	1.22	.59	.49	1.08	1.87	3.00	1.778
August	2.92	3.49	2.89	3.47	3.39	2.35	.96	1.96	3.53	2.20	2.716
September..	.63	2.54	1.21	2.61	1.75	1.34	1.09	.64	1.62	3.40	1.683
October....	2.24	2.83	1.95	8.92	1.87	2.24	4.98	5.77	1.34	7.77	3.991
November..	2.97	.52	2.97	1.66	1.09	3.86	4.04	2.54	1.25	.56	2.146
December..	3.94	4.08	1.94	3.14	3.72	.58	1.78	4.32	3.06	4.00	3.056
TOTALS ..	28.58	27.66	25.57	39.31	27.28	22.41	26.82	25.87	24.16	33.53	28.119

1908 Otterbourne Church 3/4 mile S.W.
 Shawford Station 1 " N

RAINFALL AT Otterbourne W. W. ShawfordLat. Lon. County of HampshireRain Gauge, by Snowdon Observer W. M. Andrews Esq. C.E.
C. H. Roberts Esq. C.E.

Diameter ..	5										
Height	1	0									
Altitude ..	113	ft									
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	3.40	1.37	.87	2.64	3.86	.72	5.32	.53	1.64	1.07	2.142
February ..	4.85	1.35	1.49	1.62	3.38	.53	2.62	1.42	1.13	.39	1.878
March	1.29	2.11	2.32	3.36	1.51	3.83	1.09	.50	3.14	3.66	2.281
April	1.02	2.21	2.09	2.44	.96	1.39	.53	3.50	2.07	1.05	1.726
May	1.43	1.09	2.90	3.27	3.31	.24	1.95	2.13	1.50	1.51	1.933
June	2.76	1.45	3.36	3.50	1.02	4.66	1.88	1.39	1.22	4.79	2.603
July .....	.89	4.53	1.37	2.65	1.19	.56	.51	1.06	2.03	3.03	1.782
August	2.88	3.45	2.86	3.42	3.35	2.37	.93	1.93	3.37	2.17	2.673
September..	.62	2.50	1.19	2.55	1.70	1.37	1.08	.63	2.16	3.50	1.730
October....	2.26	2.84	1.91	5.84	1.85	2.21	4.94	5.73	1.31	7.70	3.959
November..	2.92	.50	2.95	1.65	1.07	3.89	4.02	2.52	1.19	.56	2.127
December..	3.91	4.09	1.92	3.12	3.69	.59	1.75	4.28	2.84	3.71	2.990
TOTALS ..	28.23	27.49	25.23	39.06	26.89	22.36	26.62	25.62	23.60	33.14	27.824

1908 Otterbourne Church 3/4 mile SW
Shawford Station 1 " N

RAINFALL at Ottoburne W.W. ShawfordCounty of HampshireObserver C.H. Roberts Esq C.E.E.C. Rodda Esq C.E.River Basin Itchen + Spithead 5

Rain Gauge, by

Diameter ...	5										
Height	10										
Altitude ...	113 K										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	2.77	1.13	3.32	4.48	.65	4.52	1.34	1.58	3.67	4.75	
February ...	3.42	1.46	2.72	1.32	4.59	5.52	5.42	1.22	1.71	2.83	
March .....	.86	2.28	3.64	3.38	3.98	1.11	3.49	3.10	1.04	5.23	
April	2.85	1.68	.02	2.38	1.02	1.15	.54	2.14	2.77	2.10	
May	2.00	1.87	1.26	2.81	1.41	3.90	1.65	1.70	1.95	.60	
June	2.55	1.61	4.88	.50	.24	.91	1.64	4.40	1.02	.78	
July	1.86	.12	1.82	1.35	2.71	4.87	1.05	4.38	5.24	2.56	
August	2.16	.39	6.44	1.46	2.68	1.68	3.73	5.02	2.36	2.86	
September ..	.16	.96	2.62	2.62	1.29	3.26	2.35	2.06	5.66	2.89	
October ...	4.59	4.04	3.37	3.94	2.16	3.84	6.47	4.54	1.56	.85	
November ..	3.05	3.61	1.89	3.41	3.53	2.94	4.93	.78	3.34	2.15	
December ...	4.72	8.29	4.16	2.16	8.81	7.76	4.28	1.39	2.92	5.95	
TOTALS ...	31.03	27.44	36.14	29.81	33.17	41.46	36.89	32.31	33.24	33.55	

TOTALS
 16.19
 11.34
 11.18
 12.86
 7.55
 5.90
 7.74
 13.23
 13.77
 12.96
 13.42
 11.20
 14.54
 135.97

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
	51.0.30 N	1.20. W	Shawford					

RAINFALL at Otterbourne W.W. HawfordCounty of HampshireObserver C. H. Roberts Esq. C.E.River Basin Stem + Spithard

Rain Gauge, by _____

M

Diameter ...	5											
Height	1.0											
Altitude ...	113 π											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	
January ...	2.88											
February ...	3.86											
March .....	.88											
April	3.00											
May	2.00											
June	1.87											
July	1.91											
August	2.18											
September ..	.13											
October ...	4.75											
November ...	3.33											
December ...	5.27											
TOTALS ...	32.06											

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

RAINFALL at Otterbourne N.W. ShawfordCounty of Hampshire Observer E. C. Rodda Esq. C.E.River Basin Itchen & Spithead 5- Waterworks Eng. (Seton)Snowdon Rain Gauge, by _____

Diameter ...	5"											
Height	1 0											
Altitude ...	113											
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 MEANS.	Totals.
January ...	3.56	3.25	4.92	1.81	3.14	3.62	5.14	2.24	5.43	1.51	4.57	37.19
February ...	.66	.27	3.34	6.04	.48	4.30	2.05	4.22	2.38	1.09	1.16	25.99
March	2.32	1.29	2.63	1.76	1.40	.43	.62	3.45	2.90	.09	1.36	18.25
April	3.36	1.29	3.79	2.77	3.11	3.05	3.21	1.92	1.76	.84	2.48	27.58
May	1.15	1.73	.97	1.99	3.24	3.22	1.36	.71	1.11	1.99	1.96	17.43
June	2.44	.08	1.49	.36	2.35	.31	2.47	2.85	2.54	1.79	.44	17.12
July	6.34	.81	4.70	1.11	4.62	3.31	1.43	3.19	1.43	1.86	2.02	30.82
August	2.03	2.34	2.54	2.24	3.17	3.45	1.09	3.80	2.24	1.69	3.74	28.53
September...	1.33	.99	1.67	2.00	5.17	3.07	.69	6.37	1.17	.29	3.24	25.99
October	3.74	.73	1.29	5.82	4.22	3.47	2.13	1.94	7.20	4.57	2.01	37.12
November...	1.83	2.39	1.99	1.80	2.76	2.61	6.88	3.86	2.67	8.74	4.85	40.38
December...	2.77	1.66	4.56	3.51	5.55	3.37	.35	3.73	2.85	7.13	3.91	37.39
TOTALS...	31.53	16.83	34.19	31.21	39.21	34.21	27.42	38.28	33.68	31.49	31.74	347.79
	D	D	D	D	D	D	D	D	D	D	D	D

1926. Line Kieno 20 ft high 150 ft. N.W.

.. Pumping Station 50 .. 250 .. 8.

1925 Inspected 4/7/29 by 9 Glasspool & Co. New
file.

Position of Station on reduced Ordnance Survey Map, 2 miles to 1 inch Series			No. of Map	Reference No.					
Date.	Lat. N.	Long. W.		Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge	Direction
1920	51° 0' 30"	1° 20'	Shawford						
1926			..	1½ m	N	Otterbourne	¾ m	S. W.	

RAINFALL at Otterbourne W.W.County of HampshireObserver E. C. Rodda, Esq., C.E.River Basin Itchen & Spithead 5J. Harkley (1933)Type of Gauge SnowdonO.B.E.

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

814811/27

Diameter	5											
Height	1	0										
Altitude	113											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Totals Months	
January	2.22	2.71	2.18	2.86	.78	5.69	6.69	3.63	5.87	3.22	35.90	
February	2.21	.13	4.20	.16	3.97	3.22	5.74	.66	1.84	3.74	25.87	
March .....	.56	2.12	4.05	3.32	.92	2.35	3.86	.33	1.23	3.00	21.74	
April	3.37	3.13	1.21	2.36	3.92	2.28	2.40	.01	1.82	1.32	21.62	
May	3.05	5.80	2.30	.97	1.74	.32	3.09	1.91	1.10	.56	20.24	
June	1.96	1.30	2.27	1.66	4.70	3.95	2.07	.64	2.48	.31	21.94	
July	3.54	3.21	2.16	.77	1.55	3.53	1.29	2.51	4.65	3.52	26.78	
August	6.63	1.81	1.02	3.31	2.71	.26	1.38	1.70	1.92	.15	20.89	
September	2.44	3.32	4.16	2.42	4.50	4.29	1.70	1.18	1.09	1.68	26.78	
October .....	.73	5.45	1.87	1.78	5.06	1.59	3.26	3.51	5.56	4.37	33.18	
November	3.72	2.04	0.75	2.51	7.69	3.66	2.39	3.00	6.10	8.59	42.45	
December .....	.57	1.46	0.99	9.68	4.05	3.75	4.19	4.12	2.13	2.34	33.28	
TOTALS	31.00	33.08	27.16	31.80	40.99	34.94	38.06	25.25	35.79	32.80	330.87	

1931. Lime Kilns. 20' high, 150' N.W.
 Pumping Station 50' " " 250' S.

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			Shaftesbury	1½ m.	N.	Otterbourne	¾ m.	S.W.

RAINFALL at Otterbourne W. W.

41

County of Hampshire Observer J. Haulsley, Esq. O.B.E.

River Basin Gichen & Spithead S.

Type of Gauge Snowdon

Annual Average 30.7 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref.

" " 30.5 in. computed by Mr. Gurnish (1936) File No. 814811/27

Diameter	5"				225	436						
Height	1' 0"					1						
Altitude	113'					41						
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	
January	3.06	3.76	5.97	2.94	1.91	3.03	2.63	5.26	.92	.81		Total 30.29
February	2.96	.50	1.49	.65	2.56	3.10	1.57	1.32	1.22	3.88		19.25
March	4.05	2.59	.61	.28	.82	1.07	7.24	1.10	1.56	2.01		21.33
April	2.41	2.19	.87	1.58	1.33	2.25	2.60	1.90	1.66	2.41		19.20
May	2.13	3.23	3.62	.44	2.70	4.02	1.27	2.86	3.16	1.35		24.78
June	1.27	.32	1.08	2.78	3.05	3.89	1.52	2.53	.65	1.43		18.52
July	2.48	1.96	2.49	2.64	1.99	1.32	1.61	1.45	.68	4.49		21.11
August	4.33	3.54	1.55	2.59	1.80	4.82	.77	3.85	1.09	4.45		28.79
September	.87	2.32	1.57	2.12	2.06	4.67	2.02	2.94	2.21	4.43		25.21
October	1.35	4.10	3.93	4.79	3.53	1.39	1.54	1.95	7.55	.54		30.67
November	3.04	1.70	1.77	5.75	.35	7.11	1.48	1.67	3.76	5.99		32.62
December	2.86	3.89	2.17	3.18	4.54	3.82	2.90	4.49	1.98	2.36		32.19
TOTALS	30.81	30.10	27.12	29.74	26.64	40.49	27.15	31.32	26.44	34.15		303.96

1941. Line Ribs 20' high 150' NW. Pumping station 50' high 250' S.

1946

Coal stacks 12' high 30' S.

22.3.48. Proposed by J. Wadsworth. Exposure fairly open but it is proposed to move 200 yds. W. where it would be a little more open. (details on f. 814811/27).

269.81

Appears to have started falling in 1950. → 1950

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			Shawford	1 1/2 m.	N	Otterbourne	3/4 m.	S.W.

BRITISH RAINFALL ORGANIZATION

RAINFALL at OTTERBOURNE (Waterworks)

51

County of HAMPSHIRE

Observer J. HAWKSWORTH Esq. O.B.E.

River Basin ITCHEN and SPITHEADS

L. A. Bradley Esq. B. L. from 1.5.57

Type of Gauge SNOWDON

Annual Average 30.7 in. based on 35 years obs. unweighted. Period of average 1881-1915 Ref.

30.5 in. computed by the Cornish (1936) File No. 814811/27
ref. 561245/36

32.02 in. based on 35 yrs 1916-1950

32.02 in based on 25 yrs 1916-1950											
Diameter ...	5"					325	736				
Height ...	1'0"							1			
Altitude ...	113'							51			
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means Totals
January ...	3.08	2.65	1.26	2.76	3.73	4.83	2.66	4.38	3.67	4.54	33.56
February ...	5.80	.64	1.70	3.48	1.87	.25	4.37	2.81	.13	2.94	23.99
March ...	4.62	3.44	.83	3.23	1.43	.77	2.41	1.87	3.61	2.14	24.35
April ...	2.99	2.02	2.67	.48	.55	1.93	.18	.67	2.98	1.33	15.80
May ...	2.86	2.97	2.86	1.72	4.92	.36	1.41	2.14	.53	.90	20.67
June ...	1.20	1.38	2.35	3.45	2.88	2.05	1.61	3.72	.97	2.75	22.36
July ...	2.87	.28	3.69	3.33	.75	3.12	4.82	1.62	1.87	4.36	26.71
August ...	5.50	3.45	3.25	4.43	.50	4.33	3.58	3.77	2.91	4.46	36.18
September ...	4.07	3.12	3.71	3.77	1.97	4.74	3.22	5.28	.07	5.16	35.11
October ...	1.07	5.05	5.01	3.50	4.81	3.31	2.36	3.00	3.13	8.26	39.50
November ...	9.36	4.13	1.44	6.12	2.73	.82	2.86	3.07	3.58	5.00	39.11
December ...	3.11	3.07	1.08	3.22	4.62	5.72	2.82	4.57	7.42	4.42	40.05
TOTALS ...	46.53	32.20	29.85	39.49	30.76	32.23	32.30	36.40	30.87	46.26	357.39
	D	D	D	P	D	D	D	D	D	D	

1951 time gauge at high 150' NN. Station at high 250' S. Coal stack 12' high 25' S. Imported 26.11.56. Mr. Davis. Gauge sound, means feet built; site of SE but protected (at times presumably) by stack of coal. (New site not received in this office of SW). Further new site chosen by me at 4/1/66 235.

Position of Station on Ordnance One-Inch map:

No. of Map.....

National Grid Reference SU (41) 465235

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge.	Direction from gauge.
1951			Shaftesbury	1 mi.	N.	Otterbourne	3/4 mi	S.W.

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
	✓	✓	✓	✓	✓