

RAINFALL AT Droitwich Tolt Lock

Lat. _____

Lon.

County of _____

Worcester

Rain Gauge, by

Abstract

A. J. Marten, Esq., C.E.

Severn. Right Hand--1

[illegible]

RAINFALL AT *Droitwich, Holt Lock*

2390
80

Lat. _____

Lon. _____

County of *Worcester*

Rain Gauge, by _____

Observer *A. J. Marten, Esq., C.E.*

Season, *R-1.*

Diameter	<i>5"</i>											
Height	<i>1.1</i>											
Altitude	<i>55 ft</i>											
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.	
January	<i>37</i>	<i>59</i>	<i>200</i>	<i>3.15</i>	<i>2.87</i>	<i>1.68</i>	<i>3.19</i>	<i>2.65</i>	<i>.71</i>	<i>.57</i>	<i>1.787</i>	
February	<i>2.83</i>	<i>3.66</i>	<i>2.68</i>	<i>2.80</i>	<i>1.30</i>	<i>2.86</i>	<i>1.15</i>	<i>.44</i>	<i>.64</i>	<i>1.32</i>	<i>1.948</i>	
March	<i>1.24</i>	<i>1.60</i>	<i>1.28</i>	<i>1.11</i>	<i>2.10</i>	<i>1.15</i>	<i>2.63</i>	<i>1.08</i>	<i>2.26</i>	<i>2.54</i>	<i>1.699</i>	
April	<i>1.19</i>	<i>.88</i>	<i>3.21</i>	<i>.71</i>	<i>.95</i>	<i>2.46</i>	<i>1.93</i>	<i>.90</i>	<i>.92</i>	<i>3.76</i>	<i>1.691</i>	
May	<i>1.99</i>	<i>1.67</i>	<i>2.71</i>	<i>.78</i>	<i>1.33</i>	<i>3.26</i>	<i>5.70</i>	<i>1.86</i>	<i>.66</i>	<i>3.40</i>	<i>2.335</i>	
June	<i>3.91</i>	<i>2.40</i>	<i>2.73</i>	<i>2.12</i>	<i>2.46</i>	<i>2.78</i>	<i>1.35</i>	<i>1.62</i>	<i>2.46</i>	<i>.86</i>	<i>2.269</i>	
July	<i>5.20</i>	<i>1.46</i>	<i>2.72</i>	<i>2.96</i>	<i>3.00</i>	<i>.14</i>	<i>2.91</i>	<i>1.09</i>	<i>4.65</i>	<i>1.54</i>	<i>2.567</i>	
August	<i>.23</i>	<i>4.32</i>	<i>2.27</i>	<i>1.04</i>	<i>1.80</i>	<i>4.76</i>	<i>1.73</i>	<i>1.53</i>	<i>2.62</i>	<i>3.13</i>	<i>2.343</i>	
September ...	<i>3.29</i>	<i>1.90</i>	<i>2.15</i>	<i>4.36</i>	<i>1.36</i>	<i>3.65</i>	<i>2.95</i>	<i>1.25</i>	<i>.67</i>	<i>1.55</i>	<i>2.313</i>	
October	<i>4.79</i>	<i>2.47</i>	<i>4.97</i>	<i>2.45</i>	<i>.80</i>	<i>3.34</i>	<i>3.26</i>	<i>2.54</i>	<i>.55</i>	<i>2.42</i>	<i>2.759</i>	
November	<i>1.73</i>	<i>2.41</i>	<i>3.58</i>	<i>4.26</i>	<i>1.54</i>	<i>3.31</i>	<i>1.93</i>	<i>2.44</i>	<i>5.29</i>	<i>1.03</i>	<i>2.752</i>	
December	<i>2.91</i>	<i>2.31</i>	<i>2.86</i>	<i>.64</i>	<i>2.00</i>	<i>.79</i>	<i>3.87</i>	<i>1.78</i>	<i>2.00</i>	<i>1.49</i>	<i>2.065</i>	
TOTALS	<i>29.68</i>	<i>25.67</i>	<i>33.25</i>	<i>26.38</i>	<i>21.51</i>	<i>29.97</i>	<i>32.60</i>	<i>19.18</i>	<i>23.43</i>	<i>23.61</i>	<i>26.528</i>	

1880. Ombersley Church 2 miles E.

Lock house 10ft high 79ft NE

Indicates entire correct day. (See note at beginning of this book.)

RAINFALL AT Droitwich Holt Lock

Lat. _____

Lon. _____

County of _____

Worcester

Rain Gauge, by _____

Observer _____

S.D.

H. J. Martin Esq. C.E.Severn, R - 1.

Diameter	5											
Height	1	1										
Altitude	55 ft											
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January	2.88	1.85	2.01	1.87	1.63	3.25	.55	1.83	.56	3.07	1.950	
February ....	.52	.03	.95	2.47	2.45	.09	.27	2.21	1.07	2.56	1.262	
March	1.12	1.10	.68	.18	.81	1.57	2.72	2.86	.40	.74	1.218	
April	1.08	1.53	.91	.30	1.24	1.79	.90	1.52	1.54	1.88	1.269	
May	1.67	2.97	2.21	1.99	2.92	.87	.24	.74	2.99	1.72	1.832	
June	1.94	2.57	2.07	1.07	1.90	1.09	1.48	2.56	1.68	1.90	1.826	
July	1.92	2.05	1.88	1.92	3.08	2.60	1.12	.93	.93	.92	1.735	
August	2.38	3.80	3.42	1.46	2.67	2.13	1.28	3.56	2.05	.83	2.358	
September....	1.03	1.10	2.42	1.14	1.85	.40	4.66	1.99	.58	3.82	1.899	
October	1.07	6.00	1.48	1.95	3.52	2.24	1.62	1.29	3.53	2.50	2.520	
November....	2.51	2.28	2.43	1.46	3.04	3.62	.83	1.71	1.69	1.51	2.108	
December	1.08	3.16	1.18	3.09	1.86	1.81	3.34	2.59	2.09	2.49	2.269	
TOTALS	19.20	28.44	21.64	18.90	26.97	21.46	19.01	23.79	19.11	23.94	22.246	

1891 Ombrelay Church 28 miles E 1880-
 Lock House 10 ft high 79 ft NE

Ombersley.

RAINFALL AT Droitwich Hall Lock

Lat.

Lon.

County of Worcester

Rain Gauge, by

Observer E. D. Martin Esq. Cl.

Seven, R. 1.

Diameter ..	5										
Height	1 1										
Altitude ..	55 N										
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	3.42	1.42	.64	2.17	2.37	.87	3.48	.81	.59	.87	1.664
February ..	4.52	1.14	1.31	1.81	3.66	.80	1.56	.65	1.11	.33	1.689
March ....	.73	1.70	1.34	3.38	1.02	3.30	.92	.70	2.79	2.65	1.853
April	1.14	1.78	1.97	1.73	1.23	1.97	1.11	1.97	2.71	1.67	1.728
May	1.77	.84	2.48	4.60	2.72	.43	2.27	2.53	1.84	1.16	2.064
June	2.01	2.76	2.83	2.32	.65	3.38	3.29	2.95	3.17	3.35	2.671
July	2.33	2.35	.99	3.31	2.78	.98	.64	2.08	2.21	2.48	2.015
August	2.66	1.78	3.67	3.60	2.11	5.97	.88	2.03	2.65	1.66	2.701
September ..	.68	1.43	.95	3.03	1.98	.97	.80	.32	2.64	3.33	1.613
October	3.14	1.10	2.81	5.74	.51	1.29	4.21	6.17	2.22	2.57	2.976
November ..	2.26	.75	2.31	1.49	1.05	2.47	2.03	2.67	1.79	.88	1.770
December ..	5.40	4.42	1.58	1.36	2.08	.81	1.92	3.28	2.13	4.23	2.721
TOTALS ..	30.06	21.47	22.88	34.54	22.16	23.24	23.11	26.16	25.85	25.18	25.665 2.25

1900 Ombersley Church 2 miles E

Lock House 10 1/2 m. high 79 ft NE

Hub

RAINFALL at Omburley, Droitwich Hall Lock

10

2390

County of Worcestershire

Observer E D Marten Esq C.E. E P Bradley (1912)

River Basin Sarum - Right Bank Tributaries 1

Copper Snowden Rain Gauge, by Casella
 with can closed at bottom
 inspection note 21.12.21.
 3965

Diameter ...	5											
Height	1	1										
Altitude ...	55	K										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	SUMS
January ...	2.15	.84	4.08	3.80	.71	2.20	.63	1.37	2.40	3.07		7.17
February ...	2.95	1.49	1.34	.86	1.53	2.94	3.64	1.04	1.48	2.27		8.43
March .....	.65	1.79	2.58	4.18	2.18	.69	2.80	2.24	1.20	4.37		10.61
April	1.55	.84	.00	3.21	.96	.96	1.05	1.10	1.98	1.55		5.68
May	1.14	.72	3.31	2.48	1.52	2.44	2.53	3.45	2.59	.65		7.22
June	3.77	1.45	6.17	.89	1.99	.96	1.14	2.26	.79	.81		5.00
July	2.12	.14	3.23	1.00	3.19	7.10	2.29	1.88	2.64	3.25		10.06
August	5.73	2.08	7.47	1.45	1.47	2.20	2.71	4.41	.91	2.44		10.47
September ..	.75	1.59	.85	1.80	.87	1.11	.86	1.79	6.84	1.47		10.85
October ...	2.85	1.58	2.71	4.02	1.50	3.10	3.59	2.43	1.38	1.99		9.39
November ..	4.13	2.54	1.55	2.75	2.17	2.06	2.11	1.03	1.92	.93		5.99
December...	4.29	5.44	3.27	1.13	5.23	4.74	2.26	.68	1.94	2.66		7.54
TOTALS ...	32.08	20.50	37.56	27.57	23.32	30.50	25.60	23.68	26.07	25.46		100.81
	D	D	D	D	D	D	D	D	D	D		7.54

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

Observer. E. J. Bradley

Seven Annals

class measures only to .05.

5.00 }
5.01 }
4.99 }
Total

Diameter ...	5											
Height	1	0				1.1						
Altitude ...	55											
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 1931	1932
January ...	2.59	2.43	3.41	1.24	2.75	1.78	2.93	3.16	3.91	1.34	4.35	29.89
February ...	.69	.22	2.66	4.92	.43	2.68	2.47	2.51	1.87	.68	.41	19.84
March	1.85	1.04	1.87	1.39	1.18	.60	.39	2.29	2.10	.12	2.15	14.98
April	3.80	1.13	1.83	2.89	2.92	2.22	1.88	1.17	1.18	.63	2.35	28.00
May	1.45	1.36	1.37	1.52	5.82	2.88	3.02	1.43	1.08	1.75	2.96	34.64
June	2.34	.68	.86	.30	1.92	.05	1.42	3.15	2.50	1.86	1.19	16.87
July	5.17	1.06	4.84	2.22	3.43	3.06	2.08	4.00	1.14	1.51	3.06	31.57
August .....	.72	2.97	3.86	2.01	3.00	1.69	1.95	4.48	1.40	1.35	2.68	26.11
September...	1.95	.96	2.79	1.67	3.34	4.02	.47	3.78	.79	1.00	3.51	24.28
October	3.01	1.51	.50	3.65	3.98	2.92	2.62	1.56	4.38	3.67	3.08	30.88
November...	.66	1.80	.98	1.23	2.31	1.41	5.66	3.07	2.35	6.80	2.63	28.90
December...	2.23	1.70	2.96	2.48	3.14	2.40	.39	2.33	2.02	4.97	3.01	27.63
TOTALS...	26.46	16.86	27.93	25.52	34.22	25.71	25.28	32.93	24.72	25.68	21.38	296.69

Inspected 25. 21. IX. 21. G. surrounded ^{round} fence 7 in high 10 in away. Behind cork-
beams ^{came on grass} Ground falls on W. about 4 ft, slope 15 yds away chance in distance. S looks
30 yds away sufficient shelter by hedge. Very good exposure and sufficient
shelter even in winter.

Reference No. _____

[illegible]

RAINFALL at Ondersley (Holt Lock)County of WorcestershireObserver J. E. Bentley, Esq.River Basin Severn - Right Bank Fios 1H. J. Minnett

(1941)

Type of Gauge.....

Annual Average 25.3 in. based on 85 years obs. un-weighted. Period of average 1851-1915 Ref. B&N.

699336/26.

Diameter	5											
Height	1	1										
Altitude	55											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	Totals
January	1.36	2.33	1.72	2.37	1.84	3.23	2.78	2.64	4.87	4.06		26.20
February	1.88	1.14	2.91	4.1	2.09	2.25	3.95	4.48	0.79	2.51		7.41
March	1.13	1.64	1.91	1.65	1.50	2.89	2.66	2.27	1.17	1.40		4.22
April	3.37	3.37	0.80	1.63	3.53	1.78	1.78	1.04	1.78	2.10		20.18
May	4.35	8.29	1.44	1.00	1.00	1.09	2.33	1.48	1.08	3.14		25.20
June	3.89	1.82	1.43	1.89	2.20	3.06	1.92	1.10	1.81	1.19		7.31
July	2.54	2.54	1.34	1.79	1.37	5.16	2.52	2.94	5.11	2.16		35.47
August	3.49	3.21	0.81	2.06	1.59	1.52	1.29	2.19	1.69	1.06		14.91
September	2.36	2.47	1.08	1.62	3.41	2.25	2.80	1.51	0.45	1.22		19.17
October	1.65	3.37	4.03	1.06	2.72	1.24	2.47	2.04	2.73	3.42		23.93
November	3.41	1.32	0.77	1.42	4.97	2.21	1.44	2.88	3.70	5.80		27.92
December	1.89	1.04	0.42	4.25	2.84	2.80	1.78	3.10	1.62	1.39		19.83
TOTALS	28.32	30.74	18.66	19.15	26.06	28.18	26.72	20.67	26.80	28.45	25.3	715.4
	D.	D.	D.	D.	D.	D.	D.	D.	D.	D.		

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. ⁷⁶ 2390RAINFALL at Omblesley (Holt Lock)

41

County of Worcestershire Observer H. J. Misset Esq.River Basin Severn - Right Bank 1 E. Adams, Esq. - 1949.Type of Gauge M.D. 1950Annual Average 25.3 in. based on 35 years obs. W-weighted. Period of average 1881-1915 Ref B.F.N.File No. 699336/26

Diameter	5"				439	253						
Height	1' 6"					1				1' 0"		
Altitude	55					41						
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	
January	3.38	3.63	4.62	1.97	1.51	2.32	1.76	3.72	1.31	5.4		Totals 24.76
February	1.98	.64	1.09	.73	1.47	1.60	1.66	1.01	.47	3.73		14.38
March	2.11	1.99	1.06	.34	.72	.62	5.61	85	1.73	1.11		16.14
April	1.70	1.10	1.12	1.38	.88	1.89	1.55	1.68	2.07	2.10		15.37
May	2.03	3.63	2.55	.61	2.77	2.89	1.91	2.49	2.02	1.52		23.42
June	2.69	.18	1.90	1.46	2.63	2.88	1.20	1.94	.39	1.72		17.05
July	2.59	1.19	.82	2.60	1.99	1.24	1.61	1.00	2.25	2.06		17.35
August	1.16	1.73	1.08	3.35	3.21	4.87	1.23	4.93	.83	2.35		24.74
September	3.33	1.18	2.39	2.78	1.55	2.73	.90	2.62	1.05	2.85		21.28
October	2.08	2.29	1.87	2.65	3.03	.73	.20	2.39	1.69	.91		20.84
November	2.74	1.04	1.47	3.82	.15	3.89	1.76	1.34	2.47	3.00		21.68
December	1.41	3.13	1.19	1.55	3.49	1.91	1.73	3.44	1.34	1.26		20.45
TOTALS	27.20	21.73	21.22	23.24	23.40	27.57	21.12	27.21	21.62	23.15		237.46

214.31

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. ^{nr 18} 2390
439253RAINFALL at Umbersley (Holt Lock)

51

County of WorcestershireObserver R. D. Adams, Esq.River Basin Leven Right Bank - 1.Don & Leven Waterway

Type of Gauge

BRITISH WATERWAYSAnnual Average 25.3 in. based on 35 years obs. ~~un~~-weighted. Period of average 1881-1915 Ref. B of N
25.39 " " " " 1916-1950 1916-1950 File No. 299334/26 P

Diameter ...	5"				439	253						
Height ...	1' 6"					1						
Altitude ...	55'					51						
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	191-192	Means
January ...	2.06	1.52	.61	1.24	2.54	3.32	1.15	2.04	3.08	5.34	2.2	2.6
February ...	1.90	.49	1.43	2.26	1.35	.46	3.14	4.51	.13	1.89	1.2	.4
March ...	3.44	1.51	1.37	2.26	2.49	.97	1.51	1.23	2.10	1.44	1.1	1.3
April ...	2.26	2.01	2.59	.30	1.04	1.91	.08	.48	2.93	1.07	4.7	1.9
May ...	2.51	2.72	1.99	2.58	2.88	.48	1.46	2.15	1.46	1.39	1.1	2.6
June ...	.47	1.39	2.59	2.51	3.13	1.43	1.28	3.44	.83	1.78	1.2	1.1
July ...	1.12	.66	2.66	3.11	1.20	3.07	3.80	2.84	2.25	2.32	2.4	3.5
August ...	3.30	3.50	2.61	3.10	.40	4.40	4.38	3.21	1.95	3.80	1.7	3.3
September ...	1.83	1.01	2.38	1.07	1.47	3.10	3.96	4.33	.25	4.08	1.9	2.2
October ...	.60	3.53	1.83	2.39	1.50	1.56	1.01	2.07	2.38	6.77	2.2	1.6
November ...	5.43	1.67	1.25	5.42	3.06	.96	2.36	2.20	3.70	3.53	1.3	2.07
December ...	1.46	2.49	.99	1.44	2.63	2.68	1.96	3.56	5.17	2.67	3.3	1.77
TOTALS ...	26.58 NP	22.50 NP	22.30 D	27.68 D	23.59 D	24.34 D	26.09 D	32.06 D	26.23 D	36.08 D	24.72	2.2

1931 NP low
1952 NP low
1953 PrintPosition of Station on Ordnance One-Inch map: No. of Map 130 National Grid Reference 50(32)821634

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- accepted

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	✓ Inst - 13, 18	✓	✓	✓ Inst 41, 43, 44	