

RAINFALL AT *Broom's Grove Landebygge Reservoir*

Lat.

Lon.

County of *Worcester*

Rain Gauge, by

Observer *E. Querton Esq.*

Severn. Left Bank -- 2

Diameter...								5			
Height ...								3			
Altitude ...								433			
Year	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January ...							2.40	3.85	1.42	2.86	
February ...							3.12	1.29	1.61	2.78	
March							2.79	2.10	.95	.81	
April							2.65	2.99	3.69	2.74	
May .....							.68	2.28	7.18	2.61	
June							1.64	.97	3.52	6.25	
July							1.77	4.68	.75	3.39	
August ...							2.75	5.57	9.29	6.24	
September ..							5.07	2.26	3.83	3.37	
October							2.03	2.09	3.40	.85	
November ..							4.12	3.38	3.23	1.04	
December ..							7.14	1.98	2.13	.95	
TOTALS ..							36.16	33.38	40.90	33.89	

RAINFALL AT *Bromsgrove, Tardiff's Res.*

Lat. _____

Lon. _____ County of *Worcester*

Rain Gauge, by _____

Observer *M. B. Clegg, Esq., C.E.*

Sewer, 2-2..

Diameter	<i>5</i>										
Height	<i>3.0</i>										
Altitude	<i>433 T</i>										
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January	<i>.78</i>	<i>.73</i>	<i>2.14</i>	<i>3.29</i>	<i>2.51</i>	<i>1.54</i>	<i>3.06</i>	<i>3.58</i>	<i>1.00</i>	<i>.78</i>	<i>1.941</i>
February	<i>3.10</i>	<i>4.06</i>	<i>2.68</i>	<i>3.04</i>	<i>1.33</i>	<i>3.01</i>	<i>.73</i>	<i>.73</i>	<i>.73</i>	<i>1.57</i>	<i>2.098</i>
March	<i>1.32</i>	<i>1.85</i>	<i>1.67</i>	<i>.94</i>	<i>2.43</i>	<i>1.10</i>	<i>2.37</i>	<i>1.58</i>	<i>2.62</i>	<i>2.56</i>	<i>1.844</i>
April	<i>1.43</i>	<i>.88</i>	<i>4.02</i>	<i>.80</i>	<i>1.79</i>	<i>2.13</i>	<i>2.07</i>	<i>1.01</i>	<i>1.39</i>	<i>4.27</i>	<i>1.979</i>
May	<i>1.74</i>	<i>1.40</i>	<i>2.00</i>	<i>1.38</i>	<i>1.00</i>	<i>2.98</i>	<i>5.18</i>	<i>1.58</i>	<i>.81</i>	<i>3.40</i>	<i>2.147</i>
June	<i>2.46</i>	<i>2.46</i>	<i>4.77</i>	<i>2.97</i>	<i>2.99</i>	<i>3.83</i>	<i>1.56</i>	<i>1.16</i>	<i>2.66</i>	<i>1.41</i>	<i>2.627</i>
July	<i>5.63</i>	<i>2.06</i>	<i>4.26</i>	<i>3.50</i>	<i>3.02</i>	<i>.27</i>	<i>2.75</i>	<i>1.70</i>	<i>5.65</i>	<i>1.97</i>	<i>3.081</i>
August	<i>.52</i>	<i>5.34</i>	<i>2.55</i>	<i>.87</i>	<i>1.89</i>	<i>1.69</i>	<i>2.14</i>	<i>1.61</i>	<i>2.96</i>	<i>3.59</i>	<i>2.316</i>
September....	<i>5.06</i>	<i>2.08</i>	<i>3.58</i>	<i>6.06</i>	<i>1.75</i>	<i>4.56</i>	<i>2.21</i>	<i>1.71</i>	<i>1.13</i>	<i>2.35</i>	<i>3.049</i>
October	<i>4.43</i>	<i>2.55</i>	<i>5.20</i>	<i>2.74</i>	<i>1.03</i>	<i>3.64</i>	<i>3.67</i>	<i>2.10</i>	<i>.47</i>	<i>2.72</i>	<i>2.955</i>
November....	<i>2.16</i>	<i>2.68</i>	<i>3.89</i>	<i>4.69</i>	<i>2.12</i>	<i>3.49</i>	<i>2.10</i>	<i>2.20</i>	<i>4.36</i>	<i>1.19</i>	<i>2.908</i>
December	<i>3.27</i>	<i>2.65</i>	<i>3.31</i>	<i>.74</i>	<i>1.64</i>	<i>.88</i>	<i>3.71</i>	<i>1.51</i>	<i>2.04</i>	<i>2.44</i>	<i>2.219</i>
TOTALS	<i>31.90</i>	<i>28.94</i>	<i>41.07</i>	<i>31.02</i>	<i>23.50</i>	<i>29.12</i>	<i>31.55</i>	<i>20.47</i>	<i>25.82</i>	<i>28.25</i>	<i>29.164</i>

✓ indicates entered correct day. (See note at beginning of this book)

RAINFALL AT Bromsgrove Tardibigge Res

Lat.

Lon.

County of

Worcester

Seven, L-2.

Rain Gauge, by

Observer

F. R. Jones Esq. C.E.

Diameter	5											
Height	3 0											
Altitude	433 T											
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January	2.77	1.94	2.03	2.07	1.47	3.39	.87	2.12	.77	2.83	2.026	
February ....	.58	.06	1.09	2.23	1.97	.32	.49	2.91	1.42	2.23	1.320	
March	1.41	.91	.94	.41	.86	2.03	2.37	2.87	.56	.73	1.309	
April	1.04	2.10	.90	.19	1.60	2.47	1.11	1.65	1.63	1.96	1.465	
May	2.07	3.48	1.75	2.00	2.46	1.07	.40	1.41	3.57	1.55	1.946	
June	2.53	1.84	2.25	1.39	2.51	1.65	2.71	3.05	1.35	2.14	2.144	
July	2.25	2.54	2.00	2.36	3.90	3.15	1.62	.98	1.18	1.60	2.158	
August	2.82	4.12	2.98	2.28	2.70	3.68	2.28	4.55	3.04	1.31	2.946	
September....	1.12	1.58	2.09	1.11	1.71	.70	4.10	2.11	.69	3.06	1.827	
October	1.35	5.36	2.17	2.30	3.68	3.00	1.89	1.69	2.97	2.31	2.642	
November....	3.05	2.68	2.10	1.49	3.23	3.37	1.22	1.83	2.61	1.08	2.266	
December ....	.90	2.64	1.39	2.42	2.41	2.26	3.40	2.30	1.98	2.44	2.214	
TOTALS	21.94	29.25	21.69	20.25	28.50	27.09	22.46	27.47	21.77	23.24	24.366	

1880

RAINFALL AT Bromsgrove Tardelbigge Reservoir

Lat. Lon. County of Worcester

Severn, L-2. Rain Gauge, by Observer, F. A. Jones Esq. C.E.

Diameter ..	5										
Height	3.0										
Altitude ..	433 T										
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	3.48	1.18	.71	1.95	2.36	.88	3.90	.72	.89	1.10	1.717
February ..	4.01	1.68	1.78	.91	3.39	.63	1.52	.61	1.38	.66	1.657
March ....	.83	1.38	1.57	3.78	1.55	3.47	1.02	.82	2.53	3.91	2.086
April	1.29	1.95	2.65	1.65	.97	2.01	1.36	2.12	2.60	2.24	1.884
May	1.93	1.20	3.29	4.27	2.73	.46	2.00	3.10	3.11	1.85	2.394
June	2.18	2.21	2.62	2.38	.57	2.96	2.81	2.72	1.85	4.26	2.456
July	2.38	1.99	1.33	2.73	3.25	1.18	1.03	2.27	2.94	3.67	2.277
August	3.44	2.24	4.75	3.88	1.89	5.94	1.36	2.83	2.80	1.85	3.098
September ..	.66	1.66	1.38	2.84	2.46	1.16	1.25	.57	1.29	4.31	1.758
October	3.08	1.36	2.54	6.26	.86	1.37	4.96	6.10	1.99	3.36	3.188
November ..	2.81	.94	2.81	1.81	1.31	2.73	2.61	1.95	1.93	.80	1.970
December ..	4.34	4.77	1.54	1.66	2.30	.82	1.98	3.13	2.36	4.61	2.751
TOTALS ..	30.43	22.56	26.97	34.12	23.64	23.61	25.80	26.94	25.67	32.62	27.236

Bromsgrove Station 2 miles W

Ans

RAINFALL at Bromsgrove Tardisbiggi Down

2406

County of Worcestershire

Observer

F. A. Jones Esq C.E.River Basin Severn - Left Bank Tributaries 2

Rain Gauge, by

Diameter ...	5												
Height	4.6												
Altitude ...	455 T												
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.		Soms
January ...	2.38	.84	4.26	4.30	.87	3.25	1.01	2.11	2.38	3.89	25.29	9.39	16.9
February ...	2.58	1.50	1.69	.94	1.67	3.93	4.66	.98	1.57	3.20	22.72	10.41	16.41
March .....	.76	2.16	4.11	4.20	2.51	.87	3.41	2.35	1.44	4.27	26.08	11.47	11.47
April	1.96	.96	.04	3.33	1.09	1.07	1.32	1.19	2.82	2.07	15.85	7.40	7.40
May	1.56	.81	3.28	2.38	1.55	2.39	2.83	4.54	2.04	1.11	22.49	10.52	10.52
June	1.75	1.94	5.57	1.24	2.90	2.50	1.59	3.34	1.19	1.39	23.41	7.51	7.51
July	2.77	.32	2.70	1.52	4.31	6.82	2.19	2.06	2.20	2.90	24.49	9.35	9.35
August	5.23	1.68	7.87	1.39	2.19	2.09	3.30	6.32	1.46	2.45	33.98	13.53	13.53
September ..	.79	1.68	.70	2.44	1.04	1.06	1.38	1.80	4.97	1.91	17.77	10.06	10.06
October ...	2.29	2.50	2.79	4.32	2.05	3.11	3.59	3.02	1.62	2.94	28.23	11.17	11.17
November ..	3.96	2.79	1.92	2.80	3.00	2.55	2.79	1.36	1.96	1.42	24.55	7.53	7.53
December ...	4.97	5.17	4.01	1.01	6.60	4.53	2.52	1.42	2.48	3.51	36.22	9.93	9.93
TOTALS ...	31.00	22.35	38.94	29.87	29.78	34.17	30.59	30.49	26.13	31.06	304.38	118.27	118.27

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
52.19 N	2.1. W		Bromsgrove	2 1/2 m	NE			

RAINFALL at Bromsgrove (Tatdebigge Reservoir)County of Worcester

(1916) Date

Observer

F. A. Jones Esq. C.E.River Basin 2 - Sever D.

A.J. CUMS

Gloucester Dock Co (1927)Howard Rain Gauge, byOld Gauge.

Diameter ...	5											
Height	4.6											
Altitude ...	455											
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 1929	Sum 20-30
January ...	2.78	2.59	3.25	1.97	2.79	1.80	3.73	3.60	4.64	1.29	4.45	32.89
February ...	.88	.19	2.48	5.33	.64	2.68	2.30	2.69	1.86	.86	.47	20.38
March	2.76	1.12	2.10	1.85	.98	.69	.74	2.12	2.53	.17	2.68	17.44
April	4.49	1.20	2.67	3.11	3.10	2.14	2.87	1.63	1.76	.73	3.46	27.16
May	2.10	1.75	1.18	1.32	5.83	3.40	4.69	2.25	.72	1.86	2.22	27.32
June	2.45	.43	.74	.45	2.51	.29	1.86	3.92	2.74	1.87	1.22	18.48
July	5.14	.63	4.73	2.63	3.46	3.65	2.02	5.73	1.22	1.70	3.99	34.90
August	3.33	4.69	4.62	2.09	3.65	2.71	2.21	4.15	2.30	2.21	3.21	35.17
September...	2.70	.95	2.57	2.72	3.45	3.85	.81	4.57	.55	1.05	4.50	27.72
October	2.74	1.80	.28	3.93	4.06	3.94	2.52	1.71	4.89	3.98	2.90	33.75
November...	.89	1.98	1.24	1.55	2.33	1.57	5.72	3.79	2.95	8.01	3.20	33.23
December...	2.40	1.83	3.50	3.19	3.07	2.80	.52	3.22	2.76	4.89	3.14	31.32
TOTALS...	23.66	19.16	29.36	30.14	35.87	29.52	29.99	39.38	28.92	28.62	35.44	340.06

26.9.28 Inspected by Mr. Gearsfoot
new gauge fixed Jan 1929

1930. N. S. - check.

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 from gauge	Parish Church.	Distance from gauge	Direction from gauge
from first sheet	52° 19'	2° 1'	Bromsgrove	2 1/2 m.	N. E.	(Tatdebigge)	200 yds.	S. E.

RAINFALL at Bromogrove (Tardelbigge Riv.) old g.County of Worce.Observer A. J. Culha.River Basin 2-Soem. Left Bank.Type of Gauge Holland.

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

66 3543/26

Diameter	5'										
Height	4' 6"										
Altitude	450'										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	1.62										
February	2.42										
March	.19										
April	3.55										
May	4.03										
June	4.21										
July	4.27										
August	5.59										
September	2.82										
October	.83										
November	3.34										
December	1.01										
TOTALS	33.88. ch/y.	#T.	17 months	35							

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.			Bromogrove	2m	W.	Tardelbigge	200 yds.	S.E.

RAINFALL at Bromsgrove (Tardelbigge Res.)County of WorcestershireObserver A. J. Cullis, Esq. C.E.River Basin Severn Left Bank tribs 2Type of Gauge M.O.Annual Average 27.5 in. based on 35 years obs. un-weighted. Period of average 1851-1915 Ref. B.G.N.

663543/26.

Diameter	5											
Height	1	0										
Altitude	455											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	
January	1.67	2.08	1.95	2.86	1.08	3.75	3.46	2.73	6.03	3.16	28.7	7.5
February	2.45	1.9	3.10	1.44	2.28	2.97	4.45	1.74	1.02	2.88	20.4	7
March	2.0	1.76	2.40	2.42	.67	2.17	3.05	.39	1.55	1.64	16.2	5
April	3.47	3.13	1.02	2.09	3.80	2.05	2.95	.12	2.11	2.43	23.1	7
May	4.13	6.57	1.35	.89	.88	.93	2.29	1.74	0.94	2.66	22.3	8
June	4.22	1.23	2.24	.92	3.20	4.58	.92	1.85	1.85	.69	21.7	0
July	4.23	2.77	1.48	1.12	.77	6.00	2.39	3.29	6.46	2.42	20.9	3
August	5.53	2.10	.67	2.29	1.55	.89	.59	3.97	2.24	.15	19.9	8
September	2.86	3.00	.91	2.23	4.02	2.97	2.39	2.29	0.74	1.26	22.6	7
October	.83	3.46	3.18	1.32	3.67	1.63	2.91	2.49	4.25	4.80	28.5	4
November	3.40	1.45	.92	2.16	5.69	2.69	1.50	2.97	3.96	7.09	31.8	3
December	1.03	.98	.39	5.50	3.73	2.74	2.33	4.66	1.61	1.69	24.6	6
TOTALS	34.02	28.72	19.61	24.24	31.29	33.37	29.23	27.24	32.76	30.87	291.35	
	D	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
1931.			Bromsgrove	2 m	W.	Tardelbigge	200 yds	S.E.

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

Station No. *T.F. 2406*RAINFALL at *Bromsgrove (Tardelbigge Res.)*

41

County of *Worcestershire* Observer *A. J. Ellis Esq. C.E.*River Basin *Severn Left Bank 2* *E. J. Perry Esq. (1942)*Type of Gauge *A.O.* *(Open Inland Gauge, 1942)*Annual Average *27.5* in. based on *35* years obs. un-weighted. Period of average *1881-1915* Ref *13. of N*File No. *663543/26*

Diameter	5"				439	484						
Height	1'0"					1						
Altitude	455'					41						
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	
January	3.25	3.05	4.76	1.89	1.70	2.54	2.03	4.52	1.60	.70	Total	26.04
February	2.09	.86	1.08	1.28	2.02	1.63	1.87	1.09	.64	5.42		17.98
March	2.28	2.31	.96	.45	1.02	.98	6.08	1.18	2.02	1.29		18.57
April	1.68	1.06	.74	1.90	.96	3.09	2.03	2.50	2.56	2.25		18.77
May	2.64	3.28	3.34	.64	2.97	2.74	2.48	2.16	3.24	1.81		25.30
June	2.33	.34	2.40	1.82	3.31	2.90	1.40	4.53	.34	2.08		21.45
July	2.82	1.17	1.46	3.33	2.01	1.68	3.17	1.69	2.87	3.02		23.22
August	4.06	2.54	1.89	1.19	2.23	5.86	.92	5.21	1.13	4.01		29.04
September	.73	1.08	1.56	3.16	1.52	3.63	1.61	2.70	1.98	3.82		21.79
October	2.20	2.57	2.23	3.77	3.40	.83	.52	3.00	5.70	.75		24.97
November	3.01	1.47	1.90	4.39	.37	5.63	1.86	1.71	3.12	5.06		28.52
December	1.36	3.66	1.27	1.54	3.09	2.79	2.59	2.14	1.71	2.15		24.30
TOTALS	28.45	23.33	23.59	25.36	24.60	34.30	26.56	34.43	26.91	32.36		279.95

After 5.6.43 says 'considerable screening by bushes from N.W. & S.W. ... This bushes have now been cleared away.'

247.59

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			Bromsgrove	2 m.	W.	Tardelbigge	200 y.	S.E.

BRITISH RAINFALL ORGANIZATION

Station No. ^{T.F. 12} 2406RAINFALL at Thromsgrove (Tardebigge Res)

51

County of WorcestershireObserver E. J. Perry Esq.River Basin Severn Left Bank - 2Banish WaterwaysType of Gauge M.O.Annual Average 27.2 in. based on 32 years obs. un-weighted. Period of average 1881-1915 Ref. B 9 N
" " 29.65 " " 27 " " 1929-56 " " 1946-55 File No. 66.35.13/26

Diameter ...	5"				439	494						
Height ...	1' 0"					1						
Altitude ...	455'					51						
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means	
January ...	2.60	2.04	.73	1.30	2.96	3.48	1.27	2.70	3.41	5.57	26.06	
February ...	2.89	.52	1.74	2.67	1.53	.29	2.50	4.49	1.17	1.03	18.83	
March ...	5.20	2.75	1.62	2.55	3.07	1.01	2.33	1.24	1.83	1.13	22.73	
April ...	2.93	2.57	2.69	.60	1.24	1.20	.06	.79	2.91	1.13	16.12	
May ...	3.53	2.95	2.50	2.84	3.45	.61	1.40	2.64	1.62	1.55	23.09	
June ...	1.11	2.00	1.99	3.39	2.43	2.26	1.13	3.71	.92	2.73	21.67	
July ...	1.12	1.31	3.50	4.01	.93	3.15	3.81	3.34	1.48	3.72	26.37	
August ...	4.40	5.12	2.88	4.33	.46	6.41	4.07	3.43	.94	4.03	36.07	
September ...	2.12	1.59	2.45	1.59	1.61	3.11	4.32	4.23	.26	4.84	26.02	
October ...	.72	5.49	2.20	3.64	.93	1.44	1.48	2.12	2.65	6.77	27.45	
November ...	8.19	2.88	1.31	5.94	2.60	.76	2.04	2.50	4.35	3.90	34.47	
December ...	2.38	3.32	1.09	2.08	1.40	2.78	2.33	3.29	5.04	3.26	26.97	
TOTALS ...	37.19	32.54	24.70	34.94	22.51	26.50	26.74	34.49	25.58	40.66	305.85	
	D	D	D	D	D	D	D	D	D	D	D	

1956 Jan part obs. 1903 Eng. agrees.

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference 50 72 719690

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

Summary of Earlier Records from 10-year Sheets :

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
		c 1929 ✓	✓ ✓	✓ ✓	