

RAINFALL AT Whitcombe W. W.

Gloucester.

Observer L. Small Esq.

Rain } By .....

Gauge } Diameter 8 in.Height above Ground, 3 ft. in.Above Mean Sea Level, 297 ft.Season L-3.

YEAR.....			1863	1864	1865	1866	1867	1868	1869	MEANS.
January.....			2.95	1.96	2.88	3.20	3.60	3.27	5.06	
February.....			.67	1.73	2.11	2.83	1.75	1.79	3.46	
March.....			1.13	2.49	1.30	2.12	2.17	2.30	1.26	
April.....			1.30	.69	1.05	2.54	2.32	1.97	1.40	
May.....			.91	1.68	1.92	.73	1.83	1.70	3.26	
June.....			5.46	2.66	1.23	2.68	1.53	.23	1.13	
July.....			.76	.74	3.55	1.99	2.21	.26	.83	
August.....			3.70	.94	3.66	3.11	1.98	4.09	1.19	
September.....			2.32	2.82	.20	7.06	1.94	2.34	4.97	
October.....			3.82	2.19	4.56	1.98	2.45	3.27	2.56	
November.....			2.49	2.73	3.17	1.82	1.02	2.49	2.24	
December.....			.93	2.68	2.08	2.06	1.73	5.26	4.31	
TOTALS.....			26.44	25.31	27.71	32.12	24.61	28.97	31.67	

Gauge not at all sheltered.

# RAINFALL AT *L. Gloucester Reservoir* *Witcombe*

Lat..... Lon..... County of *L. Gloucester*

Rain Gauge, by..... Observer *Thomas Small Esq*

*Severn* *L-3*

1878 - *Read, Esq*

Diameter.....	8											
Height.....	3											
Altitude.....	297											
YEAR.....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.	
January.....	1.84	1.86	4.72	4.04	3.21	4.33	2.46	4.89	1.49	2.68	3.152	
February.....	1.97	1.08	3.05	.86	2.57	1.86	2.44	1.69	1.74	3.28	2.054	
March.....	1.01	1.62	2.96	3.13	1.16	1.01	3.08	2.37	.96	1.20	1.870	
April.....	.82	3.19	2.88	1.09	1.71	2.96	2.40	3.31	3.26	2.42	2.404	
May.....	1.46	1.62	1.57	2.93	.65	2.66	.91	2.30	5.65	2.90	2.265	
June.....	.69	3.48	3.57	3.05	1.32	3.47	1.48	1.27	2.72	4.48	2.553	
July.....	1.75	4.00	6.34	2.52	.96	5.90	.78	3.34	1.92	4.10	3.161	
August.....	1.01	1.55	2.78	2.36	2.30	1.60	2.74	4.44	5.38	5.13	2.929	
September.....	1.54	3.94	1.92	1.89	4.82	2.45	4.48	3.21	2.58	3.12	3.195	
October.....	3.00	1.91	4.17	2.41	3.24	6.39	1.75	2.10	3.64	1.13	2.974	
November.....	2.83	-.74	5.68	1.85	2.25	5.02	3.39	3.39	3.06	.83	2.904	
December.....	1.86	2.28	3.33	.90	1.92	.80	6.20	1.76	1.86	.86	2.177	
TOTALS.....	20.58	29.27	42.37	27.03	26.11	38.45	32.11	34.07	34.26	32.13	31.638	

RAINFALL AT *Gloucester, Milcombe Res.*

Lat. \_\_\_\_\_

Lon. \_\_\_\_\_

County of \_\_\_\_\_

*Gloucester*

Rain Gauge, by \_\_\_\_\_

Observer \_\_\_\_\_

*P. Read, Esq., C.E.**Severn, L - 3.*

Diameter ....	8										
Height .....	3.0										
Altitude ....	297										
Year .....	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January ....	.89	.76	2.32	3.13	3.42	2.70	4.80	2.34	.56	.79	2.171
February ....	5.29	3.45	2.89	4.31	2.06	4.14	.63	.67	.96	1.18	2.558
March .....	1.84	1.48	1.70	1.57	3.15	1.21	3.02	1.26	3.40	4.19	2.232
April .....	2.07	.85	3.59	1.06	1.63	2.66	2.35	1.97	2.24	3.68	2.200
May .....	.86	1.11	2.22	1.63	.81	3.14	4.37	1.94	1.82	3.46	2.136
June .....	3.57	2.81	3.20	4.83	3.24	2.09	1.32	1.61	2.52	.83	2.602
July .....	6.91	2.23	4.11	4.85	4.25	.33	3.59	1.33	5.38	2.04	3.502
August .....	.65	4.69	2.81	.88	2.13	1.88	1.75	3.29	1.77	2.43	2.228
September ....	4.43	1.79	3.88	5.68	1.55	3.94	2.96	2.38	1.08	2.25	2.994
October .....	6.04	2.10	5.64	2.53	1.18	3.21	4.64	2.29	.69	2.60	3.092
November ....	2.91	3.36	4.44	4.15	1.86	3.96	2.63	2.95	6.80	1.63	3.439
December ....	2.52	3.34	3.10	.58	2.74	1.12	4.25	1.81	3.19	1.58	2.423
TOTALS ....	37.48	27.97	39.60	35.20	28.02	30.28	36.31	23.84	30.41	26.66	31.577

# RAINFALL AT Gloucester Witcombe Reservoir

Lat. \_\_\_\_\_ Lon. \_\_\_\_\_ County of Gloucester

Rain Gauge, by \_\_\_\_\_ Observer E Read Esq C.E.  
 Series, L-3.

Diameter ....	8											
Height .....	3 0											
Altitude ....	297 ft											
Year .....	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January ....	3.03	2.40	.93	1.87	1.95	2.90	.66	2.34	.43	3.86	2.037	
February ....	.54	.01	1.30	2.80	1.93	.17	.27	2.82	1.13	3.41	1.438	
March .....	.96	1.72	.87	.12	1.45	2.62	2.68	3.61	.63	.71	1.537	
April .....	1.31	.91	.90	.02	2.85	2.82	.95	1.69	2.07	2.38	1.590	
May .....	2.33	3.88	1.13	1.25	2.73	.47	.28	1.30	3.30	1.76	1.843	
June .....	2.50	1.80	2.41	1.61	1.93	.80	1.94	2.19	1.31	1.58	1.807	
July .....	3.46	3.36	2.32	3.45	2.13	2.73	.83	.46	.90	1.02	2.066	
August .....	2.68	5.82	2.86	2.63	2.59	2.52	2.40	4.45	3.69	2.38	3.202	
September...	.74	1.80	2.88	.93	3.07	.85	5.28	2.21	.82	1.88	2.046	
October .....	1.30	6.78	2.04	1.88	3.86	3.19	3.65	1.51	4.19	2.24	3.064	
November...	2.11	2.34	1.93	1.94	4.24	4.48	.60	1.38	2.88	2.71	2.461	
December ...	.66	3.54	.80	2.81	2.28	1.87	3.06	3.53	3.02	1.97	2.054	
TOTALS ....	21.62	34.36	20.37	21.31	31.01	25.42	22.60	27.49	24.37	25.90	25.445	



RAINFALL AT Gloucester Witcombe Reservoir

Lat. ....

Lon. ....

County of Gloucester WestRain Gauge, by NKZObserver L Read Esq ChSeven, L - 3.

Diameter ..	8										
Height ....	3 0										
Altitude ..	297 <del>K</del>										
Year ....	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	3.11	1.73	1.28	3.44	3.48	.95	4.81	1.18	1.16	.96	2.210
February ..	6.32	1.32	.98	1.67	5.48	.93	1.76	1.29	1.04	.57	2.136
March ....	1.18	2.44	1.60	3.80	1.54	4.20	1.49	.62	3.12	3.68	2.367
April .....	1.10	3.00	2.43	2.09	1.02	2.86	.64	3.53	2.12	2.26	2.105
May .....	2.93	1.39	2.38	3.89	2.36	.39	2.13	2.21	1.82	1.18	2.068
June .....	2.62	2.46	3.13	4.64	1.17	5.36	3.41	3.09	.72	3.45	3.005
July .....	2.45	1.71	1.13	4.29	2.82	.90	1.09	3.64	2.15	2.35	2.253
August ....	2.99	1.74	2.85	3.18	2.23	4.90	1.33	1.80	3.93	2.35	2.730
September ..	.53	1.90	1.55	2.30	2.43	1.72	.68	.51	1.92	3.81	1.735
October ....	3.23	1.03	2.45	7.63	.59	1.58	4.84	6.59	1.22	4.20	3.336
November ..	1.94	1.14	2.11	1.81	1.49	3.67	3.12	1.97	1.34	.96	1.955
December ..	6.00	4.93	2.19	1.63	1.65	.67	1.61	4.47	2.04	3.93	2.912
TOTALS ..	34.40	24.79	24.08	40.37	26.26	28.13	26.91	30.90	22.58	29.70	28.812

1908 St Witcombe Church  $\frac{1}{2}$  mile SE  
Gloucester Station 5

HUB

RAINFALL at Witcombe ReservoirCounty of GloucestershireObserver I. Readley Ch.River Basin Severn Left Bank Tributaries 3

E. H. A. Carter Esq.

Rain Gauge, by \_\_\_\_\_

Diameter ...	8												
Height .....	3.0												
Altitude ...	297 ft												
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	TOTAL	
January ...	2.97	1.09	3.88	4.33	.72	3.62	1.64	1.00	2.47	3.84		16.19	8.95
February ...	4.10	1.50	2.21	1.12	2.96	4.51	4.45	.93	1.47	2.86			9.71
March .....	.97	2.17	4.92	3.61	3.54	1.12	3.42	2.46	1.20	4.41			11.49
April .....	2.74	1.04	.19	3.71	1.18	1.17	1.32	1.52	2.05	2.06			6.95
May .....	1.92	1.12	1.60	2.35	2.12	2.76	3.10	2.97	1.74	.78			8.59
June .....	3.99	2.57	5.90	.90	3.14	1.07	2.32	2.89	.91	1.60			7.42
July .....	2.42	.11	7.44	1.41	2.97	4.29	2.39	1.84	3.23	2.83			10.29
August .....	4.96	1.47	7.06	1.19	1.82	5.15	4.33	7.06	1.40	2.30			15.09
September ..	.73	1.57	.78	2.64	1.09	1.25	1.42	2.78	6.12	1.51			11.83
October ...	2.97	2.21	3.40	3.45	1.84	4.02	5.05	3.45	1.40	1.95			11.88
November ..	3.98	2.96	1.48	2.95	3.93	1.84	3.62	.64	2.10	1.51			7.87
December ...	4.93	6.59	3.98	1.03	6.32	5.08	2.93	1.02	2.57	3.75			10.27
TOTALS ...	36.69	24.40	42.84	28.69	31.63	35.88	36.02	28.26	26.66	29.40			120.34
	3	3	3	3	3	3	3	3	3	3			7.46

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
			Gloucester	5 m	E			

RAINFALL at Witcombe, GloucestershireCounty of GloucesterObserver E. W. S. Carter, Esq.River Basin S - Severn L.G. J. Scudamore Esq. (1922)  
City Surveyor GloucesterGloucester Rain Gauge, by

Diameter ...	8											
Height .....	3.0									1.0		
Altitude ...	297											
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 March	Totals.
January ...	4.27	2.69	3.82	1.68	3.45	2.09	3.40	3.17	4.64	.94	5.13	35.28
February ...	1.01	.22	3.52	6.19	.48	4.39	1.73	3.18	2.24	.86	.52	24.09
March .....	3.45	1.59	2.70	2.18	.95	.28	.21	3.09	2.79	.13	2.17	19.54
April .....	4.53	1.08	2.78	2.78	2.89	2.24	3.12	1.60	1.29	.78	2.47	25.56
May .....	1.59	1.76	.67	2.07	6.38	3.19	2.87	.88	.91	2.00	1.22	23.54
June .....	2.54	.20	.92	.35	2.33	.00	1.98	3.59	1.36	1.09	.98	16.34
July .....	4.43	.43	4.56	2.19	4.49	3.04	2.85	2.85	2.22	1.91	2.91	31.88
August .....	1.28	3.36	5.07	2.66	2.89	2.41	1.77	4.17	1.97	2.04	3.06	30.65
September...	2.25	1.67	2.15	2.96	3.83	3.78	.54	5.41	.92	.30	3.22	27.03
October .....	1.93	1.57	1.03	5.91	4.08	2.20	3.20	1.66	5.20	4.53	1.87	33.18
November...	.95	2.28	1.37	1.50	2.44	1.50	6.36	2.15	3.02	8.69	3.43	34.19
December...	2.77	1.41	4.33	2.44	3.55	2.65	.38	3.02	2.42	7.60	3.13	33.70
TOTALS...	31.00	18.26	32.92	32.91	37.76	27.77	28.96	34.77	29.98	30.57	30.11	335.01
	2	0	0	0	0	0	0	2	0	0	0	44

1926. House 27' high, 30' to N.E. - 25' high 30 - 100 ft. distance to N.

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
Station shot. 1922 1925	51° 50'	2° 8'	Gloucester	5 m.	E.	Great Witcombe	1/2 m.	E. S. E.



RAINFALL at Whitcombe ReservoirCounty of GloucestershireObserver S. J. Gendall Esq. C.E.River Basin Severn Left Bank Drain: - 3.Type of Gauge 1Annual Average 29.2 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. 5

514790/27.

Diameter	8										
Height	10										
Altitude	297										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Totals Means
January	1.58	3.10	2.73	2.29	.62	3.72	4.28	3.45	5.43	2.17	29.37
February	1.88	23	4.34	.48	2.64	2.68	4.35	.76	1.18	2.40	20.91
March	.44	1.90	2.63	2.69	.53	2.06	3.98	.23	1.71	1.97	18.14
April	2.58	3.19	1.05	2.41	4.71	2.31	2.84	.16	3.10	1.68	24.03
May	3.61	5.86	1.94	1.13	.91	.40	2.20	2.39	1.05	1.43	20.92
June	3.88	1.58	1.71	.78	3.29	3.52	.85	.90	2.26	.53	19.30
July	4.04	2.18	1.26	2.60	.57	5.04	2.41	2.70	5.54	3.77	30.11
August	3.93	1.70	0.53	2.14	1.73	.21	.60	2.31	2.41	.19	15.74
September	2.50	3.25	2.58	1.85	4.11	3.67	1.77	2.46	.61	.82	23.62
October	.62	4.95	3.91	1.40	4.23	1.06	3.24	3.21	2.83	3.61	29.06
November	4.95	2.01	0.69	1.64	5.47	2.62	1.36	3.18	4.54	6.39	32.85
December	1.36	1.50	0.51	6.08	3.97	3.72	2.08	3.67	2.40	1.04	26.33
TOTALS	51.37	31.45	23.88	25.49	32.78	30.98	29.96	25.42	33.06	25.99	290.38

1931. Gauge 27' high 30' N.E. Tree 25' high 36-100' N.

1

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.			Gloucester	5m	N. W.	Whitcombe	1/2m	E.

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



Station No. 2166

RAINFALL at Witcombe Reservoir

County of Gloucestershire

Observer C. I. Sanderson, J. CE.

River Basin Severn, Left Bank, Lts. 3

J. H. Goodridge, J. CE.

Type of Gauge



Annual Average 29.2 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref S

File No. 814790/27

Diameter	8"				459	378						
Height	1' 0"					1						
Altitude	297					41						
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	
January	2.57	2.69	5.30	1.86	1.54	2.89	1.86	4.64	1.26	.38		Totals 24.96
February	2.85	.41	1.34	.70	2.05	1.72	1.17	1.06	1.31	5.78		18.39
March	2.41	1.81	.96	.36	1.12	.89	6.29	1.17	1.22	1.61		17.84
April	1.37	1.31	.85	.94	1.19	2.17	2.41	2.22	2.11	1.60		16.17
May	2.10	3.28	3.13	.74	2.27	3.06	1.70	4.41	2.38	2.08		25.15
June	2.09	.14	1.76	2.82	3.29	2.09	1.69	2.07	.65	2.63		19.23
July	2.66	1.82	.79	2.33	2.06	1.00	2.43	.83	.77	3.61		18.30
August	4.69	4.02	1.95	2.93	1.48	7.38	.47	4.46	1.42	4.35		33.15
September	.58	1.75	1.80	2.74	1.60	4.09	1.74	3.00	1.66	3.46		22.62
October	2.33	2.61	2.01	4.39	3.06	.79	.31	2.91	5.39	.81		24.61
November	2.47	1.46	1.44	4.34	.44	4.96	1.38	1.35	2.61	4.90		25.35
December	1.99	3.31	1.44	1.82	4.99	2.69	2.04	4.39	1.17	1.59		25.43
TOTALS	28.11	24.61	22.77	25.97	25.09	33.73	23.49	32.51	21.95	32.77		271.00

1941 House 27' high 30' N.E. Trees 25' high 36/100 ft N.

1948 Trees 25-50' high 20' N., House approx. 30' high 15' W.

238.23

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			Gloucester.	5 m.	N.W.	Witcombe.	1/2 m.	E.

BRITISH RAINFALL ORGANIZATION

Station No. 2166**RAINFALL at** Witcombe Reservoir

51

County of GloucesterObserver J. N. Goodridge Esq. C.E.River Basin Severn - L. Bank Trib. 3Type of Gauge Annual Average 29.2 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. S29.05 " " " " 1916-1950File No. 814790/27 P

Diameter ...	8"				459	378						
Height ...	1' 0"					1						
Altitude ...	297'					51						
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means Total	
January ...	2.78	2.11	.75	1.22	2.07	3.04	2.52	2.54	5.26	4.70	26.99	
February ...	4.20	.63	1.57	2.43	1.39	.29	3.24	3.44	.08	2.38	19.65	
March ...	3.83	2.19	.63	2.52	1.53	.59	2.31	1.57	2.84	1.70	19.51	
April ...	3.05	2.12	2.33	.27	.92	2.63	.09	.88	3.47	1.22	16.98	
May ...	2.56	2.67	2.33	1.42	4.01	.70	1.58	2.87	1.03	1.22	20.39	
June ...	.85	1.85	2.00	4.75	3.50	2.05	1.25	4.26	1.99	2.90	25.40	
July ...	.83	.32	2.81	2.76	.23	3.23	3.39	3.24	2.51	3.32	22.64	
August ...	5.86	4.81	2.95	3.88	.32	3.67	3.55	2.48	1.42	3.67	32.51	
September ...	2.59	1.22	2.81	3.54	.59	3.28	2.82	4.18	.23	3.93	25.19	
October ...	.81	2.84	2.25	2.16	1.33	1.46	1.64	2.54	2.00	5.54	23.36	
November ...	7.17	2.78	.80	5.53	3.22	.77	1.98	3.14	3.64	4.48	33.51	
December ...	2.40	2.27	.72	2.45	3.24	3.80	2.45	3.32	6.39	2.51	29.55	
TOTALS ...	36.93	25.81	21.95	33.73	22.35	26.40	26.82	34.26	30.86	37.57	295.68	
	D	D	D	D	D	D	D	D	D	D		

1951 'Increasing' ref. 2164/5 + 2167 but 1951 accepted for printing  
House approx. 30' high at 15 yds W.

then 25' 50' at 20 yds N

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference 507292247

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge.	Direction
(1951)			<u>Gloucester</u>	5 m.	N.	<u>Great Witcombe</u>	1/2 m.	A.E.

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
	✓	✓	✓	✓	
	<u>Short-18</u>	✓	✓	✓	