

80

RAINFALL AT *Cheltenham Dowdeswell*

Gloucester

Wm. McLandsborough Eng.

Severn. L-3.

Diameter . . .											5	
Height											1.0	
Altitude											375	
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MIBANS.	
January . . . .										.61		
February										1.71		
March										3.72		
April										3.61		
May										3.67		
June . . . . .										.97		
July										2.15		
August										2.18		
September										2.04		
October										2.30		
November										1.90		
December										1.86		
TOTALS										26.72		

RAINFALL AT Cheltenham Dowdeswell

Lat. _____

Lon. _____

County of Gloucester

Rain Gauge, by _____

Observer J. Hall Esq C.E.Severn. L - 3.

Diameter	5											
Height	10											
Altitude	375					357						
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January	3.45	2.70	1.39	2.56	2.16	3.62	.82	2.17	.58	3.91	2.326	
February ....	.72	.02	1.53	3.40	2.13	.12	.41	2.97	1.53	3.28	1.611	
March	1.24	1.98	.93	.28	1.79	2.85	2.46	4.59	.62	.92	1.766	
April .....	.89	1.10	.75	.02	2.84	3.16	.76	1.66	2.32	2.34	1.584	
May	2.04	3.63	.67	1.31	2.44	.53	.31	1.21	4.25	1.62	1.801	
June	2.23	.76	2.18	1.18	2.22	.91	2.04	2.81	1.10	2.06	1.749	
July	2.22	3.83	2.34	3.34	2.22	2.97	1.24	2.06	1.25	.81	2.218	
August	2.80	5.74	3.44	2.24	2.51	2.09	2.75	4.85	3.05	2.14	3.161	
September....	1.35	2.21	2.84	.93	3.41	.57	5.47	2.68	1.04	1.88	2.238	
October	1.69	8.09	2.64	2.05	3.88	3.01	3.99	1.62	3.66	2.19	3.282	
November	2.56	3.20	2.42	2.26	4.80	5.71	1.20	1.45	2.98	2.88	2.946	
December ....	.80	4.44	.81	3.61	2.54	1.89	3.86	4.70	3.15	2.51	2.829	
TOTALS	21.99	37.68	21.94	23.18	32.94	27.33	25.31	32.77	25.53	26.54	27.521	

RAINFALL AT *Dowdeswell Andoversford*

Lat. _____

Lon. _____

County of *Gloucester*

Rain Gauge, by _____

Observer _____

A. E. Moss Esq

Seven. L - 3.

Diameter								5			
Height								11			
Altitude								500		650	
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January								2.23	.68	3.97	
February								3.25	1.77	3.47	
March								4.56	.64	.91	
April								1.74	2.45	2.62	
May								1.27	4.51	1.91	
June								2.42	1.24	2.03	
July								2.61	1.12	.86	
August								5.72	3.28	2.51	
September....							#	5.77	2.73	1.16	2.42
October								4.28	1.68	3.82	1.94
November....								1.29	1.64	3.35	2.86
December								3.97	4.51	3.35	3.18
TOTALS								34.36	27.37	28.68	

1897 Dowdeswell Church 150 yards N
 House 35 ft high 27 ft N
 Bush 15 + 20 ft high 36 - SW + SE
 1898 Jan 1st Gauge moved 21 ft W.N.W.

RAINFALL AT

Cheltenham Dowdeswell

Lat.

Lon.

County of

Gloucester West

Rain Gauge, by

Observer

J. Hall Esq. Ch.

H. J. White Esq. C.E.

J. P. Richardson Esq. Ch.

Series L-3.

Diameter ..	5											
Height	10											
Altitude ..	357											
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.	
January ..	3.23	1.25	.95	3.46	3.21	.76	5.36	1.18	1.26	.80	2.146	
February ..	7.05	1.42	1.09	1.94	6.41	.93	1.73	1.27	.87	.64	2.335	
March	1.30	2.38	1.72	3.71	1.55	4.19	1.37	.54	3.45	4.47	2.468	
April .....	.90	2.99	2.51	2.12	1.48	2.46	.65	2.59	2.45	2.44	2.059	
May	2.22	1.30	2.10	4.69	2.87	.62	2.12	2.69	1.49	1.14	2.124	
June	1.25	2.31	3.00	5.25	1.08	3.36	3.68	2.47	1.25	3.49	2.714	
July	1.25	3.18	1.59	4.49	2.63	1.85	1.67	5.21	2.18	2.51	2.656	
August	3.37	1.98	2.85	3.04	1.67	5.27	1.00	1.96	2.42	2.24	2.580	
September..	.44	1.90	2.00	2.31	2.24	.96	.51	.45	2.68	3.92	1.741	
October	2.99	1.31	2.79	7.09	1.13	1.27	5.04	7.19	1.40	5.22	3.543	
November ..	2.12	1.68	1.60	2.25	1.79	3.54	3.14	2.10	1.06	.89	2.017	
December ..	5.80	4.91	2.16	1.53	2.00	.80	1.85	4.42	1.95	4.36	2.978	
TOTALS ..	31.92	26.61	24.36	41.88	28.06	26.01	28.12	32.07	22.46	32.12	29.861	4.30

1 mile 100 yards E
 1902 St Michael's Dowdeswell 5300 ft E
 Stone Wall 6 ft high 25 ft S
 Andoversford Station 2 miles 180 yards E
 1909 Corrected for wind day

H. J.

RAINFALL at Dowdeswell ReservoirCounty of Gloucestershire Observer J. L. Pickering Esq. C.E.
River Basin Severn - Left Bank Tributaries 3

Rain Gauge, by _____

Diameter ...	5											
Height	10						1.3					
Altitude ...	357	T										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	
January ...	2.76	1.21	4.12	5.05	.87	3.56	1.36	1.68	2.32	4.90	1026	
February ...	3.75	1.26	2.62	1.06	2.81	5.44	4.72	1.14	1.49	2.66	1001	
March .....	.81	2.01	6.37	3.91	3.68	1.11	3.60	2.55	1.33	4.61	1209	
April	2.99	.75	.09	3.96	1.89	1.27	1.01	1.63	2.55	2.13	732	
May	1.45	.85	2.14	2.59	2.01	2.76	2.68	3.51	1.60	.79	858	
June	3.04	2.02	6.32	.86	3.60	1.69	2.20	2.49	1.05	1.21	695	
July	2.42	.09	5.27	1.16	3.54	4.26	1.39	2.14	2.76	3.17	906	
August	4.76	1.32	8.20	.84	1.64	4.71	3.52	6.08	1.12	2.78	1250	
September ..	.61	1.74	.80	2.97	1.26	.82	1.22	2.29	6.20	1.35	1106	
October ...	3.24	2.66	3.75	4.42	2.64	3.34	5.08	3.62	1.27	1.97	1194	
November ..	4.64	2.94	1.68	3.56	4.39	1.93	3.96	1.02	2.60	1.45	903	
December ...	5.88	7.77	4.18	1.12	6.94	5.42	3.79	1.38	2.40	3.89	1146	
TOTALS ...	36.35	24.62	45.54	31.50	35.27	36.31	34.53	29.53	26.69	30.91	12166	
	2	2	2	2	2	2	2	2	2	2		

1910 Corrected for strong day.
Wall 6 ft 30 ft

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1910	51.53 N	1.59 W	Andoversford	27.18076	E	S. Michael	17.18076	E

RAINFALL at Goodwell ReservoirCounty of GloucesterObserver J. L. Pickering, Esq., C.E.River Basin S - Sever L.Borough Eng. Cheltenham

measure
0.015 in by
at 4.9 + 3.3
+ 0.05 in by
at 10 in

Cheltenham Rain Gauge, by
Snarston, gal iron, sand & covered 1.27.

Diameter ...	5											
Height	13					10						
Altitude ...	357											
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 Means.	
January ...	2.89	2.86	3.58	1.65	3.60	1.93	3.97	3.31	4.39	1.26	5.48	3592
February ...	1.08	.26	3.64	6.70	.75	4.83	1.92	3.58	2.21	.51	.42	2590
March	3.60	1.50	2.67	2.04	1.14	.48	.27	3.65	2.33	.07	1.87	1762
April	4.75	1.25	3.30	2.85	3.22	2.03	3.89	2.15	.75	1.13	3.17	2849
May	1.54	1.63	.77	1.57	8.35	3.47	3.11	1.01	.91	1.95	1.15	2546
June	2.90	.23	.72	.33	2.31	.13	2.24	3.03	2.35	1.44	3.09	1977
July	5.15	.53	4.71	1.71	4.48	2.58	2.38	3.18	1.94	1.75	3.87	3228
August	1.29	2.41	4.94	2.34	2.92	1.57	1.50	3.70	2.36	1.92	2.84	2779
September...	1.92	1.53	2.20	2.54	4.49	4.17	1.33	5.02	.84	.29	3.96	2829
October	2.39	1.35	.71	5.68	4.43	2.80	2.75	1.48	5.44	4.58	1.94	3355
November...	.85	2.19	1.84	1.90	2.86	1.90	7.91	2.43	3.44	9.22	3.72	3826
December...	2.50	1.58	4.45	3.44	4.27	2.76	.58	3.72	2.61	8.43	3.92	3826
TOTALS...	31.86	17.32	33.53	32.75	42.82	28.65	31.33	36.26	29.57	32.85	35.43	35259
	0	0	0	0	0	0	0	0	0	0	0	0

1920 Boundary wall 6ft. high 30ft. off.
Inspected by 3. V. 21 B. near felted beds with high wall some
considerable distance to S.W. + drop to E with hills beyond.
ground flat to north + rising to S. Good exposure.

Position of Station on reduced Ordnance Survey } No. of Map
Map, 2 miles to 1 inch Series

Reference No.

Date.	Lat. N.	Long. W.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge
1920	51° 53'	1.59	Andoversford GWR	3 1/2	E.	St. Michael's	2 1/2	E.

RAINFALL at Dowdeswell ReservoirCounty of Gloucestershire

Observer

J. D. Pickering Esq. C.E.
G. Gould Harland (1933)River Basin Swan Left Bank Drain B.

Type of Gauge

Annual Average 30.0 in. based on 41 years obs. unweighted. Period of average 1881-1921 Ref. 5

765354/27

Diameter	5										
Height	1.3										
Altitude	357										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means Total
January	1.66	3.05	2.92	2.60	.67	3.80	4.28	3.23	5.83	2.24	2998
February	2.35	.23	4.31	.42	2.51	2.50	4.44	.79	1.30	2.51	2136
March	.27	1.86	2.98	2.74	.38	1.90	4.13	.25	2.24	2.23	1898
April	3.43	3.12	0.88	2.47	4.58	2.00	2.94	.14	3.12	1.44	2412
May	3.76	6.18	2.46	.96	1.21	.60	2.33	2.18	1.02	1.89	2259
June	3.38	1.44	2.35	1.16	3.08	3.90	1.36	1.04	2.01	.41	2013
July	3.30	1.43	1.76	1.93	.58	5.00	2.57	2.71	1.97	2.63	2788
August	4.38	2.99	0.89	1.99	1.45	.20	.38	3.51	2.66	.16	1811
September	2.35	3.32	2.47	1.99	4.00	3.80	1.74	2.51	.72	.89	2379
October	.73	4.64	3.73	1.34	4.22	2.00	3.28	3.30	3.40	3.83	3047
November	4.94	1.76	0.91	1.66	5.72	2.60	1.53	3.27	4.36	7.21	3376
December	1.28	1.19	0.49	6.15	3.78	4.00	2.44	3.74	2.31	1.36	2674
TOTALS	31.83	31.21	25.65	25.41	32.18	N.R.	31.42	26.67	33.94	27.80	29811

1931. Boundary wall 6' high 30'

1937. Due to leak in gauge no record available for 1936.

1937. New gauge & measure supplied on 7/1/37.

Wm H. Hamblin Esq.

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.			Andoversford	2 m. 180 yds.	E.	St. Michaels	1 m. 100 yds.	E.
1937			Andoversford	2 m. 180 yds.	E.	St. Michaels	1 m. 100 yds.	E.

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

Station No. 2172RAINFALL at Dowdeswell Reservoir

41

County of GloucestershireObserver G. Gould M/Sland Sq. CE.River Basin Severn: Left Bank Lits:—3Cheltenham & Glos. Water Board.

Type of Gauge.....

Annual Average 30.2 in. based on 41 years obs. un-weighted. Period of average 1881-1915 Ref. SFile No. 768354/27

Diameter	5"				458	844					
Height	1' 3"					1					
Altitude	357					41					
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means Total
January	2.52	2.94	5.81	2.02	1.79	2.20	2.09	5.30	1.41	.35	26.43
February	2.96	.60	1.51	.96	2.11	1.92	1.04	1.13	1.54	6.57	20.34
March	2.79	2.06	.89	.37	1.17	.86	5.66	1.43	1.38	1.68	18.29
April	1.20	1.55	.96	1.10	1.10	2.12	2.83	2.31	2.24	1.90	17.31
May	1.87	4.13	3.05	.75	2.07	3.17	1.81	3.51	2.32	2.12	24.86
June	2.20	.16	1.73	2.70	2.79	2.64	1.91	2.34	.62	2.45	19.54
July	3.04	2.24	.61	2.25	1.31	1.09	2.69	.71	.93	3.07	17.94
August	4.24	4.01	2.21	3.12	1.61	6.09	.38	4.06	.92	4.82	31.46
September	.59	1.73	2.10	2.69	1.51	3.87	2.09	3.10	1.84	3.58	23.10
October	2.00	2.76	2.38	4.52	2.91	.50	.42	2.99	6.00	.66	25.14
November	2.57	1.68	1.50	4.66	.28	6.06	1.50	.93	3.25	6.07	28.50
December	1.78	3.75	1.37	2.52	5.01	2.81	2.07	4.67	1.21	1.69	26.88
TOTALS	27.76 D	27.61 D	24.12 D	27.66 D	23.66 D	33.33 D	24.49 D	32.54 D	23.66 D	24.96 D	279.79

1941 Boundary Wall 6' high 10 yds from gauge.

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			Andoversford	2 180 yds	E.	St. Michaels.	1 ml 100 yds	E.

BRITISH RAINFALL ORGANIZATION

Station No. 2172**RAINFALL at** Dowdeswell Reservoir

51

County of GloucesterObserver Chaltenham & Glouc. Water BoardRiver Basin Severn-L. Bank Tribs-3Boue' Water Gauge

Type of Gauge.....

Annual Average 30.0 in. based on 41 years obs. un-weighted. Period of average 1881-1915 Ref S30.06 " " 35 " " 1916-1950File No. 1916-1950
7683.54/27

Diameter ...	5"				458	844						
Height ...	1' 3"					1						
Altitude ...	357'					51						
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means Totals	
January ...	3.14	2.25	1.01	1.44	2.06	3.59	2.31	2.67	4.73	4.52	27.72	
February ...	4.22	.73	1.97	2.66	1.40	.38	3.46	3.50	.06	2.60	20.98	
March ...	4.25	2.53	.85	2.58	1.61	.90	2.28	1.48	2.82	1.39	20.69	
April ...	3.24	2.15	2.52	.25	1.03	1.69	.10	.76	3.86	0.93	16.53	
May ...	3.03	2.43	2.43	2.21	4.35	.60	1.23	2.76	.79	1.45	21.28	
June ...	.79	1.63	1.96	3.33	3.93	1.80	1.04	3.69	1.52	2.27	21.96
July ...	1.77	.41	3.22	2.65	.21	1.95	3.65	2.99	1.98	3.42	22.15	
August ...	5.53	5.70	3.04	4.65	.30	6.70	3.71	1.80	1.21	4.35	35.99	
September ...	2.92	1.16	3.02	3.17	.60	2.99	3.26	3.63	.25	4.59	25.59	
October ...	.92	3.54	2.53	2.83	1.57	1.39	1.47	2.62	2.10	5.33	24.30
November ...	7.17	3.73	.77	6.67	3.69	.99	1.91	2.45	4.05	4.54	36.47	
December ...	2.76	2.85	.87	2.48	3.18	4.11	3.05	3.64	6.69	2.82	32.45	
TOTALS ...	39.74	29.11	24.19	34.92	23.93	26.09	27.37	35.44	30.06	38.21	306.11	
	D	D	D	D	D	D	D	D	D	D		

1951 Boundary Wall 6' high at 10 yds S.

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference 50321974190

Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge.
1951			<u>Andoversford</u>	180 ⁺ R.	<u>St Michaels</u>	1m 100 yds 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
	✓	✓	31-35, 37-40	✓	
	✓	✓	✓	✓	