

RAINFALL AT Cheltenham Dowdeswell

Lat.

Lam.

County of

Gloucester

Seven, L-3.

Rain Gauge, by

Observer T. S. McLando boronyl Eng

RAINFALL AT Cheltenham Dowdeswell

Lat.

Long.

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	2.236
February72	.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
April89	1.10	.75	.02	2.84	3.16	.76	1.66	2.32	2.34	1.5811
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	2.87	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
December80	4.42	.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	26.5427	21.521

RAINFALL AT Dowdeswell Andoversford

Lat.

Len.

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	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
October								4.28	1.68	3.82
November								1.29	1.64	3.35
December								3.97	4.51	3.35
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.NW

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. F. Parker Esq. Ch.

Seven L-3.

Diameter ..	5										
Height	10										
Altitude ..	357										
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	M.H.A.N.S.
January ..	3.23	1.25	.95	3.46	3.21	.76	5.36	1.18	1.26	.80	22146
February ..	7.05	1.42	1.09	1.94	6.41	.93	1.78	1.27	.87	.64	25335
March	1.30	2.38	1.72	3.71	1.55	4.19	1.87	.54	3.45	4.47	24468
April90	2.99	2.51	2.12	1.48	2.46	.65	2.59	2.45	2.44	2059
May	2.22	1.30	2.10	4.69	2.87	.62	2.12	2.69	1.49	1.14	21244
June	1.25	2.31	3.00	5.25	1.08	3.36	3.68	2.47	1.25	3.49	2714
July	1.25	3.18	1.59	4.49	2.63	1.85	1.67	5.21	2.18	2.51	2656
August	3.37	1.98	2.85	3.04	1.67	5.27	1.00	1.96	2.42	2.24	2580
September ..	.44	1.90	2.00	2.31	2.24	.96	.51	.45	2.68	3.92	1741
October	2.99	1.31	2.79	7.09	1.13	1.27	5.04	7.19	1.40	5.22	3543
November ..	2.12	1.68	1.60	2.25	1.79	3.54	3.14	2.10	1.06	.89	2017
December ..	5.80	4.91	2.16	1.53	2.00	.80	1.85	4.42	1.95	4.36	2978
TOTALS ..	31.92	26.61	24.36	41.88	28.06	26.01	28.12	32.07	22.46	32.12	29361 430

D D D T D D

1 mile 100 yards E

1902 St Michael's Dowdeswell 5300 ft E

H.W.J.

Stone Wall 6 p high 25 ft S

Andover Station 2 miles 180 yards E

1909 Corrected for wrong day

RAINFALL AT Cheltenham Dowdeswell

Lat.

Lon.

County of

Gloucester

Rain Gauge, by

Observer A. E. Moso Cap

Seven - L - 3.

RAINFALL at Dowdeswell Reservoir

County of Gloucestershire Observer J. P. Pickering Esq C.E.

River Basin Severn-Leg 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
March81	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	3.64	4.26	1.39	2.14	2.76	3.17	946
August	4.76	1.32	8.20	.84	1.64	4.71	3.52	6.08	1.12	2.78	1350
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 wrong day.
Well 694 204

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
(1910)	51.55 N	1.59 W	Andoverford	2 miles	E	St. Michael	1 mile	E

RAINFALL at Dredewell Reservoir

County of Gloucester.

Observer J. D. Pickering, Esq.: 65.

River Basin 3 - Seven L.

Borough Encl Cheltenham

measure
• .015 long
at : 49 + .33
+ .05 long
at : 19 wide

Chistera Rain Gauge, by _____
Snowdon, gal iron, sand & copper

Frister Rain Gauge, by _____

Clarke Rain Gauge, by _____
Swindon, gal iron, sound & correct. J. 27

Diameter ...	5										
Height	13										10
Altitude ...	359										
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1920-29 MEANS.
January	2.89	2.86	3.58	1.65	3.60	1.93	3.97	3.31	4.39	1.26	5.48
February	1.08	1.26	3.64	6.70	1.75	4.83	1.92	3.58	2.21	.51	1.42
March	3.60	1.50	2.67	2.04	1.14	1.48	2.7	3.65	2.93	.07	1.87
April	4.75	1.25	3.30	2.85	3.22	2.03	3.89	2.15	.75	1.13	3.17
May	1.54	1.63	.77	1.57	8.35	3.47	3.11	1.01	.91	1.95	1.15
June	2.90	1.23	.72	1.33	2.31	1.13	2.24	3.03	2.35	1.44	3.09
July	5.15	.53	4.71	1.71	4.48	2.58	2.38	3.18	1.94	1.75	3.87
August	1.29	2.41	4.94	2.34	2.92	1.57	1.50	3.70	2.36	1.92	2.84
September	1.92	1.53	2.20	2.54	4.49	4.17	1.32	5.02	.84	.29	3.96
October	2.39	1.35	.71	5.68	4.43	2.80	2.75	1.48	5.44	4.58	1.94
November85	2.19	1.84	1.90	2.86	1.90	1.91	2.43	3.44	9.22	3.72
December	2.50	1.58	4.45	3.44	4.27	2.76	.58	3.72	1.61	8.43	3.92
TOTALS ..	31.86	17.32	33.53	32.75	42.82	28.65	31.85	36.26	29.57	32.85	35.43
	0	3	3	D	D	3	D	D	D	3	D

1920. Boundary wall 6 ft. high soft off. Inspected 7/3. 3. v. 27. L. near fallen 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 Map, 2 miles to 1 inch Series } No. of Map

Reference No.

Date.	Lat. N.	Long. E.	Railway Station.	Distance from gauges	Parish Church.	Distance from gauge
1920	51°53'	1.59	Andoverford (C.W.R.)	5' 18 3/4	E. St. Michaels	2m 10 1/2 E.

RAINFALL at Dowdeswell Reservoir

County of Gloucestershire

Observer

J. D. Pickering Esq. C.E.

River Basin. Severn Left Bank Strata. — 3.

G. Gould Masland (1933)

Type of Gauge

Annual Average 30.0 in. based on 41 years obs., unweighted. Period of average 1881-1915 Ref. 3

768354/27

Diameter	5										Mean Total
Height	1	3									
Altitude	357										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	
January	1.66	3.05	2.92	2.60	1.67	3.80	4.28	3.23	5.83	2.24	2998
February	2.35	1.23	4.31	1.42	2.51	2.50	4.44	1.79	1.30	2.41	2136
March	1.27	1.86	2.98	2.74	1.38	1.90	4.13	1.25	2.24	2.23	1898
April	3.43	3.12	0.88	2.47	4.58	2.00	2.94	1.14	3.12	1.44	2412
May	3.76	6.18	2.46	1.96	1.21	1.60	2.33	2.18	1.02	1.69	2259
June	3.38	1.44	2.88	1.16	3.08	3.90	1.36	1.04	2.01	1.41	2013
July	3.30	1.43	1.76	1.93	1.58	5.00	2.57	2.71	4.97	3.63	2788
August	4.38	2.99	0.89	1.99	1.45	1.20	1.38	3.51	2.66	1.16	1811
September	2.35	3.32	2.47	1.99	4.00	3.80	1.74	2.51	.72	1.89	2379
October	1.73	4.64	3.73	1.34	4.22	2.00	3.28	3.30	3.40	2.63	3047
November	4.94	1.76	0.91	1.66	5.72	2.60	1.53	3.27	4.36	1.21	3396
December	1.28	1.19	0.49	6.15	3.78	4.00	2.44	3.74	2.31	1.36	2674
TOTALS	31.53	31.21	25.65	25.41	32.18	(3200)	NR.	31.42	26.67	33.94	27.80
	D	D	D	D	D			D	D	D	

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.

W.M. Hunt B.Sc.
Met. & Hyd. Dept.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	Parish Church.	Distance 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.

2172

41

RAINFALL at Dowdeswell Reservoir.

County of Gloucestershire.

Observer G. Gould, M.A., F.G.S., C.E.

River Basin Severn, Left Bank Tribs:-3

Bathurst & Glos. Water Board.

Type of Gauge.

Annual Average 30.0 in. based on 41 years obs. un-weighted. Period of average 1881 - 1915 Ref. S

File 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	2643
February	2.96	.60	1.51	.96	2.11	1.92	1.04	1.13	1.54	6.87	2034
March	2.79	2.06	.89	.37	1.17	.86	5.66	1.43	1.38	1.68	1829
April	1.20	1.55	.96	1.10	1.10	2.12	2.83	2.31	2.24	1.90	7.31
May	1.87	4.13	3.05	.75	2.07	3.17	1.81	3.57	2.32	2.12	2486
June	2.20	.16	1.73	2.70	2.79	2.64	1.91	2.34	.62	2.48	1954
July	3.04	2.24	.61	2.25	1.31	1.09	2.69	.71	.93	3.07	1794
August	4.24	4.01	2.21	3.12	1.61	6.09	.38	4.06	.92	4.82	3146
September	.59	1.73	2.10	2.69	1.51	3.87	2.09	3.10	1.84	3.58	2310
October	2.00	2.76	2.38	4.52	2.91	.50	.42	2.99	6.00	.66	2514
November	2.57	1.68	1.50	4.66	.28	6.06	1.50	.93	3.25	6.07	2850
December	1.78	3.75	1.37	2.52	5.01	2.81	2.07	4.67	1.21	1.69	2688
TOTALS	27.76	27.61	24.12	27.66	23.66	33.33	24.49	32.54	23.66	34.96	27979

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			Ansdonv Ordn	2 mi 80 yds	E.	St. Michaels	1 mi 100 yds	E.

Station No. 2172

RAINFALL at Dowdeswell Reservoir

County of Gloucester

Observer Cheltenham & Gloucester Water Board

River Basin Severn. L. Bank Trib. 3

Boro' Water Engineers

Type of Gauge

Annual Average 30.0 in. based on 41 years obs., unweighted. Period of average 1881-1915 Ref. S
 30.06 " " 35 " " 1916-1950 1916-1950 P
 File No. 768354/27

Diameter	5"			458	844							
Height	1' 3"					1						
Altitude	357'					51						
Year	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means	Total
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	3.55	2.99	1.98	3.42	22.15	
August	5.53	5.70	3.04	4.65	3.0	5.70	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	36.92	23.93	26.09	27.37	32.41	30.06	38.21	306.11	
	D	D	D	D	D	D	D	D	D	D		

1951 Boundary Wall 6' high at 10 yds N.

Position of Station on Ordnance One-Inch map : No. of Map National Grid Reference So[32]9897198

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge
1951			Andoversford	180 ²	E.	St Michaels	1m 16yds 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 ✓	✓	✓ ✓