

Rainfall at Chew Magna Reservoir
about 6 m from Bristol
to W Bragge Esq
Somerset.

Diameter of Gauge, 5 in. Height above Ground, 1 ft. 0 in. Above Mean Sea Level, 100 ft.

L. avon - 1.

YEAR - -	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	MEANS.
January - -						2.02	6.04	3.57	5.73	6.34	
February - -						2.89	4.28	2.88	2.38	3.14	
March - - -						1.37	2.17	4.83	1.71	1.83	
April - - -						.74	1.53	4.03	2.60	1.09	
May - - -						2.79	.82	2.73	1.08	5.43	
June - - -						1.76	3.78	.85	.87	.70	
July - - -						4.63	3.02	3.06	.88	1.16	
August - - -						6.15	3.93	2.64	5.78	1.20	
September -						.04	7.07	1.29	3.43	5.41	
October - -						5.62	2.09	3.55	3.81	2.32	
November -						4.22	2.47	1.62	1.87	2.32	
December -						2.64	3.67	1.91	6.17	4.21	
TOTALS -						34.87	40.87	32.96	36.31	35.15	
	C	C	C	C	C						

RAINFALL AT Chew Magna.

Lat..... Lon..... County of, Somerset A.....

..... Rain Gauge, by..... Observer ... British W.W.....

L. avon - I.

Diameter	5										
Height	1										
Altitude	160										
YEAR	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January.....	2.44	2.41	7.04	5.10	4.43	5.27	2.82	5.11	1.74	4.49	4.085
February	1.84	1.87	4.50	1.34	2.72	2.50	4.85	2.80	1.76	4.45	2.863
March	1.20	1.44	3.10	4.06	1.77	1.43	4.59	3.00	2.02	1.18	2.379
April	82	3.89	2.70	1.02	2.40	2.08	3.37	2.79	3.21	2.70	2.498
May	1.23	1.74	2.47	2.10	6.3	2.75	5.1	2.87	6.81	3.33	2.344
June.....	- .68	1.72	4.50	1.29	.83	3.79	.95	1.04	1.85	5.50	2.215
July	1.25	7.05	3.58	3.51	1.21	5.43	1.60	4.39	1.75	4.38	3.395
August.....	2.42	1.32	3.23	4.07	5.41	1.31	6.32	4.50	4.94	8.33	4.185
September.....	1.40	5.31	2.87	2.82	7.28	5.09	7.20	2.57	2.36	4.55	4.145
October.....	+ 6.83	2.52	4.79	4.07	5.57	6.16	3.10	2.84	6.10	1.67	4.365
November.....	3.18	.68	4.99	3.17	2.70	5.21	4.66	5.81	3.86	.77	3.503
December.....	1.80	2.68	5.14	.90	4.00	1.24	7.35	2.64	2.36	1.69	2.980
TOTALS	25.09	31.63	48.71	33.45	38.99	42.26	47.32	40.36	38.76	43.04	38.954

RAINFALL AT Chew Magna

80

Lat. _____

Loa. _____ County of Somerset

Rain Gauge, by _____

Observer Bristol Water Works

P. avon - 1.

Diameter	57										
Height	1.0										
Altitude	160 T										
Year	1880	1881	1882	1883	1884*	1885	1886	1887	1888	1889	MEANS.
January	76	1.29	2.38	4.45	5.11	2.79	4.95	2.95	1.22	1.05	2.695
February	4.62	4.09	2.66	4.44	2.02	4.93	94	.69	1.39	1.89	2.764
March	2.72	2.26	2.44	1.22	3.85	1.33	2.60	3.17	3.60	4.57	2.726
April	2.09	.87	4.97	.70	1.61	2.69	3.26	1.41	2.83	4.24	2.466
May95	2.61	1.66	1.37	2.78	3.22	5.04	2.10	1.82	3.38	2.493
June	1.71	3.40	4.71	2.36	3.66	1.40	.95	.96	3.51	.86	2.352
July	4.63	2.79	5.07	3.10	4.01	.86	3.50	1.20	7.22	3.21	3.558
August38	5.90	4.94	2.64	2.77	2.73	3.47	1.89	2.49	5.01	3.222
September....	5.03	2.05	3.30	4.76	2.06	5.65	2.36	4.49	1.55	1.30	3.264
October.....	6.23	2.26	3.07	3.62	1.01	5.41	6.01	3.15	1.41	3.29	3.846
November....	3.40	4.56	5.94	4.98	1.84	5.53	5.10	3.31	6.99	1.71	4.336
December....	5.30	4.17	5.96	1.68	4.96	1.43	7.45	3.04	3.73	2.59	4.019
TOTALS	87.82	36.25	50.19	35.17	35.18	37.96	45.62	28.36	37.76	33.10	37.741

RAINFALL AT Chew Magna

Lat.

Lon.

County of

Somerset

Rain Gauge, by

Observer

Bristol Water Works

L. avon - 1.

Diameter	5										
Height	10										
Altitude	160 T										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	4.05	3.47	1.51	2.86	3.52	4.14	.57	1.88	.91	5.52	2.842
February97	.02	1.91	5.57	3.55	.16	.62	3.61	2.35	3.93	2.269
March	1.54	2.39	.85	.58	2.85	2.93	3.53	5.34	.79	1.02	2.182
April.....	1.69	1.45	1.31	.13	3.09	2.70	.99	3.42	1.97	3.25	2.000
May	2.26	3.97	1.50	1.28	1.83	.82	.26	1.26	3.49	2.66	1.943
June	4.75	1.77	2.09	1.26	2.50	.60	1.69	2.22	2.03	.89	1.980
July	4.28	3.57	2.73	4.02	5.93	4.04	1.70	2.20	.38	.51	2.936
August	3.45	8.32	4.77	3.25	3.42	3.85	2.17	6.10	3.08	1.52	3.993
September....	1.61	2.37	3.82	2.75	3.15	1.13	5.84	4.21	1.07	4.27	3.022
October.....	2.06	8.62	3.56	5.97	3.65	4.86	3.40	1.45	5.99	3.59	11.215
November....	2.64	3.61	3.29	3.01	6.80	5.29	1.07	2.23	3.48	3.40	3.482
December	1.50	5.94	1.63	3.86	3.04	2.64	4.57	5.00	4.89	2.74	3.581
TOTALS	30.80	45.50	28.97	34.54	43.33	33.16	26.41	38.92	30.43	33.30	34.536

RAINFALL AT Chew Magna

Lat.

Lon.

County of Somerset North

Rain Gauge, by

Observer Bristol Water Works Co

J.A.McPherson Esq C.E.

L. avon - I.

Diameter ..	5									
Height	10						14			
Altitude ..	160 T						180 T			
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	MEANS.
January ..	5.01	2.35	1.86	4.55	3.76	.99	5.82	1.83	2.06	1.44 2.917
February ..	6.51	1.10	1.23	2.15	4.11	1.06	2.50	.81	2.01	.65 2.213
March	1.64	3.27	1.68	4.82	2.16	5.46	2.65	1.15	3.57	3.11 2.951
April	1.61	3.32	1.55	2.84	2.58	2.66	1.20	3.38	2.74	2.76 2.464
May	2.66	1.29	2.16	3.76	3.11	.17	3.17	3.08	1.27	1.82 2.244
June	2.83	2.32	3.21	5.52	1.48	4.14	2.54	2.94	.57	5.14 3.069
July82	2.37	2.10	2.64	3.18	.79	1.68	3.09	2.39	3.40 2.246
August	3.69	2.36	3.66	5.33	2.88	4.10	2.19	2.96	4.93	2.26 3.436
September ..	.91	1.81	2.26	3.20	1.60	1.93	.96	.70	2.37	3.01 1.875
October	4.11	2.26	2.40	9.75	1.47	1.99	5.53	5.89	1.60	5.99 4.099
November ..	3.53	.69	2.93	2.13	2.52	3.08	3.46	3.26	1.35	1.62 2.457
December ..	6.05	5.85	2.62	3.81	2.45	1.39	2.11	6.50	2.97	5.13 3.888
TOTALS ..	39.37	28.99	27.66	50.50	31.30	27.76	33.31	35.59	27.83	36.33 63.864 55

1905 Pensford Station 3 miles E
 Tree 38' high 25 yards NE
 1906 Chew Magna Church 1/2 mile E

10

RAINFALL at Chew Magna

1978

County of Somerset

Observer J. A. McPherson Esq C.E.

River Basin Lower C

Lower Arroyo

Snowdon Rain Gauge, by

1910 Trees 30 ft high 27 yards NE

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
19/0			Penxford	3 Miles	E	Chew Magna	1/2 Miles	E

1978.
20

RAINFALL at Chawdagna

County of Somerscshire.

Observer J. G. de la Phepon Esq., C.E.

River Basin Co. Ann - /

Bristol 612.

Showdon Rain Gauge, by

Diameter ...	5"											
Height	14											1.0
Altitude ...	180											
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 MEANS:	
January ...	5.32	4.29	3.47	2.40	4.52	3.43	5.36	4.10	6.26	1.26	5.54	Totals. 45.95
February ...	1.76	.37	4.75	7.74	.48	4.62	2.03	3.62	3.37	1.59	.70	31.11
March 2.95	2.53	3.34	1.26	1.80	.49	.80	3.24	2.89	.32	2.22		21.84
April..... 5.46	.85	3.28	2.73	3.72	2.02	2.95	1.53	1.33	.98	2.35		27.20
May 2.16	2.14	1.04	1.79	4.35	4.85	2.59	1.13	.93	2.40	2.15		25.53
June	9.77	.21	1.81	.54	3.03	.03	1.97	3.25	2.25	1.77	.53	19.16
July	5.83	.92	4.90	1.76	4.42	4.43	2.53	6.17	4.17	1.47	2.45	39.05
August	1.58	2.08	5.00	3.21	5.07	3.96	2.83	5.17	2.85	3.88	6.20	41.83
September...	1.71	2.98	3.17	3.35	3.22	3.97	1.47	6.44	3.48	.65	4.77	33.21
October..... 3.04	1.65	1.94	4.83	6.25	4.44	5.48	2.76	6.36	6.21	3.39	4.35	46.35
November... 2.19	2.41	1.92	3.49	3.36	2.55	8.05	3.21	3.33	9.71	4.81	45.03	
December... 2.37	2.66	5.28	3.34	5.25	4.48	.59	3.28	4.17	8.46	3.63	44.50	
TOTALS... 29.14	23.09	39.93	36.44	45.47	39.27	36.70	43.90	39.39	38.69	38.74	420.76	446

1920. Dec 20 softy. 25th off N.E.

1927 Inspected 6/9 Lee Green file. New site
not so sheltered selected.

Position of Station on reduced Ordnance Survey Map, 2 miles to 1 inch Series			No. of Map	Reference No.				
Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge	Direction
1920.			Bromford	2 m. E.		Chawdagna	2 m. E.	

RAINFALL at Chew Magna

County of Somersetshire

Observer J.A. McPherson, Esq., C.E.

River Basin Lower Avon - 1

A.M. Paterson, Esq., C.E.

Type of Gauge Standard

Annual Average 31.2 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. Av. W.S.

660556/26

Diameter	5.											Totals.
Height	1.0.											Means
Altitude	180.											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940		
January	2.71	4.82	3.67	2.87	1.93	3.42	4.79	5.22	5.04	2.66	36.43	
February	2.56	1.05	4.10	2.29	2.92	2.65	5.71	1.45	2.12	2.85	24.70	
March	.98	2.20	3.77	2.18	1.81	2.71	3.70	3.36	1.64	2.92	21.27	
April	2.62	3.89	1.01	2.86	4.20	2.15	2.30	2.24	3.51	2.39	24.67	
May	3.04	5.98	1.95	1.37	1.12	1.89	3.04	1.99	1.88	2.83	23.59	
June	3.24	1.54	1.17	1.68	5.87	3.21	1.47	1.28	2.58	.88	22.92	
July	5.18	4.75	2.01	2.42	1.57	5.85	3.13	3.33	4.86	5.93	39.03	
August	5.37	1.75	1.61	3.70	1.77	1.47	1.84	3.50	3.48	1.31	22.80	
September	1.86	6.08	2.26	2.54	6.59	3.39	1.94	3.12	1.11	2.71	31.60	
October	1.54	6.81	3.12	2.75	6.70	1.68	3.35	6.80	3.06	4.38	40.19	
November	1.65	2.12	1.60	1.59	6.81	4.36	1.80	5.89	7.76	9.14	44.72	
December	1.71	2.45	1.18	1.20	3.85	3.58	1.86	3.49	2.62	2.10	30.04	
TOTALS	35.46	41.94	26.45	31.45	42.14	35.16	35.90	36.67	33.66	39.10	361.96	660556/26

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	Parish Church.	Distance from gauge

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

Station No. T.F. 1978

RAINFALL at Clew Magna

41

County of Somersetshire

Observer A.M. Paterson Esq., C.G.

River Basin Lower Pennant

Type of Gauge Standard

Annual Average 36.3 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. A.W.S.

File No. 660556/26

Diameter	5"				417	082					
Height	1' 0"						1				
Altitude	180'						41				
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	3.67	3.50	6.03	2.46	2.46	3.32	2.52	6.92	1.09	.63	Totals 32.60
February	3.11	.25	2.21	.97	3.56	3.57	1.59	1.88	1.81	6.60	25.58
March	3.74	2.42	1.12	.47	1.14	1.01	6.92	1.94	1.62	1.04	20.82
April	1.32	1.17	1.13	2.89	.96	2.54	2.93	2.09	1.88	2.70	19.61
May	1.60	5.36	2.81	1.22	3.23	4.40	3.07	4.63	4.05	2.10	32.37
June	2.41	.43	1.80	2.76	4.57	3.76	1.91	2.82	.84	1.59	22.89
July	1.72	2.83	2.46	2.64	1.69	1.55	2.68	1.48	1.48	5.68	26.21
August	6.51	4.35	4.55	3.14	2.05	5.31	.91	5.44	1.90	5.99	40.15
September	.67	2.21	2.69	3.50	2.47	5.15	2.05	2.78	2.06	5.82	29.40
October	1.99	5.17	3.24	5.47	4.13	.94	.60	5.01	7.24	1.56	35.35
November	2.32	1.88	2.82	7.28	.43	6.31	2.76	1.69	4.50	6.52	36.51
December	2.21	3.55	2.26	3.59	6.49	3.87	3.02	5.67	2.08	2.14	34.68
TOTALS	31.27	33.12	33.12	36.39	33.18	41.73	30.36	42.05	30.52	42.37	354.14

1989 Total 16.
1950 Total 16.25 in - P.O. 362.

1951 Tree 40-soft lign 72' SW.

31.77

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

Station No. 1978 TEL

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RAINFALL at Clew Magna

County of Somerset

Observer A. M. Paterson Esq. G.E.,

River Basin Lower Avon - 1

R. W. M. Melville Esq. (1950)

Type of Gauge Standard Mk II Inspection

Annual Average 36.3 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. R.W.S.
 37.18 - - - - 1916-1950 1916-1950 File No. 126086/26 P
 E21724/67

Diameter ...	5"				4.7	082					
Height ...	1' 0"					1					
Altitude ...	180'					51					
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	3.76	3.01	.71	2.60	4.12	4.51					
February ...	4.45	.60	2.09	4.32	2.32	.32					
March ...	3.60	3.27	.86	3.26	1.27	#					
April ...	3.96	1.71	3.54	.73	1.31						
May ...	2.16	4.81	1.97	2.52	4.01						
June92	3.08	1.81	5.21	2.76						
July ...	1.03	.81	4.49	3.78	.24						
August ...	5.78	5.58	4.07	2.50	.53						
September ...	2.98	3.51	3.99	5.73	2.15						
October ...	1.44	4.60	2.41	4.41	1.60						
November ...	7.56	4.34	2.58	7.05	4.24						
December ...	2.76	2.72	1.18	2.92	4.75						
TOTALS ...	40.70	38.04	29.70	45.63	29.20	Incl.					
	A	D	D	D	d						

1951 October. Tree 40' soft, high 72 ft. South-west.

1955. From June onwards only weekly ("temporarily").

Inspected 31.10.55 by Dealer. Gauge sound, source certified, site of SW & NE by trees.

Recommended move 100' NW to satisfactory site.

1956. Discontinued with 1st March 1956.

Position of Station on Ordnance One-Inch map :

No. of Map 165

National Grid Reference 31 / ST 86 32

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Parish Church.	Distance 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
Record D, or d	✓	✓	✓	✓	✓