

3578

RAINFALL AT Leeds Wortley Res 80

Lat. _____ Lon. _____ County of York, W. R.
 Rain Gauge, by _____ Observer E. F. Miller, Esq., C.E.

Rise - Aie 9.

Diameter		8									
Height		0.9									
Altitude		307 ft									
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January		4.1	3.23	4.53	4.64	1.69	4.05	1.86	1.04	1.07	
February		4.08	1.98	2.09	2.22	2.78	4.7	.93	.78	1.41	
March		4.23	3.02	.69	1.74	1.88	3.10	1.46	2.89	2.25	
April		1.61	3.91	3.29	2.33	1.67	1.87	.81	2.70	2.12	
May		1.72	1.58	1.13	1.30	2.38	4.83	2.54	1.05	3.36	
June		2.83	3.87	3.81	.72	3.49	.79	.09	2.83	.34	
July		2.56	4.60	3.62	4.19	.91	6.36	1.27	4.84	1.41	
August		4.38	2.25	2.38	1.17	.90	2.20	1.38	1.95	3.81	
September...		3.38	2.07	5.15	1.88	2.89	1.24	3.01	.68	1.15	
October		3.27	5.24	3.64	1.88	4.78	4.40	2.47	.73	4.11	
November...		4.02	4.30	3.42	1.14	2.46	1.99	2.21	6.99	1.06	
December		3.01	3.67	1.36	3.26	.57	4.02	2.13	1.93	1.79	
TOTALS		35.50	39.72	35.11	26.47	26.19	35.32	20.16	28.61	23.88	

Hyd. Sta. No. 39-076077

NCR: SE (4x) 267326

all 94 m 307 ft.

RAINFALL AT *Leeds Wortley Reservoir*

Lat. _____

Lon. _____

County of _____

York W.R.

Rain Gauge, by _____

Observer

*J. Henson Esq. C.E.**Rise: Aire & Calder 9*

Diameter	8											
Height	0 9											
Altitude	307 ft											
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January	3.88	1.59	1.58	.97	2.78	3.66	.71	2.23	1.12	4.58	2.310	
February ....	.87	.02	2.22	2.91	4.99	.52	.95	3.21	2.01	1.86	1.954	
March	1.95	1.19	1.19	.24	1.86	2.11	3.58	2.91	1.66	1.23	1.792	
April .....	.65	1.83	1.18	.79	2.66	1.66	1.60	2.21	2.78	2.00	1.756	
May	3.46	2.44	3.08	1.93	1.41	.46	.56	1.02	2.27	2.70	1.933	
June	3.88	1.08	4.25	1.34	2.44	4.01	3.87	3.64	2.07	1.78	2.836	
July	2.63	3.90	1.99	4.56	2.81	6.68	2.23	.45	.82	1.62	2.769	
August	4.87	4.44	2.69	1.66	2.50	1.73	1.97	3.02	3.43	1.52	2.783	
September....	2.33	1.89	1.42	1.64	.84	.87	4.27	2.71	.37	3.25	1.959	
October .....	.74	3.73	6.42	2.28	3.95	3.54	4.43	1.62	3.54	2.21	3.246	
November....	2.62	3.33	1.80	1.57	1.92	3.50	1.57	2.47	2.55	1.22	2.253	
December ....	.84	4.93	.62	3.11	1.54	3.18	3.36	3.18	3.10	3.21	2.707	
TOTALS . . .	28.92	30.37	28.44	23.00	29.70	31.92	29.10	28.67	25.72	27.18	28.302	

*Hyd Sta. No. 39. 076077**N.R. SK (44) 267326**alt 307 ft. 94 m.**N.B. Rejected from survey as 2" high.*

RAINFALL AT *Leeds Worthy Reservoir*

Lat.

Lon.

County of *York W.R. Central*

Rain Gauge, by

Observer *J. Newman Esq. C.E.*
C.F. Hurrell Esq. C.E.

Open Air G.

Diameter	8										
Height	0 9										
Altitude	307 ft										
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEAN.
January	3.81	1.33	1.11	2.24	3.00	.79	3.20	.94	1.65	1.41	1.948
February	4.29	1.05	1.33	2.35	4.55	1.28	2.24	1.79	1.67	.69	2.124
March	.46	1.63	.93	3.23	2.06	2.34	1.81	1.90	3.42	3.62	2.140
April	.94	1.98	1.60	1.43	1.39	2.54	.47	1.76	2.35	2.64	1.710
May	1.18	.92	2.87	3.43	3.00	.60	2.17	3.66	2.39	1.70	2.192
June	2.78	1.03	1.61	1.43	.93	1.73	1.77	2.39	1.17	2.61	1.745
July	3.97	1.39	1.96	2.71	1.57	1.26	1.88	2.25	3.13	3.15	2.327
August	4.62	1.25	3.69	2.38	3.19	4.76	1.94	1.67	2.31	2.12	2.793
September	.51	.94	1.00	4.15	.81	1.43	.64	.65	2.59	1.67	1.439
October	3.44	1.75	2.55	7.76	.43	2.13	4.55	5.61	1.49	2.01	3.172
November	3.15	3.02	1.67	1.21	1.70	3.80	3.48	3.24	1.53	.39	2.322
December	2.96	4.45	2.54	1.38	1.69	.27	2.49	3.19	1.70	4.07	2.474
TOTALS	32.11	20.74	22.86	33.70	24.35	22.93	26.64	29.05	25.40	26.08	26.586

Hyd Sta. No. 39- 076077

N.G.A. Sta (44) 267326

alt. 307 ft 94 in.

RAINFALL at Leeds Wortley ReservoirCounty of W. YorkshireObserver C. G. Hurrell Esq C.E.River Basin Don. Aire 9

Rain Gauge, by _____

Hyd Sta No. 39-076077NGR: SE (44) 267326

Diameter ...	8											
Height	0 9											
Altitude ...	307 ft											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1910-1919 MEANS. Totals	
January ...	2.79	.68	4.51	3.78	1.48	3.88	1.45	1.94	1.87	3.80	9.06	
February ...	2.13	1.74	1.60	.74	1.69	3.33	3.96	.67	2.96	1.94	9.53	
March .....	.39	.80	3.28	3.07	2.40	.74	3.94	2.47	1.31	3.96	11.68
April	2.10	.83	.19	2.47	1.35	1.04	1.34	2.04	1.16	1.68	6.19	
May	1.75	.74	3.01	2.42	1.05	1.69	2.35	2.49	3.08	1.89	9.81	
June	2.16	3.90	5.08	1.13	1.89	2.45	1.83	1.25	1.38	.75	5.21	
July	2.80	.52	4.42	.84	3.16	3.87	1.24	1.05	4.43	2.36	9.08	
August	3.69	1.93	5.02	.98	1.78	2.98	2.24	5.24	2.21	2.25	11.94	
September ..	.11	2.61	1.07	1.13	1.04	.67	1.76	.85	6.90	.89	10.38	
October ...	3.10	2.35	2.60	2.68	2.19	1.18	4.10	4.49	1.78	2.71	13.08	
November ..	3.97	2.86	1.70	2.35	3.22	2.25	2.98	1.79	1.28	2.22	8.27	
December ...	2.76	3.62	2.35	2.08	5.17	6.62	2.37	1.64	4.60	4.12	12.73	
TOTALS ...	27.75	22.58	34.83	23.67	26.82	30.70	29.58	25.92	32.96	28.52	116.96	

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.

RAINFALL at Leeds Wortley ReservoirCounty of W. R. YorkshireObserver G. F. Hengell Esq. G.E.River Basin Cuse. Aire g(1925) H. Shortreed. C.E.

Rain Gauge, by

Leeds W.D.

Diameter ...	8											
Height	0	9										
Altitude ...	307											
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	
January ...	3.07	3.69	3.22	1.56	1.91	2.18	2.43	1.93	6.06	1.87	4.16	32.03
February ...	1.90	2.1	2.80	4.28	1.84	3.80	2.32	1.07	2.59	1.47	1.48	20.80
March	2.22	1.46	1.85	1.68	1.09	1.67	.72	2.36	2.19	1.30	2.82	17.36
April	3.81	1.47	2.72	1.84	1.50	3.12	1.41	2.09	.75	1.15	2.26	22.10
May	2.83	1.31	1.06	2.97	3.45	4.37	2.91	2.03	2.07	1.36	2.23	26.59
June	1.64	.07	1.36	1.17	1.86	.02	3.12	1.46	4.25	.87	1.64	17.44
July	6.18	.56	3.37	4.01	2.61	.67	2.65	4.40	1.44	2.90	5.41	33.20
August	1.79	4.25	4.64	2.42	2.74	2.33	3.39	5.45	4.29	1.95	3.77	37.02
September...	1.43	1.05	2.68	2.40	2.28	2.72	.90	3.72	.24	.70	3.63	21.75
October	2.23	1.93	.84	2.30	2.96	2.96	2.85	2.17	4.70	3.10	3.44	29.62
November...	1.30	2.58	1.50	3.12	2.20	1.71	4.43	2.99	4.28	4.62	4.07	32.80
December...	2.70	3.55	3.40	2.64	3.61	3.76	.97	2.22	1.65	5.58	2.27	32.33
TOTALS...	31.10	22	1329.44	30.39	27.05	28.35	28.10	31.89	33.65	24.87	36.18	323.15

Hga Sta. No. 39-076077

Position of Station on reduced Ordnance Survey
Map, 2 miles to 1 inch Series

No. of Map

Reference No. SK (NW) 267326

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

RAINFALL at Leeds (Wortley Reservoir)County of West RidingObserver H. Shortreed, Esq., CE.River Basin Ouse - Aire - 9.H. W. Fennell Esq., C.E. (1939)

Type of Gauge.....

Annual Average 28.1 in. based on 35 years obs. un-weighted. Period of average 1881-1910 Ref 5

780902/27

Diameter	4.											
Height	0.9.											
Altitude	307.											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means 1931-40	
January	1.85	1.49	1.80	1.82	1.21	3.14	3.04	3.23	4.56	2.87	24.51	
February	2.38	.13	3.88	.22	3.12	2.41	4.27	1.36	1.53	2.43	21.70	
March	27	1.60	1.78	2.14	1.01	1.68	2.11	.24	1.86	1.96	14.65	
April	3.12	2.51	1.80	2.69	2.78	1.37	3.12	.08	1.03	2.57	20.77	
May	2.65	4.24	3.37	1.41	.89	1.66	2.75	3.97	1.60	.67	23.21	
June	5.37	.30	1.00	1.76	3.10	3.94	2.31	2.53	2.41	.36	23.08	
July	3.71	2.99	2.04	2.14	.47	3.10	2.61	3.68	3.72	3.13	27.59	
August	3.88	.84	0.45	.99	1.61	1.63	1.03	3.57	1.40	.31	15.71	
September	3.89	2.05	1.43	2.39	5.58	2.96	1.50	2.30	0.97	1.77	24.84	
October	1.04	3.50	3.68	2.01	5.33	1.97	2.18	4.31	2.09	3.20	29.31	
November	4.60	1.62	1.89	1.80	4.67	3.55	1.72	3.52	3.96	5.28	32.61	
December	1.03	.93	0.44	4.28	2.57	1.76	2.17	3.00	1.69	1.72	19.59	
TOTALS	33.79	22.20	23.23	23.65	32.34	29.17	28.81	31.79	26.82	25.77	277.57	

Inspected 1934:- Recommended that gauge should be sunk until rim is 1ft. above ground, that rain should be caught in glass bottle and flat-bottomed measure be replaced by a tapered one.
Recommendations carried out - see p. Encl. 452

1940 - Jan. correction for snow.

Hyd. Sta. No. 39-076077

Position of Station on reduced Ordnance Survey Map,
1 mile to 1 inch Series

No. of Map.....

Reference No. 95(44)267326

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

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

Station No. T.F. 3278

RAINFALL at Leeds (Wharfedale Reservoir) ✓

41

County of West Riding Observer K. L. Foster Esq. CE

River Basin Aire - Aire g.

Type of Gauge

Annual Average 28.1 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref.

File No. 789902/27

Diameter	8"			076 077								
Height	0' 9"			1								
Altitude	307'			41								
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means Totals	1941-50
January	2.63	2.71	3.41	3.25	2.67	3.02	2.15	6.43	1.10	1.64	29.01	
February	2.53	1.16	1.12	.94	3.03	3.21	3.00	1.88	1.41	4.61	22.89	
March	3.41	2.43	.71	.13	4.8	1.23	5.01	1.06	1.15	1.10	16.71	
April	1.98	1.58	1.31	1.95	1.82	1.60	2.40	1.63	2.22	2.79	19.28	
May	1.32	2.62	2.37	1.07	3.45	2.51	3.22	1.33	2.13	1.81	21.33	
June	.26	.89	1.78	1.80	3.26	1.74	2.63	2.94	.95	.76	17.01	
July	1.92	2.09	1.14	2.51	1.54	2.58	2.85	.93	2.92	3.26	21.74	
August	2.47	2.84	2.65	2.76	2.48	3.92	.41	3.70	2.19	6.35	29.80	
September	.29	1.43	2.85	4.75	1.77	4.66	1.23	.89	.98	3.25	22.10	
October	2.90	1.87	1.78	2.95	4.26	.76	.80	.92	3.35	1.28	20.87	
November	2.92	1.16	2.22	5.18	.19	4.73	2.26	1.22	3.62	4.18	27.48	
December	.77	1.59	1.45	3.10	1.86	2.68	2.24	2.42	3.37	1.53	21.01	
TOTALS	23.20	22.37	22.79	30.39	26.81	32.64	28.20	25.38	25.39	32.06	269.23	

287.17

Position of Station on reduced Ordnance Survey Map,
1 mile to 1 inch Series

No. of Map

Reference No. 267326

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

BRITISH RAINFALL ORGANIZATION

Station No. 3278RAINFALL at Leeds (Wortley Reservoir)

51

County of West Riding - Yorks.Observer K. L. Forster Esq. C.E.River Basin Cuse - Aire - 9Type of Gauge M.O.Annual Average 28.1 in. based on 25 years obs. un-weighted.Period of average 1881-1915 Ref E 23380/5828.20 1916-1950File No. 72/102/27

Diameter ...	8"	5"		076	077						
Height ...	0' 9"				1			1' 0"			
Altitude ...	307'				51						
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means Total
January ...	2.17	2.27	.47	2.16	1.77	4.27	1.47	2.67	2.81	4.93	25.04
February ...	3.04	.47	1.65	2.75	1.87	1.10	3.00	5.15	.08	1.74	20.85
March ...	2.93	1.77	.78	1.99	2.53	.82	1.91	1.87	1.26	2.13	17.99
April ...	.97	1.31	2.16	.32	.79	2.23	.19	.35	3.30	0.86	12.48
May ...	3.83	1.47	1.37	3.13	2.39	.54	.86	3.39	.86	1.18	19.02
June ...	.74	1.59	2.11	1.64	1.50	2.73	1.38	3.68	1.81	1.48	18.66
July ...	2.42	.84	2.67	1.88	.91	3.70	2.45	4.27	1.78	3.46	24.38
August ...	4.85	2.34	2.98	6.16	.65	5.69	5.15	2.09	.47	4.46	34.84
September ...	2.29	1.90	2.34	3.00	1.05	2.97	4.07	3.08	.12	3.08	23.90
October ...	.89	4.02	1.85	3.87	1.61	1.23	2.04	1.77	2.35	5.40	25.03
November ...	5.97	1.37	2.81	4.66	2.10	.65	1.78	.69	3.24	5.37	28.64
December ...	2.62	2.17	1.26	2.79	3.47	3.09	3.30	3.52	4.29	2.53	29.04
TOTALS ...	32.72	21.52	22.45	34.35	20.64	29.02	27.60	32.53	22.37	36.87	279.87

1951) . looks low but accept.

Inch II 1959 / BOK. One - inch from NW - E-SSW, Turf wall etc. 8 second.

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference SE 267396

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