

RAINFALL AT LeedsWestwood ReservoirObserver Eden & Gillies

Rain } By

Gauge } Diameter 0 in.Height above Ground, ft. 9 in.Above Mean Sea Level 325 ft.

YEAR.....									1868	1869	MEANS.
January.....									^A 2.97	2.76	
February									1.59	2.83	
March									2.33	1.31	
April									1.26	1.96	
May									1.25	4.23	
June.....									.18	.72	
July .....									.37	.48	
August.....									1.75	1.90	
September....									3.30	4.55	
October									2.70	1.71	
November.....									1.94	1.96	
December.....									6.38	4.63	
TOTALS									26.02	29.04	

1868 This g is in the watershed of the River Aire & is situated about 2 m NW of Leeds
g A M and entered to the day previous

RAINFALL AT *Leeds Westwood Reservoir*

70

Lat.....

Long.....

County of.....

Yorkshire W.R.

Rain Gauge, by.....

Observer.....

E. Pilliter Esq. C.E.

Diameter .....	.8	.						.	.	.	.
Height .....	.9	.						.	.	.	.
Altitude	325	.		328 ^{7K}				.	.	.	.
YEAR	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.	
January.....	2.37	.99	3.61	2.61	1.90	3.69	.82	3.73	2.76	1.47	2.345	
February.....	2.01	2.74	3.16	.87	1.16	1.33	2.41	2.11	1.05	3.19	2.003	
March	1.63	.96	2.39	2.54	1.65	.43	3.54	2.96	.70	1.41	1.821	
April .....	.81	3.58	3.38	.53	1.23	.68	2.39	3.83	2.28	2.38	2.104	
May	1.39	.90	1.41	3.27	.73	1.51	.95	2.10	4.67	1.50	1.843	
June.....	1.76	3.43	4.57	1.32	.66	2.31	2.27	1.48	3.43	4.22	2.545	
July .....	.79	2.97	5.30	2.88	2.00	3.37	1.99	3.61	.98	2.79	2.668	
August.....	2.26	1.12	2.80	2.42	1.93	2.28	2.24	4.23	5.92	3.70	2.890	
September.....	.95	5.52	4.10	1.80	2.23	2.72	3.45	3.19	2.97	1.54	2.847	
October.....	6.56	3.08	5.17	2.18	2.23	4.12	2.95	3.56	2.52	.70	3.307	
November.....	2.40	.96	4.84	2.29	2.26	3.93	3.01	2.65	3.02	1.35	2.671	
December.....	3.01	1.36	3.11	.39	2.45	1.95	6.41	2.25	1.77	1.44	2.414	
TOTALS	25.94	27.61	43.84	23.10	20.43	28.32	32.43	35.70	32.07	25.64	29.508	

C.C. C

RAINFALL AT *Lead, Westwood Reservoir*

80

Lat. _____

Lon. _____

County of *Yorkshire*

Rain Gauge, by _____

Observer *E. Fildes, Esq. C.E.*

Cuse - Que - 9.

Diameter	8										
Height	9										
Altitude	2287										
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January ....	.14	.46	2.66	3.72	3.63	1.43	4.11	2.49	.80	.84	1.998
February	2.06	3.62	1.82	2.18	2.29	2.32	.46	.97	.84	1.20	1.776
March	2.07	3.21	2.45	.92	1.70	1.46	2.54	1.30	3.51	2.45	2.160
April	2.15	1.64	3.69	3.06	2.12	1.49	1.72	.56	2.74	2.74	2.191
May	2.16	1.24	1.22	1.02	.96	2.11	5.03	2.05	.74	2.83	1.936
June	3.18	2.04	3.34	3.25	.87	2.75	.89	.07	2.64	.31	1.984
July	4.48	2.44	3.27	3.14	4.59	1.03	4.57	1.64	4.42	1.56	3.114
August	1.37	3.56	1.81	2.47	1.06	.82	3.09	1.17	2.26	3.16	2.077
September	3.58	2.55	1.77	4.82	1.85	3.38	1.33	2.80	.64	1.04	2.376
October	5.31	3.00	3.87	3.17	1.24	4.75	4.36	1.91	.51	3.70	3.182
November	2.43	3.48	3.49	2.91	1.13	1.93	1.66	1.88	5.84	.93	2.568
December	4.01	2.71	5.49	1.19	2.18	.52	3.48	1.61	1.78	1.62	2.459
TOTALS	32.94	29.95	34.88	31.85	23.62	23.98	33.24	18.15	26.72	22.38	27.771

RAINFALL AT *Leeds Westwood Reservoir*

Lat. _____

Lon. _____

County of _____

York W.R.

Rain Gauge, by _____

Observer _____

J. Hewson Esq. C.E.

Rise - Aine 9

Diameter	8										
Height	0 9										
Altitude	328 π										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	2.99	1.49	1.93	1.08	2.74	4.03	.47	2.06	.89	3.52	2.120
February	1.02	.02	2.04	3.26	4.06	.26	.79	2.71	1.58	1.90	1.765
March	1.80	1.21	1.07	.30	1.64	2.04	2.76	2.55	.89	1.10	1.536
April .....	.88	1.69	1.59	.74	2.61	1.69	1.25	1.62	2.44	1.76	1.627
May	2.74	2.04	2.86	1.76	1.50	.43	.49	.86	2.11	3.22	1.801
June	2.71	1.14	4.57	1.45	2.73	3.48	3.90	3.40	1.61	1.47	2.646
July	1.88	3.06	1.44	4.60	2.86	5.32	1.67	.47	.62	1.79	2.371
August	3.93	3.30	2.76	1.46	2.25	1.92	1.94	2.64	3.36	1.72	2.528
September....	1.70	1.54	1.27	1.56	.67	.82	3.65	2.26	.45	3.47	1.739
October .....	.85	3.87	6.90	2.12	4.49	3.20	4.00	1.74	4.01	2.45	3.363
November....	3.02	3.01	1.75	1.86	1.22	2.80	1.71	2.31	2.32	1.17	2.117
December ....	.71	4.64	.57	2.83	1.61	3.13	3.41	2.85	2.38	2.52	2.465
TOTALS . . .	24.23	27.01	28.75	23.02	28.38	29.12	26.04	25.47	22.66	26.09	26.077

1870

RAINFALL AT Leeds Westwood Reservoir

Lat.

Lon.

County of York W. Central

Rain Gauge, by

Observer J. H. Henson Esq. C.E.
C. G. Hensley C.E.

Base - Rise 9

Diameter ..	8										
Height	0 9										
Altitude ..	328 ^{ft}										
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	3.88	1.66	1.16	1.99	2.78	.75	2.19	.88			
February ..	4.26	1.54	1.38	1.93	3.51	1.22	1.99	1.43			
March ....	.62	1.65	.71	3.27	1.72	2.09	1.58	1.69			
April	1.17	2.46	1.52	1.16	1.48	2.24	.51	1.21			
May	1.17	.95	2.77	3.15	2.82	.63	1.84	2.31			
June	2.52	.85	1.69	1.62	1.19	1.48	1.21	3.14			
July	3.43	.99	1.98	3.00	2.93	1.43	1.27	1.71			
August	4.54	1.24	3.16	2.72	3.26	4.00	1.75	1.66			
September ..	.63	.99	1.07	3.62	.99	1.47	.53	.44			
October	3.28	1.74	2.58	7.04	.50	1.93	4.06	6.57			
November ..	2.91	3.76	1.58	1.46	1.94	3.78	3.21	3.00			
December ..	2.96	4.69	2.33	1.07	1.75	.34	2.47	2.60			
TOTALS ..	31.37	22.52	21.93	32.03	24.87	21.36	23.61	[#] 27.02	see new g.		

RAINFALL AT Leeds Westwood Reservoir

Lat.

Lon.

County of W. York. Central

Rain Gauge, by

Observer C. G. Hargreaves, C.E.Case - Air 9. New

Diameter ..							8				
Height							0 9				
Altitude ..							328				
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..							3.01	.83	1.10	1.25	
February ..							1.85	1.43	1.21	.61	
March							1.40	1.69	3.59	3.39	
April .....							.49	1.21	2.45	2.89	
May							1.80	3.31	2.03	1.94	
June							1.21	3.14	.86	2.46	
July							1.25	1.71	2.73	3.30	
August							1.76	1.66	1.45	2.64	
September..							.51	.84	2.86	1.56	
October....							3.92	5.57	1.48	2.11	
November..							3.10	3.03	1.21	.52	
December ..							2.40	2.60	1.56	4.41	
TOTALS ..							22.70	27.02	22.53	27.08	

RAINFALL at Leeds Westwood Reservoir No. 1County of W YorkshreObserver C. G. Henszelle Esq, C.E.River Basin Onse-Aire 9

Rain Gauge, by _____

old gauge

Diameter ...	8										
Height	0 9										
Altitude ...	328 ft										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	4.17	.68	4.08	2.52	1.31	3.21	1.19	2.28	1.98	3.18	
February ...	2.53	1.54	1.72	.72	1.36	3.01	3.50	.54	2.68	1.48	
March .....	.43	.84	3.11	2.50	2.57	.82	3.83	2.42	1.36	3.72	
April	2.01	.79	.23	2.65	1.01	.98	1.16	1.35	.96	1.56	
May	1.79	1.09	3.22	2.55	.94	1.73	2.33	2.18	3.08	1.55	
June	2.97	3.89	4.83	1.54	1.98	1.41	2.12	1.15	1.02	1.21	
July	3.18	.48	4.52	.74	3.71	3.79	1.26	.91	3.69	3.03	
August	3.57	1.60	5.12	1.01	1.88	2.80	2.18	4.76	1.97	2.04	
September ..	.09	2.44	1.28	1.27	1.25	.76	1.69	.81	0.87	.88	
October ...	3.43	2.60	2.58	2.74	2.26	1.23	4.31	4.07	1.60	3.10	
November ..	4.28	2.39	1.57	1.76	3.40	2.09	3.57	1.61	1.01	2.13	
December ...	2.14	3.27	2.20	1.92	5.38	6.48	2.20	1.60	4.28	3.41	
TOTALS ...	30.89	21.61	34.44	22.22	27.05	28.61	29.34	23.68	29.03	27.56	

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

RAINFALL at Leeds Westwood Reservoir N. 2County of W. YorkshireObserver C. G. Hoggell Esq. C.E.River Basin Quase - Aire 9

Rain Gauge, by _____

Hard Gauge

Diameter ...	8											
Height	0 9											
Altitude ...	328 K											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS Totals	1910-19
January ...	3.91	.63	4.46	2.89	1.35	3.33	1.16	2.33	2.02	5.73	9.24	
February ...	2.28	1.43	1.87	.82	1.45	3.29	3.49	.54	2.82	2.11	8.96	
March .....	.37	.76	3.32	2.73	2.56	.84	3.74	2.44	1.41	4.21	11.80	
April	2.10	.74	.23	2.74	1.06	.97	1.14	1.27	.98	1.67	5.06	
May	1.60	1.02	3.36	2.65	.96	1.72	2.29	2.23	3.10	1.71	9.33	
June	2.87	3.83	4.93	1.56	2.05	1.42	2.11	1.14	1.14	1.16	5.55	
July	3.13	.49	4.79	.75	3.61	3.81	1.27	.91	4.00	2.98	9.16	
August	3.21	1.69	5.33	1.00	1.93	2.78	2.18	4.88	2.22	2.12	11.40	
September ..	.09	2.66	1.39	1.24	1.28	.78	1.70	.82	6.65	.87	10.04	
October ...	3.30	2.66	2.68	2.76	2.31	1.23	4.27	4.20	1.88	3.10	13.45	
November ..	3.99	2.60	1.64	1.78	3.42	2.06	3.50	1.63	1.14	2.21	8.48	
December ...	1.87	3.63	2.30	1.98	5.54	6.40	2.19	1.64	4.43	3.73	11.99	
TOTALS ...	28.72	22.14	36.30	22.90	27.52	28.63	29.04	24.03	31.79	19.60	114.46	

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

RAINFALL at Leeds Kestwood Reservoir No. 1County of W. B. YorkshireObserver C. G. Hengell Esq. C.E.River Basin Cuse-Aire 9

Rain Gauge, by _____

Gd Gauge

Diameter ...	8										
Height	0 9										
Altitude ...	328										
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEANS.
January ...	3.09	3.41	2.90								
February ...	1.62	1.16	2.75	#							
March	2.25	1.23									
April	3.38	1.29									
May	2.80	1.20									
June	1.79	0.3									
July	6.66	7.4									
August	1.65	3.90									
September...	1.32	1.06									
October	2.86	1.86									
November...	1.29	2.32									
December...	2.67	3.09									
TOTALS...	31.38	20.29									

1921: g. discontinued.

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 from gauge	Parish Church.	Distance from gauge	Direction from gauge

RAINFALL at Leeds Westwood Reservoir N:2County of W. R. YorkshireObserver G. G. Hengell Esq. C.E.River Basin Cuse-Aire 9(1925 / H. Shorthead Esq. C.E.)

Rain Gauge, by

Leeds W.D.

New Gauge

Diameter ...	8											
Height	0.9											
Altitude ...	328											
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	<u>1930</u>	
January ...	3.40	3.47	3.33	1.69	1.99	2.71	2.50	2.18	6.16	1.77	4.31	33.51
February ...	1.70	.19	2.79	4.54	.93	4.31	2.35	1.11	2.48	.55	1.05	22.00
March	2.30	1.32	1.83	1.75	1.31	.86	.91	1.96	2.34	.27	2.80	17.65
April	3.57	1.35	2.82	2.06	1.64	3.20	1.24	2.61	.75	1.22	3.07	23.53
May	2.88	1.24	.90	3.26	3.85	3.89	3.01	1.73	2.14	1.56	1.61	26.07
June	1.86	.03	1.36	.74	2.18	.15	3.75	2.73	4.38	.88	1.52	19.58
July	6.89	.73	3.90	3.79	3.45	1.02	2.52	4.96	.56	2.46	5.23	35.61
August	1.81	3.17	4.60	2.60	2.78	1.94	2.54	5.42	4.17	2.03	3.21	34.97
September...	1.33	1.10	2.69	2.46	3.09	2.79	1.40	3.64	.25	.52	3.84	23.11
October	2.79	1.88	.95	3.43	2.94	3.50	2.85	2.61	4.66	2.94	3.37	30.92
November...	1.29	2.62	1.50	3.08	2.42	2.23	4.65	2.78	5.98	4.68	3.80	33.03
December...	2.63	3.35	3.81	3.08	2.81	3.42	1.16	1.80	1.56	5.57	2.42	31.61
TOTALS...	32.45	21.15	30.48	31.48	29.39	30.02	28.88	33.53	33.43	24.45	36.23	331.49

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 from gauge	Parish Church.	Distance from gauge	Direction from gauge

RAINFALL at Leeds (Weetwood Res.)County of West RidingObserver H. Shortridge Esq., EERiver Basin Ouse - Aire - G.K. W. Fensholt Esq., C.E. (1939)

Type of Gauge

Annual Average 27.5 in. based on 25 years obs. un-weighted. Period of average 1881-1935 Ref 3

780902/27

Diameter	8.										
Height	0.9.										
Altitude	328.										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1931-40 Means Totals
January	1.88	1.77	1.83	1.78	1.30	3.41	3.51	3.23	5.00	3.35	27.06
February	2.46	.37	3.62	.30	2.99	2.67	5.14	1.34	1.15	2.40	23.24
March	.52	1.72	2.00	2.10	.97	2.02	2.56	.33	2.23	2.15	16.60
April	3.57	2.84	1.20	2.86	2.34	1.81	2.77	.11	1.17	3.25	21.92
May	2.65	5.11	3.73	1.46	.87	2.17	2.64	4.54	1.97	.78	25.92
June	5.66	.52	1.23	1.55	2.75	4.91	2.51	2.35	2.12	.40	24.00
July	3.14	2.89	2.32	2.45	.46	3.19	1.72	4.44	4.66	3.91	29.18
August	3.87	1.07	0.38	1.33	1.96	2.16	.79	5.36	1.73	.44	19.09
September	4.66	2.10	1.81	2.44	6.02	3.09	1.54	2.29	1.37	1.86	27.18
October	1.25	3.56	3.72	2.41	5.22	2.02	2.50	4.30	2.21	3.58	30.77
November	4.63	1.93	2.55	2.30	5.03	3.26	1.85	3.57	3.76	5.35	34.33
December	1.13	1.06	0.60	4.61	2.78	2.10	2.33	3.66	1.61	2.36	22.24
TOTALS	35.42	24.94	24.99	25.59	32.69	32.91	29.86	35.52	29.78	24.83	301.53

Inspected June 1934:- Recommended that gauge be set up with rim 4 ft. above ground and rain be collected in glass bottle.
Measure faulty and should be replaced.

Recommendations carried out - see p. Encl 47A

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 from gauge	Parish Church.	Distance from gauge	Direction from gauge

Station No. TF 3283RAINFALL at hards (W. set road, B&O Filter Bed) (C+A) 41County of West Riding Observer K. L. Foster Esq CE 1949River Basin Ouse - 9

Type of Gauge.....

Annual Average 22.5 in. based on 25 years obs. un-weighted. Period of average 1881-1915 Ref. 5File No. 78095/27 ^{2807/5}

Diameter	8"		076	414							
Height	0' 9"			1			1' 0"				
Altitude	328'			41			300'			328'	
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	3.81	3.48	3.85	3.18	2.74	2.66	2.55	6.03	1.37	1.41	31.08
February	3.18	1.35	1.16	1.41	2.97	2.83	4.12	1.68	1.42	4.46	24.58
March	4.14	2.41	.59	.12	.43	1.38	5.18	1.17	1.33	.99	17.74
April	2.46	1.66	1.71	2.05	1.74	1.70	2.67	1.83	2.46	2.83	24.11
May	1.46	3.11	2.45	1.24	3.35	2.14	3.40	.91	1.92	1.78	21.76
June	.26	.99	1.96	2.35	2.53	1.69	2.60	2.97	.73	1.03	17.11
July	1.92	2.08	1.43	2.77	1.77	3.22	3.08	1.23	3.12	2.80	23.42
August	3.03	3.12	3.56	2.94	2.86	4.10	.29	3.96	2.30	6.34	32.50
September	.44	1.71	2.78	4.74	1.70	4.06	1.18	.84	1.24	3.22	21.91
October	3.11	2.37	1.88	2.84	3.82	1.01	.85	.73	3.49	1.16	21.26
November	3.13	1.45	2.15	4.81	.32	5.50	2.15	1.12	4.15	4.41	29.19
December	.60	1.87	1.41	3.07	1.75	2.40	2.29	2.24	3.42	1.80	21.05
TOTALS	27.44	25.60	24.93	31.52	25.98	32.69	30.36	24.71	26.95	32.23	282.71

The City Engineer explains that he supplies daily readings for the same gauge as the Waterworks Engineer supplies on travelling from the monthly totals — the City Engineer calls station "Filter Bed" & Waterworks Engineer "Reservoir". 3.50.

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.

BRITISH RAINFALL ORGANIZATION

77: 41

51

Observer The City Engineer,

.....

第 11 页 共 11 页

Period of average.....1881-1915

Ref. 5

29.43 " " " 35 " " 1916-1950

1916-1950 [E23380/58
File No. 2809 ✓

File No.

1951. Building 10' high 60' NE. Trees 20' high 150' E & S. Earth mound 8' high 70' NW.
 1958 up Low due leak see above. Satisfactory exposure. Tuff wall not necessary.
 1958 up 4" low annual totals.
 1959:- Profit

• Tuf-wal

Monthly totals are forwarded for this station along with the Water Eng'g T. R. (41). Daily record rec'd annually. R. S. Brown

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference SE(44) 271372

Summary of Earlier Records from 10-year Sheets :

1916-1950, P - accepted

(62) Wt. 13072-389 10M 6/50 T.S. 841