

RAINFALL AT LeedsWestwood ReservoirObserver C. J. Gillibrand

Rain { By .....  
 Gauge { Diameter ..... 9 in. Height above Ground, ..... ft. 9 in. Above Mean Sea Level, 3.25 ft.

YEAR.....	1868	1869	MEANS.
January.....	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  $\frac{1}{2}$  is in the watershed of the River Aire & is situated about 2 m NW of Leeds  
 9 ft in and entered to the day previous

## RAINFALL AT Leeds Nettwood Reservoir

Lat..... Long..... County of..... Yorkshire W.R.  
 Rain Gauge, by..... Observer E. J. Gillies Esq. C.E.

Diameter .....	.8	.					.	.	.	.	.
Height .....	.9	.					.	.	.	.	.
Altitude .....	325	.		328	ft						
YEAR .....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEAN.
January.....	2.37	.99	3.61	2.61	1.90	3.69	.82	3.73	2.76	1.47	2.395
February .....	2.01	2.74	3.16	.87	1.16	1.53	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	2.33	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 Leeds, Weetwood Reservoir

Lat.

Lon.

County of Yorkshire

Rain Gauge, by

Observer E. Filliter, Esq., C.C.

Dose - Area - 9.

Diameter .....	8										
Height .....	9										
Altitude .....	3281 ft										
Year .....	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January .....	.14	.46	2.65	3.72	3.63	1.43	4.11	2.19	.80	.84	1.998
February .....	2.06	3.62	1.82	2.18	2.24	2.32	4.6	.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	3.09	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	3.3	3.25	.87	2.75	.89	.07	2.64	.31	1.934
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	1.61	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 Weetwood Reservoir

Lat.

Lon.

County of

York W.R.

Rain Gauge, by

Observer J. Henson Esq. Cl.

OUSE - Acre 9

Diameter .....	8										
Height .....	0 9										
Altitude .....	328										
Year .....	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January .....	2.99	1.49	1.93	1.08	2.74	4.02	.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	1.764
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	2.114
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 Wetwood Reservoir

Lat. .... Lon. .... County of York wr. Central  
 Rain Gauge, by ..... Observer J. H. Weston Eng Ch.  
C.G. Horncastle Ch.  
 Date - June 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	3.19	.83			
February ..	4.26	1.54	1.38	1.93	3.51	1.22	1.99	1.49			
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	2.33			
June ..	2.52	.85	1.69	1.62	1.19	1.48	1.21	2.14			
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	1.66			
October ..	3.28	1.74	2.58	7.04	.50	1.93	4.06	2.67			
November ..	2.91	3.76	1.58	1.46	1.94	3.78	3.21	3.03			
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 Pearson

Lat. ....

Lon. ....

County of W.R. York Central

Rain Gauge, by

Observer C.G. Hennelly, C.E.

Ouse- Ave 9 New

Diameter ..							8			
Height ..							0 9			
Altitude ..							328			
Year ..	1900	1901	1902	1903	1904	1905	1906	1907	1908	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 ..							.71	.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 Wetwood Reservoir No 1County of W.R. YorkshireObserver C.G. Lenzell Esq., C.B.River Basin Orse-Aire q

Rain Gauge, by \_\_\_\_\_

old gauge

Diameter ...	8										
Height .....	0 9										
Altitude ...	328 ft										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	M.R.A.N.S.
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	3.81	3.50	.54	2.68	1.45	
March .....	.43	.84	3.11	2.50	2.57	.82	3.83	2.42	1.36	3.72	
April .....	2.81	.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	3.08	
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	5.87	.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	29.55	27.56	

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

RAINFALL at Leeds Westwood Reservoir N. 2County of W.R. YorkshireObserver C.G. Hengell Esq. CLRiver Basin Ouse - Aire 9

Rain Gauge, by \_\_\_\_\_

New Gauge

Diameter ...	8											1810-19 MEANS TOTALS
Height .....	0 9											
Altitude ...	328 ft											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919		
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	3.82	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 .....	3.18	.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	1.89	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	3.21	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	27.62	28.63	29.04	24.03	31.79	29.60	114.46	

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

## RAINFALL at Leeds Keelwood Reservoir No 1

County of W. R. Yorkshire)

Observer C. G. Hengell Esq. G.E.

River Basin Cuse-Aire 9

*Rain Gauge, by*

1922: q. 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	Parish Church	Distance from gauge	

## RAINFALL at Leeds Westwood Reservoir N: 2

County of W.R. Yorkshire

Observer G.G. Hengell Esq. C.E.

River Basin Base - Aire 9

(1925) H. Shorthend Esq. C.E.

Rain Gauge, by

Leeds W.R.S.

New Gauge

Diameter ...	S												
Height .....	0.9												
Altitude ...	328												
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 Metres		
January ...	3.40	3.47	3.33	1.69	1.99	2.71	2.50	2.18	6.76	1.77	4.31	33.51	
February ...	1.70	1.19	2.79	4.54	1.93	4.31	2.35	1.11	2.48	.55	1.05	22.00	
March .....	2.30	1.32	1.83	1.73	1.31	1.86	1.91	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	1.75	1.22	3.07	28.53	
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	1.74	2.18	1.15	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	35.51	
August .....	1.81	3.87	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	2.43	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	3.98	4.62	3.80	33.57	
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	33.23	24.45	36.23	331.42	

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

## RAINFALL at Leeds (Weetwood Res.)

County of West Riding

Observer H. Shortreed, Esq., ~~et~~

River Basin. Ouse - Aire - 9.

H.W. Fowler Eng., C.E. (1939)

*Type of Gauge.....*

Annual Average 27.5 in. based on 25 years obs. un-weighted. Period of average 1881-1905 Ref. 3

780902/27

Inspected June 1934:- Recommended that gauge be set up with rim ~~over~~ 1 ft. above ground and rain be collected in glass bottle.

feature faulty and should be replaced

Recommendations carried out - see p. 5 and 6 of P.

*Position of Station on reduced Ordnance Survey Map,* } No. of Map..... Reference No.....  
1 mile to 1 inch Scale.

Station No. TF 3283

## RAINFALL at

Handa (Intake) (Bee Filter Bed) (+A)

41

County of West Riding

Observer K. L. Foster Esq. C.E. 1949

River Basin Don - 9

The City Engineers

Type of Gauge

Annual Average 22.5 in. based on 25 years obs. un-weighted. Period of average 1881-1915 Ref. S

File No. 780905/17 £80784

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	1941-50 Means Total
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	4.3	1.38	5.18	1.7	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	20.1
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	27.94	25.60	24.93	31.52	25.98	32.69	30.36	24.71	26.95	32.23	282.71

The City Engineers capture the rainfalls daily readings for the same gauge as the Waterworks Engineers supply on monthly from the monthly total — the City Engineers call it the "Filter Bed" & Waterworks Engineers "Reservoir". 3.50.

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. 3283

T: 61

RAINFALL at Leeds (Westwood Villa Beds)County of West Riding - Yorks. Observer J. L. Foster Esq. C.E.River Basin Ouse - Aire - 9Type of Gauge Snowdon M.T. (+A) →

Annual Average 27.5 in. based on 25 years obs. un-weighted. Period of average 1881-1915  
 29.43 " " 35 " 1916-1950 Ref. S  
 1916-1950 E23380/58 File No. ✓ 77428078/48

Diameter ...	8"	076	414									
Height ...	1' 0"			1								
Altitude ...	328'		51									
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means	
January	3.04	2.76	37	2.33	2.18	4.22	1.20	2.33	2.81	5.43		
February	3.14	4.46	2.44	2.82	2.29	1.47	2.97	4.56	1.11	1.97		
March	3.31	1.73	77	1.81	2.55	67	1.43	1.42	1.23	2.42		
April	1.21	1.37	2.28	.19	.90	2.44	.18	.46	3.86	0.87		
May	5.16	1.52	1.38	2.98	2.54	.77	.85	2.63	.87	1.12		
June	.98	1.57	2.34	1.99	1.46	2.48	1.43	3.41	1.19	1.46		
July	3.21	.83	2.39	1.33	.74	3.93	2.54	3.49	2.36	3.80		
August	5.77	2.74	3.02	6.50	.70	5.72	4.93	1.83	.73	4.04		
September	2.10	2.71	2.04	2.73	1.13	3.42	4.19	3.38	.19	3.43		
October	1.09	3.96	1.89	3.93	1.56	1.32	1.89	1.62	2.35	5.02		
November	6.94	1.55	2.68	4.94	2.38	.45	1.52	.62	3.46	5.42		
December	2.99	2.14	1.26	2.79	3.51	3.01	3.03	3.24	4.51	2.77		
TOTALS	37.94	23.34	22.86	34.34	21.94	29.90	26.66	28.99	23.67	37.75		
	D	D	D	D	D	D	D	NP	D	D		

1951. Building 10' higher 60°NE. Years 20 & high 150°E's. Earth mound 8' high 70°NW.

1958 up 40%. Set of set of fence. Satisfactory exposure. Turf-wall not necessary.

1958 up Low due break see above.

1958 up 4" low annual total.

✓ 6/18

1959:- Print

Turf-wall

Nothing totals are forwarded for this site along with the Water Engine TPs (101). Daily records not available.

Position of Station on Ordnance One-Inch map : No. of Map ..... National Grid Reference SE(44) 271374

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Parish Church.	Distance from gauge.
1951.			Headingley	1530X SSW	St. Cuth	340X SSE.

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
		✓	✓	✓	✓	- bwd 49-50
		-	-	-	-	