

## RAINFALL AT Lancaster Blea Tarn Reservoir

Lat.

Lon.

County of Lancashire North

Rain Gauge, by

Observer

J Cook Esq Ch

J C Mount Esq CL

June 4.

Diameter ..	8										
Height ....	10										
Altitude ..	330										
Year ..	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	1.35	1.88	3.42	4.19	1.91	4.18	1.49	3.85	1.93		
February ..	1.53	.95	3.41	3.24	1.57	2.62	1.12	2.25	2.42		
March ..	2.99	2.70	3.73	2.10	2.69	3.00	2.62	3.00	2.81		
April ..	2.04	1.60	1.72	1.73	3.03	1.56	.51	2.22	3.57		
May ..	1.03	3.12	2.92	2.00	1.44	4.76	3.22	2.89	2.00		
June ..	1.90	.98	1.36	1.46	2.02	2.57	7.84	2.64	2.53		
July ..	1.44	4.02	4.06	1.33	1.80	2.52	3.86	3.62	6.30		
August ..	3.10	2.87	7.08	2.66	3.85	4.97	5.50	5.08	3.58		
September ..	1.22	1.29	5.99	1.97	3.11	1.38	.82	5.19	2.85		
October ..	4.28	3.82	9.16	3.29	2.77	7.31	5.28	1.77	5.95		
November ..	3.85	2.64	3.65	2.52	4.27	3.01	3.70	3.74	1.60		
December ..	3.60	3.30	3.44	3.05	1.07	2.80	4.72	3.05	7.16		
TOTALS ..	28.33	29.07	49.94	29.54	29.53	40.63	40.68	39.30	42.70		

1901 Gauge moved from Marton St Store Yard

N.B. Rejected for Survey as it too low.

## RAINFALL at Lancaster Blea Tarn Reservoir

County of North Lancashire

Observer: A. G. Bradshaw Esq.

River Basin Lune 4

7 Hill Esq. -

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

Diameter ...	8											
Height .....	1 0											
Altitude ...	330											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	
January ...	3.79	1.41	2.88	3.05	3.38	2.69	3.22	2.11	3.63			
February ...	4.21	4.53	1.90	2.04	3.81	2.44	3.12	.98	4.33			
March .....	1.25	1.68	6.64	3.35	4.24	2.05	1.32	1.65	1.69			
April .....	2.10	3.15	.65	4.46	.54	2.91	2.55	1.37	1.08			
May .....	1.86	2.00	1.77	2.22	2.17	1.81	3.30	1.79	1.95			
June .....	2.35	3.00	6.03	2.25	1.27	1.04	2.74	3.10	1.87			
July .....	5.05	.90	5.68	1.27	4.69	3.95	2.39	1.38	4.34			
August .....	6.49	4.24	4.53	2.16	2.61	3.99	4.25	7.96	4.04			
September ..	.54	3.91	1.56	3.78	2.75	.88	3.00	4.83	8.89			
October ...	2.44	4.21	4.30	2.26	1.52	1.07	7.06	5.80	4.44			
November ...	4.46	5.32	4.93	4.08	4.01	1.95	3.64	4.43	2.24			
December ...	3.59	7.14	3.81	2.84	5.08	6.48	3.04	2.12	7.39			
TOTALS ...	38.13	41.49	43.68	34.06	36.07	30.66	39.53	37.52	45.89	NR		

N.B. Rejected from Survey as H° too Low

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

## RAINFALL at Lancaster Blea Tarn Reservoir

County of N. Lancashire)

Observer F. Hill Esq C.E.

River Basin Line

Water Board Lancashire

Rain Gauge, by

Diameter ...	9										
Height .....	1	0									
Altitude ...	380										
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEDIAN 1930
January ...	3.79	6.33	2.94	3.96	3.43	2.87	4.40	4.02	10.23	1.35	6.26
February ...	2.62	1.24	4.06	4.23	1.62	5.04	4.36	2.99	5.08	1.85	2.22
March .....	4.69	3.68	2.20	1.05	1.38	1.25	1.08	3.25	2.76	1.88	2.73
April .....	4.66	1.42	1.68	2.83	1.38	2.39	1.83	1.71	1.51	1.33	1.56
May .....	4.55	3.39	3.06	2.86	5.31	4.24	2.59	1.74	1.66	2.10	1.11
June .....	2.21	1.64	3.13	7.4	3.14	5.6	3.40	3.43	5.28	1.55	2.33
July .....	6.40	1.18	5.69	4.04	3.11	2.58	4.52	4.21	5.04	3.58	3.45
August .....	1.96	7.01	6.07	5.23	5.34	3.66	3.92	6.26	5.80	6.72	6.64
September...	2.16	2.06	4.23	4.14	5.15	3.57	4.81	6.94	2.60	3.07	2.43
October....	1.10	2.40	1.82	6.02	5.98	5.66	3.31	4.25	5.40	7.17	7.43
November...	2.18	1.94	2.77	5.78	2.84	2.01	6.65	5.42	6.52	8.08	4.62
December...	2.58	5.91	4.60	4.33	6.50	2.30	1.99	1.00	3.21	7.14	4.62
TOTALS...	38.90	66.20	41.27	45.76	44.18	36.13	41.86	45.22	54.09	44.12	43.40

NB. Rejected from Survey as 4" too Low.

Position of Station on reduced Ordnance Survey } No. of Map \_\_\_\_\_ Reference No. \_\_\_\_\_  
Map, 2 miles to 1 inch Series

Date.	Lat. N.	Long. W.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge
1926	54° 1' 6" 2° 40' 18"		Halgate	2 1/2 m.	SSW	Elles (St. John's)	2600 yds. SSW

**RAINFALL at Lancaster (Blea Tarn Res.)**

*County of* North Lancashire.

Observer F. Hill, Esq., C.E.

River Basin Lune - 4

Type of Gauge..... M. O.

*Annual Average.....in. based on.....years obs. un-weighted. Period of average.....Ref.....*

... Ref.

678707/26.

Diameter	8.				5						
Height	1.0.				1.0						
Altitude	410.				330						
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Mosse Totals
January	4.73	5.60	3.80	4.95	1.89	4.34	2.80	5.70	4.04	1.44	39.32
February	3.69	1.08	3.70	.13	5.60	2.14	5.25	1.63	2.92	1.86	27.00
March	.57	2.99	2.09	2.09	1.35	2.05	1.75	1.34	1.89	3.49	19.61
April	2.14	2.93	2.13	3.04	2.80	.53	3.18	.49	2.12	2.14	21.53
May	2.08	5.59	2.61	4.25	1.48	1.52	1.88	3.49	1.08	1.20	25.18
June	6.59	1.35	1.66	2.67	3.98	3.20	2.84	5.04	3.42	.39	31.14
July	5.86	5.25	3.13	2.40	1.89	3.51	2.44	4.71	5.29	4.56	38.71
August	3.60	1.78	2.79	4.57	2.94	3.63	2.24	3.89	2.57	2.32	30.33
September	3.08	5.67	1.08	4.68	7.62	4.53	3.48	2.42	1.63	4.94	39.16
October	3.67	7.18	4.64	6.11	8.29	3.37	1.98	12.37	1.46	4.68	53.75
November	7.26	3.30	2.02	1.67	5.67	6.36	1.78	5.60	6.09	4.88	44.53
December	3.79	3.19	.65	5.17	2.56	5.83	2.28	4.33	2.65	4.91	35.36
TOTALS	46.76	44.91	30.30	41.63	46.07	41.01	31.87	51.01	35.16	36.90	405.62

Inspected 1934:— Gauge standard but nearly wornout. Recommended that new gauge as replacement

be set up in Site selected nearer the reservoir and surrounded by standard bank wall.  
5 Oct 1934: - Standard 9 set up 340 yds NW.  
1934. Terns 250

1934. June 250 yds. J. W.

1935. Railings' 5' high 65' E.

N.B. Rejected from Survey as it too low.

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

DRAFTING IN MASONRY

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge	Direction
1937			Galgate (Cawood) Warrington	2 1/2 m 2 1/2 m	ESE NNW	Bethel & Pauls	2 1/2 m	N.W.

Station No. 3048

## RAINFALL at Lancaster (Bla. Farm Reg.)

41

County of North Lancashire. Observer S. High Esq. C.E.

River Basin Lune - 4 S. Lyons Esq. C.E. (1946)

Type of Gauge m.o.

Annual Average in. based on years obs. un-weighted. Period of average Ref.

File No. 678707/26

Diameter	5"		579	61)							
Height	1'0"				1						
Altitude	320'				(4)						
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means Totals
January	1.08	3.82	6.21	5.70	3.70	4.70	3.72	8.13	2.85	2.45	42.36
February	4.00	1.48	2.31	1.57	4.63	4.20	.22	2.45	2.09	4.69	27.64
March	2.88	2.40	1.10	.62	2.92	1.03	5.12	3.08	2.25	2.42	23.82
April	1.58	1.79	3.02	3.17	2.15	1.99	4.07	1.51	5.00	2.89	27.17
May	3.18	3.53	3.55	(3.56)	3.17	2.30	3.30	1.76	2.85	1.48	28.68
June	.50	.38	3.73	(4.50)	(4.87)	3.41	3.90	5.67	.93	3.52	32.01
July	1.39	5.10	5.12	(4.14)	(3.00)	6.81	5.03	3.85	4.10	5.12	43.71
August	4.41	4.28	7.85	3.48	(1.50)	6.96	.33	4.63	3.26	7.30	44.00
September	1.73	5.55	4.67	6.11	4.80	7.43	4.96	6.93	1.24	9.23	52.65
October	6.75	5.95	4.70	5.18	5.31	.46	.39	4.33	6.84	4.00	43.91
November	2.44	1.24	2.92	5.88	.24	7.01	6.41	4.72	5.88	5.71	42.45
December	2.10	4.41	2.22	3.61	2.52	5.54	2.62	3.61	6.65	2.33	35.61
TOTALS	22.04	40.53	47.40	(47.52)	(38.8)	51.84	40.07	50	48.67	43.99	51.14
	D	D	D	D	D	D	D	D	D	D	D

941 Railings 5' high 65° E. 103104010604

1944 n.p. too much silt

1945 n.p. too much silt - gauge broken.

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

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge	Direction
1941			Lancaster (Back)	2'2m.	N.N.W.	Scotforth-Lancaster	1'4 m.	N.W.

579 611

Station No. 3048

51

## RAINFALL at Lancaster (Bla. Barn Res.)

County of N. Lancashire Observer Dr. Lyons, Esq. C.E.

River Basin Lune - 4

Type of Gauge M.O.

Annual Average in. based on years obs. un-weighted. Period of average Ref.  
 " " 45.56 " 12 " 1946-57. " " 1916-50 5  
 File No. 678707/26

Diameter ...	5"		579	611							
Height ...	1' 6"				1						
Altitude ...	336'				51						
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means-Totals
January	4.86	4.08	2.44	4.65	2.42	3.60	4.87	4.60	2.93	6.52	40.97
February	4.25	1.07	1.68	3.22	2.00	4.65	3.64	6.09	1.22	3.96	27.78
March	5.22	2.51	.88	2.65	1.56	1.10	3.22	2.18	2.82	1.80	23.94
April	2.64	3.76	3.49	1.34	2.80	1.60	.69	1.86	2.85	3.37	24.40
May	2.23	2.88	2.31	3.37	3.91	2.95	4.19	5.62	1.87	3.06	32.39
June	1.26	5.08	2.20	5.31	3.74	2.25	2.22	5.10	4.29	1.93	33.41
July	3.92	2.09	5.47	6.80	1.73	4.49	4.40	3.86	5.99	8.25	47.00
August	4.72	7.18	4.88	6.33	1.52	12.67	4.39	4.55	.38	6.07	52.69
September	5.15	4.79	6.09	8.94	3.76	3.57	7.04	5.19	.62	4.55	49.70
October	1.76	4.50	1.91	11.81	2.33	3.82	7.62	4.86	4.32	3.43	46.36
November	8.69	2.07	5.85	7.67	1.92	1.64	1.99	2.22	5.43	8.39	45.87
December	10.26	4.67	2.26	6.25	4.92	4.89	5.39	3.92	8.60	5.38	56.54
TOTALS ...	54.96	44.68	39.46	68.34	32.64	43.23	49.66	50.05	41.32	56.71	481.05
	D	D	D	D	D	D	D	D	D	D	

1951 Railings 5' high at 65° E

Position of Station on Ordnance One-Inch map : No. of Map ..... National Grid Reference SD (km) 496543

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Parish Church.	Distance from gauge
1951			Battle	2½ m. N.N.W.	Scotforth	1½ m. N.W.

Summary of Earlier Records from 10-year Sheets :

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	10-18	✓	✓	✓ n.p. 44, 45	