

RAINFALL AT *Lancaster Plea Terr. Reservoir*

Lat. ....

Lon. ....

County of *Lancashire North*

Rain Gauge, by .....

Observer *J. Cook Esq. C.E.*  
*J.C. Mount Esq. C.E.**June 4.*

Diameter ..		8										
Height ....		10										
Altitude ..		330										
Year ....	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.	
January ..		<sup>#</sup> 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	1.50	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	1.33	.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 was too low.

RAINFALL at Lancaster Blea Tarn ReservoirCounty of North LancashireObserver A. G. Bradshaw EsqRiver Basin Lune 4F. Hill Esq. & Co.

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

Diameter ...	8										
Height .....	10										
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	2.59	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	5.64	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	1.31	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	4.38	4.01	1.95	3.54	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 ReservoirCounty of N. LancashireObserver F. Hill Esq C.E.River Basin Lune &Water Eng. Lancashire

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

Diameter ...	9											
Height .....	1 0											
Altitude ...	330											
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	Means. 1920	
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	.24	4.06	4.22	.62	5.04	4.36	2.99	5.08	.85	.22	
March .....	4.69	3.68	2.20	1.05	1.38	1.25	1.08	3.25	2.76	.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	.66	2.10	1.11	
June .....	2.21	.64	3.13	.74	3.14	.56	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	.82	6.52	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	.99	1.00	3.21	7.44	4.62	
TOTALS...	33.90	36.20	41.27	45.76	44.18	36.13	41.86	45.22	54.09	44.12	43.40	

NB. Reported from Survey as 4" too Low.

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

No. of Map \_\_\_\_\_

Reference No. \_\_\_\_\_

Date.	Lat. N.	Long. W.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge
1926	54° 1' 6"	2° 46' 18"	Halgate	2 1/2 m.	SSW	Ellal (St. John's)	2600 yds.	SSW

RAINFALL at Lancaster (Blea Tarn Res.)County of North LancashireObserver F. Hill, Esq. C.E.River Basin Lune - U.Type of Gauge M.O.Annual Average in. based on years obs. un-weighted. Period of average Ref.

678707/26.

Diameter	4.				5							
Height	1.0.				1.0							
Altitude	410.				330							
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	Totals
January	4.73	5.60	3.80	4.95	1.89	4.34	2.80	5.70	4.04	1.47	39.32	
February	3.69	1.08	3.70	1.13	5.60	2.14	5.25	1.63	2.92	1.86	27.00	
March	5.7	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	5.3	3.18	4.9	2.12	2.17	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	3.9	31.14	
July	5.56	5.25	3.13	2.40	1.89	3.51	2.41	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	4.97	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	1.57	5.67	6.26	1.78	5.60	6.09	4.88	44.53	
December	3.79	3.19	6.5	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	
	D	D	D	D	D	D	D	D	D	D	D	

Inspected 1934:— Gauge standard but nearly worn out. Recommended that new gauge as replacement be set up in site selected nearer the reservoir and surrounded by standard turf wall.

1934. 5<sup>th</sup> Oct 1934:— Standard g set up 34 yds NW.  
Tress 250 yds. S.W.

1935. Railings 5' high 65' E.

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

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
1937			Galgate (Castle) Lancaster	2½ m 2½ m	S.W. NNW	Westforth & Pauls	1½ m	N.W.

Station No. 3248

RAINFALL at Lancaster (Bla. Tarn Res.)

41

County of North Lancashire Observer J. H. E. Esq. C.E.

River Basin Lune 4 L. 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. 678704/26

Diameter	5"			579	611						
Height	1'0"										
Altitude	330'				41						
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	1.68	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	4.15	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	5.05	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 D	40.53 D	47.40 D	47.52 (38.8) n.p.	38.8 (38.8) n.p.	51.84 D	40.07 D	50 48.67 D	43.99 D	51.14 D	444.01

941 Railings 5' high 65' E. 03404 01604

1944 n.p. too much cut

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

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.
1941			Lancaster (Bla. Tarn Res.)	2 1/2 m.	N. N.W.	Scotforth-Lancaster	1 1/4 m.	N.W.

BRITISH RAINFALL ORGANIZATION

Station No. 3048

RAINFALL at Lancaster (Bla. Tarn Res.)

51

County of Lancashire

Observer

R. 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 1916-50 Ref.

" " 45-56 " " 12 " " 1946-57. " " 1916-50

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- Total	
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	1.62	3.22	2.00	.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	1.24	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	3.77	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	

1951 Rainings 5' high at 65'E

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference SD(24) 495523

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge
1951			Bartle	2 1/2 m.	N.W.	Scotford	1 1/2 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	
	-	226-30	✓	✓	