

RAINFALL AT Lutonmore, Brow Top,

80

Lat. Len. County of Lancashire
 Rain Gauge, by Observer A. C. E. Eng.

June 4

Diameter					8					
Height					1.0					
Altitude					5327					
Year.....	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889
										MEANS.
January					4.90	2.75	5.25	3.00	1.41	2.30
February					3.30	3.70	4.40	2.50	1.15	2.55
March					3.20	4.10	4.10	2.10	3.95	3.45
April					2.25	1.90	2.60	1.90	2.25	2.10
May					3.25	1.90	4.85	1.55	1.40	4.10
June					1.90	2.50	1.86	.30	1.60	1.55
July					7.00	2.85	5.60	2.65	7.65	3.00
August					1.80	2.85	3.25	1.60	3.30	6.55
September....					4.50	6.10	6.50	4.65	2.55	2.60
October					3.90	4.00	5.80	2.55	2.45	5.25
November....					1.90	3.60	4.26	3.30	4.20	2.15
December					4.50	1.60	5.65	(2.90)	3.70	.85
TOTALS					39.40	37.05	50.11	(29.00)	35.61	36.45

1887 Dec. Old Gauge Basin

1884 Lutonmore Church 1 mile N.W.

Gauge House 15 ft high 45 ft S.

1887 Gauge found to have been emptied in December

RAINFALL AT Quernmore Brow Top

Lat. _____ Lon. _____ County of Lancashire

Rain Gauge, by _____ Observer J. Cook Esq C.R.

June 4.

Diameter	8										
Height	10										
Altitude	552										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	7.00	2.46	2.96	1.68	3.73	1.89	2.53	.74	4.66	5.60	3.825
February85	.40	1.81	4.68	4.78	.26	1.77	3.29	3.42	1.95	2.821
March	4.60	1.45	.48	1.64	3.28	4.35	5.56	5.44	1.41	2.10	2.031
April	1.65	2.20	1.47	.45	1.43	2.47	2.16	2.60	2.81	3.80	2.104
May	2.25	.75	5.55	1.47	2.50	.73	.52	2.20	2.82	3.29	2.208
June	3.65	.95	3.65	2.48	2.99	2.35	3.20	3.77	2.81	2.13	2.798
July	2.10	3.30	1.58	3.41	3.15	6.72	4.76	1.66	.50	2.21	2.939
August	8.00	11.09	6.34	4.16	4.60	4.36	3.95	6.20	6.01	2.20	5.076
September	4.00	6.80	7.92	4.91	.38	.90	5.58	4.88	1.96	5.61	4.284
October	3.35	5.15	4.46	6.36	3.47	5.02	3.83	2.31	4.16	3.91	4.202
November	6.40	5.40	3.09	2.46	3.49	3.14	1.74	5.69	4.27	4.46	4.014
December65	7.25	2.30	3.58	3.22	2.90	5.28	5.55	4.16	3.68	3.869
TOTALS	38.367 (1250)	47.20	41.61	37.28	37.02	35.09	40.88	44.33	38.99	40.84	40.574

roughly 17 VI. 15

1890 August Gauge tampered with.

RAINFALL AT Queenmore Brow Top

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 ..	1.0										
Altitude ..	552 T										
Year ..	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	4.89	1.92	2.87	4.95	4.53	2.48	5.59	2.14	4.60	2.11	3.608
February ..	4.21	1.81	1.06	4.36	4.14	1.87	3.22	1.87	2.66	2.94	2.814
March ..	.85	3.43	3.17	4.47	2.88	3.38	3.61	4.23	3.10	3.73	3.285
April ..	2.79	2.37	2.04	2.36	3.82	3.07	1.74	1.75	2.27	4.10	2.631
May ..	2.26	1.14	3.57	3.63	3.29	1.43	5.93	4.24	2.56	2.45	3.050
June ..	3.52	2.15	1.27	2.01	1.65	2.04	3.69	8.71	2.67	3.03	3.074
July ..	3.23	1.66	4.78	4.41	2.61	2.66	3.07	4.57	4.14	8.50	3.963
August ..	6.15	3.85	3.07	8.13	3.61	4.36	5.59	6.01	4.45	4.14	4.936
September ..	2.61	1.50	1.42	6.14	1.96	3.94	1.63	1.08	5.26	3.22	2.876
October ..	7.50	4.77	4.21	9.99	3.50	3.71	8.19	5.75	1.80	6.20	5.562
November ..	4.29	4.71	3.15	4.08	3.40	4.78	4.03	4.29	4.27	2.36	3.936
December ..	5.93	4.62	3.80	3.64	3.39	1.48	3.44	5.36	3.42	8.30	4.338
TOTALS ..	48.23	33.93	34.41	58.17	38.78	35.20	49.73	50.00	41.20	51.08	44.073 <i>(3)</i>

Hub

RAINFALL at Quernmore Brow TopCounty of North LancashireObserver A. G. Bradshaw Esq.F. Hill Esq.River Basin June 4

Rain Gauge, by _____

Diameter ...	8									
Height	1 0									
Altitude ...	552 T									
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	MEANS.
January ...	5.66	1.63	4.17	3.95	5.14	5.97	4.81	2.94	4.39	5.70
February ...	5.24	4.86	2.12	2.51	4.74	6.45	4.02	1.31	5.43	4.52
March	1.29	3.02	6.69	4.69	5.44	2.87	1.95	2.48	2.15	6.00
April	3.17	4.00	1.04	5.61	1.19	3.30	3.24	1.71	1.20	2.12
May	2.67	2.74	2.38	2.94	3.37	1.66	3.73	2.02	1.85	1.84
June	2.54	3.59	6.93	3.22	1.74	1.94	2.68	3.18	2.66	2.04
July	5.49	1.08	5.88	1.65	5.10	4.77	3.30	2.18	5.51	1.95
August	7.63	4.84	5.43	3.25	3.57	4.53	4.12	9.70	5.19	4.96
September ..	.68	4.33	2.21	3.74	3.16	.81	3.65	6.74	9.97	3.44
October ...	2.76	4.42	4.61	2.85	1.95	1.13	9.39	6.73	5.86	3.26
November ...	4.80	5.71	7.17	5.90	6.55	2.87	4.29	6.59	3.21	2.76
December ...	4.44	6.03	4.79	4.85	7.12	8.68	3.69	2.95	9.86	6.38
TOTALS ...	46.37	48.25	53.42	44.59	49.07	43.48	48.66	48.52	57.28	41.96

+ Inspected

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

RAINFALL at Quernmore, Brow Tops

County of N. Lancashire Observer F. Hill Esq C.E.

River Basin June 4 Water Tolls Francis Cottrell

Rain Gauge, by _____

Diameter ...	8										
Height	1	0									
Altitude ...	552										
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEANS 1930
January ...	4.66	7.40	4.47	4.90	4.11	3.08	5.62	4.60	11.46	1.83	7.39
February ...	3.36	3.30	5.78	6.37	7.78	6.17	5.22	3.16	5.70	1.10	.15
March	5.39	4.96	2.86	1.10	1.72	1.31	1.49	3.66	4.17	1.25	3.02
April.....	6.10	1.61	2.14	3.72	2.00	2.13	2.12	1.93	2.08	1.26	1.93
May	6.10	3.52	4.55	3.27	5.83	3.65	3.01	1.81	.69	2.30	1.20
June	2.46	.39	3.27	1.25	3.67	.62	3.68	3.71	8.95	1.66	2.71
July	6.93	1.23	5.80	6.14	3.19	2.48	4.38	4.82	5.41	1.25	4.24
August	2.04	6.62	6.09	5.47	6.29	3.94	3.67	7.18	5.16	4.31	8.07
September...	3.43	2.45	4.86	5.12	5.67	3.14	5.73	8.15	2.97	2.96	3.13
October.....	1.68	2.79	1.14	7.69	5.91	5.89	3.65	4.66	6.76	8.06	9.30
November...	3.25	2.12	3.32	6.60	3.30	2.22	5.49	6.41	6.90	8.68	5.47
December...	3.37	7.46	5.98	5.50	6.59	3.26	1.32	1.58	4.40	8.84	5.18
TOTALS...	48.77	40.85	50.26	56.19	49.06	37.89	45.38	51.17	63.75	49.50	51.79

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
1920	54° 1' 18"	2° 43' 35"	Galgate	3 $\frac{3}{8}$ m. S.W. <small>(St Peter's)</small>	Zugopravore	1 m N.N.W.

RAINFALL at Quernmore (Brown Top)

County of North Lancashire

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

River Basin Lune - 4

Type of Gauge

Annual Average 43.1 in. based on 46 years obs. un-weighted. Period of average 1881-1915 Ref

678707/26.

Diameter	8.										Means
Height	1.0.										
Altitude	552.										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	6.34	5.17	3.31								
February	4.73	4.04	3.55								
March	1.61	2.39	2.43								
April	2.54	2.62	1.64								
May	2.14	5.82	2.78								
June	7.04	1.17	2.18								
July	6.16	8.17	3.40								
August	4.85	1.98	2.56								
September	3.69	6.25	1.19								
October	3.85	5.60	5.11								
November	7.12	3.03	1.91								
December	3.23	2.91	1.54	#	v/vs. Gauge moved 0.9 mile down valley near Blawar Gile Res. See Entry 72-170. f 678707/26.						
TOTALS	51.30	45.15	30.60	D.	D.						

1933 Year. Two mps.

Inspected 1934:—Gauge not standard and is leaking. Recommended that gauge be abandoned and new gauge set up in site selected just to southwest of the road. As ground is liable to slight flooding the ground should be raised not more than 3 inches from a distance 2 to 3 ft. round gauge and latter be surrounded by a turf wall.

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