

RAINFALL at Milnrow, Buttenworth HallCounty of LancashireObserver C. J. Batley Esq. C.E. (per Mr. Banks)River Basin Mersey Inwell 3Snowdon Rain Gauge, by Casartelli

Diameter ...								5			
Height .....								1			
Altitude ...								512			
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...									3.49	4.93	
February ...									6.82	1.77	
March .....									2.15	7.20	
April .....									1.58	2.49	
May .....									1.97	1.97	
June .....									1.54	2.21	
July .....									5.45	2.60	
August .....									3.44	3.98	
September...								2.55	12.49	2.00	
October ...								8.32	4.04	3.11	
November ..									2.22	3.83	
December...								3.14	9.23	8.50	
TOTALS ...								42.68	54.42	44.59	

Wall 8' 6" 56ft N.W.

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1918.			Milnrow	633 yds	N.W.	Milnrow	600 yds	N.

RAINFALL at Milnrow Buttersworth HallCounty of LancashireObserver E. J. Batley Esq C.E.River Basin Mersey - Irwell 3Ordnance Corp. 102.Snowdon Rain Gauge, by Casartelli  
N.O. (126)

Diameter ...	5"											
Height .....	10											
Altitude ...	512											
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	MEANS.
January ...	5.31	7.50	3.80	4.56	3.76	3.80	5.64	4.86	12.30	2.40		6.95
February ...	4.69	4.5	5.21	7.29	1.44	7.48	3.89	1.85	6.12	.92		.85
March .....	3.96	3.94	3.59	2.64	1.74	1.89	2.26	5.94	3.40	1.37		3.51
April .....	5.78	1.79	3.28	3.91	2.25	3.08	2.59	3.77	1.06	1.54		3.62
May .....	6.62	2.94	1.43	4.52	6.04	5.34	4.60	1.82	1.39	3.72		1.98
June .....	2.82	2.5	2.81	1.26	3.07	.11	2.85	4.55	6.84	1.54		2.53
July .....	9.97	2.21	5.42	5.11	4.13	1.86	3.65	3.66	2.02	3.37		6.73
August .....	2.94	6.75	5.47	6.08	6.39	3.80	5.21	8.25	5.75	6.09		7.33
September...	3.44	1.44	3.64	4.69	4.92	3.81	3.68	5.95	.76	2.50		4.36
October .....	1.67	4.20	1.07	6.20	6.46	5.87	4.13	4.51	5.12	5.95		6.38
November...	2.01	2.80	3.61	7.73	2.69	3.47	6.13	4.91	7.79	8.98		5.97
December...	4.20	7.59	6.29	4.82	6.23	4.02	2.63	1.38	3.48	7.75		3.97
TOTALS...	53.41	41.86	45.62	58.83	49.11	44.83	47.26	51.45	56.03	46.13		54.18
					12	2	10	10	10	10		10

1920. Wall 6 ft high 20 yds N.W. by S.E.  
8' 6" " 36 ft

Position of Station on reduced Ordnance Survey } No. of Map

Map, 2 miles to 1 inch Series

Reference No.

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge	Direction
1920			Milnrow	1/2 mi	N W	Milnrow	1/2 mi	N.

## RAINFALL at Milnrow (Butterworth Hall)

County of South LancashireObserver C. J. Batley, Esq., C.E.River Basin Mersey Inwell - 3C. Roodfield, Esq. (1938)Type of Gauge M.O.Annual Average 43.8 in. based on 13 years obs. un-weighted. Period of average 1881-1915 Ref S

660607/26.

Diameter	5.										
Height	1.0.										
Altitude	512.										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	5.96	6.02	3.15	3.99	2.09	4.74	4.47	6.77	6.41	2.21	
February	6.47	.27	4.60	.55	6.33	3.15	7.07	2.34	5.76	2.69	
March	.40	2.98	3.59	3.20	1.95	3.14	2.70	1.34	3.23	3.70	
April	3.94	4.22	2.46	3.05	4.84	1.53	2.64	.66	2.40	3.20	
May	2.79	5.69	2.14	3.33	1.20	1.33	2.56	4.75	2.41	1.59	
June	6.00	.95	2.79	2.66	4.90	5.91	2.24	5.20	3.43	1.05	
July	4.29	4.64	3.71	3.27	2.15	4.44	2.55	5.28	7.28	5.59	
August	6.51	1.49	1.52	3.66	2.04	2.48	2.73	4.48	3.21	2.12	
September	4.38	5.40	1.97	4.33	7.93	3.75	1.96	1.81	1.72	5.08	
October	2.86	7.93	5.29	5.58	11.16	6.27	2.29	11.57	2.67	5.33	
November	9.16	3.58	2.55	2.59	6.36	7.44	2.43	6.17	7.97	8.41	
December	2.40	2.52	.62	6.64	4.13	4.79	3.31	6.22	4.12	5.12	
TOTALS	55.16 2	45.69 2	34.39 3.1	42.85 2	55.08 2	50.97 2	36.95 2	56.59 2	50.61 2	46.09 2	

wall 5½' high 36" SW.  
1940 Jan. part std.

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
1931			Milnrow	633 yds.	N	Milnrow	600 yds.	N.





Station No. 3857RAINFALL at Milnrow (Butterworth Hall)

51

County of L. LancashireObserver E. Pinfield Esq.River Basin Murray-Swell-3Type of Gauge M.O.Annual Average 42.8 in. based on 13 years obs. un-weighted. Period of average 1881-1915 Ref. 5" 47.94 " " 27 " " within 1917-46 " " 1916-50File No. 660.607/26

Diameter ...	5"			561	502						
Height ...	1' 6"				1						
Altitude ...	512'				51						
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	4.97	5.27	1.73	4.01	2.52	4.60	4.04	4.20	3.47	5.78	
February ...	3.54	1.41	2.53	2.95	2.29	1.10	2.57	5.43	.33	2.46	
March ...	5.30	2.65	2.21	2.65	1.80	1.32	3.62	2.19	1.83	1.29	
April ...	2.86	3.92	3.48	.95	1.93	4.18	.41	1.16	3.74	2.37	
May ...	2.15	2.47	2.84	2.75	3.67	1.50	1.58	3.40	1.10	1.93	
June ...	.80	3.57	2.47	3.07	3.04	2.55	2.31	4.74	3.05	1.27	
July ...	4.49	2.48	5.96	4.71	1.04	6.50	4.77	3.49	3.54	7.22	
August ...	5.77	4.26	4.66	5.95	1.14	10.42	5.26	5.62	.41	4.75	
September ...	3.30	3.66	3.05	6.01	2.94	3.36	5.11	4.69	.37	3.11	
October ...	1.42	5.87	2.48	7.24	2.24	2.92	5.99	4.39	4.27	4.42	
November ...	8.56	2.51	4.43	5.86	1.97	1.72	2.48	1.53	4.79	6.85	
December ...	8.28	4.50	1.66	6.21	4.98	3.96	4.50	4.30	6.55	4.60	
TOTALS ...	51.44	42.57	37.50	52.86	29.54	44.13	42.64	45.14	33.45	46.05	
	D	d	d	d	n.p.	d	n.p.	n.p.	n.p.	n.p.	

1951 Wall 8' 6" high at 34' S.W.

1955 n.p. too low.

1956 Rather low but accept.

1957 n.p. low

1958 n.p. low.

1959:- n.p. low

1960 n.p. low

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference SD(34) 931124

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge.	Direction from gauge.
1951			Milnrow	633	X W	Milnrow	600	X N.

Summary of Earlier Records from 10-year Sheets :

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	Cimp. 1917	✓	✓	✓	
		324-30	✓	✓	
			324-33	✓	