

RAINFALL at Bolton W. Co., MassachusettsCounty of S. Landashire Observer J. H. Surales, Esq. C.E.River Basin Mersey - Jewell 3. J.P. Ainsworth C.E. (1920)

Rain Gauge, by _____

Diameter ...							5					
Height							1.0					
Altitude ...							850					
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930. MEANS.	
January ...							5.85	5.10	13.53	2.79	6.68	
February ...							5.15	2.60	5.52	1.53	6.64	
March							2.20	5.60	3.78	1.85	3.55	
April.....							2.05	4.05	1.48	1.28	3.01	
May							4.40	1.65	1.40	3.55	2.63	
June							3.20	5.20	7.48	1.84	2.58	
July							3.96	4.90	2.46	4.83	6.20	
August							5.05	7.36	7.30	6.64	8.60	
September...							4.33	7.20	1.02	2.74	4.33	
October.....							4.38	5.40	6.58	8.66	7.91	
November...							9.00	6.10	9.35	10.10	8.27	
December...							1.85	1.68	3.78	9.10	5.34	
TOTALS...						54.08	46.58	51.42	56.84	63.68	54.91	59.84

IX/28. Inspected by Mr. Colson see green file.

Gauge overhauled on floor.

1929 Over exposed from 15 Jan. 1929, since which date gauge has been surrounded by standard hump wall.

Rejected from Survey. 4.10.

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

Reference No. _____

Date.	Lat. N.	Long. W.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge	Direction
1926	53° 40' 24"							

RAINFALL at Bolton W.W. (Moorside)*

County of South LancashireObserver Bolton Corp. W.W.River Basin Mersey-Troell-3Type of Gauge SnowdenAnnual Average 50.2 in. based on 44 years obs. ~~un~~-weighted. Period of average 1881-1915 Ref 3

74/9/8/27.

Diameter	5.										
Height	1.0.										
Altitude	850.										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	7.54	6.49	3.84	4.64	3.70	5.98	4.47	6.52	6.77	(3.00)	
February	7.13	2.3	5.12	.42	7.01	3.37	6.76	2.28	5.63	(2.40)	
March	8.3	3.85	3.25	3.54	1.73	4.04	2.42	1.83	2.77	3.45	
April	4.34	4.53	2.33	3.13	4.02	1.00	4.73	.78	3.07	3.19	
May	3.35	5.56	2.28	4.53	1.58	1.43	2.08	4.72	2.33	.83	
June	6.43	1.04	2.73	3.24	4.74	4.74	2.32	5.62	4.18	1.06	
July	5.43	5.00	3.33	2.43	2.15	5.00	2.47	5.73	4.13	5.11	
August	5.88	2.03	2.93	4.94	1.94	3.62	3.13	3.19	2.98	2.39	
September	5.78	7.35	1.01	4.94	8.80	5.33	2.27	2.52	1.67	5.92	
October	3.24	8.95	5.85	7.12	9.20	5.39	2.76	11.64	2.61	5.58	
November	10.00	4.57	3.05	2.61	5.57	7.27	2.62	7.52	6.55	9.45	
December	3.15	8.04	.84	8.38	4.71	5.58	3.43	5.98	3.60	6.44	
TOTALS	63.10	52.61	36.56	49.92	55.15	52.75	39.51	58.33	51.29	(49.32)	

* Turf wall round gauge (B.R.) from Jan 1929 prior to which g. was over-exposed.
1940 Jan + Feb estd. by observer.

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
			Entwistle	3 1/4 m	W's.	Tunton	1 1/2 m	S'W.

Station No. T.F. 2884RAINFALL at Bolton W.W. (Moorside) ⁵

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County of South Lancashire Observer Bolton Corp W.W.River Basin Mersey - Irwell - 3Type of Gauge SnowdonAnnual Average 50.2 in. based on 4 years obs. un-weighted. Period of average 1881-1915 Ref. SFile No. 741918/27

Diameter	5"										
Height	1'0"										
Altitude	850'										
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	2.45	6.93	6.98	7.02	4.63	5.47	4.50	11.62	2.99	4.05	
February	5.10	3.33	2.91	2.58	6.78	7.08	(1.00)	3.35	3.53	5.18	
March	4.03	4.25	1.56	.94	1.79	1.31	7.96	2.19	2.17	3.08	
April	1.90	2.96	2.71	3.07	2.77	1.39	4.24	2.35	4.61	3.79	
May	3.33	3.45	3.75	4.11	4.22	2.09	3.08	2.58	3.66	2.12	
June	.54	.80	4.00	4.50	5.77	4.13	3.73	7.38	.83	2.08	
July	3.84	6.08	3.09	4.80	3.58	4.22	3.56	3.27	2.39	4.34	
August	7.42	5.78	7.54	4.03	3.68	8.63	.23	5.64	3.84	7.95	
September	1.43	3.11	4.96	8.50	3.50	8.28	3.98	3.72	1.94	9.52	
October	5.35	3.72	4.13	6.83	7.29	1.31	1.08	3.47	5.25	3.53	
November	3.44	1.57	4.72	8.15	.67	8.74	6.43	3.09	7.59	7.70	
December	3.22	5.72	3.12	5.38	3.92	4.95	4.20	5.00	7.90	3.53	
TOTALS	42.28	53.70	49.47 n.p.	53.31	48.60	57.60	43.99	53.66	46.70 N.P.	56.87	

5 Turf wall round gauge.

1943 about 4 in. low. n.p.

20004

1943 Reviser states gauge sound but turf wall in need of repair. No change of site.
Dec 1947. Engineer states gauge sound.
1947. Feb part covered by snow

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			Endcliffe	7/8 m.	W.S.W.	Tinton	1 3/4 m.	S.

BRITISH RAINFALL ORGANIZATION

Station No. 2884

T.C. 36

RAINFALL at ⁵ Bolton W.D. (Moorside)

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County of Lancashire

Observer

Bolton Lough M.H.

River Basin Hurry, Jewell - 3

Copied in Duplicates

Type of Gauge Standard Bradford

Annual Average 56.3 in. based on 4 years obs. un-weighted. Period of average 1881-1915 Ref. S

56.03 " " 5 " " 1953-57

File No. 741918/27

Diameter ...	5			562	138						
Height ...	1' 0"				1						
Altitude ...	850'				51						
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	4.78	4.47	2.30	5.36	4.12	7.30	4.74	5.56	4.49	8.32	
February ...	3.70	2.18	2.04	4.58	2.52	1.20	4.24	8.84	.95	5.38	
March ...	4.96	2.85	2.74	4.47	2.76	2.00	4.54	2.64	2.43	1.60	
April ...	2.71	4.32	3.90	1.01	3.44	3.50	.76	1.85	3.73	3.48	
May ...	2.50	2.82	2.59	3.44	5.34	2.32	2.20	5.43	1.20	2.40	
June ...	1.39	4.62	3.23	4.17	4.02	3.23	2.55	4.97	3.10	1.36	
July ...	4.79	2.55	6.92	8.23	1.43	6.79	7.34	4.31	5.36	9.61	
August ...	5.00	5.86	6.07	7.09	1.70	13.25	7.58	4.62	.55	5.98	
September ...	4.18	5.32	5.81	6.68	4.90	4.24	8.57	5.63	.42	3.81	
October80	5.60	2.42	10.21	3.11	3.76	8.48	5.78	6.47	4.71	
November ...	9.42	3.03	6.81	8.74	3.29	2.21	2.65	2.32	5.93	8.73	
December ...	10.09	4.61	2.83	8.30	6.83	5.74	6.52	5.53	10.69	6.85	
TOTALS ...	54.32	48.23	47.36	72.28	43.46	55.54	60.17	57.44	45.32	62.23	
	M	M	M	M	M	M	M	M	M	M	

1951 Printed with P. Jan, Feb & the above low but Eng states gauge round + will not agree to any amendment.

Ms. 7.10.53. Slight leak in funnel. New g. recommended. Turf wall in good condition but diameter only 6". Standard diameter recommended.

New gauge fixed 29/10/53. Gauge is on land which does not belong to the undertaking and diameter of turf wall cannot be increased from 6" to 10" as recommended.

14.5.57. G. tested & found to be sound 1956. Feb. Met. App'd No. 3.

Feb. 1958. G. sound. T.W. low - to be rebuilt.

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference SD738184

Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge.
1951			Buttrist	7/8 m. N.W.	Edwinton	1 3/4 m. S.

Summary of Earlier Records from 10-year Sheets :

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
		C 1924 A 24, 25	✓ —	V.n.p. 43, 49	—