

RAINFALL at Balton W.W., Moorside.

County of S. Lancashire Observer J. K. Davies, Esq. B.E.
 River Basin Mersey - Sowell 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	
										MEANS	
January							5.85	5.10	13.53	2.79	6.68
February							5.15	2.60	5.52	1.53	.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	4.48	1.84	2.58
July							3.96	4.90	2.46	4.83	6.20
August.....							5.05	7.36	4.30	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...					514.08	46.58	51.42	56.84	63.68	54.91	59.84

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

Gauge overexposed on board.

1929. Over exposed prior to Jan 1929, since which date gauge has been surrounded by standard turf wall.

Rejected from Survey. 4" 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	53° 40' 24"							

RAINFALL at Bolton W.W. (Moorside)*

County of South Lancashire

Observer Bolton Corpn. W.W.

River Basin Mersey - Irwell - 3

Type of Gauge Standard

Annual Average 50.2 in. based on 44 years obs. un-weighted. Period of average 1881 - 1915 Ref. 3.

741918/27.

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	2.23	5.12	.42	7.01	3.37	6.76	2.28	5.63	(2.90)	
March	8.3	3.85	3.25	3.54	1.73	2.04	2.42	1.83	2.77	3.45	
April	4.34	4.53	2.33	3.13	4.02	1.00	4.73	1.78	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	4.44	8.80	5.33	2.27	2.62	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	6.65	9.45	
December	3.15	8.04	8.4	8.38	4.71	5.58	3.48	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, } 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
			Entwistle	3/4 m	W'S.	Turton	1 1/2 m	S'W.

BRITISH RAINFALL ORGANIZATION, EXHIBITION ROAD, LONDON, S.W.7.

Station No. T.F. 2884

RAINFALL at Bolton W.W. (Moorside) S

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County of South Lancashire

Observer Bolton Corp. W.W.

River Basin Mersey - Irwell - 3

Type of Gauge Snowdon

Annual Average 50.2 in. based on 4 years obs. un-weighted. Period of average 1881-1915 Ref. S

File No. 741918/27

Diameter	5"		562	138							
Height	10"				1						
Altitude	850'				41						
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	1.96	2.19	2.17	3.08	
April	1.80	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	4.42	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	3.70	1.94	9.52	
October	5.35	9.72	4.13	6.83	7.29	1.31	1.08	3.47	5.25	3.53	
November	3.94	1.57	4.72	8.15	.67	874	6.43	3.09	7.09	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	53.31	48.60	57.60	43.99	53.66	46.70	56.87	
			np.						N.P.		

S Turf wall round gauge.

20004

1943 about 4 in low. m.
Your hygrometer gauge sound but turf will be need of repair. No change of site
Dec 1947. Longines static gauge sound.
1947. Feb part cut off for snow.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
1941			Emm Lane	7/8 m.	W.S.W.	Turton	1 3/4 m. S.

Station No. 2884

T.C. 36

RAINFALL at ⁵ Bolton M.W. (Cheer'side)

County of S. Lancashire

Observer

Bolton Corporation Waterworks

River Basin Mersey-Towell - 3

Type of Gauge G. Standard Bradford

Annual Average 56.2 in. based on 4 years obs. un-weighted. Period of average 1951-1955 Ref. S.
 " 56.03 " " 5 " 1953-57. " " 1956-59 File No. 741918/29

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	5.42	1.20	2.40	
June	4.39	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	
October	.80	5.60	2.42	10.21	3.11	3.76	8.48	5.75	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	2.53	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	

1951 Printed with P. Jan, Feb & Dec added low but Eng states gauge sound + will not agree to any amendment.

Ins. 7.10.53. Slight bend in funnel. New a. recommended. Turf wall in good condition but diameter only 6'6". Standard channels re recommended. Now gauge fitted 29/10/53. Gauge is on land which does not belong to the undertaking and diameter of turf wall cannot be increased from 6'6" to 10' as recommended. Oct 1957. G. tested & found to be sound 1956. Feb. Mar. App'd No. 3.

Feb 1958. G. sound. T.o. 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 from gauge	Parish Church.	Distance from gauge.
1951			Bentwistle	1/8 mi. W.S.W.	Bentwistle	1 3/4 mi. S.

Summary of Earlier Records from 10-year Sheets :

Record D. or d.		1910-19	1920-30	1931-40	1941-50	1951-60
			C1924 A24, 25	✓ —	V.n.p. 43, 49 —	