

RAINFALL at Bolton W. W., Browne LaneCounty of S. Lancashire Observer J. H. Swales, Esq. B. Sc.River Basin Mersey - Jewell 3 1930. J. P. Ainsworth B. Sc.

Rain Gauge, by _____

Diameter ...							5							
Height							1.0							
Altitude ...							1,200							
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 MEANS.			
January ...							6.24	5.49	13.71	2.21	7.24			
February ...							6.04	2.83	5.98	1.62	4.8			
March							2.72	6.37	3.97	2.21	3.53			
April							2.12	4.38	1.67	1.60	3.17			
May							4.05	2.05	1.30	4.17	3.27			
June							3.52	6.07	8.34	2.61	2.91			
July							4.73	5.38	3.68	5.33	7.54			
August							5.25	8.05	9.24	7.27	9.83			
September...							5.63	8.27	1.65	2.73	4.58			
October							4.50	5.51	7.81	9.64	8.16			
November...							8.46	6.38	8.54	10.63	8.62			
December...							2.62	1.55	4.05	9.47	5.83			
TOTALS...							76.50	67.58	59.00	55.88	62.23	70.21	59.49 70.21	65.16

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	Parish Church.	Distance from gauge	Direction
1926	53° 40'	2° 29'						

RAINFALL at Bolton W.W. (Brown Lowe)

County of South Lancashire Observer Bolton Corps. W.W.

River Basin Mersay-Twells-3

Type of Gauge Standard

Annual Average 51.8 in. based on 13 years obs. un-weighted. Period of average 1881-1915 Ref. L.W.S. 7-1915/27

Diameter	5.											
Height	1.0											
Altitude	1200.											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Mean Trends	
January	6.13	6.35	3.63	4.62	3.12	3.75	4.71	6.25	6.05	(3.90)	52.54	
February	6.92	1.18	4.53	5.6	7.82	2.85	6.80	2.43	5.50	(3.50)	41.15	
March	8.5	4.85	3.81	3.37	2.10	4.34	2.16	2.46	3.04	3.97	30.65	
April	4.88	4.80	2.76	3.39	4.23	1.35	5.42	1.07	3.57	3.31	34.28	
May	3.09	5.71	2.67	5.24	1.39	1.14	2.63	5.50	2.26	1.05	30.68	
June	7.33	1.35	3.46	2.72	4.55	8.42	2.91	6.09	4.73	7.19	40.25	
July	6.00	5.86	4.20	2.78	2.55	6.70	2.82	6.98	9.32	7.22	54.43	
August	6.70	1.83	4.05	7.14	2.31	3.37	3.81	3.69	4.02	3.84	40.96	
September	5.22	8.52	1.29	4.74	8.91	3.24	2.43	3.57	2.04	6.38	48.24	
October	3.75	10.13	5.44	7.91	11.88	6.85	2.80	12.02	3.17	5.66	67.61	
November	10.20	4.46	3.04	3.18	6.19	8.19	2.33	8.40	9.47	9.03	64.49	
December	3.70	2.82	7.9	8.92	5.38	6.27	2.97	6.35	3.83	6.70	47.73	
TOTALS	66.27	56.36	39.67	54.57	60.43	58.97	41.79	64.81	57.09	(55.75)	555.71	

1940 Jan & Feb estd. by observer.

Position of Station on reduced Ordnance Survey Maps } 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
1940			Spring Vale	15m	N.E.	St. Andrew Belmont	2m	S.W.
							2 1/2 m	SSW

Station No. T.F. 2889RAINFALL at Bolton W.D. (Brown Lane)

41

County of South Lancashire Observer Bolton Corp. W.D.River Basin Mersey-Inverell-3Type of Gauge SnowdonAnnual Average 53.8 in. based on 13 years obs. un-weighted. Period of average 1881-1915 Ref. 1 W.S.File No. 741918/27

Diameter	5"			562	065						
Height	1'0"				1						
Altitude	1200'				41						
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means Total
January	1.65	5.41	7.44	7.49	4.32	5.97	4.36	10.73	4.02	4.79	56.18
February	5.92	2.21	4.38	2.81	7.11	7.48	(1.46)	3.62	3.56	5.92	44.47
March	4.12	3.88	1.57	1.45	1.85	1.36	6.62	2.59	2.36	3.39	29.19
April	2.29	2.72	3.15	3.11	2.60	1.53	3.72	2.61	5.22	4.52	31.47
May	3.96	4.74	3.89	4.15	4.27	1.79	3.01	2.24	4.28	2.51	34.84
June	.85	1.01	4.87	4.49	5.19	3.84	3.75	7.38	1.43	3.21	36.02
July	2.84	8.04	4.08	5.21	4.01	4.74	4.25	3.45	3.11	5.46	45.19
August	8.24	7.37	9.35	4.40	3.45	8.83	.29	7.28	3.48	8.31	61.00
September	1.83	4.44	6.72	8.54	3.83	8.90	5.22	4.13	3.15	10.77	57.53
October	6.00	11.01	5.10	7.45	7.60	1.82	1.59	4.18	5.74	4.52	55.01
November	3.98	1.75	5.22	8.42	96	8.77	6.72	2.89	7.73	8.28	54.72
December	4.12	5.93	3.62	5.24	4.12	5.36	5.06	5.81	8.66	4.08	52.00
TOTALS	45.80	58.51	59.39	62.76	49.31	60.39	46.05	56.91	52.74	65.76	557.62

Dec. 1947. Highest states only contained perforated to be seen to.
1947. Feb. part solid for snow

20004

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			Spring Vale	2 m.	N.E.	Belmont	2 1/4 m.	S.S.W.

BRITISH RAINFALL ORGANIZATION

Station No. 2889

T.F. 36

RAINFALL at Bolton W.M. (Brown Lowe)

51

County of Lancashire

Observer

Bolton L. Brown W.M.
Capekian Waterworks

River Basin Mersey-Jewell-3

Type of Gauge Snowdon damper and filter

Annual Average 52.8 in. based on 18 years obs. un-weighted. Period of average 1881-1915 Ref. 1. W. S.

" " 52.9 " " 20 " " 1916-50 File No. 74-1915/27

57.00 " " 34 " " within 1923-57

Diameter ...	5"			56 2	0 65						
Height ...	1' 0"			1							
Altitude ...	600			51							
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means Total
January ...	5.41	4.59	2.87	6.54	3.08	6.21	4.89	5.53	3.46	6.60	49.18
February ...	3.64	2.26	1.58	4.67	2.62	1.24	4.12	8.83	1.13	4.15	34.24
March ...	5.64	2.95	2.84	3.67	2.46	2.13	5.18	2.59	2.62	1.74	31.82
April ...	3.33	4.26	4.22	1.41	3.89	3.16	.83	2.08	3.77	3.21	30.16
May ...	2.98	3.02	3.56	3.48	5.29	2.29	2.70	5.68	2.15	2.55	33.70
June ...	1.74	5.63	3.64	4.62	4.59	3.34	2.86	5.11	2.83	1.76	36.12
July ...	5.28	4.08	6.54	9.82	1.26	7.45	9.18	4.85	6.00	11.60	66.06
August ...	5.77	5.84	6.13	8.30	1.74	14.22	7.06	5.58	.61	6.38	63.63
September ...	4.09	6.31	5.98	6.86	6.07	4.53	11.25	5.66	.51	3.97	55.23
October ...	1.24	5.96	2.75	10.85	3.65	3.54	9.73	(543)	6.03	5.37	55.05
November ...	10.26	3.73	7.69	9.57	3.76	2.31	2.68	2.27	6.40	8.38	57.05
December ...	18.44	5.64	2.58	8.33	6.75	5.48	7.09	5.05	10.62	6.03	70.01
TOTALS ...	61.82	54.27	50.38	78.12	45.16	55.90	69.57	54.16	46.13	61.74	582.25

1958 Oct Oct No 3s

1960 A little low but accept.

00044

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference 34/642-193

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge.	Direction from gauge.
1951			Strong Vale	2 m.	N.E.	Belmont.	2 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
		C1923 A23-25	✓ —	✓ —	