

RAINFALL at Balton W.W., Hulton Pasture

County of S. Lancashire Observer J. K. Surales, Esq. C.E.

River Basin Mersey Lowell 3, 1930. J.P. Amisworth Esq. C.E.

Rain Gauge, by _____

Diameter ...							5				
Height							1.0				
Altitude ...							1130				
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEANS.
January ...							5.96	4.66	12.00	2.97	6.444
February ...							5.52	2.67	4.80	1.37	.54
March							2.79	6.27	3.59	2.04	3.45
April.....							2.13	3.35	1.45	1.37	3.19
May							3.18	1.81	1.40	3.65	2.55
June							3.00	5.63	6.07	2.17	3.50
July							4.28	4.92	2.96	4.70	7.41
August							4.56	7.55	8.63	6.59	9.61
September...							5.40	7.67	1.45	2.53	4.62
October.....							3.80	4.91	7.21	8.27	7.68
November...							8.16	5.86	7.44	9.03	7.30
December ...							2.23	1.65	3.63	8.16	6.83
TOTALS...				53.38	65.64	57.90	48.25	51.01	57.45	60.63	52.85
											62.02

IX/28. Inspected by Mr Colans see green file

L1 over-expired on 1/1/25 copied from f741918/27

1929. Overhoused prior to 1/1/29. Standard turf wall erected on that date.

Rejected from Survey 5' low.

Position of Station on reduced Ordnance Survey } No. of Map _____ Reference No. _____
Map, 2 miles to 1 inch-Series }

Date.	Lat. N.	Long. W.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge
1926	53° 40' 20''						

RAINFALL at Balken W.W. (Hutton Pasture) *

County of South Lancashire

Observer Balken Corp. W.W.

River Basin. Mersey - Irwell - 3.

Type of Gauge. Snowdonian.

Annual Average 49.7 in. based on 44 years obs. un-weighted. Period of average 1881-1926.

Ref. S.

74/98/27.

Diameter	S.										
Height	1.0.										
Altitude	1130.										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	6.76	5.53	3.43	4.27	3.50	5.91	3.89	5.45	5.63	(3.70)	
February	4.83	2.20	4.39	4.49	6.14	3.29	6.35	1.99	5.19	(3.60)	
March	7.73	3.78	3.70	3.10	1.66	3.76	2.46	2.23	2.68	3.67	
April	4.19	3.97	2.52	3.44	4.23	1.38	4.97	7.79	3.30	3.25	
May	2.81	5.19	2.79	4.49	1.76	1.73	2.61	5.57	1.96	.93	
June	7.14	1.17	3.15	2.60	4.15	5.14	2.50	5.57	4.40	1.15	
July	5.08	5.67	3.79	2.40	2.22	6.31	2.78	6.17	8.68	7.05	
August	6.45	1.74	3.61	6.78	2.06	3.86	3.48	4.29	3.35	3.43	
September	5.17	7.13	1.12	4.47	8.45	5.41	2.20	3.59	1.88	5.33	
October	3.19	8.96	5.24	7.02	9.62	8.48	2.97	9.45	3.16	5.11	
November	9.63	4.01	3.06	2.93	5.87	7.35	2.41	7.05	8.35	8.61	
December	2.94	2.36	8.2	8.46	5.17	5.14	4.17	5.71	3.37	6.32	
TOTALS	58.92	49.71	37.62	50.46	54.83	54.26	40.79	57.86	52.95	(52.15)	

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

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

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

Station No. T.F. 2883

RAINFALL at Bolton W.W. (Hutton Pasture)

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

River Basin Mersey - Irwell-3

Type of Gauge Snowdon

Annual Average 49.7 in. based on 4 years obs. unweighted. Period of average 1881-1955 Ref. S

File No. 741916/27

Diameter	5"		562	255							
Height	1'0"				1						
Altitude	1130'				41		1090	1090			
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	(1.65)	5.31	6.89	7.43	4.84	5.63	11.54	3.91	4.68		
February	5.54	2.27	4.01	2.93	7.19	7.84	3.39	3.42	6.53		
March	3.99	3.79	1.44	1.26	1.93	1.24	2.45	2.73	3.22		
April	2.24	2.58	3.93	2.81	2.76	1.81	2.68	4.64	3.92		
May	3.03	4.57	3.82	4.73	4.14	1.78	2.07	4.44	2.32		
June	.73	1.03	4.92	4.48	5.68	4.45	7.40	1.54	3.51		
July	2.86	6.89	3.98	5.19	3.81	5.08	3.64	3.23	5.91		
August	3.03	6.66	9.58	4.15	3.98	9.57	7.19	3.33	8.57		
September	1.61	4.12	6.61	8.73	3.21	8.97	3.89	3.08	10.86		
October	5.39	9.26	5.09	7.08	7.95	1.96	4.48	5.69	4.57		
November	3.66	1.49	5.58	8.26	9.8	8.93	2.88	7.79	8.48		
December	3.61	5.31	4.06	5.37	4.47	5.41	5.66	7.98	4.68		
TOTALS	42.34	53.28	59.91	62.42	50.86	62.67	57.27	51.78	67.25		

Fig. 8 Turf Wall round gauge. 1941. Jan. rec'd. by observer.
 17.2.44. Gauge taken gauge sound and built turf wall to be repaired. Check gauge to be fixed all lower level (28.83/1)
 Dec. 1947. Gauge still gauge sound.

40004

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	Parish Church.	Distance from gauge	Direction
1941			Borring Vale	2 1/2 m.	N.E.	Belmont	1 1/2 m.	S.

BRITISH RAINFALL ORGANIZATION

Station No. 2888/1

RAINFALL at: Bolton W.W. (Hulton Pasture) ~~1000~~(click)

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County of S. Lancashire Observer Bolton Corpn. W.W.

River Basin Mersey - Swill - 3

Type of Gauge Standard

Annual Average.....in. based on.....years obs. un-weighted. Period of average..... Ref.....

File No. 741918/27

Diameter					5						
Height					1' 0"						
Altitude					1090'						
Year	1941	1942	1943	1944	X	1945	1946	1947	1948	1949	1950
January						4.77	5.49	4.41			
February						6.91	7.72	(1.08)			
March						1.89	1.19	7.83			
April						2.72	1.73	3.69			
May						4.31	1.31	3.19			
June					#	5.55	4.27	3.51			
July						5.16	3.78	4.89	4.31		
August						4.02	3.82	9.04	.21		
September						8.61	3.11	8.76	5.03		
October						6.37	7.83	1.89	1.44		
November						8.82	.96	8.87	7.09		
December						5.34	4.53	5.36	4.91		
TOTALS						inc 50.18	60.52	46.70			
						n.p.	n.p.	n.p.			

1945 n.p. check. 1946 n.p. check.

1947. n.p. check. Feb point added for snow

1948 See 2883

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	Parish Church.	Distance from gauge
1944			Spring Vale	2½ m.	N.E.	Bellhouse	1½ m. S

Station No. 2883 T.F. 36

RAINFALL at Bolton 10.10 (Bolton Pasture) VolCounty of C. Lancashire Observer Bolton Hydrological
Corporation Weather BureauRiver Basin Marske - Irwell - 3Type of Gauge 12 in Bradford

Annual Average 49.7 in. based on 4 years obs. un-weighted. Period of average 1881-1915 Ref. S
 " 55.19. " " 24 " - Within 1932-57. " " 1916-50 File No. 74191827

Diameter ...	5"			562	255						
Height ...	11 0"				1						
Altitude ...	1090'				51						
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January	6.94	5.97	2.7+	6.39	3.04	6.89	4.24	4.78	2.94	7.32	
February	4.41	2.31	1.66	4.27	3.01	1.11	3.45	(4.08)	1.11	3.63	
March	6.04	2.86	2.74	3.77	2.49	2.16	4.94	2.12	2.68	1.48	
April	3.19	4.53	4.05	1.24	4.03	3.80	.85	1.88	3.60	2.60	
May	3.22	3.04	3.32	3.49	5.15	2.14	2.49	5.22	1.65	2.31	
June	1.69	5.62	3.24	5.42	4.81	3.22	2.46	5.45	2.57	1.51	
July	5.06	3.98	6.11	9.97	1.16	7.27	8.77	4.98	6.72	10.39	
August	6.11	5.82	5.84	8.49	1.72	15.08	8.75	6.64	.60	6.19	
September	3.97	6.19	6.17	7.04	5.91	5.23	10.87	5.86	.49	3.62	
October	1.19	6.03	2.83	10.97	3.28	3.51	8.24	5.59	5.43	5.14	
November	10.73	3.44	7.55	9.54	3.72	2.06	2.41	2.36	5.67	7.56	
December	11.63	5.18	2.60	7.93	6.38	4.80	6.48	5.29	8.90	4.90	
TOTALS ...	64.18	54.97	4883	79.07	144.70	57.27	63.95	59.25	42.36	56.65	
				M	M	M	M	M	AP	AP	

Inc 61053. C. + turf wall sound. Exposed in all directions except east.

1956 first point est 10.38

20004

1959: - np low

1960: np low

Position of Station on Ordnance One-Inch map : No. of Map National Grid Reference SD672163

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Parish Church.	Distance from gauge.
1957			Hawthorn Vale	55m. NE	Belmont	13m. S.

Summary of Earlier Records from 10-year Sheets :

Record D. or d		1910-19	1920-30	1931-40	1941-50	1951-60
			c1922 A22-25	✓ —	41-46, 48-50 —	

A.M. Form 1903. Air Ministry, Meteorological Office.

BOLTON W.W.

RAINFALL at (HULTON PASTURE) No. 2.

Station No. 2883/1 TF.36

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County of LANCASHIRE

Observer BOLTON CORP. W.W.
Corporation Weather

River Basin MERSEY- IRWELL -3

Type of Gauge.....

Annual Average..... in. based on..... years obs. un-weighted. Period of average..... Ref.....

File No. 741918/27

Diameter ...			5"								
Height ...			1'0"								
Altitude ...			115'								
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...				6.11							
February ...				4.69							
March ...				3.74							
April ...				1.13							
May ...				3.47							
June ...				5.36							
July ...				9.83							
August ...				8.41							
September ...				6.98							
October ...				10.84	#						
November ...											
December ...			#	2.34							
TOTALS ...				INC NP NP inc.							

1953 Surrounding wire fence. NP in complete

Position of Station on Ordnance One-Inch map : No. of Map..... National Grid Reference SD.(34) 672183

Date.	Lat. N.	Long. W.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge.
1953	53°39'55" N	2°29'56" W	Spring Vale	2½ mts.	NE	Bolton	1½ mts. S

Summary of Earlier Records from 10-year Sheets :

Record D. or d		1910-19	1920-30	1931-40	1941-50	1951-60