

RAINFALL at Bolton, W. W., Kalden's Farm,County of Lancashire Observer J. K. L. L. L., Esq.River Basin Mersey - Irwell 3 was Eng. Bolton

Rain Gauge, by \_\_\_\_\_

J. P. Ainsworth C.E. (1930)

Diameter ...							5				
Height .....							1.0				
Altitude ...							955				
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930. MEANS.
January ...							7.00	5.97	13.50	2.97	7.19
February ...							5.95	2.67	5.81	1.72	.58
March .....							3.96	7.73	4.13	2.18	3.60
April .....							2.46	4.62	1.61	1.59	3.32
May .....							4.67	2.00	1.39	4.15	3.09
June .....							3.36	6.38	7.83	2.40	2.65
July .....							4.63	5.71	3.42	5.02	7.32
August .....							5.46	8.25	8.50	6.69	9.36
September...							5.64	7.35	1.40	2.80	4.64
October .....							4.42	5.65	4.64	3.50	8.31
November...							8.71	6.12	8.95	10.28	8.19
December...							2.78	2.01	4.25	9.15	5.80
TOTALS...		49.35	58.69	74.67	61.72	56.73	59.04	64.46	68.43	57.45	64.05

IX/28 Inspected by Mr Colless - see green file 1921/25 copies from 741718/27  
 1929. Overexposed prior to Jan. 1929 from which date there has been erected a  
 standard luff wall.

Position of Station on reduced Ordnance Survey } No. of Map \_\_\_\_\_  
 Map, 2 miles to 1 inch Series \_\_\_\_\_

Reference No. \_\_\_\_\_

Date.	Lat. N.	Long. W.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge	Direction
1926	53° 39'	2° 28'						

RAINFALL at Bolton W.W. (Holden's Farm)\*County of South Lancashire Observer Bolton Corpn W.W.River Basin Mersey - Irwell 3Type of Gauge snowdonAnnual Average 53.0 in. based on 10 years obs. unweighted. Period of average 1881-1915 Ref. I.U.S.  
(1939) 53.0 10 74/1918/27

Diameter	5.											
Height	1.0.											
Altitude	95.											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means Totals	
January	8.30	6.40	3.50	5.04	4.04	5.64	4.30	6.24	6.80	(3.70)	53.96	
February	6.90	1.9	4.57	6.2	7.61	3.70	7.69	2.00	5.76	3.87	42.91	
March	7.0	4.04	3.85	3.62	1.84	3.63	2.60	2.28	2.75	3.73	29.04	
April	4.55	4.59	2.55	3.77	4.35	1.28	5.10	9.6	3.30	3.44	33.89	
May	3.02	5.60	3.11	5.43	1.69	1.15	2.44	5.28	1.89	9.2	30.63	
June	7.06	1.22	3.12	3.11	4.90	4.63	2.21	5.85	4.70	1.22	38.02	
July	6.06	5.03	3.70	4.35	2.32	6.65	2.60	6.15	9.79	7.28	53.93	
August	6.55	1.74	3.61	6.68	2.57	3.90	3.66	3.87	2.93	3.45	38.96	
September	5.08	8.24	1.17	5.24	8.35	5.48	2.26	3.47	1.61	5.72	46.62	
October	3.40	10.25	5.62	8.46	10.12	6.07	2.63	12.08	2.84	5.52	66.99	
November	10.07	4.72	3.06	2.79	5.62	7.83	2.10	7.30	8.66	8.89	61.04	
December	3.24	2.73	8.3	8.10	5.10	5.50	3.49	5.92	4.26	7.25	46.42	
TOTALS	64.93	54.75	38.69	57.21	58.51	55.46	41.08	61.50	55.29	54.99	542.41	

\* Turf Wall round gauge from Jan 1929 prior to which g. was over-exposed.  
1940 Jan. std. 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	2 1/2 m	E.N.E.	Belmont.	1 1/4 m	SW

Station No. T.F. 2878RAINFALL at Bellon W.W. (Halden's Farm) §

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County of South Lancashire Observer Bellon W.W.River Basin Mersey-Jarvis-3Type of Gauge StandardAnnual Average 53.0 in. based on 10 years obs. un-weighted. Period of average 1881-1915 Ref. 1.W.S.File No. 741918/27

Diameter	5"			562	308							
Height	1'0"				1							
Altitude	955				41							
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	Totals
January	2.18	5.60	7.10	7.23	(5.00)	6.30	4.42	11.03	3.82	4.80	57.48	
February	6.50	2.75	3.75	3.07	(7.50)	8.00	1.34	3.39	3.36	6.38	46.54	
March	4.15	4.28	1.49	1.25	1.87	1.20	3.00	2.21	2.96	3.06	30.47	
April	2.22	2.69	3.75	3.02	3.02	1.54	4.18	2.69	4.71	4.30	32.12	
May	3.29	4.46	3.78	4.69	4.35	1.60	3.24	2.30	11.38	2.52	34.61	
June	.64	.95	5.20	4.29	5.70	4.28	3.41	7.94	1.20	3.35	36.96	
July	2.42	6.95	3.65	4.75	3.30	4.60	3.95	3.26	2.69	5.52	41.09	
August	6.38	6.70	9.69	4.05	3.41	8.44	.27	6.53	3.22	7.77	58.46	
September	1.65	3.89	5.46	7.81	3.86	8.94	4.38	4.18	2.84	9.95	52.96	
October	5.72	10.08	4.78	6.83	7.41	1.63	1.21	4.32	5.47	4.02	57.48	
November	3.59	1.65	5.82	8.29	.94	8.78	6.31	2.99	6.78	8.04	53.19	
December	3.63	5.96	3.56	5.18	4.26	5.07	4.68	5.43	7.81	4.49	50.05	
TOTALS	44.37	55.96	58.03	60.46	50.62	60.38	45.89	56.25	49.24	64.21	545.41	

72.44 English states gauge sound & exposed unaltered  
 1945 Jan. & Feb. part est'd.  
 Dec. 1947. English states gauge sound.

60004

## § Turfwall round gauge

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			Entwistle	2 1/2 m.	E.N.E.	Bellmont	1 1/2 m.	S.W.

BRITISH RAINFALL ORGANIZATION



Station No. 2878 *EF 36*

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RAINFALL at 5 Bolton W.M. (Holden's Farm)County of G. LancashireObserver BoltonRiver Basin Mersey - Livelth 3Type of Gauge Standard BradfordAnnual Average 56.01 in. based on 33 years obs. un-weighted. Period of average 1881-1915 Ref. L.W.S." " 56.01 " " 33 " " within 1921-57. " " 1916-50 File No. 74/1918/27

Diameter ...	5"			562	308							
Height ...	1' 0"				1							
Altitude ...	955'				51							
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means	Totals
January ...	5.65	5.47	2.71	5.62	3.46	6.58	(4.08)	5.11	3.75	7.67	50.10	
February ...	3.83	2.25	2.44	4.07	3.01	1.23	3.60	9.39	1.00	4.67	35.49	
March ...	5.72	2.81	2.78	3.41	2.47	2.01	4.34	2.64	2.64	1.66	30.48	
April ...	2.88	4.37	3.62	1.21	3.95	3.58	.77	1.94	3.92	2.90	29.14	
May ...	2.57	2.90	3.02	3.35	5.06	2.04	2.35	5.30	1.51	2.81	30.91	
June ...	1.52	5.12	3.45	4.72	4.15	3.26	2.48	4.66	2.99	1.63	33.98	
July ...	3.96	3.51	6.15	9.83	1.04	7.05	7.95	4.86	6.35	11.07	61.27	
August ...	6.55	4.98	5.69	7.47	1.59	13.87	8.05	6.80	.60	6.80	61.40	
September ...	3.95	5.87	5.82	6.85	5.79	4.56	9.80	5.47	.54	3.88	52.53	
October ...	1.10	5.43	2.40	10.04	3.12	3.92	8.27	5.60	5.87	5.46	51.21	
November ...	9.72	3.23	6.50	8.72	3.16	2.01	2.31	2.46	6.29	9.13	53.53	
December ...	11.40	5.52	2.35	8.14	6.43	5.09	6.37	5.10	10.38	6.01	66.79	
TOTALS ...	57.85	51.46	46.93	72.93	43.23	55.20	60.37	59.33	45.84	63.69	556.83	
	M	M	NP	M	M	M	NP	M	M	M		

ins 7.10.53. G. sand. turf wall in good order in but overgrown with grass.

1953 NP turf wall overgrown.

Feb. 1958. G. and f.w. in good order.

1957 n/p low

1958 fruit

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Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference SD690170

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge.	Direction from gauge.
1951			Antwith	2½ m.	E.N.E.	Belmont	1½ m.	S.W.

Summary of Earlier Records from 10-year Sheets :

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
		C 1921	✓	✓	
		A 21-26	—	—	