

RAINFALL at Bolton, W.W., Holdens Farm,
 County of S. Lancashire Observer J. K. Scales, Esq. C.E.
 River Basin Mersey-Solent 3 was Eng. Bolton

Rain Gauge, by _____

J.C. Pinsworth C.E. (1930)

Diameter ...							5			
Height							1.0			
Altitude ...							955			
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929
January ...							7.00	5.97	13.50	2.97
February ...							5.95	2.67	5.81	1.72
March							3.96	7.73	4.13	2.18
April							2.46	4.62	1.61	1.59
May							4.67	2.00	1.39	4.15
June							3.36	6.38	7.83	2.40
July							4.63	5.71	3.42	5.02
August							5.46	8.25	8.50	6.69
September...							5.64	7.35	1.40	2.80
October....							4.42	5.65	4.64	9.50
November...							8.71	6.12	8.95	10.28
December...							2.78	2.01	4.25	9.16
TOTALS...	49.35	58.69	74.67	61.72	56.73	59.04	64.41	68.43	57.45	61.05

IX/28 Inspected by Mr Colless - see green file 1921/25 copies from 74178/8/78
 1929 Operated from 1 Jan. 1929 from which date there has been erected a
 standard turf wall.

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	Direction
1926	53° 39'	2° 28'						

RAINFALL at Bolton W.W. (Holden's Farm)

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

River Basin... Mersey-Irwell-3

Type of Gauge... Snowdon

Annual Average.....~~52.1~~ in. based on ~~X~~ years obs., unweighted. Period of average..... 1881-1915 Ref.... I.N.S.
(1889) 53.0 10 74 (9/18/27)

Diameter	5.				N						
Height	1.0.										
Altitude	950.										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Meaning Total
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	4.65	4.59	2.55	3.77	4.35	1.28	5.10	1.96	3.30	3.44	33.89
May	3.02	5.60	3.11	5.43	1.69	1.15	2.44	5.38	1.89	1.92	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	58.93
August	6.55	1.74	3.61	6.68	2.57	3.90	3.66	3.87	2.93	3.46	38.96
September	5.08	8.24	1.17	6.24	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	1.83	8.10	5.10	5.50	3.49	5.92	4.26	7.25	46.42
TOTALS	66.93	54.75	38.69	57.21	58.51	55.46	41.08	61.50	55.29	54.99	512.41

* Turf Wall round gauge from Jan 1929 prior to which it was over-exposed.
1940 Jan. abd. by Seewer.

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
			Entwistle	2 1/2 m	E.N.E.	Belmont.	1 1/4 m	S.W.

Station No. T.F. 2878

RAINFALL at Bolton W.W. (Holden's Farm) §

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County of South Lancashire

Observer Bolton Corp. W.W.

River Basin Mersey - Darwen - 3

Type of Gauge Snowdon

Annual Average 53.0 in. based on 10 years obs. un-weighted. Period of average 1881-1915 Ref. I.W.S.

File No. 741918/24

Diameter	5"		562	308							
Height	10"				1						
Altitude	955				41						
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	2.18	5.60	7.10	7.23	(5.00)	6.30	4.42	11.03	3.82	4.80	51.48
February	6.50	2.75	3.75	3.07	(7.50)	8.00	1.84	3.39	3.36	6.38	46.54
March	4.16	4.28	1.49	1.25	1.87	1.20	8.00	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	4.38	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	8.38	6.70	9.69	4.05	3.41	8.44	.21	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	51.48
November	3.59	1.65	5.82	8.29	9.4	878	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	5.41	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

172.44 longman stokes gauge sound + capsize enabled
 1945 Jan. & Feb. part est'd.
 Dec. 1945. engineer stokes gauge sound.

60004

§ Turfwall round gauge

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.
1941			Entwistle	2 1/2 m.	E.N.E.	Bolmoe	1 1/2 m.	S.W.

Station No. 2878 E.F. 36

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RAINFALL at ⁵ Bolton W.W. (Holdens Farm)

County of S. Lancashire

Observer

Bolton Corporation Waterworks

River Basin Mersey-Tweddle-3

Type of Gauge Standard Bradford

Annual Average 57.0 in. based on 60 years obs. un-weighted. Period of average 1881-1915 Ref. 1.W.S.
 " " 51.9 20 " " 1916-50
 " " 56.01 - 33 - within 1921-57. " " " File No. 7441918/27

Diameter ...	5"		562	308							
Height ...	1' 0"				1						
Altitude ...	955'				51						
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means- Total
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	2.25	5.30	1.51	2.81	30.91
June	1.52	5.12	3.42	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	9.42	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 ...	57.83	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	M	M	M	M	M	

In 1953 G. sound. Turf wall in good condition but overgrown with grass.

1953 NP turf wall overgrown.

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

1957 np low.

1958 frost

40004

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Position of Station on Ordnance One-Inch map : No. of Map National Grid Reference SD 690170

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Parish Church.	Distance from gauge.
1961			Intwistle	2 1/2 m. E.N.E.	Belmont	1 1/2 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	V —	V —	