

RAINFALL at Bolton W. W. (Darker Farm).County of Lancashire.Observer Bolton W. W. per J. K. Swales.River Basin Mereby. Ruell 3.1930. T.P. Cinnamond Esq. C.E. Reg. C. 6.

Rain Gauge, by

Diameter												5'
Height												1' 0"
Altitude												872'
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	
January										2.53	5.52	
February										1.45	.25	
March										1.77	3.14	
April										1.33	2.50	
May										2.71	2.14	
June										2.29	3.02	
July										3.70	6.92	
August										6.25	8.79	
September										2.66	4.29	
October										8.01	7.09	
November										8.35	7.13	
December										6.21	4.47	
TOTALS										47.25	55.26	

Position of Station on reduced Ordnance Survey
Map, 2 miles 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

RAINFALL at Bolton W.W. (Harpers Farm)

County of South LancashireObserver Bolton Corpn. W.W.River Basin Mersey-Triwell-3.Type of Gauge SnowdonAnnual Average in. based on years obs. un-weighted. Period of average Ref.

T.L. 1918/27.

Diameter	5.										
Height	1.0.										
Altitude	872										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means Totals
January	7.57	5.37	2.77	3.68	3.68	5.47	3.58	5.73	5.98	(3.20)	47.08
February	5.67	.07	3.78	.43	6.06	2.37	6.28	1.93	4.88	(3.00)	34.52
March	.45	3.09	2.87	2.78	1.87	3.07	2.08	2.33	2.62	3.08	24.29
April	3.93	3.47	1.78	2.68	3.68	1.37	4.73	.67	3.47	3.57	27.40
May	2.67	4.28	2.27	3.97	1.58	1.19	2.37	4.83	1.46	1.98	27.65
June	7.34	.67	3.97	1.86	4.87	3.77	2.17	4.36	4.28	1.34	35.13
July	3.87	4.37	2.87	2.88	1.66	3.67	2.97	4.69	7.29	5.88	40.15
August	6.67	1.68	3.18	5.57	2.27	2.37	3.63	4.47	1.98	2.63	35.00
September	4.47	6.87	1.00	3.86	7.07	4.38	2.07	3.27	1.38	4.58	39.15
October	3.47	9.17	4.85	6.96	9.50	4.07	2.47	10.26	2.87	4.68	58.25
November	7.87	4.17	2.78	2.48	5.23	5.57	2.18	5.58	7.07	7.85	50.78
December	2.87	2.37	.56	7.20	4.47	4.58	5.27	5.87	3.50	5.28	41.97
TOTALS	56.80	45.58	32.68	44.35	51.94	42.38	40.40	54.69	47.48	(47.07)	463.37

1940 Jan. estd.
Feb. estd.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
			Loxlock Junction	1 1/2 m	S.	Stanton	1 1/2 m	S.E.

Station No. T.F. 2848RAINFALL at Bolton W.D. (Harper Farm)

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County of South Lancashire Observer Bolton Corp. W.D.River Basin Mersey - Irwell - 3Type of Gauge SnowdonAnnual Average 44.2 in. based on years obs. un-weighted. Period of average Ref. File No. 741918/27

Diameter	5"										
Height	1'0"										
Altitude	872								X	X	
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means Total
January	1.20	5.04	5.83	6.22	3.84	5.46	3.49	10.03	3.44	3.58	48.13
February	5.20	2.94	3.05	2.47	5.63	6.73	.68	2.58	2.50	4.89	36.77
March	3.34	3.90	1.25	1.03	1.88	.96	5.89	1.88	2.97	2.42	25.51
April	2.41	1.95	2.97	3.18	2.72	1.39	3.55	1.92	3.92	3.38	27.39
May	2.93	4.31	3.37	4.43	4.27	1.27	3.07	2.20	2.70	1.81	30.42
June	.40	.78	3.80	3.87	5.04	4.26	2.74	6.30	1.24	2.81	31.24
July	3.02	5.23	3.38	4.56	4.75	4.28	3.25	3.64	2.97	4.34	39.42
August	6.35	5.32	6.75	3.55	3.22	7.98	.33	5.95	3.58	7.40	50.43
September	1.06	2.60	5.37	6.40	3.52	8.87	3.72	4.00	2.07	8.05	45.66
October	5.02	8.15	4.38	5.65	6.90	1.54	.98	3.67	4.16	3.29	43.74
November	3.22	1.38	4.88	7.52	77	7.10	5.26	2.57	6.36	6.47	45.53
December	3.30	5.45	2.91	4.30	3.52	4.26	4.10	4.65	6.10	3.92	42.51
TOTALS	34.58	47.05	47.94	53.24	46.06	54.10	37.06	49.35	42.01 P	52.36	466.75

Dec. 1947. Eng. 21350 gauge sound.

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			Lostock Junction	1 3/4 m	S	Heaton	1 1/4 m	SE

BRITISH RAINFALL ORGANIZATION

Station No. 2848T.F. 36RAINFALL at Bolton 3

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County of Lancashire Observer BoltonRiver Basin Mersey-Swift-3Type of Gauge Standard BradfordCooperation WalsworthAnnual Average 44.2 in. based on 27 years obs. un-weighted. Period of average Ref." " 47.63 " " 27 " " within 1929-57. " " 1916-50File No. 7419/18/27

Diameter ...	5'			562	485							
Height ...	1' 0"				1							
Altitude ...	872'				51							
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means	Total
January ...	4.00	3.90	2.63	5.27	3.46	6.15	3.59	4.24	3.63	7.35	44.22	
February ...	2.87	1.51	2.10	4.07	3.02	1.18	2.79	9.75	.94	3.96	31.19	
March ...	5.00	2.51	2.37	3.09	2.23	2.20	3.79	2.43	2.24	1.70	27.56	
April ...	2.42	4.16	3.34	1.43	3.30	4.01	.69	1.75	3.27	2.62	26.99	
May ...	2.99	2.40	2.94	3.10	4.37	1.51	1.84	5.24	1.87	2.83	28.99	
June ...	1.69	4.65	2.75	4.77	3.88	3.21	2.61	5.84	2.41	1.88	33.69	
July ...	3.66	3.10	5.41	7.57	1.14	7.85	6.42	5.02	5.18	9.26	54.61	
August ...	6.48	5.29	5.54	6.12	1.51	11.41	7.17	6.69	.64	0.31	57.16	
September ...	3.29	5.08	5.01	5.21	5.16	4.47	8.27	5.52	.38	4.31	46.80	
October94	4.89	2.31	8.71	2.66	3.59	5.97	4.81	5.12	5.53	44.53	
November ...	8.33	3.68	5.07	7.47	2.41	2.27	2.28	2.37	5.30	7.59	46.77	
December ...	8.42	4.82	2.22	7.00	(6.60)	4.27	5.40	4.96	7.43	5.26	55.98	
TOTALS ...	50.19	46.99	41.59	63.81	39.74	52.12	50.82	57.22	38.41	58.60	498.49	
	M	M	M	M	M	M	M	M	M	M		

Feb. 1952 - construction of long wall well shortly commence

1951 annual total rather low but accepted

Ins. 6.10 53 G sand Turfwall in good condition. Very exposed to south.

1955 Dec est M.O.3 at Engrs request.

8 Turf-wall

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Position of Station on Ordnance One-Inch map : No. of Map..... National Grid Reference SD668114

Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge.
1954			Kedock Junction	1 1/2 m. S	Hendon	1 3/4 m SE

Summary of Earlier Records from 10-year Sheets :

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
		C1929	✓	✓	