

## RAINFALL AT

Bolton Belmont Longworth

Lat.

Lon.

County of S. Lancashire

Rain Gauge, by

Observer R. H. Swindlehurst Esq.

Trewell 3

Diameter ..	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
Height ..						5					
Altitude ..						100					
						769					
Year ..	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	
January ..						3.43	8.09	2.38	4.36		
February ..						4.34	4.56	2.50	6.15		
March ..						5.00	4.53	4.67	4.15		
April ..						5.02	3.01	2.85	3.01		
May ..						.94	5.02	5.34	4.09		
June ..						2.67	2.76	9.76	2.60		
July ..						3.27	2.69	4.44	6.98		
August ..						6.44	5.54	6.04	5.20		
September ..						3.78	2.26	1.58	5.47		
October ..						5.51	7.81	4.56	2.87		
November ..						6.07	4.83	4.47	4.60		
December ..						1.42	5.43	5.40	4.20		
TOTALS ..						47.89	56.53	53.99	52.68		

† Inspected

(4Bolton W.W., Longworth)

2875  
20

## RAINFALL at Belmont Longworth

County of S. Lancashire Observer K. Swale Esq., C.E.  
 River Basin Mersey-Twissell - 3 Height above sea level  
 Bradford Rain Gauge, by Edward Wilson 1900 ft. above sea level C.E.

Diameter ...	5										
Height .....	100										
Altitude ...	770										
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930. MEANS.
January ...	5.10	6.70	4.50	4.05	6.27	5.95	13.45	2.81	7.28		
February ...	6.61	8.07	1.67	8.45	5.74	2.59	6.15	1.67	5.8		
March ....	3.72	2.45	2.76	3.24	2.95	7.68	3.71	2.10	3.42		
April.....	3.10	4.12	2.63	2.76	2.25	4.55	1.48	1.71	3.05		
May .....	2.55	5.59	6.81	5.80	4.62	1.25	1.44	3.95	8.26		
June .....	4.62	2.00	3.65	1.15	3.18	6.10	7.71	2.25	2.48		
July .....	5.68	6.55	5.90	2.80	4.44	5.14	3.30	4.60	7.01		
August .....	6.61	6.85	10.04	5.24	5.30	7.89	8.42	6.57	8.83		
September...	6.31	6.53	5.64	6.31	5.33	7.55	1.48	2.95	4.94		
October.....	1.80	8.44	6.24	6.65	4.24	5.74	7.38	8.96	8.33		
November...	5.50	8.05	3.45	4.72	8.55	6.05	8.61	10.33	8.48		
December...	7.40	6.82	7.03	3.84	3.00	1.59	11.19	9.11	6.69		
TOTALS...	55.76	46.18	58.00	72.17	60.32	53.71	55.87	63.18	67.65	57.01	6335
M	M	M					M	M			

IX/28. Inspected by Mr. Carter. see green file.

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 from gauge	Parish Church.	Distance from gauge	Direction from gauge
1922	55° 38' 22" N	2° 23' 1" W	Turton Edgworth	2.5 mi	ESE	St Peter's Belmont	1.8 mi	W

### RAINFALL at Bolton W.W. (Longworth)

County of South Lancashire

Observer ... Bolton Corp. W.W.

River Basin Mersey - Irwell - 3

Type of Gauge..... Snowdon.

524 Annual Average, 21.3 in., based on 12 years obs., unweighted. Period of average 1551-1956 Ref. Page 355

Diameter	5.										
Height	1.0.										
Altitude	770.										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means- Totals
January	9.18	6.45	3.29	5.00	4.18	5.04	4.34	6.40	6.48	(3.60)	53.91
February	6.98	20	4.23	60	7.77	3.23	7.47	2.16	5.93	3.65	42.22
March	75	4.00	3.80	3.54	1.96	3.81	2.58	2.24	2.65	3.71	29.04
April	4.63	4.47	2.25	3.76	4.64	1.20	6.30	1.84	3.17	3.60	33.86
May	3.11	5.54	2.89	5.18	1.49	1.09	2.34	5.32	1.87	1.81	29.64
June	6.94	1.18	3.15	3.09	5.14	4.44	2.13	6.05	4.74	1.08	37.94
July	6.00	4.28	3.77	3.00	2.61	6.60	2.68	6.21	9.45	6.91	51.51
August	6.54	1.71	3.55	6.50	2.82	4.25	3.65	4.59	2.45	3.14	39.50
September	4.90	8.40	1.14	5.10	9.23	6.10	2.09	3.34	1.67	5.64	47.67
October	3.59	9.07	5.70	8.16	10.64	8.86	2.62	12.20	2.87	5.40	66.11
November	10.04	4.68	3.10	2.79	5.74	8.37	2.13	7.72	8.59	9.11	62.27
December	3.21	2.80	.80	8.17	5.06	6.12	3.30	6.16	4.31	7.40	47.33
TOTALS	6588	52.78	37.67	54.89	61.28	56.11	40.63	63.23	54.48	54.05	541.00

fig 40 Jan. estd. by Meeker.

*Position of Station on reduced Ordnance Survey Map,* } No. of Map.....  
1 mile to 1 inch Series }

*Reference No.*

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge	Direction
1931			Turton	26 m	ESE	Belmont	1/8 m	W.

Station No. T.F. 2875

## RAINFALL at Bolton w.w. (Longworth)

41

County of South Lancashire Observer Bolton Camp w.w.

River Basin Mersey - Irwell - 3

Type of Gauge Rain gauge

Annual Average 52.4 in. based on 12 years obs. un-weighted. Period of average 1881-1915 Ref. S

File No. 74918/27

Diameter	5"		562	319							
Height	10'				1						
Altitude	770'				41						
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means Total
January	2.01	5.75	7.15	7.30	5.50	6.22	4.39	11.42	4.08	5.01	58.83
February	6.45	2.90	3.82	2.90	6.95	8.29	1.44	3.61	3.51	6.49	46.96
March	4.22	4.35	1.44	1.12	1.98	1.21	7.86	2.32	2.95	3.28	30.83
April	2.24	2.80	3.80	3.25	3.12	1.46	4.36	2.88	4.82	4.89	33.65
May	3.40	4.40	3.74	4.65	4.57	1.56	3.21	2.31	4.53	2.44	34.81
June	.67	.87	5.42	4.46	5.92	4.41	3.34	8.13	1.23	3.51	37.96
July	2.45	6.89	3.92	5.04	3.01	4.61	4.08	3.28	2.80	5.96	42.04
August	8.33	6.92	9.44	4.10	3.39	8.61	.22	6.39	3.51	7.97	58.88
September	1.70	4.04	5.61	7.90	4.02	9.44	4.32	4.15	2.92	10.72	54.82
October	5.80	9.89	4.95	6.95	7.46	1.67	1.18	4.76	5.98	4.13	52.77
November	3.54	1.68	6.07	8.98	.93	9.35	6.60	2.80	1.33	8.59	55.90
December	3.59	6.01	3.62	5.38	4.33	5.34	4.82	5.57	8.35	4.43	51.44
TOTALS	44.46	56.50	58.98	62.03	51.18	62.17	45.82	57.62	52.01	67.52	558.29

Dec. 1947. Rain gauge station gauge removed

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			Junction Edgworth	2½ m.	E.S.E	Belmont	1½ m.	W.

BRITISH RAINFALL ORGANIZATION

Station No. 2875

736

RAINFALL at Bolton M.W. (Longworth)County of S. LancashireObserver Bolton CorporationRiver Basin Mersey-Tweell-3

Corporation Waterworks

Type of Gauge Gauge Bradford

Annual Average 52.4 in. based on 15 years obs. un-weighted. Period of average 1881-1915 Ref. 5  
 " " 56.97 " " 29 " within 1940-57. " " 1916-50 File No. 241918/27

Diameter ...	5"			562	319							
Height ...	1' 0"					1						
Altitude ...	770'				51							
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means	Total
January	6.10	5.49	2.74	6.40	3.15	6.78	4.34	4.93	3.50	8.07	51.50	
February	4.04	2.29	1.72	4.03	2.56	1.13	3.81	9.40	.95	3.96	33.89	
March	6.09	3.10	3.09	3.47	2.28	2.22	4.73	2.73	2.60	1.61	31.92	
April	3.09	4.63	3.90	1.19	4.20	3.54	.84	1.99	3.87	3.16	30.41	
May	2.61	3.01	3.21	3.41	6.58	2.01	2.70	5.72	1.88	2.80	32.93	
June	1.51	5.22	3.08	4.97	4.28	3.24	2.58	4.64	3.12	1.70	34.34	
July	4.02	3.72	7.04	9.54	1.36	8.09	8.65	4.98	6.45	10.54	64.39	
August	5.79	4.63	6.27	7.66	1.82	4.97	8.61	6.79	.56	6.26	63.36	
September	4.12	5.92	5.84	7.12	6.28	4.74	10.64	5.64	.46	3.91	54.67	
October	1.10	6.05	2.43	10.54	3.38	4.01	8.66	5.79	6.01	5.54	53.51	
November	10.16	3.62	6.88	9.08	3.08	2.10	2.47	2.52	6.26	9.42	55.59	
December	11.96	5.93	2.49	8.98	6.92	5.21	6.93	5.30	10.51	6.28	70.51	
TOTALS	60.59	53.61	48.69	76.39	44.89	58.04	64.96	60.43	46.17	63.25	577.02	
	M	M	M	M	M	M	M	M	M	M		

In 1950-53. G. sound but diaphragm of inner can missing. Good exposure with slight slope to S.E.  
 Diaphragm of inner can replaced 5/11/53.

Position of Station on Ordnance One-Inch map : No. of Map ..... National Grid Reference 53692161

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Parish Church.	Distance from gauge
1951			Bolton & Edgworth	2.5 m. E.S.E.	Bolton	1.5 m. W.

Summary of Earlier Records from 10-year Sheets :

Record D. or d		1910-19	1920-30	1931-40	1941-50	1951-60
		C1920 A20,21	✓	✓	✓	