

# RAINFALL AT

Bolton Belmont Longworth

Lat. ....

Lon. ....

County of Lancashire

Rain Gauge, by

Observer R. H. L. Marshall by C. L.

Inwell 3

Diameter ..						5					
Height ....						10					
Altitude ..						769					
Year ....	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..						3.43	8.09	2.38	4.36		
February ..						4.34	4.56	2.50	5.15		
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

## RAINFALL at Belmont Longworth

County of GloucestershireObserver J. K. Swales Esq. C.E.River Basin Mersey-Jewell-3Wharf, BelmontBradford Rain Gauge, by Howard Wilson1930 J. P. Rainworth C.E.

Diameter ...			5									
Height .....			1.0									
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		728
February ...			6.61	8.07	1.67	8.45	5.74	2.59	6.15	1.67		58
March .....			3.72	2.45	2.76	3.24	2.95	7.68	3.71	2.10		242
April .....			3.10	4.12	2.63	2.76	2.25	4.55	1.48	1.71		305
May .....			2.55	5.59	6.81	5.50	4.62	1.28	1.44	3.96		826
June .....			4.62	2.00	3.65	1.15	3.18	6.10	7.71	2.25		248
July .....			5.68	6.55	5.90	2.80	4.44	5.64	3.30	4.60		701
August .....			6.61	6.85	10.04	5.24	5.30	7.89	8.72	6.57		883
September...			6.31	6.53	5.64	6.31	5.33	7.55	1.48	2.95		494
October .....			1.80	8.44	6.24	6.65	4.24	5.74	7.38	8.96		833
November...			5.50	8.05	3.45	4.72	8.55	6.05	8.61	10.33		848
December...			7.40	6.82	7.03	3.84	3.00	1.59	4.19	9.11		569
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				

IX/28. Inspected by Mr. Colson. 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	Parish Church.	Distance from gauge	Direction
1922	55° 38' 22"	2° 28' 11"	Turton Edgworth	2 1/2 mi	ESE	Belmont	1 1/2 mi	W

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

County of South LancashireObserver Bolton Corp'n W.W.River Basin Mersey - Irwell 3Type of Gauge SnowdonAnnual Average 52.4 in. based on 12 years obs. un-weighted. Period of average 1881-1915 Ref. 208 255

741918/27.

Diameter	5.											
Height	1.0.											
Altitude	770.											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	Notes
January	9.13	6.45	3.29	5.00	4.18	5.04	4.24	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	5.30	3.4	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	.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	4.96	8.40	1.14	5.10	9.23	6.10	2.09	3.34	1.07	5.64	47.67	
October	3.59	9.07	5.70	8.16	10.64	5.86	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	
	M	M	M	M	M	M	M	M	M	M		

51940 Jan. estd. 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
1931			Turton	2 1/2 m	ESE	Belmont	1 1/2 m	W.



Station No. T.C. 2875RAINFALL at Bolton W.D. (Longworth)

41

County of South Lancashire Observer Bolton Camp W.D.River Basin Mersey-Trent - 3Type of Gauge StandardAnnual Average 52.4 in. based on 12 years obs. un-weighted. Period of average 1881-1913 Ref. SFile No. 74918/27

Diameter	5"			562	319						
Height	1'0"				1						
Altitude	770'				41						
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means Totals
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	46.36
March	4.22	4.35	1.44	1.12	1.98	1.21	7.86	2.32	2.95	3.38	30.83
April	2.21	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	5.60	3.89	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	7.33	8.59	55.90
December	3.69	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
		M	M	M	M	M	M	M	M	M	

Dec. 1947. Engineer states gauge sound

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			Bolton & Edgworth	2 1/2 m.	E.S.E.	Belmont	1 1/2 m.	W.

BRITISH RAINFALL ORGANIZATION

Station No. 2875

7536

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RAINFALL at Bolton M.W. (Longworth)

County of Lancashire

Observer Bolton Hydro M.W.

Operation Waterworks

River Basin Mersey-Swale - 3

Type of Gauge London 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. 741915/27

Diameter ...	5"			562	319						
Height ...	1' 0"				1						
Altitude ...	770'				51						
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means Totals
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	5.58	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	14.97	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	6.42	5.21	6.93	5.30	10.51	6.28	70.51
TOTALS ...	60.59 M	53.61 M	48.67 M	76.39 M	44.89 M	58.04 M	64.96 M	60.43 M	46.17 M	63.25 M	577.02

Ins. 7.10.53. G. sand but diaphragm of inner can missing. Good exposure with slight slope to SE.  
Diaphragm of inner can replaced 5/11/53.

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference 5692161

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge.
1951			Luton & Edgworth	2 1/2 m.	E. S. E.	Belmont	1 1/2 m. W.

Summary of Earlier Records from 10-year Sheets :

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
		1920 A 20, 21	✓ —	✓ —	