

RAINFALL at Balton W.D., Kulton PastureCounty of S. Down Observer J. K. Hughes, Esq. D.O.River Basin Upsey Lough 3, 1930, J.P. Amworth Esq., C.E.

Rain Gauge, by _____

Diameter ...							5				
Height							1.0				
Altitude ...							1130				
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930. Means.
January ...							5.96	4.66	12.00	2.97	6.44
February ...							5.52	2.67	4.80	1.37	.54
March							2.79	6.27	3.59	2.04	3.45
April							2.13	3.85	1.45	1.87	3.19
May							3.18	1.81	1.40	3.65	2.55
June							3.00	5.63	6.07	2.17	3.50
July							4.28	4.92	2.96	4.70	7.41
August							4.56	7.55	8.63	6.59	9.61
September...							5.40	7.67	1.45	2.53	4.62
October							3.80	4.91	7.21	8.27	7.68
November...							8.16	5.86	7.44	9.03	7.30
December...							2.23	1.65	3.63	8.16	5.83
TOTALS...			53.38	65.64	57.90	48.25	51.01	57.45	60.63	52.88	62.02

IX 128. Inspected by Mr Colson see grass field
 at over exposed on tree. 1922/25 copied from 1741918/27
 1929. Overexposed from 11/129 Standard line well marked on that date.

Rejected from Survey. 5' low.

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
1926	53° 40'	2° 30'						

RAINFALL at Bolton W.W. (Hulton Pasture)*County of South LancashireObserver Bolton Corpn. W.W.River Basin Mersey-Trawell-3Type of Gauge SnowdonAnnual Average 42.7 in. based on 4 years obs. ~~un~~-weighted. Period of average 1881-1915 Ref. S.

74/9/8/27.

Diameter	5.											
Height	1.0.											
Altitude	1130.											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	
January	6.76	5.53	3.43	4.27	3.50	5.91	3.89	6.45	6.63	(3.70)		
February	4.83	.20	4.39	.49	6.14	3.29	6.35	1.99	5.19	(3.60)		
March	.73	3.78	3.70	3.10	1.66	3.76	2.46	2.23	2.68	3.67		
April	4.19	3.97	2.52	3.44	4.23	1.38	4.97	.79	3.30	3.25		
May	2.81	5.19	2.79	4.49	1.76	1.73	2.61	5.57	1.96	.93		
June	7.14	1.17	3.15	2.60	4.15	5.14	2.50	5.57	4.40	1.15		
July	5.08	5.67	3.79	2.40	2.22	6.31	2.78	6.17	8.68	7.05		
August	6.45	1.74	3.61	6.78	2.06	3.36	3.48	4.29	3.35	3.43		
September	5.17	7.13	1.12	4.47	8.45	5.41	2.20	3.59	1.88	5.33		
October	3.19	8.96	5.24	7.02	9.62	5.48	2.97	9.45	3.16	5.11		
November	9.63	4.01	3.06	2.93	5.87	7.35	2.41	7.05	8.35	8.61		
December	2.94	2.36	.82	8.46	5.17	5.14	4.17	5.71	3.37	6.32		
TOTALS	58.92	49.71	37.62	50.46	54.83	54.26	40.79	57.86	52.95	(52.15)		

* Turf wall round gauge (B.R.) from Jan 1929 pair to which g. was over-exposed.
1940 Jan. + Feb. 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	Parish Church	Distance from gauge	Direction
			Spring Vale	2½m	N.E.	Belmont.	1½m	S.

Station No. T.F. 2883RAINFALL at Botton W.D. (Hullon Pasture)

41

County of South LancashireObserver Botton Crompton W.W.River Basin Mersey - IrwellType of Gauge StandardAnnual Average 49.7 in. based on 4 years obs. unweighted. Period of average 1881-1915 Ref. SFile No. 741916/27

Diameter	5"										
Height	1'0"										
Altitude	1130'										
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	1.65	5.31	6.89	7.43	4.84	5.63		11.54	3.91	4.68	
February	5.54	2.27	4.01	2.93	7.19	7.84		3.39	3.42	6.53	
March	3.99	3.79	1.44	1.26	1.93	1.24		2.45	2.73	3.22	
April	2.24	2.58	3.93	2.81	2.76	1.81	1.05	2.68	4.64	3.92	
May	3.03	4.57	3.82	4.73	4.14	1.78		2.07	4.44	2.32	
June	.73	1.03	4.92	4.48	5.60	4.45		7.40	1.54	3.51	
July	2.66	6.89	3.98	5.13	3.81	5.08		3.64	3.23	5.91	
August	8.03	6.66	9.58	4.15	3.98	9.57		7.19	3.33	8.57	
September	1.61	4.12	6.61	8.73	3.21	8.97		3.39	3.08	10.86	
October	5.39	9.26	5.09	7.08	7.95	1.96		4.48	5.69	4.57	
November	3.66	1.43	5.58	8.26	.98	8.93		2.83	7.79	8.48	
December	3.61	5.31	4.06	5.37	4.47	5.41		5.66	7.98	4.68	
TOTALS	62.34	53.28	59.91	62.42	50.86	62.67		57.27	57.78	67.25	

S Turf Wall round gauge. 1941. Jan. est'd. by observer.

17.2.44. Original gauge found and but turf wall to be repaired. Check gauge to be found all lower level (2.83/1)

Dec. 1947. Original gauge found.

40004

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			Springdale	2 1/2 m.	N.E.	Belmont	1 1/2 m.	S.

BRITISH RAINFALL ORGANIZATION

RAINFALL at: Bolton W.W. (Hulton Pasture) No. 2 (check)

41

County of S. Lancashire Observer Bolton Corpn. W.W.River Basin Mossy - Inwell - 3Type of Gauge Snowdon

Annual Average.....in. based on.....years obs. un-weighted. Period of average.....Ref.....

File No. 741318/27

Diameter				5"							
Height				1' 0"							
Altitude				1030'							
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January					4.77	5.49	4.41				
February					6.91	7.72	(1.08)				
March					1.89	1.19	7.83				
April					2.72	1.73	3.69				
May					4.31	1.31	3.19				
June				#	5.55	4.27	3.51				
July				5.16	3.78	4.89	4.31				
August				4.02	3.82	9.04	.21				
September				8.61	3.11	8.76	5.03				
October				6.37	7.83	1.89	1.44				
November				8.82	.96	8.87	7.09				
December				5.34	4.53	5.36	4.91				
TOTALS				inc	50.18	60.52	46.70				
					n.p.	n.p.	n.p.				

1945 n.p. check.

1946 n.p. check.

1947 n.p. check. Feb part exist for snow

1948 see 2883

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.
1944			Spring Vale	2 1/2 m.	NE	Belmont	1 1/2 m.	S

Station No. 2883 T.F. 36RAINFALL at 5 Bolton W. W. (Bolton Pasture) No. 1 51County of L. Lancashire Observer Bolton W. W.River Basin Murray & Swell 3Type of Gauge 2 1/2 in. BradfordAnnual Average 49.7 in. based on 4 years obs. un-weighted. Period of average 1881-1915 Ref. 5" " 55.19 " " 24 " " within 1932-57. " " 1916-50 File No. 741918/37

Diameter ...	5"			562	255							
Height ...	1' 0"				1							
Altitude ...	1096'				51							
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means	
January ...	6.94	5.97	2.74	6.39	3.04	6.89	11.24	4.78	2.94	7.32		
February ...	4.41	2.31	1.66	4.77	3.01	1.11	3.45	(4.08)	1.11	3.63		
March ...	6.04	2.86	2.74	3.77	2.49	2.16	11.94	2.12	2.68	1.48		
April ...	3.19	4.53	4.05	1.24	4.03	3.80	.85	1.88	3.60	2.60		
May ...	3.22	3.04	3.32	3.49	5.15	2.44	2.49	5.22	1.65	2.31		
June ...	1.69	5.62	3.24	5.42	4.81	3.22	2.46	5.45	2.57	1.51		
July ...	5.06	3.98	6.11	9.97	1.16	7.27	8.77	4.98	6.72	10.39		
August ...	6.11	5.82	5.84	3.49	1.72	15.08	8.75	6.64	.60	6.19		
September ...	3.97	6.19	6.17	7.04	5.91	5.23	10.87	5.86	.49	3.62		
October ...	1.19	6.03	2.83	10.97	3.28	2.51	8.24	5.59	5.43	5.14		
November ...	10.73	3.44	7.55	9.54	3.72	2.06	2.41	2.36	5.67	7.56		
December ...	11.63	5.18	2.60	7.98	6.38	4.80	6.48	5.29	8.90	4.90		
TOTALS ...	64.18	54.97	48.83	79.07	144.70	57.27	63.95	59.25	42.36	56.65		
				M.	M.	M.	M.	M.	np	np		

Inc 6.10.53. G. & W. well sound. Exposed in all directions except east.

1958 Feb print out 4034

1959: np low

1960 np low

20004

Position of Station on Ordnance One-Inch map: No. of Map..... National Grid Reference SD672183

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge.	Direction from gauge.
1951			Spring Vale	25 m.	N.E.	Belmont	15 m.	S.

Summary of Earlier Records from 10-year Sheets:

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
		c 1922 A 22-25	✓	41-46, 48-50	

BOLTON W.W.
RAINFALL at *(HULTON PASTURE)* Station No. *2883/1 TF-36* **51**
 County of *S. LANCASHIRE* Observer *BOLTON CORPN W.W.*
Corporate Works
 River Basin *MERSEY-IRWELL-3*
 Type of Gauge.....

Annual Average..... in, based on..... years obs. un-weighted. Period of average..... Ref.....

File No. *741918/27*

Diameter ...			5"								
Height ...			1' 0"								
Altitude ...			115'								
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...				6.11							
February ...				4.69							
March ...				3.74							
April ...				1.13							
May ...				3.47							
June ...				5.36							
July ...				9.83							
August ...				8.41							
September ...				6.98							
October ...				10.84							
November ...			#	#							
December ...			2.34								
TOTALS ...			INC NP	NP inc.							

1953 Surrounding area gauge. NP incomplete

Position of Station on Ordnance One-Inch map : No. of Map..... National Grid Reference *SD(39)622183*

Date.	Lat. N.	Long. W.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge.	Direction from gauge.
1953	53°39'35"	2°24'56"	Spring Vale	2 1/2 m.	NE	Belmont	1 1/2 m.	S

Summary of Earlier Records from 10-year Sheets :

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