

RAINFALL AT *Chellman's) Blackstone Edge*
Lancashire

Observer *C. R. Dykes Esq.* Rochdale Canal Compy.

Rain { By.....
Gauge { Diameter..... 10.....in. Height above Ground, 1.....ft. 3.....in. Above Mean Sea Level 700? ft.

YEAR.....	1866	1867	1868	1869	MEANS.
January.....	5.80	4.70	2.50	3.20	
February.....	7.10	5.30	5.10	7.30	
March.....	2.60	2.30	4.30	2.90	
April.....	1.30	4.80	3.20	2.20	
May	1.50	2.60	1.40	5.00	
June	5.00	3.30	1.00	1.20	
July	4.70	6.50	1.40	2.00	
August	5.30	2.00	4.20	3.60	
September.....	5.60	3.90	3.50	5.90	
October	3.20	3.10	5.70	2.80	
November.....	10.60	1.00	4.10	3.80	
December.....	4.60	4.80	6.20	4.90	
TOTALS	57.30	44.30	41.60	43.80	

RAINFALL AT

(Chelburne) Blackstone Edge

70

Lat.

Long.

County of Lancashire

Rain Gauge, by

Observer C. R. Dykes Esq.

Rochdale Canal Company

Diameter	10										
Height	1.3										
Altitude	800										
Year	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January	4.60	2.20	6.00	4.80	5.00	5.60	2.60	4.00	5.00	1.50	4.430
February ...	1.70	4.50	4.20	.70	2.10	1.40	5.70	5.90	1.90	3.70	3.180
March.....	2.90	1.50	4.30	2.40	5.10	1.00	5.20	4.10	2.90	2.20	3.190
April	1.50	4.00	4.00	.30	1.80	1.30	3.10	2.70	2.00	2.40	2.310
May	2.00	1.70	2.60	2.90	1.80	2.70	.80	3.80	5.20	2.10	2.560
June	2.50	3.70	4.00	1.90	1.40	3.80	3.60	2.60	3.10	5.40	3.530
July	1.10	5.30	4.10	4.90	2.10	5.90	3.40	5.00	'50	6.50	3.880
August	2.50	1.50	4.00	5.20	6.30	3.40	5.10	4.30	6.30	6.00	4.460
September ..	3.40	4.40	7.40	3.00	4.20	6.00	4.80	4.50	4.90	3.40	4.600
October ...	11.60	5.30	6.80	6.90	5.60	5.60	3.60	4.30	4.40	3.30	6.040
November ..	4.20	1.50	6.00	4.00	4.30	6.20	4.30	4.20	2.50	1.80	4.200
December ..	2.00	3.30	3.80	1.60	3.60	1.90	8.60	5.10	2.40	3.20	3.550
TOTALS ..	40.00	38.90	60.20	38.90	43.30	44.80	50.80	59.50	41.10	41.80	45.950

RAINFALL AT Blackstone Edge, Cumbria

Lat. _____

Lon. _____

County of Lancashire

Rain Gauge, by _____

Observer C.R. Dykes, Esq.

Is well 3

Diameter	10										
Height	1.3										
Altitude	800										
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January	1.00	.80	5.50	7.70	6.90	2.90	6.70	2.30	1.90	3.40	3.910
February	3.10	6.40	2.70	2.80	4.30	4.50	1.20	1.50	.70	2.30	2.950
March	3.70	5.30	6.00	.80	2.20	2.60	3.50	2.00	3.50	2.60	3.220
April	3.30	1.50	4.70	2.40	2.10	2.80	3.70	1.40	2.40	3.40	2.770
May	2.70	5.30	2.40	.90	2.00	2.30	5.00	1.90	.70	2.30	2.550
June	3.10	1.90	7.00	4.70	1.30	4.90	2.30	.50	2.80	.40	2.890
July	4.00	3.60	5.40	2.20	4.90	1.60	5.40	1.90	5.60	4.10	3.890
August	4.70	5.70	3.40	2.20	1.90	1.50	1.90	1.10	4.30	6.70	3.340
September	3.80	1.60	2.10	7.40	2.20	7.00	(4.50)	5.70	1.50	2.10	3.790
October	4.00	5.20	3.80	5.90	2.50	8.20	(10.20) (5.70)	1.90	1.80	4.00	4.300
November	6.10	4.70	6.80	5.50	1.20	3.80	3.00	2.50	7.90	2.00	4.350
December	6.70	5.60	3.70	4.00	6.00	2.20	6.80	4.20	3.10	2.80	4.510
TOTALS	46.20	47.80	53.50	46.50	37.50	44.30	49.70	26.90	36.20	36.10	42.470

1880. Littleborough, 2½ miles S.W.

Annual values rejected from survey (10° low)

RAINFALL AT Blackstone Edge Chelburne

Lat.

Long.

County of Lancashire

Rain Gauge, by

Observer Rochdale Canal Coy
R. Dyer Esq

Drwell 3

Diameter	10										
Height	1.3										
Altitude	800										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	5.30	3.30	2.20	.70	3.60	3.00	1.80	1.40	4.30	6.60	3.220
February80	.40	2.70	5.10	6.10	.20	1.00	3.30	3.60	1.30	2.450
March	3.90	2.10	1.00	1.50	4.20	3.50	5.40	5.10	2.50	2.00	3.120
April	1.40	2.20	1.50	.70	1.40	2.20	1.50	3.00	2.30	3.80	2.000
May	2.70	3.20	3.50	2.30	2.40	.50	4.40	1.80	2.80	2.80	2.240
June	3.60	1.20	3.20	1.90	2.90	3.60	2.20	4.00	2.90	1.60	2.410
July	3.10	2.60	2.60	3.30	2.60	4.90	3.40	1.90	1.00	2.80	2.120
August	4.90	7.60	4.70	3.00	4.20	3.90	2.60	3.70	6.10	1.10	4.180
September	1.40	3.40	3.70	4.30	.10	1.70	7.60	3.90	.80	6.60	3.350
October	4.10	5.80	6.30	4.00	4.50	3.90	4.80	2.50	4.60	3.60	4.110
November	6.10	3.60	3.30	3.20	2.80	3.00	1.60	4.10	2.50	1.10	3.120
December70	8.40	3.10	4.40	4.80	4.10	5.70	6.50	5.20	3.40	4.630
TOTALS	38.00	43.80	37.80	34.40	39.60	34.50	38.00	41.20	38.60	36.70	38.260

1892 Littleborough Church 2 1/4 Miles SW 10/10
 Farmhouse & Barn 20ft high 900ft NE

Annual values rejected from Survey (10 long)

2902

RAINFALL AT Blackstone Edge, Chelburn

Lat.

Lon.

County of Lancashire South

Rain Gauge, by

Observer. Rochdale Canal Co.

Inwell 3

C.P. Dykes Esq

Diameter ..	10								8		
Height	1.3							2.0			
Altitude ..	800										
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	6.30	2.70	3.30	4.30	3.40	1.90	5.10	2.00	4.26	2.60	3.586
February ..	3.30	1.00	1.50	3.50	3.80	2.10	2.80	2.08	2.76	2.25	2.509
March70	3.20	1.80	5.40	2.20	3.20	3.40	3.86	3.02	2.60	2.938
April.....	2.80	2.60	2.20	1.60	2.80	2.80	1.30	2.13	2.04	3.87	2.864
May	1.80	1.90	2.50	3.30	1.90	.70	2.10	3.74	2.54	2.13	2.264
June	4.00	1.50	1.30	1.10	1.60	2.50	2.10	7.80	2.18	2.57	2.665
July	2.60	1.90	2.50	5.20	1.80	2.90	2.20	2.95	4.30	5.82	3.217
August	5.60	2.30	3.00	5.10	4.80	6.00	4.20	4.03	3.65	3.13	4.181
September..	1.50	.70	2.10	5.70	1.00	1.80	.90	1.17	3.86	2.94	2.167
October....	5.90	3.10	4.30	8.50	2.40	2.70	6.40	4.98	2.28	5.62	4.618
November..	3.90	6.00	2.50	2.80	2.80	3.60	4.00	3.45	2.56	1.20	3.281
December ..	5.00	5.30	3.70	2.20	2.60	.80	3.00	4.57	2.45	7.15	3.677
TOTALS ..	42.90	32.20	30.70	48.70	31.10	31.00	37.50	42.79	35.90	41.88	37.146 ✓

H.W.D.

Annual average rejected from Survey (10" low)

RAINFALL at Littleborough Chelburn

County of South Lancashire

Observer Rochdale Canal Co.

River Basin Mersey. Inwell 3

W. A. M. French Esq.

Rain Gauge, by

Diameter ...	8										
Height	20										
Altitude ...	800										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	7.68	2.18		3.62	3.25	6.17	3.72		2.75		
February ...	1.96	5.09	6.33	1.66	3.39	4.63		7.53	7.38	7.29	
March92	2.23	5.18	4.35	4.82				1.63	9.82	
April	3.68	2.40	1.11	4.08	1.31	2.90	2.70		1.21	1.85	
May	2.57	1.57	2.82	3.42	2.18	3.80	2.57	2.13	1.82	1.78	
June	3.45	2.54	6.00	3.32	2.13	.52	2.62	2.10	1.18	1.60	
July	3.75	.95	2.42	1.00	3.46	4.65	2.33	2.14	4.98	1.80	
August	5.63	2.53	7.38	2.23	3.45	4.37	3.28	7.20	3.00	3.93	
September ..	.34	3.81	2.66	1.46	3.07	1.23	2.33	2.64	11.48	1.97	
October ...	2.81	0.16	5.54	2.20	2.54	1.61	7.48	7.55	3.42	2.10	
November ...	5.57	4.67	2.90	5.08	5.82		3.78	4.16	2.32	3.41	
December ...	4.26	5.91	5.94	2.62	6.49	10.04	3.46	2.15	9.63	6.51	
TOTALS ...	42.62	36.99	48.29	35.04	41.91	39.92	41.80	37.45	50.71	34.27	

1919 Gauge frozen up at end of Jan + Feb.

Rejected from Survey: 10° low.

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.

RAINFALL at Littleborough Chelburn

Upper Chelburn 1924

County of S. Lancashire

Observer Rochdale Canal Co.

River Basin Mersey-Truel 3

M.W. Grath Esq. M.B.E.

Surveyor Oldham W.M. 1924

C. J. Babby.

M.O. Rain Gauge, by N+Z
found want 2629

some water in winter can but no obvious leak Z. Glass correct - 22

Diameter ...	8				8						
Height	20				10						
Altitude ...	800				725						
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	M.EAN.
January ...	4.67	7.20	3.36		3.74	5.28	5.98	4.82	13.34	2.76	7.83
February ...	3.70	7.3	5.14		2.16	8.12	4.15	2.07	6.50	9.14	1.05
March	3.14	4.08	3.08		1.96	1.94	2.63	5.43	3.72	1.52	3.86
April	5.84	1.43	3.18		2.32	3.73	1.73	3.94	1.16	1.45	3.90
May	5.60	2.25	1.25		5.86	5.45	5.02	1.97	1.95	3.82	2.36
June	2.62	19	2.89		2.83	15	2.76	4.46	4.47	1.86	2.76
July	8.97	2.33	4.55		4.56	2.16	3.74	3.11	2.14	2.63	7.03
August	2.30	6.68	5.65		7.16	5.08	5.12	9.37	3.21	6.31	8.18
September...	2.60	1.90	3.31		5.30	4.82	3.76	6.26	6.67	2.24	4.31
October	1.73	3.05	1.10		6.47	6.08	4.93	5.25	6.15	6.144	7.20
November...	2.73	2.83	3.15		3.30	3.32	7.07	6.15	8.61	9.19	6.63
December...	3.82	7.23	4.69		5.65	4.74	2.30	2.04	3.78	9.90	4.84
TOTALS...	47.72	39.80	41.35	N.R.	51.31	50.87	49.19	54.87	60.76	49.06	59.04

Inspected C.S. b. 7.22 - S. in 4 ft. circular iron rail 4 ft. distant.

S. on steep hill side falling 50 ft. on S. & rising on N. Dry stone walls on S & E but no effective shelter. Valley runs E & W on S of gauge.

Poor exposure but not so bad as summit.

1926. Reservoir Embankment 35 ft high, 1½ chs. E.

Rejected for survey 10' low.

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
1924	53° 39' 46"	2° 4' 13"	Littleborough	1½ mile SSW	SSW	Littleborough	1½ mile SSW

RAINFALL at Littleborough (Chelburn)

County of Lancashire Observer Chas Batley C.E. (Engt.)

River Basin Mersey, Irwell, - 3. Oldham W.W.

Snowden Rain Gauge, by Casella.
M.O. (26)

Diameter ...					0.8						
Height					1.0						
Altitude ...					700						
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930. MEANS.
January					3.11	4.18	4.68	3.97	11.13	2.35	6.43
February					1.84	6.74	3.56	1.69	5.25	.74	.99
March					1.85	1.55	1.77	4.65	2.96	1.32	2.79
April					2.05	2.91	1.61	3.18	.98	1.29	3.64
May					5.39	4.82	4.63	1.79	1.85	3.11	2.04
June					2.46	.10	2.46	3.92	6.68	1.59	2.51
July					3.99	1.85	3.38	2.84	1.68	2.11	6.83
August					6.32	4.33	4.72	8.12	4.73	5.21	6.97
September...					4.54	4.06	3.48	5.55	.58	2.04	4.07
October.....					5.60	5.26	4.29	4.30	5.05	5.12	5.80
November...					2.78	3.10	5.97	5.47	6.51	7.00	5.28
December...					4.18	3.83	1.81	1.90	3.06	4.89	3.55
TOTALS...					44.14	42.73	42.36	47.38	50.16	39.30	50.40.

1924 House 25 ft high 12 rods to W

Rejected from Survey 10° low

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	Parish Church.	Distance from gauge	Direction
1924	53° 40'	2° 4' 31" W	Littleborough	1 3/4 m	S.S.W.	Littleborough	1 3/4 m	S.S.W.

RAINFALL at Littleborough (Uppr. Chilburn).

County of South Lancashire

Observer C. J. Batley Esq. C.E.

River Basin Mersey - Irwell - 3.

C. B. M. Field, Esq., (1926).

Type of Gauge M.O.

Annual Average 47.6 in. based on 9 years obs. un-weighted. Period of average 1881-1915

Ref. S

660607/26.

Diameter	8.										
Height	1.0.										
Altitude	725.										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Mean Total
January	6.28	6.41	3.50	4.21	2.31	4.71	5.04	6.48	6.39	2.75	48.08
February	6.64	4.45	5.29	4.46	6.90	3.06	6.75	2.65	5.88	2.46	40.54
March	4.42	2.96	4.20	4.00	1.94	3.08	2.76	1.42	3.51	3.56	27.85
April	4.37	4.85	1.97	2.94	4.02	1.73	2.94	7.7	2.53	3.21	29.33
May	3.05	5.41	2.21	3.64	1.12	1.43	2.52	4.31	1.59	2.14	21.42
June	6.60	1.09	3.38	2.67	5.02	4.47	3.67	5.52	4.01	.92	37.35
July	5.40	4.64	3.10	2.91	2.05	4.34	2.65	5.13	7.13	4.25	41.60
August	5.55	1.46	1.65	3.59	1.95	2.96	2.91	5.99	3.24	2.47	31.77
September	3.57	6.12	1.55	4.27	8.80	5.28	2.49	1.63	1.58	5.31	40.60
October	3.20	8.40	5.31	5.75	10.01	5.89	2.72	11.76	2.54	5.45	61.08
November	9.37	4.26	2.60	2.55	6.78	6.88	3.04	7.11	7.59	9.06	59.24
December	3.01	2.83	7.0	6.44	4.00	5.02	3.24	5.61	3.72	5.49	40.06
TOTALS	57.46	48.88	35.46	43.43	54.90	48.85	40.73	58.38	49.76	47.01	484.92
	D	D	D	D	D	D	D	D	D	D	D

Embankment 35' high 12 chains E.

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
1931			Littleborough	1½ m.	SSW	Littleborough	1½ m.	SSW.

RAINFALL at Littleborough (Chelburn)

County of South Lancashire

Observer C. J. Battley, Esq., C.E.

River Basin Mersey - Irwell - 3

E. B. Watfield, Esq. (1938)

Type of Gauge M.O.

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

Ref.

660607/26.

Diameter	8.										
Height	1.0.										
Altitude	700.										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	4.79	4.86	2.70	3.53	1.76	3.47	3.98	4.87	5.70	2.40	
February	5.21	4.4	4.25	3.38	5.41	2.70	5.84	1.91	4.70	2.25	
March	3.87	2.43	3.63	3.67	1.65	2.55	2.65	1.08	2.85	3.00	
April	4.05	3.70	1.61	2.75	3.54	1.51	2.53	1.54	2.15	2.65	
May	2.79	4.93	2.08	2.78	1.01	1.34	2.27	3.53	1.36	1.94	
June	6.04	5.89	3.01	2.39	4.63	3.95	3.04	4.35	3.35	5.84	
July	4.96	4.19	2.71	2.88	1.62	3.61	2.30	4.09	6.04	3.80	
August	4.84	1.34	1.44	3.01	1.54	2.51	2.53	4.96	3.17	1.87	
September	3.35	4.92	1.36	3.66	7.97	4.29	1.99	1.35	1.42	4.15	
October	2.71	7.00	4.76	4.38	7.98	4.52	2.45	8.46	2.22	4.21	
November	7.81	3.41	2.33	2.60	5.89	5.72	2.63	5.66	5.95	4.36	
December	2.18	2.27	.67	5.87	3.40	3.55	2.64	4.57	3.12	4.58	
TOTALS	48.80	40.35	30.55	37.30	46.40 ²	40.40	34.85	45.37	42.06 ³	39.14 ⁷	
	D.	D.	D.	D.	D.	D.	D.	D.	D.	D.	

House 25' high 15 chains W.

1931. In 1935 it was noted that an ant hill was some 5 inches below & a depression has occurred in subsoil area.

1940 Print with query. Low part estd. Turf well eroded Oct 1940

N.B. Rejected from Survey as 10' too low.

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
1931			Littleborough	13m	SSW	Littleborough	13m.	SSW.

Station No.

2903

RAINFALL at Littleborough (Upper Chetham) 41

County of South Lancashire Observer C. Brofield - Esq.

River Basin Mersey - Irwell - 3

Type of Gauge Th. O.

Annual Average 48.2 in. based on 30 years obs. un-weighted. Period of average 1881-1915

Ref. N.S.

File No. 660607/26

Diameter	8"		561	285							
Height	1' 0"			1							
Altitude	785'			41							
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means Total
January	1.78	5.88	6.90	7.67	5.04	6.03	3.64	11.15	2.98	3.61	54.68
February	5.92	1.73	4.27	3.01	6.46	7.44	1.76	4.01	4.29	6.32	45.21
March	15.02	3.92	1.77	7.75	1.56	1.74	4.64	2.19	2.03	2.84	28.46
April	3.64	2.33	3.04	3.48	3.13	1.82	5.48	2.48	5.13	4.63	35.16
May	2.45	4.32	3.30	4.36	4.94	1.83	2.21	1.50	4.33	2.38	31.68
June	1.29	1.03	4.19	4.04	4.95	4.13	3.56	5.81	.90	2.59	32.47
July	1.79	4.63	3.21	4.78	2.98	4.78	3.31	2.11	2.38	4.78	34.75
August	7.18	5.21	7.73	4.28	3.39	6.84	4.44	5.31	4.97	6.50	51.85
September	7.3	2.56	6.17	6.70	3.36	8.33	3.38	3.58	1.33	8.89	45.03
October	5.62	7.33	3.47	5.59	7.24	1.09	1.40	3.26	5.90	3.04	43.94
November	3.41	1.23	4.22	9.66	7.0	8.97	7.62	2.56	7.17	6.55	52.09
December	2.98	4.81	2.76	5.93	3.67	4.44	5.14	4.68	8.86	3.25	46.52
TOTALS	41.79	44.98	51.03	60.25	47.42	57.44	44.64	48.64	50.27	55.38	501.84

1941 Reservoir Embankment 35' height 1½ ch. E.

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
1941			Littleborough	1½ m.	S.S.W.	Littleborough	1½ m. S.S.W.

Station No. 2904

RAINFALL at Littleborough (Chetham)

41

County of South Lancashire Observer C. Busfield Esq.

River Basin Mersey - Goyt - 3

Type of Gauge M.O.

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

File No. 660007/26

Diameter	8"		561	287							
Height	1' 0"				1						
Altitude	700'				41						
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	1.64	5.06	6.91	7.52	4.98	5.86	3.41	10.68	2.87	3.61	
February	6.25	1.62	4.29	2.90	6.61	7.27	1.21	3.90	4.04	6.08	
March	4.61	3.67	1.77	7.4	1.53	1.74	6.14	2.16	1.94	2.83	
April	3.54	1.98	2.97	3.33	3.07	1.76	5.08	2.48	5.02	4.59	
May	2.30	3.31	3.31	4.17	4.90	1.69	2.14	1.44	4.11	2.31	
June	1.08	1.07	4.25	3.33	4.89	3.95	3.34	5.85	.86	2.57	
July	1.68	4.56	3.36	4.62	3.01	4.64	3.29	2.04	2.31	4.64	
August	6.20	5.21	7.77	4.01	3.20	6.65	.41	5.14	4.53	6.18	
September	6.4	2.58	6.20	6.62	3.16	8.06	3.34	3.56	1.23	8.61	
October	4.64	7.48	3.45	5.57	7.15	.97	1.21	3.22	5.61	2.97	
November	2.96	1.17	4.22	9.54	.69	8.17	7.76	2.47	6.88	6.44	
December	2.41	4.61	2.73	5.76	3.46	4.17	4.98	4.41	8.65	3.20	
TOTALS	36.98	42.32	51.23	58.71	46.65	54.93	42.37	47.35	48.07	54.03	
	n.p. n.p. n.p.		D D D		D D D		D D		D D		

1941. n.p. low. House 25' high 1/2 ch. W.

242 Gauge moved on 18th June 350' S. House 25' high 1/2 ch. W. Embankment 40'
high 1/2 ch. N.W.
n.p. low. (Readings satisfactory since June).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
1941			Littleborough	1 3/4 m.	S. S.W.	Littleborough	1 3/4 m. S.S.W.

BRITISH RAINFALL ORGANIZATION

Station No. 2903

51

RAINFALL at Littleborough (Upper Chelburn)

County of Lancashire

Observer G. Busfield Page

River Basin Mersey-Truelwell-3

Type of Gauge M.D.

Annual Average 47.5 in. based on 9 years obs. un-weighted. Period of average 1881-1915 Ref. S
 " " 48.2 " 30 " 1916-50 File No. 660607/26
 " " 49.87 " 31 " 1924-57 "

Diameter	8"		561	285							
Height	1' 0"				1						
Altitude	425'				51						
Year	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means Total
January	4.94	5.77	1.93	4.53	3.19	6.69	5.18	5.46	4.20	6.47	48.36
February	4.24	1.53	2.37	3.69	2.59	1.44	3.60	6.58	1.76	3.03	29.83
March	5.82	2.98	2.51	2.73	2.37	1.96	4.27	2.47	2.11	1.80	29.02
April	3.07	3.53	3.84	.86	2.38	3.99	.46	1.74	4.06	3.13	27.06
May	2.88	2.12	3.07	3.05	4.24	1.87	1.84	4.78	2.45	2.10	28.45
June	1.55	3.68	2.55	3.46	3.30	3.43	2.79	5.44	2.69	2.05	30.94
July	4.95	2.33	7.21	6.27	1.06	7.71	5.40	4.55	3.61	6.85	49.94
August	6.00	5.95	5.81	7.27	1.36	11.95	6.77	7.01	.40	4.93	57.35
September	3.17	4.25	3.63	6.22	3.34	4.17	5.82	5.65	.43	3.42	40.10
October	1.42	6.57	2.58	9.70	3.33	3.61	8.09	5.78	5.16	5.59	51.83
November	9.45	3.06	5.88	7.29	2.42	1.93	3.36	2.13	5.25	8.29	49.96
December	9.07	4.66	2.22	8.23	6.94	4.65	5.97	5.54	8.98	5.51	61.87
TOTALS	56.86	46.33	43.60	63.40	36.57	53.40	53.55	57.13	40.10	53.17	504.11

1951 reservoir embankment 35' high at 33 yds E.

Position of Station on Ordnance One-Inch map : No. of Map National Grid Reference SD(24) 952 185

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Parish Church.	Distance from gauge.
1951			Littleboro	1.5 m SSW	Littleboro	1.5 m SSW

Summary of Earlier Records from 10-year Sheets :

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	✓	20-22, 24-30 D 26-30		✓	✓

Station No. 2904

51

RAINFALL at Littleborough (Chellaston)

County of S. Lancashire

Observer

C. Brafield Esq.

River Basin Mersey - Irwell - 3

Type of Gauge. Met.

Annual Average 46.6 in. based on 8 years obs. un-weighted. Period of average 1881 - 1915
 " 49.69 " " 44 " within 1948-51. Ref. 1.W.5
 " 1916-50 File No. 660487/26

Diameter ...	8"		561	287						
Height ...	11' 0"				1					
Altitude ...	700				51					
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	Means
January	4.87	5.71	1.95	4.50	3.48	6.90	5.24	5.08	4.14	6.39
February	4.20	1.55	2.37	3.90	2.66	1.49	3.57	6.48	.75	2.95
March	5.60	2.95	2.49	2.99	2.29	1.99	4.22	2.41	2.04	1.74
April	3.09	3.51	3.75	.93	2.50	3.95	4.44	1.68	3.94	3.30
May	2.76	2.07	3.16	3.12	4.50	1.87	1.84	4.65	2.50	2.06
June	1.64	3.80	2.51	3.53	3.35	3.36	2.76	5.25	2.51	1.97
July	4.84	2.36	6.94	6.40	1.08	7.38	5.20	4.57	3.50	6.98
August	5.94	6.05	6.02	7.45	1.16	12.07	6.66	6.91	.40	5.01
September	3.16	4.24	3.63	6.04	3.36	4.19	5.79	5.51	.43	3.33
October	1.41	6.47	2.54	9.68	3.25	3.60	7.96	5.55	5.26	5.73
November	9.71	3.06	6.02	7.46	2.33	1.97	3.24	2.05	5.25	8.46
December	8.99	4.70	2.27	8.33	6.90	4.64	5.94	5.34	8.66	5.57
TOTALS ...	56.21	46.47	43.65	64.63	36.86	53.41	52.86	55.68	39.38	53.49
	D	D	D	D	D	D	D	D	D	D

1951 Embankment 10' high at 33 yds N.W.

Position of Station on Ordnance One-Inch map : No. of Map National Grid Reference SD(34) 949/88

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge
1951			Littleboro'	1 1/4 m	S.S.W.	Littleboro'	N 1/4 m. E.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 1924		V		✓ n.p. 41, 42			
				D 25 - 30		V		D 43 - 47, 49, 50			