

RAINFALL AT

Littleborough

Windy Banks

Rochdale

Lat.

Long.

County of Lancashire

Rain Gauge, by

Observer C.R. Dykes Esq.

Rochdale Canal Comp.

Diameter....	10									
Height	1.6									
Altitude	500?									
Year	1870	1871	1872	1873	1874	1875	1876	1877	1878	MEANS.
January	4.10	2.00	5.50	4.10	4.10	4.30	2.30	5.50	4.50	1.50 3.99
February ...	2.00	3.00	4.00	'80	1.70	1.20	4.80	5.00	2.00	3.20 2.74
March	3.60	1.10	4.00	2.90	3.70	'90	3.70	3.40	1.40	2.00 2.67
April	1.10	4.00	3.60	'30	1.70	1.40	2.30	2.10	1.80	1.70 2.00
May	2.30	1.90	2.40	2.40	1.70	2.30	1.50	3.10	4.30	1.70 2.34
June	2.10	3.80	6.40	1.70	'90	4.00	3.50	2.50	3.00	5.50 3.34
July	1.00	4.80	4.40	4.80	2.50	5.40	2.80	4.90	'40	5.50 3.65
August	2.00	1.30	3.70	4.60	5.00	3.10	4.10	3.90	5.40	4.90 3.80
September ..	3.80	5.00	6.00	2.40	3.90	5.20	3.90	4.60	4.30	3.00 4.21
October ...	10.30	5.30	5.50	5.80	5.10	4.80	3.40	5.20	4.00	2.00 5.14
November ..	4.10	1.40	5.40	3.50	3.10	5.40	3.80	5.80	3.00	1.60 3.71
December ..	2.20	2.60	3.30	1.20	3.40	1.80	4.80	5.20	2.30	2.80 3.26
TOTALS ..	38.60	36.20	54.20	34.50	36.80	39.80	43.70	51.20	36.40	35.40 40.68

Ninety
Bank

RAINFALL AT Rochdale, Littleborough

Lat. _____ Lon. _____ County of Lancashire

Rain Gauge, by _____ Observer C. R. Dykes, Esq.

Hewell 3

Diameter	10										
Height	1.6										
Altitude	600										
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January90	.50	4.30	5.20	5.40	2.60	5.20	2.10	1.20	1.90	2.950
February	2.60	6.00	2.90	2.10	3.20	4.70	80	1.00	.50	2.30	2.550
March	2.90	3.80	3.80	.80	1.90	1.90	3.10	1.70	2.20	2.30	2.440
April	2.00	1.10	4.00	2.10	1.80	2.10	2.80	1.00	2.00	2.00	2.090
May	2.20	3.40	2.90	.70	1.60	1.70	3.70	1.50	.40	1.30	1.940
June	4.50	1.50	5.80	4.40	.80	3.10	1.50	.60	1.70	.60	2.460
July	3.00	2.80	5.50	2.00	3.40	1.30	4.10	1.10	4.80	2.80	3.080
August	2.00	4.70	3.20	2.00	1.30	1.20	1.80	.90	3.30	4.30	2.490
September	3.90	2.20	1.90	4.30	2.20	5.10	(4.00)	3.80	1.10	1.40	2.990
October	5.50	2.80	3.90	4.70	2.00	6.10	7.860	1.30	1.40	1.70?	3.400?
November	4.70	3.90	4.90	3.40	.90	2.30	2.10	1.50	4.00	1.30	2.900
December	5.80	4.80	3.00	3.20	5.70	1.70	3.10	2.80	2.40	2.10	3.480
TOTALS	40.00	37.50	40.10	34.90	30.40	32.60	36.80	19.30	25.00	24.30?	32.690?

1880. Littleborough

 $\frac{1}{4}$ mile

S.W.

1889 October about 2 inches short. Mr. Dykes writes that he can find no ground for doubting the accuracy of the return.

Annual value rejected from survey (8° low).

RAINFALL AT Blackstone Edge Windy Bank

Lat.

Long.

County of Lancashire

Rain Gauge, by

Observer Rochdale Canal Co
CR Dyer Esq

Iwell 3

Diameter	10										
Height	1	6									
Altitude	600										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	3.60	3.50	3.10	.90	3.90	3.20	1.90	1.30	3.00	6.30	3.010
February40	.30	2.70	4.70	5.80	.20	1.20	3.20	3.00	2.00	2.350
March	1.90	1.90	1.20	1.30	4.20	3.80	6.00	5.30	2.20	2.00	2.980
April	2.30	2.30	1.20	.80	1.90	2.40	1.30	3.20	2.10	3.60	2.110
May	1.80	3.60	4.20	2.90	2.70	.60	.50	1.70	3.00	3.30	2.430
June	2.60	2.00	3.60	2.60	3.00	4.30	2.30	3.60	3.10	1.20	2.830
July	3.30	2.70	2.60	2.90	3.00	4.90	2.80	1.70	.60	2.50	2.700
August	5.20	7.70	4.90	3.30	4.80	4.60	2.40	3.90	5.50	1.00	4.930
September	1.30	3.40	4.20	4.40	.30	1.90	8.20	4.20	.70	7.40	3.600
October	3.70	6.50	7.20	3.60	4.90	4.20	4.40	2.30	4.60	3.10	4.440
November	6.00	4.00	3.30	3.10	3.00	3.70	1.60	4.80	2.00	1.10	2.260
December60	8.20	3.30	4.60	3.70	4.10	6.10	6.90	5.40	2.60	4.550
TOTALS	32.10	46.10	41.50	35.00	41.20	37.90	38.70	42.10	35.20	36.10	38.590

1892 Littleborough Ch 1/4 mile S.W 1880-
 Barn + Stable 20 ft high 120 ft S.E.

Annual value rejected from survey (8 low).

Littleborough
RAINFALL AT Blackstone Edge Windy Bank

Lat. Lon. County of Lancashire South
Rain Gauge, by Observer R. D. Dykes Esq.
Inwell 3 C.R. Dykes Esq.

Diameter ..	10							8		
Height	1.6							2.0		
Altitude ..	600			605						
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909
										MEANS.
January ..	5.40	2.20	4.10	4.60	3.50	1.60	5.20	2.16	3.67	2.64
February ..	3.60	.90	1.20	2.78	4.60	1.80	3.50	2.53	2.90	2.15
March90	2.90	2.20	4.70	2.30	3.40	3.30	3.40	3.17	2.83
April.....	2.00	2.20	2.50	1.60	2.80	2.50	1.40	2.21	2.40	3.38
May	1.60	1.60	3.00	3.20	1.80	.90	2.40	3.46	2.79	2.02
June	3.60	.	.70	1.80	1.70	2.40	1.40	7.27	2.12	1.98
July	2.40	.	2.10	3.60	1.60	3.00	3.10	2.87	4.67	5.26
August	5.60	.	2.40	4.90	4.40	4.60	4.30	4.14	3.78	3.61
September..	1.40	.	2.20	5.20	.70	2.40	1.20	1.14	4.22	2.82
October....	5.20	2.60	5.50	8.40	2.40	2.70	7.00	5.28	2.05	5.87
November ..	3.20	5.00	2.00	2.80	2.80	3.50	4.00	3.86	2.59	1.18
December ..	4.60	5.70	2.80	2.50	2.80	1.10	3.00	3.36	2.79	8.16
TOTALS ..	39.50		30.70	46.08	31.40	29.90	39.80	41.68	37.15	41.90

1901 June to September Gauge out of order

Annual average rejects from Survey (8° low)

RAINFALL at Littleborough Windy Bank

County of South Lancashire

Observer Rochdale Canal Co

C.R.D. by E.G.

River Basin Mersey. Drivell 3

W.A. McFarlane Esq

Rain Gauge, by _____

Diameter ...	8									
Height	20									
Altitude ...	605 ft									
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	MEANS.
January ...	5.26	2.23		3.84	2.74	6.20	3.38		3.09	4.25
February ...	4.46	4.99	7.20	1.50	3.14	4.89	4.60		5.88	1.60
March	1.02	2.26	5.73	4.57	4.63	1.48	3.46	8.53	1.62	6.81
April	3.12	2.27	.90	4.45	1.25	1.70	2.51		1.54	1.75
May	2.49	1.70	2.96	3.38	2.05	3.02	2.59	2.13	1.72	1.93
June	3.46	2.61	5.73	2.18	2.35	.68	2.61	1.86	1.11	1.90
July	4.31	.74	2.56	1.02	3.42	4.40	2.25	2.03	5.75	1.67
August	5.54	2.24	7.02	1.92	3.64	4.23	3.15	6.88	3.04	3.96
September ..	.31	4.18	2.05	1.61	2.87	1.28	2.28	2.39	11.48	1.67
October ...	2.60	3.14	5.11	2.15	2.50	1.70	7.62	7.35	3.78	3.15
November ...	5.98	4.95	2.97	4.46	5.58	2.67	4.15	3.26	2.31	3.68
December ...	4.82	6.26	5.22	2.75	6.68	7.39	3.33	2.67	8.03	7.34
TOTALS ...	43.37	37.57	47.75	33.83	40.85	39.74	41.93	37.10	49.35	38.70

Rejected from Survey. S. Law.

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

RAINFALL at Littleborough Windy Bank

County of S. Lancashire

Observer Pochdale Canal Co.

River Basin Mersey-Trawell 3

W. A. McGrath Esq. M.B.E.

W. A. McGrath Eng. M. B. E.

M.O.	Rain Gauge, by N+2										
1955	(no lease)		2628								
meter ...	8										
ight	2.0	1.0									
tude ...	605										
ear	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEANS.
uary ...	4.80	6.10	3.59								
ruary ...	4.48	74	4.71								
ch	3.55	3.54	2.87								
ll	5.38	1.64	3.10								
.....	5.23	2.48	99								
e	2.46	19	2.21								
y	9.17	1.17	4.07								
rust	2.34	5.83	5.68								
tember..	2.38	1.86	2.98								
ober....	1.83	3.09	1.12								
ember...	2.28	2.67	3.22								
ember...	3.96	6.35	5.54								
TOTALS...	47.88	35.66	40.08	#							

Inspected C3. 6-7-22. S. muscular iron soils 4 ft. high 4 ft. away. S. at top of quarry like cliff dropping nearly vertically on S.W., land falls generally on W. Wall 10 ft. high 35 ft. E. Boulders were exposed.

Rejected from survey 5' to

Position of Station on reduced Ordnance Survey Map, 2 miles to 1 inch Series } No. of Map.

Reference No.