

RAINFALL AT

Widby Banks
Littleborough *Rochdale*

Lat.

Long.

County of *Lancashire*

Rain Gauge, by

Observer

C. R. Dykes Esq.

Rochdale Canal Compt.

Diameter....	10											
Height	1.6											
Altitude	500?											
Year	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.	
January	4.10	2.00	5.50	4.10	4.10	4.30	2.30	5.50	4.50	1.50	3.79	
February. ..	2.00	3.00	4.00	.80	1.70	1.20	4.80	5.00	2.00	3.20	2.77	
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	1.30	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	7.80	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	

80

RAINFALL AT *Archaah, Littleborough*

Lat. _____

Lon. _____

County of *Lancashire*

Windy Bank

Rain Gauge, by _____

Observer *C. R. Dykes, Esq.*

Inwell 3

Diameter	<i>10</i>										
Height	<i>1.6</i>										
Altitude	<i>600</i>										
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January	<i>.90</i>	<i>.50</i>	<i>4.30</i>	<i>5.20</i>	<i>5.40</i>	<i>2.60</i>	<i>5.20</i>	<i>2.10</i>	<i>1.20</i>	<i>1.90</i>	<i>2.950</i>
February	<i>2.60</i>	<i>6.00</i>	<i>2.90</i>	<i>2.10</i>	<i>3.20</i>	<i>4.10</i>	<i>.80</i>	<i>1.00</i>	<i>.50</i>	<i>2.30</i>	<i>2.550</i>
March	<i>2.90</i>	<i>3.80</i>	<i>3.80</i>	<i>.80</i>	<i>1.90</i>	<i>1.90</i>	<i>3.10</i>	<i>1.70</i>	<i>2.20</i>	<i>2.30</i>	<i>2.440</i>
April	<i>2.00</i>	<i>1.10</i>	<i>4.00</i>	<i>2.10</i>	<i>1.80</i>	<i>2.10</i>	<i>2.80</i>	<i>1.00</i>	<i>2.00</i>	<i>2.00</i>	<i>2.090</i>
May	<i>2.20</i>	<i>3.40</i>	<i>2.90</i>	<i>.70</i>	<i>1.60</i>	<i>1.70</i>	<i>3.70</i>	<i>1.50</i>	<i>.40</i>	<i>1.30</i>	<i>1.940</i>
June	<i>4.50</i>	<i>1.50</i>	<i>5.80</i>	<i>4.40</i>	<i>.80</i>	<i>3.10</i>	<i>1.50</i>	<i>.60</i>	<i>1.70</i>	<i>.60</i>	<i>2.450</i>
July	<i>3.00</i>	<i>2.80</i>	<i>5.50</i>	<i>2.00</i>	<i>3.40</i>	<i>1.30</i>	<i>4.10</i>	<i>1.10</i>	<i>4.80</i>	<i>2.80</i>	<i>3.080</i>
August	<i>2.00</i>	<i>4.70</i>	<i>3.20</i>	<i>2.00</i>	<i>1.50</i>	<i>1.20</i>	<i>1.80</i>	<i>.90</i>	<i>3.30</i>	<i>4.30</i>	<i>2.490</i>
September ...	<i>3.90</i>	<i>2.20</i>	<i>1.90</i>	<i>4.30</i>	<i>2.20</i>	<i>5.10</i>	<i>(4.00)</i>	<i>3.80</i>	<i>1.10</i>	<i>1.40</i>	<i>2.990</i>
October	<i>5.50</i>	<i>2.80</i>	<i>3.90</i>	<i>4.70</i>	<i>2.00</i>	<i>6.10</i>	<i>(8.60)</i> <i>(4.60)</i>	<i>1.30</i>	<i>1.40</i>	<i>1.70?</i>	<i>3.400?</i>
November	<i>4.70</i>	<i>3.90</i>	<i>4.90</i>	<i>3.40</i>	<i>.90</i>	<i>2.30</i>	<i>2.10</i>	<i>1.50</i>	<i>4.00</i>	<i>1.30</i>	<i>2.900</i>
December	<i>5.80</i>	<i>4.80</i>	<i>3.00</i>	<i>3.20</i>	<i>5.70</i>	<i>1.10</i>	<i>3.10</i>	<i>2.80</i>	<i>2.40</i>	<i>2.40</i>	<i>3.430</i>
TOTALS	<i>40.00</i>	<i>37.50</i>	<i>46.10</i>	<i>34.90</i>	<i>30.40</i>	<i>32.60</i>	<i>36.80</i>	<i>19.30</i>	<i>25.00</i>	<i>24.30?</i>	<i>32.690?</i>

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 (S. low).

RAINFALL AT *Blackstone Edge Windy Bank*

Lat. _____

Lon. _____

County of *Lancashire*

Rain Gauge, by _____

Observer *Rochdale Canal Co*

CR Dykes Esq

Inwell 3

Diameter	10										
Height	1	6									
Altitude	600										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	3.00	3.50	3.10	.90	3.90	3.20	1.90	1.30	3.00	6.30	3.010
February ....	.40	.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	4.330
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	3.50	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	3.260
December ....	.60	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* $\frac{1}{4}$ mile S.W. 1880-
Rain + Stable 20ft high 120 ft S.E.

Annual value rejected from survey (8.10s).

RAINFALL AT

Littleborough
Blackstone Edge Windy Bank

Lat.

Lon.

County of *Lancashire*

Rain Gauge, by

Observer *Reichardt Conalloy*

Irwell 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	
March ....	.90	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 rejected from Survey (8" low)

RAINFALL at Littleborough Windy BankCounty of South LancashireObserver Rochdale Canal CoRiver Basin Mossy Inwell 3W. A. McFadyen

Rain Gauge, by _____

Diameter ...	8										
Height	20										
Altitude ...	605										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	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		1.62	5.81	
April	3.12	1.27	.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	2.86	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	4.33	3.15	6.88	3.04	3.95	
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. 5" low.

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

RAINFALL at Littleborough Windy BankCounty of LancashireObserver Rockdale Canal Co.River Basin Mersey-Trent 3

M.A. M. Gault Esq M.B.E.

M.O. Rain Gauge, by N+2
 802 (no cable) 26.28
 803
 8-16 Red mostly about noon on last day of month.

Glass - same as Hollingdale (22)

Diameter ...	8										
Height	2.0	Inspection									
Altitude ...	605										
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEANS.
January ...	4.80	6.10	3.59								
February ...	4.48	7.74	4.71								
March	3.55	3.54	2.87								
April	5.38	1.64	3.10								
May	5.23	2.48	.99								
June	2.46	.19	2.21								
July	9.17	1.17	4.07								
August	2.34	5.83	5.68								
September...	2.38	1.86	2.98								
October	1.83	3.09	1.12								
November...	2.28	2.67	3.22								
December...	3.98	6.35	5.54								
TOTALS...	47.88	35.66	40.08	#							

Inspected C.B. 6.7.22. S. on main road 4 ft. high 4 ft. away. S. at top of quarry like cliff dropping nearly vertically on S.W. Land falls generally NW. Wall 10 ft. high 35 ft. E. Badly overexposed.

Rejected from survey S. 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 from gauge	Parish Church.	Distance from gauge	Direction from gauge