

RAINFALL AT Sumner

Blackstone edge

Observer C. R. Dykes Rockdale Canal Compy. Lancashire

Rain { By

Gauge Diameter 10 in.

Height above Ground, 1 ft 10 in.

Above Mean Sea Level 700? ft.

YEAR.....	1866	1867	1868	1869	MEANS.
January.....	3.10	3.80	2.10	2.60	
February.....	4.60	4.50	3.80	4.90	
March.....	2.10	1.70	4.70	2.10	
April.....	1.60	5.00	1.40	2.20	
May	1.80	2.00	1.10	5.30	
June	5.30	3.20	.90	.90	
July	4.10	5.30	.30	.60	
August.....	4.60	2.00	3.60	2.10	
September.....	7.70	2.90	2.60	6.00	
October	3.90	3.60	4.80	3.40	
November.....	8.40	1.10	3.60	4.90	
December.....	6.40	4.10	7.90	4.20	
TOTALS	53.40	39.20	36.80	39.20	

On the NW face of the range known as
Blackstone edge

RAINFALL AT

Summit Blackstone edge 70

Lat.

Lon.

County of Lancashire

Rain Gauge, by

Observer C. R. Dykes Esq.

Rochdale Canal Co.

Diameter	10										
Height	1.10										
Altitude	700										
Year	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January	3.40	1.00	5.30	4.50	3.90	4.70	2.10	6.40	4.40	1.30	3.70
February ...	1.30	3.30	3.60	.60	1.60	1.40	4.90	4.90	1.80	3.60	2.70
March	2.50	1.10	3.30	2.70	4.20	.80	4.70	3.90	2.30	2.00	2.45
April	1.40	3.50	4.10	.30	1.40	1.10	2.90	2.30	1.60	2.30	2.09
May	1.20	1.50	2.40	2.50	1.60	2.20	.80	3.40	4.80	1.70	2.21
June	2.00	3.70	6.20	1.60	1.20	3.70	3.20	1.90	2.70	5.40	3.19
July60	4.30	3.80	4.40	1.90	5.90	2.90	4.30	.40	5.40	3.42
August ...	1.80	1.10	3.50	4.20	5.40	3.20	4.30	4.00	5.60	4.80	3.79
September ...	2.70	4.70	6.60	2.80	3.50	5.20	4.40	4.30	4.70	2.50	4.14
October ...	9.80	4.50	5.80	5.80	4.80	5.20	3.40	6.00	3.90	2.90	5.21
November ...	3.60	1.20	5.00	3.30	3.90	5.90	4.30	6.20	2.50	1.60	3.45
December ...	2.80	2.60	3.50	1.20	3.20	1.60	4.70	4.40	1.80	2.30	3.11
TOTALS ...	33.10	32.50	55.10	33.90	36.60	40.90	45.60	52.00	36.50	36.40	40.66

On the NW face of the Range known as Blackstone edge

RAINFALL AT Blackstone Edge, Canal 80

Lat. _____

Lon. _____

County of Lancashire

Rain Gauge, by _____

Observer C.R. Dykes, Esq.

In well 3

Diameter	10										
Height	1.11								1.10		
Altitude	700										
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January90	.40	4.70	5.40	5.60	2.70	6.10	1.30	1.40	2.00	3.050
February	2.70	5.70	2.80	2.10	4.10	3.60	.70	1.00	.60	2.40	2.570
March	3.10	5.00	4.40	.70	1.80	2.20	2.70	1.90	3.10	2.30	2.720
April	2.70	1.20	4.80	2.80	1.70	2.30	3.30	1.20	2.40	2.80	2.440
May	2.20	4.40	1.80	.90	1.70	2.20	5.20	1.40	.40	2.10	2.230
June	3.20	1.60	6.30	4.30	.90	4.60	2.00	.70	2.20	.60	2.640
July	5.10	3.00	4.30	2.10	4.20	1.20	4.30	1.40	5.40	3.50	3.450
August	2.10	5.50	3.30	2.20	1.70	1.10	1.40	.70	3.60	5.70	2.730
September	4.00	1.90	1.50	6.00	1.70	6.00	{(4.00)}	5.00	1.20	1.80	3.310
October	6.40	3.60	3.30	5.30	2.30	8.30		2.60	1.40	4.10	4.220
November	4.60	4.10	6.20	4.80	1.00	2.90	2.50	2.60	6.60	1.70	3.700
December	6.30	4.30	3.40	3.30	5.30	1.70	5.60	4.10	2.50	3.00	3.950
TOTALS	43.30	40.70	46.80	39.10	32.00	38.80	42.70	23.90	30.80	32.00	37.010

1880. Littleborough 2 miles S.W.

Annual values rejected from survey (10" low).

RAINFALL AT Blackstone Edge canal Summit

Lat.

Lon.

County of Lancashire

Rain Gauge, by

Observer Rochdale Canal Co

C.R. Bykes Esq

Inwell 3

Diameter	10										
Height	1	10									
Altitude	700										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	4.40	3.20	3.20	.70	3.00	3.60	1.80	1.40	3.00	5.50	2.980
February70	.20	2.80	4.30	5.00	.20	1.00	3.30	3.00	1.00	2.150
March	3.10	2.00	.90	1.20	3.30	3.40	5.40	4.10	2.40	1.50	2.730
April	1.10	2.10	1.20	.60	1.70	2.20	1.50	2.90	2.10	3.40	1.880
May	2.70	3.10	3.50	2.20	2.10	.50	.40	1.30	3.00	2.60	2.140
June	3.00	1.20	3.60	1.90	2.50	3.60	2.20	3.70	2.70	1.30	2.570
July	2.50	2.50	2.50	2.60	2.60	4.90	2.80	1.80	.70	2.30	2.520
August	4.50	6.00	4.00	2.40	3.70	3.90	1.90	2.80	5.00	1.40	3.560
September90	3.10	3.10	3.40	.30	1.70	7.00	3.40	.50	7.10	3.060
October	3.40	4.20	6.70	3.40	4.20	3.90	4.10	2.30	4.70	3.10	4.000
November	5.40	3.00	2.50	2.40	2.50	3.00	1.80	3.10	2.10	1.10	2.690
December70	7.10	2.40	3.20	3.30	4.10	4.90	5.20	4.20	2.60	3.770
TOTALS	32.40	37.70	36.40	28.30	34.20	35.00	34.80	35.30	33.40	32.90	34.040

1892 Littleborough Church 2 miles SW 1890
 House 18 ft high 90ft SW

Annual value reck'd from survey. (10° low)

Littleborough

RAINFALL AT Blackstone Edge Canal Summit

Lat.

Lon.

County of Lancashire South

Rain Gauge, by

Observer. Rochdale Canal Co.

Inwell 3

C.R.Dykes Esq

Diameter ..	10								8		
Height	1.10							2.0			
Altitude ..	700										
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	5.40	2.20	3.30	3.30	3.30	1.30	14.40	1.66	3.46	2.10	3.0520
February ..	3.60	.90	1.30	2.80	3.10	1.40	2.50	1.85	2.32	1.58	2.135
March90	2.90	1.50	5.10	1.80	3.00	0.20	3.85	2.79	2.78	2.732
April.....	2.00	2.20	1.90	1.30	2.40	2.20	1.30	2.08	2.27	3.73	2.138
May	1.60	1.60	2.50	3.60	1.60	.50	1.90	3.48	2.46	1.98	2.132
June.....	3.60	1.50	1.30	1.20	1.60	2.00	2.20	6.98	2.08	2.52	2.498
July	2.40	1.70	2.20	4.40	1.30	2.60	1.90	2.64	3.89	5.32	2.835
August	5.60	2.00	2.80	4.30	4.70	5.60	3.90	3.42	3.46	3.03	3.881
September..	1.40	.90	2.00	5.30	.80	1.70	.80	.97	3.44	2.75	2.006
October....	5.20	2.70	4.30	8.10	1.40	2.60	6.40	4.94	2.27	4.59	4.250
November..	3.20	5.60	2.00	2.30	2.40	3.40	3.70	3.39	2.08	.91	2.878
December ..	4.60	5.10	3.10	2.10	2.30	.70	2.80	3.85	2.30	6.30	3.315
TOTALS ..	39.60	29.30	28.20	43.80	26.70	27.00	35.00	38.61	32.82	37.59	33.852

Hub

Annual values rejects from Survey (10" less)

RAINFALL at Littleborough Canal Summit

County of South Lancashire

Observer Rockdale Canal Co.

River Basin Mersey. Incl. 3

C.R.D.P.A. Eq

is a Misnomer

Rain Gauge, by

Diameter ...	8										
Height	20										
Altitude ...	700										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	6.89	1.48		3.22	2.70	6.25	3.65			2.63	
February ...	1.51	3.28	6.60	1.25	2.75	4.06		7.71	6.94	5.66	
March69	1.69	4.92	3.98	4.13		2.62			1.36	9.75
April	3.44	2.02	.94	4.02	1.12		2.68			1.31	1.54
May	2.36	1.24	2.91	3.05	2.00	3.76	2.53	1.80	1.95	1.81	
June.....	3.34	2.48	5.82	2.82	2.53	52	2.46	2.48	1.00	1.53	
July	3.30	.78	2.25	.89	3.41	4.80	1.96	1.81	4.89	1.68	
August.....	4.69	2.05	7.21	1.95	2.94	4.39	2.73	6.59	2.73	3.42	
September ..	.29	3.42	2.30	1.46	3.08	1.37	2.11	1.98	13.11	1.23	
October ...	2.75	2.95	4.92	2.06	2.47	1.46	6.17	6.87	3.02	3.01	
November ..	4.95	4.14	1.80	4.61	5.79		3.61	3.12	1.67	3.49	
December ...	4.06	5.82	5.88	2.55	6.22	10.05	3.10	2.25	7.60	6.47	
TOTALS ...	37.27	30.85	45.55	31.86	39.14	38.78	38.61	33.84	46.93	33.93	

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 Canal Summit

County of Lancashire

Observer Rochdale Canal Co.

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

River Basin Mersey-Towle

M.O.

Rain Gauge, by N+2

$$\begin{array}{r} 12.8 \\ 9.8 \\ \hline 22 \\ 5.00 \end{array}$$

26 24

Glass correct 22

Diameter ...	8									MEANS.
Height	2.0									
Altitude	700									
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929
January ...	4.10	5.77	3.20							
February ...	3.29	6.60	4.22							
March	2.76	2.87	2.57							
April.....	5.79	1.30	3.45							
May	4.72	2.14	1.05							
June	1.92	10	2.87							
July	8.82	1.74	4.36							
August	1.61	5.85	5.79							
September...	1.92	1.60	3.00							
October.....	1.69	2.77	1.09							
November...	2.48	2.66	2.66							
December...	3.77	5.65	4.40							
TOTALS...	42.87	33.05	38.66	st						

Inspected C.S. 6.11.22, in 4ft circular iron fence 4 ft. away on coarse sand
land falls steeply on all sides. Grossly overexposed.

Rejected from 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.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge