

RAINFALL AT Blackstone Edge, Calf Lee

Lat. Lon. County of Lancashire Yorkshire
Rain Gauge, by Observer Rockdale Canal Co.

One. One. Galden 8

Diameter								10			
Height								16			
Altitude								960			
Year.....	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January								5.60	1.10	1.50	2.50
February								70	1.40	.50	2.10
March								2.70	2.00	3.00	2.70
April								3.30	1.30	2.80	3.60
May								4.70	2.00	.60	2.60
June								1.80	.50	2.50	.70
July								5.10	1.90	5.90	4.10
August								1.70	1.20	3.60	6.00
September.....								5.40	1.30	1.90	
October								9.80	3.20	1.70	4.60
November.....								2.90	2.60	6.90	1.80
December								4.90	2.60	2.80	2.70
TOTALS								43.20	25.20	33.10	35.30

Walde Chack 2½ miles N.W.

Annual Average reported from Survey.

RAINFALL AT Blackstone Edge Calf Lee

Lat.

Long.

County of Lancashire

Yorks. W.R.

Rain Gauge, by

Observer Rochdale Canal Coy
C.R. Dyer Esq.

One - Aire & Calder 8

Diameter	10										
Height	16										
Altitude	960										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	4.50	3.20	2.90	1.00	3.80	2.20	1.90	1.50	3.30	6.52	3.082
February70	.20	2.10	4.50	5.10	.50	1.20	2.70	2.60	1.58	2.118
March	2.90	1.60	.90	1.20	3.70	3.60	4.90	4.10	2.40	1.99	2.729
April	1.20	2.00	1.50	.70	1.90	2.10	1.50	2.90	2.40	3.79	1.999
May	3.00	3.50	3.90	2.20	2.40	.80	.30	1.70	3.20	3.08	2.408
June	3.80	1.30	3.50	2.40	2.80	3.40	2.70	3.80	3.30	.94	2.794
July	2.90	3.10	3.00	3.40	2.80	4.90	3.00	2.10	.70	2.85	2.875
August	5.30	7.70	4.60	3.00	3.60	4.90	1.40	3.50	6.00	1.19	4.119
September	1.40	3.30	3.50	3.60	.30	2.10	7.50	3.60	.70	8.73	3.473
October	3.10	5.40	7.00	3.50	4.20	4.20	4.80	2.30	4.40	3.62	4.262
November	5.20	3.50	3.10	2.70	2.80	3.30	1.70	4.70	2.40	1.42	3.082
December70	7.90	2.10	3.70	3.60	3.30	4.90	4.80	4.20	2.69	3.789
TOTALS	3470	42.70	38.10	31.90	37.00	35.30	35.80	37.70	35.60	38.40	36.720

1892 Walsden Church 2 1/2 Miles NW

Farm House 25 ft high 225 ft N

Annual Average rejected from survey.

Wadden
RAINFALL AT Blackstone Edge, Calfice
Lat. Lon. County of Lancashire, Eng.

Rain Gauge, by

Observer. R. D. Dykes, Esq.
C.R. Dykes Eng

Aire, Wadden 8

Diameter ..	10										
Height ..	1 6										
Altitude ..	960										
Year ..	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	M. MEAN.
January ..	5.70	2.52	2.53	4.28	3.92	1.61	5.23	1.52	4.01	2.29	3.361
February ..	3.72	.75	1.38	3.64	3.36	1.56	3.04	2.01	2.84	1.73	2.403
March ..	.60	3.45	1.74	6.07	2.14	3.79	3.63	3.74	3.01	2.83	3.100
April ..	3.19	2.57	2.15	1.33	2.81	2.73	1.67	2.16	1.91	4.07	2.459
May ..	1.78	2.06	2.95	4.24	2.45	.80	2.98	4.03	2.86	2.46	2.661
June ..	4.16	2.00	1.49	1.75	2.21	2.64	2.80	8.11	2.28	2.85	3.029
July ..	2.70	2.16	2.55	4.91	2.45	2.69	2.18	2.95	5.31	5.97	3.387
August ..	6.68	2.19	3.25	5.56	5.50	6.28	4.33	4.06	3.92	3.35	4.512
September ..	1.66	.85	2.31	5.09	1.22	2.37	1.26	1.04	4.24	3.19	2.323
October ..	6.11	3.22	4.84	9.96	1.90	3.40	7.77	5.64	2.81	6.11	5.126
November ..	4.08	5.77	2.62	2.75	2.61	4.35	4.93	3.43	2.71	1.09	3.434
December ..	5.99	4.87	3.69	2.48	2.61	.80	3.13	4.81	2.64	6.32	3.724
TOTALS ..	46.37	32.41	31.50	52.06	33.18	33.02	42.95	43.50	37.94	42.26	39.510

Huby

Annual Average rejected from survey

RAINFALL at Walsden Colfse

W. R. Yorkshire.

County of South Lancashire.

Observer. Rochdale Canal Co.

One acre Gedes - 8.

C. D. Dykes Esq

River Basin Mersey

W. A. M. Frith Esq

Rain Gauge, by

Diameter ...	10											
Height	1.6											
Altitude ...	960											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	
January ...	6.63	1.87	5.90	3.80	3.12	6.13	3.47	6.77	2.64	4.58		
February ...	1.93	5.29		1.89	3.32	3.72	7.10	5.66				
March	9.2	2.22	5.06	5.27	4.90	2.70		2.44		1.60	5.61	
April	3.95	2.47	1.04	4.48	1.49					.95	1.69	
May	2.85	1.71	3.24	3.34	2.47	3.62	2.13	1.94	1.60	1.74		
June	3.93	3.24	6.94	3.68	2.66	.51	2.75	2.07	1.51	1.60		
July	4.15	1.28	3.25	1.01	3.81	4.76	2.10	1.62	4.81	1.29		
August	5.88	2.83	6.95	2.17	3.65	4.28	3.62	5.86	2.65	3.81		
September ..	.29	4.14	2.96	1.73	3.38	1.12	2.17	2.53	12.10	1.82		
October ...	2.82	3.75	5.87	2.38	2.69	1.87	8.57	8.14	3.42	3.15		
November ...	5.58	5.08	3.48	4.87	5.64	5.01	3.33	3.67	1.33	2.90		
December ...	4.59	6.08	6.21	2.32	6.89		2.62	5.90	6.70	6.14		
TOTALS ...	43.52	39.09	52.40	36.94	44.02	36.22	39.97	38.83	44.97	34.33		

1919. Gauge frozen up at end of Feb.

Annual average rejected from survey.

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

RAINFALL at Walsden Galf Lee

W.L. Yorkshire.

County of Lancashire
River Aire - Calder - 8.
River Basin Boundary - Tadcaster

Observer Rochdale Canal Co.

H.G. Bradstock M.A.M. Engt. Esq. M.B.E.

Engineer, Rochdale WW. 1924.

1.99
7.98
7.95
8.56
7.62
7.63

{ only small incision
Blaeburn at 3ft. 6
(in Map No. 22)
Gally distinctive.

Rain Gauges by

Glass accurate 22

Diameter ...	8					10				8	
Height	1.6										
Altitude ...	960										
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	M.E.N.S.
January ...	3.70	7.21	2.66		3.50	5.31	4.49	3.24	12.63	2.41	8.20
February ...	3.10	5.50	4.13		(1.07)	7.91	3.46	1.34	5.61	7.3	1.13
March	2.79	3.93	3.02		1.60	1.65	.95	4.44	3.58	1.72	2.78
April	5.51	1.68	3.75		1.96	2.98	1.56	3.43	1.85	1.41	3.74
May	4.91	2.10	1.24		6.94	5.09	4.73	1.73	1.86	3.81	2.43
June	2.87	2.22	2.29		2.59	1.14	2.88	3.95	7.79	1.64	2.80
July	9.20	2.25	4.54		4.54	1.80	3.15	3.38	2.03	2.52	6.77
August	2.03	6.12	5.95		6.47	4.38	4.59	8.82	5.68	5.72	8.21
September...	2.42	1.70	3.60		4.84	3.90	3.11	5.89	.57	2.43	5.10
October.....	1.21	2.63	.95		5.95	5.45	4.26	5.39	6.69	6.19	7.41
November...	2.19	2.58	3.32		2.31	2.77	6.25	6.18	7.51	9.00	6.85
December...	3.13	5.63	4.53		5.25	2.91	1.14	1.69	3.74	10.05	4.23
TOTALS...	43.06	36.55	39.98		47.02	44.29	40.57	49.48	58.84	47.63	59.65

Inspected 6.7.22. Two gauges in 5 ft. iron fence 2 ft. 6 in. away, between field and gorge of river valley 4½ mi W. Low hills 100 yds S + rising land on E. A good exposure except for shelter by rails.

1924. Relocated by Dr. Glasspoole.

2/1/31 Inspected by Dr. Glasspoole - see green file.

Annual average rejected from survey.

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
1925			Walsden	1 m.		Walsden	1 m.

RAINFALL at Walsden (Calf Lee)

County of West Riding.

Observer Rochdale Corp.

River Basin Ouse-Aire-Calder 8.

Type of Gauge.

Annual Average 35.1 in. based on 22 years obs. un-weighted. Period of average 1881-1915 Ref. 666987/26

Diameter	8.										
Height	1.0.										
Altitude	960.										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means Total
January	5.95	6.69	2.82	5.08	2.13	4.74	4.72	7.11	6.00	2.20	47.34
February	6.49	3.30	4.57	4.48	6.83	3.17	6.93	2.40	5.28	2.82	39.57
March	5.51	2.66	3.70	3.63	1.90	2.86	2.42	1.16	3.22	3.37	25.43
April	4.41	6.08	2.05	3.21	4.51	1.88	3.16	.71	2.41	3.64	31.05
May	3.36	5.86	2.34	3.96	1.00	1.45	2.96	4.44	1.60	1.69	28.66
June	7.49	7.3	3.48	3.39	5.69	4.81	3.24	5.37	4.23	.83	39.26
July	5.14	5.16	3.47	2.79	2.19	4.21	2.85	4.75	7.09	3.82	41.47
August	5.73	1.72	2.03	4.17	1.98	3.39	2.76	4.95	3.59	1.86	32.17
September	3.92	5.75	1.75	3.92	8.97	4.65	2.63	1.62	1.53	4.71	39.45
October	3.12	5.88	5.49	6.50	11.78	8.97	2.75	11.93	2.65	5.59	64.36
November	9.49	3.87	3.01	2.62	7.16	7.25	2.84	6.78	7.44	9.01	59.47
December	2.56	3.50	0.67	6.70	3.74	5.75	2.93	5.41	3.74	4.53	39.33
TOTALS	58.17	43.60	35.68	46.45	57.88	50.13	40.17	56.63	48.78	44.07	487.56
D	D	D	D	D	D	D	D	D	D	D	D

Inspected VIII/31 { Jan. est'd for snow.
Feb pl. est'd.(7 to low) Annual average rejected from survey. Recommendations made. VIII/31
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

Station No. 3224

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RAINFALL at S. Walboden (Calf Lee.)County of West Riding Observer Rosedale Corpn.

River Basin Ouse - Aire - Calder - S

Type of Gauge.

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

Ref.

File No. 666987/26

Diameter	8"	076	982								
Height	1' 0"		1								
Altitude	960'		61								
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means Totals
January	1.49	5.31	7.26	7.50	4.27	6.03	3.51	11.02	2.11	2.64	51.04
February	5.61	1.43	3.64	2.45	6.06	6.49	2.64	5.50	3.15	5.72	40.69
March	5.61	4.30	1.67	.70	1.40	1.75	6.67	2.11	1.48	2.76	28.45
April	3.36	2.57	2.79	3.63	3.23	1.74	4.61	2.35	4.64	3.94	32.92
May	2.71	4.07	3.31	3.80	4.85	1.89	2.56	1.32	4.02	2.87	30.90
June	1.13	1.35	4.57	3.95	5.29	4.28	3.34	5.64	.69	2.86	32.60
July	1.67	4.41	3.59	4.70	2.53	4.40	3.12	2.04	2.81	4.88	34.12
August	7.37	5.54	7.78	3.80	3.49	7.45	.54	5.35	4.07	6.48	51.87
September	.78	2.56	6.53	6.85	3.39	9.00	3.15	3.32	.98	8.18	44.74
October	5.45	6.70	3.56	5.40	7.44	1.12	1.42	2.67	5.29	2.72	41.44
November	3.65	1.42	3.91	9.33	.72	9.22	7.00	2.29	6.30	6.07	49.91
December	2.66	4.40	2.78	5.38	3.48	4.37	4.24	4.45	6.42	2.88	41.36
TOTALS	41.49	44.06	51.39	57.49	46.15	57.74	42.83	46.06	42.39	50.87	480.37

Turf well covered with may 1957.

Pebby low needs repair 14.15.50

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

Station No. 3224

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RAINFALL at [§] Walsden (Half Lee)

County of West Riding - Yorks. Observer Rochdale Corp.

River Basin Ouse - River Calder - 8

Type of Gauge Mk 1A construction

Annual Average..... in. based on..... years obs. un-weighted. Period of average..... Ref.....
 " " 50.22 " 28 " within 1928-57 " 1916-50
 File No. 666987/2

Diameter	8"	076	982							5"				
Height	10"									1				
Altitude	960'		51							945'				
Year	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means			Total
January	4.44	6.16	1.90	4.61	3.45	7.42	5.67	5.39	4.52	6.70	50.32			
February	3.52	1.47	3.36	4.87	2.44	1.52	3.62	7.74	4.80	4.30	33.64			
March	5.86	3.42	2.46	3.50	2.86	1.67	4.61	2.81	2.23	2.14	31.56			
April	3.19	3.83	3.94	7.4	2.43	4.49	.50	1.80	4.12	3.11	28.15			
May	3.76	2.47	3.59	3.31	4.23	2.11	1.98	5.31	2.57	2.38	31.71			
June	2.11	4.12	2.86	8.62	4.01	3.53	2.78	6.00	2.75	1.86	33.64			
July	5.11	2.37	6.24	5.61	1.26	7.40	5.61	5.08	3.70	7.18	49.56			
August	6.82	5.91	6.62	7.64	1.03	11.29	6.37	6.19	.72	5.36	51.95			
September	3.81	4.29	3.69	6.18	3.55	4.91	6.15	5.60	.66	3.50	42.29			
October	1.69	7.35	2.69	9.16	3.24	3.66	8.80	5.36	5.88	6.43	54.26			
November	11.47	3.03	6.04	7.44	2.60	1.81	3.49	2.08	5.93	8.98	53.20			
December	9.06	4.67	2.37	7.95	6.93	4.90	6.49	5.41	9.47	6.08	63.33			
TOTALS	60.84	49.09	45.76	64.97	38.03	54.71	56.07	58.77	43.35	58.02	529.61			
	D	D	D	D	D	D	D	D	D	D	D			

Installed 19.8.55 on rocks. Gauge in bad condition. Measure flat-bottomed - site of SW. Recommended new gauge, new measure north 50° E of filter house, a protected position. New 5" gauge placed in weather jar recom. Bells (9.1.56) Old gauge not repaired left in old position.
 1956 New gauge readings adopted for this station. Old g. records available 1956, but will be abandoned in 1960.

[§] Turf Wall.

Position of Station on Ordnance One-Inch map : No. of Map 95 National Grid Reference SD 347253201

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge

Summary of Earlier Records from 10-year Sheets :

Record D, or d		1910-19	1920-30	1931-40	1941-50	1951-60
		✓	1920-22, 24-28	✓	✓	✓
		-	1920-22	✓		