

RAINFALL AT

Blackstone Edge, Calif.

80

Lat.

Lon.

County of ...

Lansing, Yorks. Co. N.Y.

Rain Gauge, by ...

Observer ...

Wichita Canal Co.

Quasi. Dues holder 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....							} 9.80	5.40.	1.30	1.90	
October								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	

Walsden Church 2 1/2 miles N.W.

Annual Average reported from Survey.

RAINFALL AT *Blackstone Edge Calf Lee*

Lat. _____

Lon. _____

County of *York, W. R.*

Rain Gauge, by _____

Observer *Rothdale Canal Co*
C. R. Dykes Esq

Once - *Aire - Calder 8*

Diameter	10											
Height	1 6											
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	
February ....	.70	.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	4.252	
November...	5.20	3.50	3.10	2.70	2.80	3.30	1.70	4.70	2.40	1.42	3.082	
December...	.70	7.90	2.10	3.70	3.60	3.30	4.90	4.80	4.20	2.69	3.789	
TOTALS ..	34.70	42.70	38.10	31.90	37.00	35.30	35.80	37.70	35.60	38.40	36.720	

1892 Walsden Church $2\frac{1}{2}$ Miles N.W.
Farm House 25 ft high 225 ft N

Annual Average rejected from survey.

RAINFALL AT

Walsden
Blackstone Edge, Calfee

Lat.

Lon.

County of *Yorkshire W.R.*

Rain Gauge, by

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

Aire, balder 8

Diameter ..	10										
Height	1 6										
Altitude ..	960										
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	5.70	2.52	2.53	4.28	3.92	1.61	5.23	1.52	4.01	2.29	3361
February ..	3.72	.75	1.38	3.64	3.36	1.56	3.04	2.01	2.84	1.73	2403
March ....	.60	3.45	1.74	6.07	2.14	3.79	3.63	3.74	3.01	2.83	3100
April	3.19	2.57	2.15	1.33	2.81	2.73	1.67	2.16	1.91	4.07	2459
May	1.78	2.06	2.95	4.24	2.45	.80	2.98	4.03	2.86	2.46	2661
June	4.16	2.00	1.49	1.75	2.21	2.64	2.80	8.11	2.28	2.85	3029
July	2.70	2.16	2.55	4.91	2.45	2.69	2.18	2.95	5.31	5.97	3387
August	6.68	2.19	3.25	5.56	5.50	6.28	4.33	4.06	3.92	3.35	4512
September ..	1.66	.85	2.31	5.09	1.22	2.37	1.26	1.04	4.24	3.19	2323
October	6.11	3.22	4.84	9.96	1.90	3.40	7.77	5.64	2.21	6.11	5126
November ..	4.08	5.77	2.62	2.75	2.61	4.35	4.93	3.43	2.71	1.09	3434
December ..	5.99	4.87	3.69	2.48	2.61	.80	3.13	4.81	2.54	6.32	3724
TOTALS ..	46.37	32.41	31.50	52.06	33.18	33.02	42.95	43.50	37.94	42.26	39510

Annual Average rejected from survey.

RAINFALL at Walsden GalfieW. R. YorkshireCounty of South YorkshireObserver Rochdale Canal CoRiver Basin one - Airedale - 8.W. A. M. G. G. G.

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	7.10	2.64	4.58	
February ...	1.93	5.29		1.89	3.32	3.72	6.77		5.66		
March	92	2.22	5.06	5.27	4.90	2.70			1.60	5.61	
April	3.95	2.47	1.04	4.48	1.49		2.44		.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	5.95	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	5.37	2.38	2.69	1.37	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	6.05	6.21	2.32	6.89		2.62	5.90	6.70	6.14	
TOTALS ...	43.52	39.06	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

to R. Yorkshire.

County of Lancashire

Observer Rochdale Canal Co.

once - Aire - Calder - 8

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

River Basin Therapy Inwell 3

Engineer, Rochdale W.W. 1924.

7.99 } { only small vines can
 7.98 } { gleasher at 3 ft. 6
 7.95 }
 8.56 } { M.O. by N+Z
 4.62 } { in moist, wooded stand
 4.63 } { badly distorted.

Rain Gauge by

class accurate '22

Diameter ...	8 10					10				8	
Height	1.6										
Altitude ...	960										
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEANS.
January ...	3.70	7.21	2.66		3.50	5.31	4.49	3.24	12.43	2.41	8.20
February ...	3.10	.50	4.13		(1.07)	7.91	3.46	1.34	5.61	.73	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	1.55	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	.22	2.29		2.59	.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 CB. 6-7-22. Two pumps in 5 ft. iron fence 2 ft. 6 away, in level field with gully of main valley $\frac{1}{4}$ mi W. Low hills 100 yds S + rising land on E. A good exposure except for shelter by rails.

— 1 —

mm/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	Direction
1925			Walsden	1 m.		Walsden	1 m.	

RAINFALL at Walsden (Calf Lee)County of West RidingObserver Rochdale Corpn.River Basin Ouse-Aire-Calder-8.

Type of Gauge.....

Annual Average 25.6 in. based on 22 years obs. un-weighted. Period of average 1881-1905. Ref. A

666937/26

Diameter	8.											
Height	1.0.											
Altitude	960.											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	Ratio
January	5.95	6.69	2.82	5.08	2.13	4.74	4.72	7.11	6.00	2.20	41.34	
February	6.49	3.0	4.87	4.48	6.83	3.17	6.93	2.40	5.28	2.82	39.57	
March	.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	.73	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	4.88	5.49	6.50	11.78	5.97	2.76	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	3.00	0.67	6.70	3.74	5.75	2.93	5.41	3.74	4.53	39.33	
TOTALS	58.17	49.60	35.68	46.45	57.88	80.13	40.17	56.63	48.78	44.07	487.56	
	D	D	D	D	D	D	D	D	D	D	D	

Inspected viii/31 { Jan. est'd for snow.
1940 { Feb. pl. est'd.

(7 for 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	Direction from gauge

BRITISH RAINFALL ORGANIZATION, EXHIBITION ROAD, LONDON, S.W.7.

Station No. 3224

RAINFALL at S. Waladen (Calflee)

41

County of West RidingObserver Rebecca GriffinRiver Basin Ouse, Airedale

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	2.54	51.04
February	5.61	1.43	3.64	2.45	6.06	6.49	2.64	3.50	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	4.64	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	2.37	30.90
June	1.13	1.35	4.57	3.95	5.29	4.28	3.34	5.64	.69	2.36	32.60
July	1.67	4.41	3.59	4.70	2.53	4.40	3.12	2.04	2.81	4.85	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	.78	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	41.77
November	3.65	1.42	3.91	3.33	.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	6.12	2.88	41.36
TOTALS	41.49	44.06	51.39	57.43	46.15	57.74	42.83	46.06	42.29	50.87	480.37

Turf well covered with snow 25th May 1957.

Probably low needs negative

42.5122

Position of Station on reduced Ordnance Survey Map, 1 mile 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

BRITISH RAINFALL ORGANIZATION

Station No. 3224

RAINFALL at Walsden (half Lx)

51

County of West Riding - Yorks.

Observer

Hochdale Corpn.River Basin Don - Aire - CalderType of Gauge 1 1/2" A. transpirationAnnual Average 50.22 in, based on 28 years obs. un-weighted. Period of average 1916-50 Ref. 666987/25

File No.

Diameter	8"	276	982			5"						
Height	1'0"		1									
Altitude	960'		51			945'						
Year	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means	Totals
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	.80	6.30	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	.74	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	3.62	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	57.95	
September	3.81	4.29	3.69	6.13	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	7.77	2.60	1.81	3.49	2.08	5.93	8.98	53.20	
December	9.06	4.67	2.37	7.45	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		

Inspected 19.8.55 Mr. Necks. Gauge in bad condition. Measure flat-bottomed. Site c/c SW. Recommended new gauge, new measure north 50' NE of f. l. house, a protected position. New 5" gauge placed in new site as recom. Better (2.1.55) old gauge not repaired left in old position. 1956 New gauge readings adopted for this station. Old g. record available 1956, but will be abandoned in 1961.

S. Tufwell.

Position of Station on Ordnance One-Inch map :

No. of Map

95

National Grid Reference

34/253201

Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction 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, 24-26 ✓ ✓ but 20-22	✓	✓	