

RAINFALL AT Waloden Whiteholme

Lat.

Lon.

County of Yorkshire

Rain Gauge, by

Observer Rochdale Canal Co.

Air + bar 8.

C. R. Dyke Esq.

Diameter ..			8								
Height			1 5								
Altitude ..			1250								
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..			2.81	4.70	3.75	1.84	5.55	1.85	4.05	2.88	
February ..			1.68	3.84	3.45	1.67	2.98	2.02	2.75	2.05	
March			1.84	6.09	2.50	3.48	3.72	3.92	2.88	2.73	
April			2.09	1.65	3.00	2.62	1.58	2.24	1.75	3.95	
May			2.68	4.41	2.45	1.26	2.88	3.41	2.70	2.42	
June			1.51	1.31	1.78	2.48	2.50	7.40	2.24	2.48	
July			2.15	4.79	1.90	2.77	2.81	2.80	4.55	6.10	
August			4.28	5.75	5.34	6.12	4.70	4.30	3.55	2.45	
September..			2.32	5.85	1.12	2.63	1.28	1.08	4.12	2.65	
October....			4.99	9.78	2.74	3.59	7.11	5.32	2.65	5.98	
November..			2.20	3.00	2.75	4.00	4.76	3.60	2.78	1.21	
December ..			4.24	2.35	2.85	1.40	2.30	4.55	2.45	6.90	
TOTALS ..			32.89	53.52	33.63	33.86	42.17	42.49	36.47	42.90	

Annual average rejected from survey.

RAINFALL at Walden Whiteholme DrainW. Yorks.County of West YorkshireObserver Rochdale Canal Co.River Basin Over and Calder - 8.W. A. M. P. H. E. G.

Rain Gauge, by _____

Diameter ...	8										
Height	1 5										
Altitude ...	12507										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	7.20	2.43		3.63	3.04	5.31	4.50		2.70		
February ...	1.95	4.98	6.24	1.75	3.28	3.61			6.94		
March	1.20	2.48	4.95	5.03	4.61				1.81	10.20	
April	3.60	2.38	1.19	4.18	1.41				1.36	1.64	
May	2.75	1.56	2.94	2.97	2.05	3.88	2.76	1.77	2.47	2.33	
June	4.00	3.11	6.91	2.97	2.11	.68	2.81	2.27	1.52	2.07	
July	4.00	.79	2.76	1.11	3.65	5.10	2.49	2.17	4.63	1.81	
August	5.63	2.37	8.50	2.37	3.68	4.95	3.38	7.23	3.06	4.39	
September ..	.35	4.07	3.11	1.76	2.97	1.21	2.76	2.74	12.35	2.07	
October ...	2.95	3.64	4.98	2.14	2.47	1.70	8.24	7.62	3.93	2.69	
November ..	5.78	4.93	2.52	4.90	5.61		3.39	3.53	2.20	3.53	
December ...	4.52	5.56	5.94	2.40	6.40		3.10	1.78	8.20	6.90	
TOTALS ...	43.93	38.30	50.07	35.21	41.28	37.56	43.50	34.98	51.17	37.63	

1919 Gauge frozen up at end of Jan. & Feb.

Annual average rejected from survey.

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

RAINFALL at Walsden Whiteholme DrainW. L. Yorkshire.County of West YorkshireObserver Rochdale Canal CoM. A. M. G. Smith Esq M.R.C.River Basin Don - Aire - Calder - 8.Engineer Rochdale W.W. 1924Snowdon Rain Gauge, by CasellaC. J. Bailey Esq Oldham 1924M.O. (127)

Diameter ...	9										
Height	1	5				1-0					
Altitude ...	1250				1240	1240					
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 MEANS
January ...	4.70	7.83	3.65		3.47	5.19	5.51	4.71	12.40	1.92	7.10
February ...	4.19	.98	5.19		1.45	7.92	4.48	1.97	5.80	.85	.88
March	3.16	3.89	3.52		1.85	1.63	2.56	4.57	2.98	1.57	3.21
April	6.20	1.25	3.00		2.44	3.37	1.97	3.38	1.16	1.37	3.39
May	5.54	2.35	1.50		5.76	5.34	4.72	2.14	1.67	3.92	2.29
June	3.50	.26	2.82		3.15	.12	3.14	4.33	7.68	1.85	2.57
July	8.90	2.40	4.85		4.71	2.20	4.22	3.37	2.72	2.55	7.44
August	2.60	7.23	5.87		6.81	4.73	5.07	9.30	5.41	6.32	8.19
September...	2.57	2.18	3.93		5.94	4.13	4.24	6.86	.76	2.14	4.38
October	1.80	3.14	.96		6.19	6.24	4.73	5.64	6.08	6.48	6.53
November...	2.67	2.65	3.07		3.41	2.57	6.67	5.73	8.18	8.47	6.81
December...	3.78	6.27	4.29		5.32	4.54	2.14	1.56	8.27	8.68	3.88
TOTALS...	49.61	40.43	42.65		50.50	47.98	49.45	53.15	57.51	46.12	56.67

1924. Reservoir Embankment. 55ft. high, 1/2 mile to S.W.

Inspected 5.10.23 J.F.W.S. New site 300 yds. S. of old g.c. in a dip.

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
1924	53° 46' 43"	2° 2' 10"	Walsden	3 m.	W. N. W.	Littleborough	3 1/2 m.	S. W.

RAINFALL at Walsden (White Holme)County of West Riding Observer C. J. Bailey, Esq. C.E.River Basin Ouse-Aire-Calder-8 C. J. Bailey, Esq. (1938)Type of Gauge M.O.Annual Average ~~1931~~ in. based on ~~22~~ years obs. un-weighted. Period of average 1881-1915 Ref. 660607/26

Diameter	8.										
Height	1.0.										
Altitude	1240.										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	5.23	6.01	3.72	3.61	1.88	4.14	4.34	5.83	5.51	(3.02)	
February	6.70	2.8	4.62	3.8	6.55	2.80	6.18	2.51	4.79	3.37	
March	4.3	2.10	2.97	3.24	1.83	3.11	4.60	1.41	2.46	3.35	
April	4.10	3.89	1.94	2.94	4.03	1.84	3.32	.84	1.99	2.77	
May	3.67	5.48	2.36	3.68	.94	1.35	2.57	4.47	1.23	1.22	
June	7.20	.13	3.15	3.42	6.98	5.42	3.90	6.29	3.42	1.04	
July	5.19	4.20	3.31	3.42	2.16	4.17	3.05	5.28	7.71	4.42	
August	6.08	1.13	1.86	3.93	1.91	2.44	2.48	4.98	3.00	2.59	
September	3.96	5.81	1.62	4.00	8.87	5.35	2.63	1.99	1.81	5.16	
October	3.15	8.25	5.20	6.03	10.42	5.78	2.51	11.78	2.65	4.90	
November	8.30	3.75	2.23	2.44	7.17	6.32	2.11	6.77	8.31	7.90	
December	2.33	2.73	0.63	6.69	3.20	4.57	3.07	5.21	3.52	4.09	
TOTALS	56.34	44.96	33.61	43.78	55.94	47.79	40.76	57.36	46.40	43.83	
	D	d.	d.	d.	d.	d.	d.	d.	d.	d.	

1931. Reservoir Embankment 35' high $\frac{1}{8}$ mi SW.

1940. Tan. 3 days cold from nearby stations.

Revised from survey as 8" too low. Letter sent 27/7/33

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
1931			Walsden	3 miles	WNW	Littleborough	$3\frac{1}{4}$ mi	SW

Station No. 3223

RAINFALL at Waladen (White Horse)

41

County of West RidingObserver L. B. R. Field Esq.River Basin Ouse - Aire Stables - 8Type of Gauge M. O.

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

File No. 660607/26

Diameter	8"			0.77	4.74						
Height	1' 0"				1						
Altitude	1240'				41						
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	1.63	4.72	6.33	7.40	4.78	5.42	4.06	10.50	3.04	3.00	
February	6.49	1.52	3.31	2.59	5.63	6.80	1.09	4.15	4.22	5.91	
March	3.71	3.01	1.65	.69	1.42	1.47	6.17	2.50	1.80	2.97	
April	2.51	2.25	2.72	3.56	2.57	1.69	5.29	2.28	5.12	4.66	
May	2.67	4.02	3.35	4.33	4.60	2.11	2.77	1.50	4.73	2.40	
June	1.23	1.32	4.70	3.81	4.67	4.62	3.22	5.30	.90	2.48	
July	1.95	4.46	3.32	4.37	2.71	4.50	3.22	2.37	3.01	4.41	
August	7.88	5.01	6.98	9.81	3.86	7.46	.45	5.56	4.80	6.93	
September	.84	2.65	4.92	5.78	3.23	8.43	3.66	3.58	1.64	8.50	
October	5.86	7.20	3.39	4.71	7.02	1.02	1.20	3.10	6.17	2.81	
November	3.72	1.45	3.83	7.93	.77	8.41	8.90	2.71	4.75	6.27	
December	2.93	4.24	2.64	5.03	2.95	3.95	4.76	5.12	8.41	2.96	
TOTALS	41.42	41.85	47.14	54.01	44.21	55.38	44.79	48.67	51.59	53.30	

1941. Reservoir Embankment 35' high 18m SW.

1947. Look's a white high.

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.
1941			Waladen	3m	WNW.	Littleborough	3 1/4m	SW.

BRITISH RAINFALL ORGANIZATION

RAINFALL at *Walsden (White Holme)*County of West Riding Yorks

Observer

River Basin, *Ouse - Aire - Calder* 8

Type of Gauge.

Annual Average.....in. based on..... years obs. un-weighted. Period of average..... Ref. S
 " " 49.74 " " 17 " " within 1940-57 " " " 1916-50
 File No. 660607/26

1951. Reservoir embankment 35' high 1/8 m. SW.

1964 * Goodbye mp low

1960:- np low

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference SD(34)975203

Summary of Earlier Records from 10-year Sheets :

	1910-19	1920-30	1931-40	1941-50	1951-60
Record D, or d	✓	20-22, 24-30 ✓ but - 25-26 34-26	✓ but - 34 D 31	✓	✓