

RAINFALL AT *Todmorden W.H. Ramsden Res.*

Lat. _____ Lon. _____ County of *Lancaster* ^{*W. Yorks*}

Air & barometer 8.
71.01 Rain Gauge, by _____ Observer *J Radcliffe Esq*

Diameter	8											
Height	1 0											
Altitude	980											
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January	7.78	4.01	4.07	1.83	5.29	2.56	2.94	2.18	4.62	10.17	4.545	
February .....	.63	.47	2.99	6.94	7.82	.23	2.31	3.53	4.35	2.68	3.195	
March	4.64	2.84	1.12	2.06	6.24	5.32	10.13	7.00	3.27	3.06	4.568	
April	1.57	2.27	1.77	.81	2.63	3.36	2.66	4.34	3.45	5.44	2.829	
May	3.97	5.12	5.21	3.12	3.93	1.12	.68	2.31	3.71	3.52	3.269	
June	3.98	1.91	4.77	3.32	3.93	1.96	4.03	4.56	4.08	1.72	3.426	
July	4.65	4.55	4.78	4.27	4.61	6.00	3.20	2.42	1.21	3.79	3.958	
August	6.61	9.68	6.19	3.84	4.65	7.07	3.42	6.13	7.97	1.46	5.702	
September	1.78	5.30	5.86	5.82	.64	3.19	11.48	5.97	1.38	9.91	5.133	
October	5.18	7.25	8.34	4.84	5.96	6.29	5.98	3.30	6.25	4.61	5.800	
November	9.94	5.15	4.40	4.32	3.53	5.24	1.92	4.70	4.59	2.36	4.615	
December	1.05	11.67	2.87	6.10	5.74	5.79	7.84	8.51	6.90	3.44	5.991	
TOTALS	51.78	60.22	52.37	47.37	54.97	48.12	56.59	54.95	51.78	52.16	53.031	

RAINFALL AT Jodmorden W.W. Ramsden Res

Lat.

Lon.

County of Lancashire South

Rain Gauge, by

Observer W. J. Ramsden Esq

Air & Balder 8

Diameter ..	8										
Height	1 0										
Altitude ..	980 ft										
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	8.12	3.33	3.69	5.78	5.37	2.61	7.05	2.26	5.04	3.48	4.673
February ..	6.31	1.63	2.10	4.97	4.48	2.69	5.32	2.88	4.72	2.75	3.785
March ....	.76	4.66	2.99	7.99	4.42	5.44	4.33	4.31	3.99	3.47	4.236
April	4.08	3.62	2.59	1.89	4.59	2.81	2.63	1.84	2.43	5.10	3.158
May	1.59	1.60	3.72	4.65	3.06	1.40	4.86	3.59	4.32	2.67	3.146
June	5.24	2.44	1.76	1.47	2.32	2.87	1.96	9.94	2.31	2.99	3.330
July	3.48	2.05	3.49	4.36	1.85	3.08	2.74	3.39	6.09	6.06	3.659
August	6.60	3.26	3.86	6.26	6.26	5.70	4.85	5.12	4.96	4.98	5.185
September ..	2.22	1.64	2.75	6.66	1.50	3.27	1.62	1.24	5.33	3.82	3.005
October	7.37	4.70	6.03	11.60	3.58	4.48	9.00	5.92	2.52	8.00	6.340
November ..	5.42	7.99	3.14	3.87	4.97	4.66	5.68	4.41	3.50	2.27	4.591
December ..	7.30	6.54	4.95	4.14	4.16	5.71	5.45	6.35	3.88	3.83	5.731
TOTALS ..	58.49	43.46	41.07	63.64	46.56	44.72	55.49	51.25	49.09	54.42	50.810

Hud

Tadmorden W.W.,

10

RAINFALL at Camden Reservoir No. 2

County of W. Yorkshire Observer Frank H. Brundage
 River Basin Great Ouse Calder 8

Rain Gauge, by _____

Diameter ...	5										
Height	10										
Altitude ...	1326										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...		1.31		(4.00)							
February ...		5.52		1.93							
March		2.54		3.74							
April		1.43		4.38							
May		1.58		3.26							
June		2.46		2.40							
July .....		.90		.74							
August		3.48		1.30							
September ..		1.61		1.50							
October ...		2.73		1.66							
November ..		4.84		5.39							
December ...		5.11		(3.23)							
TOTALS ...		33.51		(33.53)							

1911 Low - not printed
 1913 " " "

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

RAINFALL at Jodmorden W.A. Ramsden Res. No. 1.County of W. YorkshireObserver W. Tomlinson Esq. F.H. Brunt Esq.River Basin Cruc. Aire-Calden &

Rain Gauge, by _____

Diameter ...	8										
Height	1.0										
Altitude ...	980 ft			993							
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1910-19 - MEANS Totals
January ...	8.29	2.54	5.02	5.45	4.68	8.15	4.79	3.36	4.04	7.49	19.68
February ...	5.62	6.53	2.82	2.67	4.36	6.94	6.24	1.31	8.58	1.41	17.54
March	1.16	3.11	6.85	6.57	6.62	1.88	2.93	2.70	2.84	6.07	14.54
April	4.56	3.09	1.28	5.95	2.23	2.46	4.36	1.88	1.72	2.52	10.28
May	3.57	1.88	3.71	4.41	3.21	3.92	2.98	2.19	2.37	2.13	9.67
June	3.63	3.58	7.10	3.40	2.75	1.12	3.62	2.88	1.88	2.15	10.53
July	4.95	1.15	5.14	.98	4.39	6.13	2.87	2.77	5.68	2.77	14.09
August	7.40	3.15	8.76	2.12	4.40	5.59	4.13	6.98	4.20	4.84	20.15
September ..	.42	4.52	2.71	2.11	4.35	.82	3.04	3.19	15.77	2.74	24.74
October ...	4.29	4.61	6.20	2.22	3.12	2.16	10.05	10.63	4.42	3.16	28.26
November ...	6.33	6.31	4.77	6.64	7.30	2.49	4.31	6.29	3.19	4.73	18.52
December ...	5.49	7.46	7.10	3.90	8.47	10.00	3.76	2.41	11.24	9.37	26.78
TOTALS ...	55.71	47.93	61.46	46.42	55.88	51.66	53.08	46.59	65.93	49.18	214.78

1910 Connected for many days.

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
			Walsden	1½ m	NE SW	Walsden	1½ m	NE

RAINFALL at Walsden Ramsden Reservoir No. 1County of N. B. YorkshireObserver H. A. Braddock Esq. C.E.River Basin Guse Aire - Calder 8Ramsden 155

Rain Gauge, by _____

Diameter ...	8													
Height	1 0													
Altitude ...	993					933								
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 Mean	1920-30 Totals		
January ...	5.94	10.06	4.78	5.52	4.51	5.45	7.24	5.07	14.07	1.99	8.25	72.88		
February ...	4.75	5.9	6.33	7.43	1.66	8.91	5.09	1.89	6.95	1.02	.73	45.35		
March	4.99	5.23	4.68	2.26	2.00	1.71	3.21	5.20	3.54	1.69	3.16	37.67		
April	7.49	2.09	3.51	4.36	2.44	3.48	2.21	4.74	1.19	1.59	3.28	36.38		
May	6.37	3.12	1.97	4.84	6.58	4.92	5.28	1.98	1.68	4.10	2.44	43.28		
June	2.81	3.9	3.20	1.59	2.65	.02	3.88	4.95	9.12	1.74	2.01	32.36		
July	11.28	2.37	6.20	4.58	5.56	2.15	3.12	4.45	2.31	2.94	6.94	51.90		
August	3.66	7.43	6.74	7.58	8.11	5.37	5.60	9.35	7.85	5.58	8.67	75.94		
September...	3.09	2.01	4.35	5.84	6.22	4.36	4.28	6.83	6.7	2.31	5.34	45.80		
October.....	2.20	3.72	1.18	7.60	7.26	7.53	5.26	6.25	6.71	7.02	8.07	62.80		
November...	3.67	2.53	4.32	8.60	3.12	3.33	4.65	6.68	8.60	10.68	7.37	66.85		
December...	5.30	7.20	6.00	5.29	6.68	4.78	2.47	1.56	3.43	11.03	4.61	58.50		
TOTALS...	61.55	47.14	53.26	65.49	56.79	52.51	55.29	58.95	66.12	51.74	60.87	629.71		

Inspected 12.8.31 by Dr. Glaspoeth - see green file.

Position of Station on reduced Ordnance Survey
Map, 2 miles to 1 inch Series

No. of Map

Reference No.

Date.	Lat. N.	Long. W.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge	Direction
1920	53° 42'	2° 7'	Walsden			St. Peter's		

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

Type of Gauge

Annual Average 52.7 in. based on 51 years obs. un-weighted. Period of average 1881-1915 Ref S

66987/26

Diameter	5.											
Height	1.0.											
Altitude	993											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1931-40 Means Totals	
January	7.01	6.86	3.58	4.62	2.52	5.55	4.56	7.32	4.78	2.14	48.89	
February	7.14	.22	4.65	4.48	7.45	2.97	6.70	2.81	5.25	2.86	40.53	
March	6.3	3.32	3.16	3.18	1.72	3.01	2.59	1.37	3.48	3.49	25.95	
April	3.81	4.94	2.19	3.02	3.97	1.67	3.74	.74	2.20	3.02	29.20	
May	2.62	4.92	2.70	3.99	.95	1.20	2.67	3.69	1.28	2.20	26.22	
June	7.76	1.04	2.57	3.31	4.15	4.20	2.88	4.32	3.96	.92	35.21	
July	5.29	4.86	3.98	3.76	2.83	5.37	2.96	3.93	6.33	5.40	44.71	
August	5.48	1.50	2.24	4.29	2.63	3.51	3.75	7.30	4.37	2.79	37.86	
September	3.40	6.57	1.70	5.03	9.64	5.58	2.35	1.88	1.71	5.50	43.36	
October	3.36	9.17	6.27	7.15	12.01	7.69	2.16	10.45	1.98	5.98	66.22	
November	11.94	4.59	2.20	2.48	6.15	6.90	2.03	6.42	7.80	9.95	60.56	
December	2.93	3.55	0.59	6.80	4.64	6.13	2.47	5.12	3.96	5.87	42.06	
TOTALS	61.37	51.54	35.88	48.11	58.66	33.88	38.86	55.35	47.10	50.12	500.87	
	D	D	D	D.	D.	D	D.	D	D	D		

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

Station No. 3238RAINFALL at Walsden (Pamaden Reservoir)

41

County of West RidingObserver Rosdale CopinRiver Basin Ouse-Aire-Golder-B

Type of Gauge.....

Annual Average 52.7 in. based on 41 years obs. ~~un-weighted~~. Period of average 1881-1915 Ref. 5File No. 666.987/25

Diameter	5"			0.77	0.09							
Height	1' 0"			1								
Altitude	993'			41								
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1941-50 Means Total 5	
January	1.29	6.34	7.16	7.43	4.21	6.37	3.26	11.51	3.03	4.19	55.19	
February	5.09	2.07	4.21	2.42	6.97	6.65	2.92	4.22	4.07	6.57	48.19	
March	4.85	3.67	2.63	7.0	1.46	1.54	7.01	2.20	2.05	3.54	29.65	
April	3.01	2.83	3.16	4.34	3.18	1.66	5.11	2.62	5.00	4.64	35.55	
May	2.88	4.08	3.60	3.63	5.53	1.45	2.03	1.76	3.95	2.88	31.55	
June	.88	1.08	5.03	4.88	5.63	4.73	3.60	7.02	.65	3.00	36.50	
July	2.06	5.79	3.57	4.37	2.92	4.26	3.72	2.66	2.31	8.98	38.21	
August	8.58	5.89	7.96	4.45	4.55	8.36	.45	5.94	11.38	7.31	57.87	
September	1.02	2.92	5.86	8.23	2.89	9.12	4.05	3.84	1.45	9.06	49.00	
October	5.76	7.04	3.70	6.28	7.39	1.23	1.16	3.19	6.11	3.28	45.14	
November	3.51	1.45	4.55	3.46	.50	9.70	7.94	2.63	8.06	7.06	54.86	
December	3.25	4.53	3.09	5.95	3.26	5.11	5.40	5.19	9.03	3.29	48.10	
TOTALS	42.18	47.63	54.50	62.86	48.49	60.18	47.05	52.78	50.09	60.97	526.81	

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. 3238

RAINFALL at Walsden (Ramsden Reservoir)

51

County of West Riding - Yorks. Observer Rochdale Corp.

River Basin Ouse - Aire - Calder - S

Type of Gauge Mk 1A in suspension

Annual Average 52.7 in. based on 41 years obs. un-weighted. Period of average 1881-1915 Ref. S

53.49. " " 35 " " 1916-1950

File No. 666787/26 P

Diameter ...	5"			077	009						
Height ...	1'0"				1						
Altitude ...	993'			51		995'					
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	5.39	5.62	1.90	4.68	3.26	7.29	6.61	6.55	4.74	7.34	
February ...	3.95	1.48	3.23	4.38	1.77	1.84	4.18	9.49	.89	5.66	
March ...	5.43	3.51	3.24	3.85	2.32	2.09	5.73	2.90	2.87	1.77	
April ...	3.75	4.24	4.04	.64	2.85	2.80	.65	2.05	4.57	3.91	
May ...	2.55	2.10	3.10	3.14	5.16	2.48	2.34	5.82	2.24	2.43	
June ...	1.91	4.35	2.96	3.36	3.60	4.12	2.42	5.82	3.22	2.04	
July ...	4.19	3.08	6.55	6.60	1.66	8.93	7.94	4.82	4.75	9.69	
August ...	7.08	5.85	6.41	8.33	1.03	12.31	7.92	5.58	.70	5.72	
September ...	4.34	4.39	4.33	6.88	3.85	5.67	7.53	6.26	.62	3.94	
October ...	1.37	6.95	2.81	10.62	3.02	4.52	9.42	6.38	7.29	6.07	
November ...	10.93	3.31	6.39	7.44	3.08	2.48	3.60	2.28	6.16	10.17	
December ...	11.00	5.02	2.33	8.29	7.95	6.19	6.72	5.49	11.59	6.24	
TOTALS ...	61.89	49.90	47.29	68.21	39.55	60.72	65.06	63.44	49.44	64.98	
	n.p.	D	D	n.p.	D	D	D	D	D	D	

1951. n.p. low.

1954. n.p. low.

Inspected 19.8.55 Mr. Meales. Gauge found. Tilted N 1/4 in. 15" in concrete block. Site o/e
 S.W. Reconn. did re-level rim at 12" remove concrete, move 300' S.W. G
 protected site. * Gauge moved to protected site (20.10.55) letter 19.1.56 - 20.10.55

Position of Station on Ordnance One-Inch map :

No. of Map 95

National Grid Reference 34 915214

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

Summary of Earlier Records from 10-year Sheets :

1916-1950, P. accepted

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	✓	✓	✓	✓	
	✓ but 11.17	✓	✓	✓	