

RAINFALL at MarederCounty of W. YorkshreObserver E. Preble, Esq. B.C.River Basin Guse-afie-balder 8.

Rain Gauge, by \_\_\_\_\_

Diameter ...											8	
Height .....											2 4	
Altitude.....											692	
Year .....	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	
January.....										#(5.00)		
February ...										2.05		
March .....										8.31		
April .....										5.09		
May .....										1.51		
June .....										2.37		
July .....										3.53		
August .....										4.45		
September...										3.55		
October.....										3.15		
November...										3.99		
December ...										9.47		
TOTALS ...										(52.27)		

1919 Jan. estd. from surrounding stations.

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

RAINFALL at Mareston ReservoirCounty of N. H. YorkshireObserver E. H. d'É. DarbyRiver Basin Guse - Aire - Calder S(1926) L. M. & S. Rly. Bradford

Rain Gauge, by \_\_\_\_\_

Diameter ...	8											
Height .....	2.4											
Altitude ...	692											
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	
January ...	5.54	8.34	4.44	4.54	4.45	6.95	4.77	4.45	11.73	1.95	8.98	
February ...	6.93	1.51	6.19	5.59	2.07	7.52	4.43	2.15	8.25	1.79	1.23	
March .....	4.22	5.12	5.70	6.08	1.90	2.25	2.60	3.71	2.62	1.18	3.56	
April .....	7.09	2.33	4.30	3.87	(2.17)	2.05	2.00	9.50	1.98	1.94	3.79	
May .....	5.03	2.50	2.04	5.71	(6.22)	4.57	4.05	1.52	1.98	4.82	3.48	
June .....	5.41	2.3	3.44	1.90	3.59	5.55	5.00	3.77	5.63	1.43	2.11	
July .....	9.80	1.79	5.12	2.34	3.80	2.15	3.02	4.14	5.71	1.09	6.27	
August .....	3.20	7.61	7.00	8.76	6.14	3.98	5.09	6.43	5.95	6.60	7.85	
September...	1.89	1.15	5.35	5.05	6.26	3.58	2.86	8.49	0.71	1.07	5.55	
October .....	5.56	2.90	1.35	4.69	7.41	8.11	6.22	5.10	4.55	5.58	7.66	
November...	2.85	2.92	3.34	10.97	3.11	3.08	5.95	6.20	10.35	11.48	6.18	
December...	4.90	8.29	6.80	4.34	(4.88)	2.46	2.68	2.21	3.03	7.97	2.66	
TOTALS...	57.42	44.69	55.07	63.84	(52.00)	49.25	48.67	57.67	59.79	45.90	59.32	

1923: Gauge set weekly fixed in bank of the overflow for the  
Tunnel End Reservoir.

Stop

until 1923.

1927. Dec. Observer states no advantage to make  
any change in height of g. See enclosure 3A  
File 756147/27.



By Wash from Tunnel End Reservoir.

(See over)

Scale 40 ft to 1 inch.

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

RAINFALL at Marsden Reservoir.\*County of West Riding Observer L. M. & S. Rly.River Basin Ouse-Aire-Calder-8Type of Gauge M. O.Annual Average 50.5 in. based on 11 years obs. un-weighted. Period of average 1881-1915 Ref. S

756147/27

Diameter	8.			5							
Height	2.4.			1.0							
Altitude	692			650	657						
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means Total
January	7.65	6.75	2.75	4.40	3.23	6.18	5.83	6.84	7.82	(3.55)	55.00
February	7.30	.88	3.39	.68	7.42	2.61	6.93	2.45	4.80	(2.58)	38.54
March	.55	1.55	2.62	4.89	3.57	3.93	5.73	2.42	6.89	4.68	36.83
April	3.98	6.72	1.02	2.61	4.86	3.17	3.14	1.75	3.40	3.17	33.82
May	4.14	4.93	1.31	4.35	1.27	1.00	2.97	1.49	2.26	1.78	25.50
June	6.55	.74	2.85	2.75	4.47	6.38	2.72	6.14	4.18	.78	37.56
July	6.35	4.31	2.95	2.35	1.82	4.67	3.23	6.66	5.68	4.88	42.90
August	6.66	2.68	2.66	5.17	2.33	2.51	1.43	4.30	5.13	3.07	35.84
September	4.84	5.85	2.67	2.74	6.65	5.63	2.28	2.80	1.86	5.83	41.15
October	2.83	7.95	4.90	5.73	8.53	6.73	3.08	12.45	2.47	4.73	59.40
November	6.28	3.57	2.58	5.33	12.27	8.60	2.77	5.13	4.77	10.54	61.84
December	3.05	3.35	0.18	5.51	4.58	5.43	4.06	7.32	9.70	4.74	47.92
TOTALS	60.13	48.68	29.88	46.51	61.00	56.34	44.17	59.75	58.96	50.33	516.30

\* Gauge on a steep bank. (B.R.)

1733. Gauge inspected August 24. Recommended to be moved to site selected in the workshop yard, set up without fence. See file 756147/27.

1934. Gauge moved 200 yds. N.E. on 26/1/34.

1940 Jan &amp; Feb. apportioned for snow.

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 Direction from gauge	Parish Church.	Distance Direction from gauge



Station No. 3196

RAINFALL at Marston Reservoir \*

41

County of West RidingObserver L.M.S. Railway Co.River Basin Ouse - Aire - Calder - SBRITISH RAILWAYS (1948)Type of Gauge M.O.Docks & Inland WaterwaysAnnual Average 50.5 in. based on 11 years obs. un-weighted. Period of average 1851 - 1915 Ref. 5File No. 756147/27

Diameter	5"		078	470								
Height	1' 0"			1								
Altitude	657'			41								
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	
											<u>Total</u>	
January	4.35	5.91	7.45	8.75	4.69	6.43	6.00	15.33	3.54	3.52	65.97	
February	6.78	2.10	5.77	2.30	6.27	8.50	1.46	4.48	3.18	7.24	48.38	
March	6.51	3.45	.61	1.11	1.78	1.94	7.91	1.58	2.49	2.81	30.19	
April	3.50	4.34	4.75	3.68	3.32	3.00	5.17	3.45	4.87	5.07	40.65	
May	3.51	5.35	3.02	(4.41)	3.20	2.13	3.50	1.25	3.59	3.01	32.97	
June	1.36	1.60	4.16	(3.52)	(7.40)	4.51	5.58	4.56	.69	2.28	35.63	
July	1.33	5.34	3.93	3.46	(1.48)	6.25	2.78	2.56	3.52	4.77	35.72	
August	4.45	4.79	6.32	(4.82)	3.86	6.63	.80	6.79	3.22	5.78	52.46	
September	.63	4.82	6.17	(6.71)	3.40	7.68	3.45	4.00	1.64	8.38	46.88	
October	7.31	7.53	3.44	4.77	(8.05)	1.44	1.97	3.61	4.86	2.84	45.88	
November	3.94	1.01	3.57	(10.50)	(.43)	9.90	9.30	2.49	8.14	8.00	57.28	
December	3.10	5.30	5.01	(6.04)	3.08	4.37	3.15	4.42	10.08	4.39	48.94	
TOTALS	51.77	51.60	54.20	60.07	46.96	61.78	51.07	55.02	50.12	58.36	540.95	

1944 Totals in brackets affixed

1945 Totals in brackets affixed

1946 Jan - April and July - Sept affixed.

1947 Canal Workshop 40' high 20' W.

03334 01464

\* Gauge on a steep bank.

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.
1947			marston	1/2	E	marston	3/4 m	E

BRITISH RAINFALL ORGANIZATION

RAINFALL at Marsden ReservoirStation No. 3196

51

County of West Riding YorksObserver BritishRiver Basin Cum-Aire-BaldersType of Gauge M.O.Annual Average 50.5 in. based on 11 years obs. un-weighted. Period of average 1851-1915 Ref. E 3345/57  
" " 54.12 " " 23 " with 1939-57 " " 1916-50 File No. 756167/27 E 1467/53

Diameter ...	5"		078	470								
Height ...	1'0"			1								
Altitude ...	657'			51								
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means	
January ...	5.99	6.37	2.46	4.64	3.96	7.13	4.30	5.40	5.30	7.79	53.37	
February ...	4.57	1.93	2.85	4.53	3.37	1.74	4.04	8.19	.63	3.94	35.79	
March ...	7.26	3.03	3.29	3.55	3.09	2.02	4.15	3.72	2.59	2.19	34.89	
April ...	3.75	4.28	4.70	.99	2.03	3.89	.61	1.76	6.20	3.27	31.48	
May ...	3.78	2.38	2.82	4.26	5.95	2.18	1.48	4.84	2.38	2.89	32.96	
June ...	3.75	4.12	3.17	3.44	4.20	3.68	2.37	6.60	2.44	2.07	35.89	
July ...	3.92	2.88	7.43	6.21	1.32	8.54	5.39	5.82	4.08	7.25	52.84	
August ...	7.21	5.63	5.95	6.29	1.19	13.90	5.93	5.22	.56	7.71	59.59	
September ...	3.33	4.63	3.86	4.95	3.43	5.13	7.62	6.50	.49	3.38	46.32	
October ...	1.61	6.96	2.25	4.28	3.40	3.78	7.77	5.23	5.65	6.56	52.49	
November ...	11.13	2.70	5.88	8.08	2.66	2.44	3.74	1.55	5.86	7.71	51.75	
December ...	10.03	5.33	2.53	8.72	7.39	5.35	6.42	5.55	9.82	6.27	67.41	
TOTALS ...	66.33	50.24	47.19	68.06	41.99	59.78	53.82	60.38	46.00	61.03	554.78	
	D	d	d	d	d	d	d	d	d	d		

1951. 1st Workshop to high 20"E.

1956 No 13 test by most to upm monthly total.

"Gauge on steep bank" - BR 1953 footnote - "Site unsuitable"

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference

SE 44 046121

Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge.
1951.			Marsden	1/2 m E.	Marsden	1/2 m E

Summary of Earlier Records from 10-year Sheets :

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