

## RAINFALL AT Maraden, Deer Hill

Lat.

Lon.

County of

York W.R.

Rain Gauge, by

Observer

J. Stanway Esq.

Case - Arie &amp; Boxer 8

Diameter . . . .											
Year . . . .	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January . . . .						2.91	4.71	1.89	1.75	2.61	
February . . . .						4.62	9.44	1.16	.92	2.64	
March . . . .						3.91	3.07	2.00	3.12	2.50	
April . . . .						2.76	3.35	1.57	2.93	3.18	
May . . . .						2.42	5.72	2.57	1.18	3.23	
June . . . .						4.40	1.94	1.40	3.75	.65	
July . . . .						1.74	4.80	2.38	8.37	3.44	
August . . . .						1.80	2.51	1.73	3.84	5.71	
September . . . .						4.95	3.65	4.56	1.56	3.19	
October . . . .						7.18	5.68	3.40	2.07	6.11	
November . . . .						3.03	2.48	2.82	9.54	1.93	
December . . . .						1.74	6.17	3.15	3.27	2.67	
TOTALS . . . .						40.86	45.02	27.57	42.30	37.86	

## RAINFALL AT Marsden Deer Hill

Lat.

Len.

County of

York W.R.

Obsr. Alice & Gald <sup>8th</sup> Rain Gauge, by  
New Gauge

Observer

J. Stanway Esq  
J. M. Schofield Esq

Diameter ....	8										
Height .....	10										
Altitude ....	11497										
Year .....	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January .....	3.75	3.28	1.17	4.65	2.08	2.00	1.81	4.00	7.47		
February .....	.66	1.88	6.62	8.59	1.05	2.07	3.59	4.11	1.93		
March .....	2.61	.86	.57	3.53	3.93	5.98	4.97	1.58	3.03		
April.....	2.49	1.54	.86	3.50	2.73	1.78	3.79	3.46	3.45		
May .....	3.75	4.80	2.50	2.83	2.00	.61	2.15	4.05	3.36		
June .....	2.78	4.16	2.26	4.11	4.62	3.94	3.91	3.70	2.05		
July .....	3.27	3.50	4.81	3.95	8.09	2.81	1.77	1.30	1.75		
August .....	9.28	4.57	2.54	4.69	3.88	2.47	4.06	6.54	3.30		
September....	4.33	4.27	4.17	1.11	1.27	9.03	4.03	.77	8.22		
October.....	#	8.22	8.26	3.70	6.88	5.45	5.69	2.40	5.86	4.08	
November....	6.54	4.56	3.75	3.72	3.34	4.69	1.70	5.24	3.05	2.41	
December....	.58	9.52	1.68	5.66	3.96	4.71	5.86	5.66	6.37	2.99	
TOTALS ....	55.22	42.55	38.58	51.14	44.50	43.94	43.38	44.79	44.04		

## RAINFALL AT Marsden Deer Hill

Lat.

Lon.

County of

York W.R.

Rain Gauge, by

Observer

J. Ramsay Eng

J. M. Schofield Eng

Ouse - Aire Catcher 8

Diameter .....	8										
Height .....	10										
Altitude .....	1149 T										
Year .....	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January .....	5.10	3.90	3.54	1.26	4.62	2.04	2.05	1.75	3.67	7.54	2.514
February .....	.83	.63	1.94	6.20	8.52	1.01	2.05	3.14	3.79	1.88	2.999
March .....	3.80	2.59	.85	-43	3.48	3.93	5.57	4.60	1.52	2.44	2.921
April .....	2.39	2.35	1.66	.77	3.35	2.67	1.78	3.71	3.47	3.15	2.621
May .....	3.85	3.82	4.69	2.37	2.75	1.94	.61	1.99	3.75	3.22	2.899
June .....	3.30	2.56	3.84	2.12	3.93	4.55	4.10	3.75	3.55	2.02	3.372
July .....	3.30	3.25	3.44	4.60	3.81	8.10	2.78	1.53	1.18	1.64	3.363
August .....	5.84	8.74	4.77	2.40	4.51	3.99	2.29	4.02	6.13	3.15	11.581
September .....	1.80	4.31	4.32	3.97	.98	1.25	9.18	3.91	.66	7.82	3.820
October .....	3.62	7.83	7.79	3.60	6.60	5.43	5.62	2.27	5.61	3.72	5.209
November .....	6.62	4.47	3.73	3.18	3.31	4.64	1.67	4.93	2.79	2.07	3.411
December .....	.56	9.37	1.74	5.30	3.88	4.87	5.94	5.28	5.97	2.75	11.566
TOTALS .....	41.01	53.82	42.25	36.20	49.74	44.42	43.64	40.88	42.09	41.40	112.546

## RAINFALL AT Marsden Deer Hill

Lat.

Lon.

County of York W.R. Central

Ouse - Aire &amp; Calder 8 Rain Gauge, by

Observer J. W. S. Lohfield Esq

New Gauge

Diameter ..	8										
Height ..	10										
Altitude ..	1149 <sup>T</sup>										
Year ..	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	7.36	2.38	3.75	5.80	5.12	2.63	6.82	1.42	3.85	3.52	42.65
February ..	3.70	1.50	1.04	5.66	5.05	2.72	4.40	3.16	3.44	3.75	34.42
March ..	.92	3.46	2.98	6.98	2.67	5.14	4.95	4.06	3.78	.58	3.552
April ..	2.94	2.42	2.15	3.05	4.24	3.75	1.93	2.88	2.08	3.25	28.69
May ..	1.73	1.61	3.47	4.34	3.04	.83	3.96	4.58	2.67	4.11	3.034
June ..	4.67	1.57	1.64	1.49	1.28	3.44	2.29	8.24	2.13	2.56	29.31
July ..	3.49	4.02	3.43	4.96	2.99	3.53	2.75	2.82	4.80	4.10	3.680
August ..	6.40	1.96	4.13	5.79	5.30	6.31	3.97	3.99	4.61	6.44	48.90
September ..	1.44	.91	3.24	6.21	1.71	3.36	1.64	.96	3.63	5.03	28.13
October ..	6.57	3.32	6.01	10.91	1.78	4.48	7.24	7.73	2.54	5.60	56.18
November ..	3.72	6.84	2.80	3.68	3.70	6.10	5.49	3.72	3.16	3.11	42.32
December ..	6.43	4.55	5.16	3.05	3.55	1.56	4.01	4.73	2.84	8.57	44.45
TOTALS ..	49.37	34.54	39.80	61.92	40.43	43.85	49.45	48.29	39.53	50.62	45.780

Marsden

## RAINFALL AT Maroden Deer Hill

Lat.

Lon.

County of York w.R. Central

Ouse - Aire &amp; Calder Rain Gauge, by

Observer

J.W. Schofield Esq

Old Gauge

Diameter ..	8										
Height ..	1.0										
Altitude ..	1149 T										
Year ..	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEAN.
January ..	6.66	2.59	3.16	4.99	4.91	2.38	5.99	1.16	3.47	3.34	3.865
February ..	3.48	1.44	1.05	4.73	4.71	2.60	3.96	2.75	3.09	3.18	3.099
March ..	.95	3.53	2.15	6.94	2.60	4.84	4.37	3.75	3.62	.64	3.330
April ..	2.69	2.41	1.99	2.65	3.94	3.52	1.81	2.76	1.96	3.08	2.681
May ..	1.68	1.54	3.33	4.25	3.03	.78	3.93	4.36	2.53	3.87	2.930
June ..	4.56	1.64	1.59	1.51	1.24	3.34	2.18	8.00	1.95	2.49	2.850
July ..	3.39	3.99	3.19	4.97	2.94	3.33	2.55	2.72	4.65	4.00	3.573
August ..	6.30	2.04	4.07	5.71	5.18	6.23	3.71	3.52	4.04	6.02	4.682
September ..	1.33	.86	3.01	6.09	1.68	3.28	1.49	.87	3.42	4.72	2.675
October ..	6.17	3.48	5.59	10.68	1.61	4.36	7.11	7.79	2.40	5.03	5.452
November ..	3.61	6.70	2.77	3.45	3.39	5.94	5.04	3.55	2.80	2.59	3.984
December ..	6.04	4.57	4.41	2.94	3.49	1.41	3.44	4.53	2.73	7.76	4.132
TOTALS ..	46.86	34.79	36.31	58.9	38.72	42.01	45.58	45.76	36.66	47.02	43.262

Hill

## RAINFALL at Maroden Dear Hill New Gauge

County of W.R. Yorkshire

Observer J.W. Schifield by Edgar Jones by

River Basin Ouse-Aire-Calder 8

J.W. Armitage Esq. C.E.

M.O. Rain Gauge, by N &amp; 2

7.96, 8.00, 7.98, 7.96.

Glass  
see v. 059.

Diameter ...	8									
Height .....	1 c									
Altitude ...	1149 T									
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	MEANS.
January ...	5.30	5.74	4.48	4.61	4.48	6.79	4.40	1.67	3.04	4.14
February ...	7.04	1.18	2.22	1.96	3.38	4.90	4.35	.59	8.41	1.16
March .....	3.13	7.53	5.43	7.57	6.01	1.32	2.44	2.34	1.89	4.53
April .....	1.35	.78	1.20	5.19	1.85	1.94	3.23	1.40	1.44	2.29
May .....	4.81	4.33	4.45	3.48	2.54	2.05	2.88	2.35	4.31	2.86
June.....	3.04	.37	5.20	3.36	2.83	1.29	3.57	2.40	2.17	1.89
July .....	5.38	4.16	5.89	1.39	3.61	4.92	2.89	2.02	4.68	3.25
August.....	3.68	1.67	8.25	2.16	3.14	5.56	3.42	7.09	2.92	3.94
September ..	5.83	4.64	2.53	2.15	3.01	.67	2.66	2.69	14.92	2.43
October ...	1.72	3.39	4.19	3.32	2.75	1.90	8.46	7.94	3.40	3.26
November ..	5.59	8.08	4.72	5.73	6.77	2.05	4.17	5.10	2.59	3.63
December ...	3.64	4.31	6.44	3.57	7.35	8.39	2.81	1.63	8.62	7.81
TOTALS ...	50.51	46.18	55.00	44.49	47.72	41.78	45.28	37.22	58.36	40.69

† 28. I. 15 c. See old gauge.

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

## RAINFALL at Marsden Deep Hill Oldfange

County of W.R. Yorkshire

Observer

J.W. Schofield Esq Edgar Jones Esq  
G. Ammitage Esq C.

River Basin Ouse-Aire-Calder S

sound. Glaisher Rain Gauge, by  
7.95, 7.97, 7.96, 7.92

glass error

01 @ .30  
0 @ .40  
proportional  
.005 @ .50

Diameter ...	8												
Height .....	1.0												
Altitude ...	1149 T												
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919			1916-19 MEANS. Totals
January ...	4.81	4.70	4.07	4.33	3.84	6.60	4.12	1.51	2.90	3.78	12.31		
February ...	7.01	.88	2.14	1.66	3.26	4.70	4.10	.57	7.30	1.19	13.16		
March .....	2.89	6.32	5.05	6.83	5.48	1.19	2.40	2.28	1.82	4.87	10.87		
April .....	1.24	.67	1.16	4.91	1.77	1.85	2.83	1.31	1.40	2.18	7.72		
May .....	4.67	4.11	4.27	3.36	2.44	2.10	2.83	2.34	4.13	3.88	11.58		
June .....	2.73	.28	5.06	2.99	2.82	1.29	3.57	2.39	2.01	1.79	9.70		
July .....	5.24	3.90	5.75	1.34	3.54	4.93	2.88	1.85	4.29	5.23	12.45		
August .....	3.52	1.48	8.03	2.69	2.99	5.48	3.40	7.01	2.60	3.83	16.84		
September ...	5.22	4.51	2.13	2.10	3.02	.67	2.70	2.43	14.38	2.24	8.175		
October ...	1.59	3.18	3.84	3.27	2.69	1.91	8.28	7.39	8.14	5.83	22.14		
November ...	5.12	7.62	4.50	5.32	6.42	1.95	4.05	4.29	2.29	3.55	13.98		
December ...	3.43	4.10	5.70	3.07	7.35	8.14	2.73	1.42	7.70	7.26	19.11		
TOTALS ...	47.47	41.75	51.70	41.28	45.62	40.80	43.83	34.79	52.16	38.83	171.61		

+ 28. I. 15 ft. In iron railing enclosure 8 ft. sq. On S. side of Res. on level spot. Bluff 100 ft high 300 yds S. A very good site.

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

## RAINFALL at Marsden Deer Hill

County of N. R. Yorkshire Observer J. W. Arncliffe Esq. G.E.

River Basin Guse-Aire-Calder S

Sandstone

Mo Rain Gauge, by Neg.  
new Gauge

Diameter ...	8									1930 Month	1920-30 Total
Height .....	10										
Altitude ...	1149										
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930
January ...	4.70	8.29	4.03	5.02	3.64	5.49	5.24	4.59	12.34	1.41	6.68
February ...	4.44	5.57	5.36	6.79	1.22	6.82	4.46	1.71	5.69	.51	.89
March .....	3.17	4.33	3.35	2.89	1.46	1.66	2.09	5.51	2.72	1.29	2.36
April.....	6.89	1.74	4.08	3.60	2.45	3.19	2.37	4.05	1.44	1.46	3.05
May .....	6.65	2.41	1.98	4.72	6.77	4.61	4.98	1.76	2.11	3.74	2.65
June .....	3.53	3.44	3.03	1.12	2.73	1.04	3.73	4.58	5.90	1.57	3.53
July .....	9.59	2.12	5.74	5.46	4.46	1.78	3.49	3.35	1.83	2.06	7.79
August .....	3.67	6.75	6.83	5.53	4.80	1.51	4.80	6.76	5.70	5.24	6.04
September...	2.27	1.38	4.91	4.97	5.81	3.95	3.43	6.99	.65	1.92	5.79
October.....	2.06	2.70	1.41	6.18	6.12	6.86	4.62	5.13	6.06	5.98	7.07
November...	2.76	2.37	3.57	7.16	3.12	2.57	5.84	5.36	9.19	9.56	6.19
December...	4.40	5.14	4.40	4.03	6.01	4.52	2.58	1.33	3.34	8.39	3.66
TOTALS...	54.13	41.14	48.69	57.47	48.59	46.00	47.63	51.12	56.27	43.13	56.70

X/28 Inspected by Mr Corlett see green file

June 1931 Gauge moved out of enclosure & set up 10' from the railings as suggested by you. Rim is now 1 1/4" above ground & turf was higher in proportion. See Enc 28A f 66 dec 1/26.

Position of Station on reduced Ordnance Survey } No. of Map \_\_\_\_\_ Reference No. \_\_\_\_\_  
Map, 2 miles to 1 inch Series

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge
1927			Meltham			Meltham	

## RAINFALL at Marsden Deer Hill OLD G

County of N. R. Yorkshire Observer: J. W. Armitage Esq. C.E.

River Basin Guse-Aire-Calder S Standard gauge 600 ft. above sea level.

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

Diameter ...	8											
Height .....	10											
Altitude ...	1149											
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEANS.	1930
January ...	4.30	7.43	3.39	4.24	3.38	4.74	4.80	4.10	11.60	1.38	6.76	
February ...	4.00	5.50	4.88	6.22	9.77	6.24	4.14	1.60	5.47	.51	.89	
March .....	2.91	3.98	3.07	2.73	1.39	1.47	1.65	5.35	2.59	1.17	2.34	
April.....	6.81	1.68	3.79	3.37	2.35	2.91	2.34	3.97	1.62	1.41	2.92	
May .....	6.34	2.35	1.84	4.46	6.56	4.47	4.65	1.67	2.11	4.05	2.56	
June .....	3.55	3.33	2.75	.94	2.56	1.04	3.41	4.51	5.92	1.59	3.47	
July .....	9.48	1.93	5.47	5.18	4.35	1.77	3.34	3.27	1.77	2.03	7.57	
August .....	2.59	6.71	6.77	5.10	4.41	4.34	4.56	6.55	5.02	5.25	6.05	
September...	2.14	1.32	4.59	4.44	5.36	3.37	3.31	6.73	.66	1.96	5.71	
October.....	2.06	2.65	1.39	5.54	5.83	6.73	4.34	4.90	5.95	6.05	6.78	
November...	2.60	2.34	3.28	6.46	2.90	2.47	5.37	5.14	8.84	9.53	5.99	
December...	4.26	7.24	4.03	3.61	5.74	4.08	2.19	1.35	3.37	8.22	3.53	
TOTALS...	51.04	36.46	45.25	52.29	45.80	42.63	44.10	49.14	56.72	43.15	54.57	

☒ Inspected by M. Colles see green file

1931 June 29. Old g. replaced by No 3153 (new) in new position  
{ Elevation 26 ft 660601/26)Position of Station on reduced Ordnance Survey } No. of Map \_\_\_\_\_ Reference No. \_\_\_\_\_  
Map, 2 miles to 1 inch Series }

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge
1927.			Meltham			Meltham	

## RAINFALL at Marsden (Deer Hill)

County of West Riding.

Observer J. W. Armitage, Esq., C.E.

River Basin Ouse - Aire - Calder 8.

J. P. Bevington Esq., C.E. (1936)

Type of Gauge

450

39 (corrected X/144)

Annual Average 42.8 in. based on 45 years obs. un-weighted. Period of average 1881-1915 Ref. S

660601/26

Diameter	8.										
Height	1.0.										
Altitude	1149.										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1931-40 Means Totals
January	5.55	6.96	4.04	4.64	2.26	4.32	5.89	7.26	5.72	(2.91)	49.55
February	6.03	.88	7.06	.38	7.18	2.39	6.95	2.40	5.22	2.18	37.17
March	.39	3.66	3.60	4.03	2.49	4.13	2.07	1.73	3.71	3.84	29.65
April	4.35	5.17	1.66	2.88	4.63	2.47	2.80	.71	2.93	3.51	31.11
May	3.40	5.90	2.05	3.84	.83	1.77	3.10	4.91	1.74	1.23	28.77
June	6.14	.62	3.20	2.61	3.99	6.14	2.82	4.95	3.50	.95	34.92
July	4.91	5.05	4.05	3.65	2.37	4.94	2.86	5.35	8.08	4.35	45.21
August	7.16	2.61	2.19	3.42	2.13	2.40	1.56	5.15	2.20	2.61	31.43
September	5.07	6.65	3.00	3.17	7.68	6.35	2.09	2.57	1.92	4.69	42.19
October	3.01	8.21	5.84	6.63	11.98	6.51	3.25	12.11	3.18	5.54	66.26
November	7.72	4.62	2.23	3.01	7.65	7.54	2.94	6.40	9.07	8.72	59.90
December	2.94	2.66	0.56	6.73	3.13	5.12	2.54	4.83	3.87	4.16	36.47
TOTALS	56.67	51.38	39.48	44.99	56.32	53.68	37.87	58.37	51.14	44.69	494.50

1940. Temp part set'd 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 from gauge	Direction from gauge	Parish Church.	Distance from gauge

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

## RAINFALL at Marsden (Deer Hill) new.g.

County of West Riding.

Observer J.W. Armitage, Esq., C.E.

River Basin Ouse - Aire - Calder 8.

J.P. Bewridge, Esq., C.E. (1936)

Type of Gauge

42.8

45 (corrected to 1936)

Annual Average 45.0 in. based on 31 years obs. un-weighted. Period of average 1909 - 1935 Ref. S.

660601/26

Diameter	8.										
Height	1.0 ✓										
Altitude	1149.										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	5.82	6.89	3.91	4.43	1.99	4.11	5.44	6.82	5.12	(3.03)	
February	6.05	3.88	6.92	3.5	6.83	2.25	5.25	2.21	4.85	2.38	
March	3.39	3.10	3.55	3.74	2.41	3.90	1.83	1.51	3.50	4.05	
April	4.42	4.87	1.50	2.64	4.48	2.33	2.57	.70	2.79	3.60	
May	3.44	5.71	2.02	3.57	.76	1.76	2.99	4.80	1.75	1.23	
June	6.25	.59	3.14	2.50	3.88	6.09	2.67	4.77	3.34	.99	
July	4.71	5.00	3.94	3.48	2.27	4.32	2.74	5.16	7.82	4.46	
August	7.07	2.48	2.11	3.22	2.07	2.26	1.49	4.99	2.11	2.72	
September	5.01	5.85	2.96	3.07	7.46	6.03	1.98	2.47	1.91	5.07	
October	2.91	8.07	5.67	6.32	11.48	5.91	3.20	11.25	3.17	5.67	
November	7.61	4.47	2.17	2.86	7.27	7.32	2.79	6.17	8.76	8.83	
December	2.82	2.44	0.54	6.56	2.84	4.57	2.52	4.70	3.70	4.59	
TOTALS	56.50	50.15	38.43	42.74	53.74	50.65	35.47	55.55	48.88	46.62	47.973

1940. Jan. part estimated for snow).

47.87

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. 3197

41

## RAINFALL at Marsden (Dear Hill)

County of West Riding

Observer

J. P. Beveridge Esq. C.E.

River Basin Ouse - Aire - Calder = 8

Type of Gauge

45.0 39 11.44 36.48

Annual Average 42.8 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. S

File No. 660601/26

Diameter	8"										
Height	1' 0"										
Altitude	1278'										
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1941-50 Means Total/15
January	(3.61)	4.52	7.22	7.83	4.79	7.05	4.53	11.81	3.74	3.14	5.724
February	6.25	1.42	3.81	2.26	7.25	9.02	(1.41)	4.22	3.86	7.08	46.05
March	4.76	3.32	2.14	.59	1.57	1.93	4.84	2.47	1.93	2.99	28.54
April	2.85	3.04	2.91	3.92	1.96	1.92	5.13	3.13	4.71	4.63	34.20
May	3.22	5.06	3.37	5.04	4.37	2.17	4.12	2.16	3.14	2.98	35.63
June	1.03	1.51	3.67	3.26	6.18	4.19	4.35	5.19	.41	2.40	32.39
July	1.57	4.59	3.51	3.08	2.45	6.17	2.60	2.57	3.23	8.67	33.44
August	8.47	6.54	6.16	4.99	5.09	6.56	.31	5.98	3.54	7.08	54.69
September	.62	3.32	5.26	6.12	3.71	7.85	3.06	3.16	1.65	7.86	42.60
October	5.96	7.73	3.00	5.30	7.05	1.84	1.34	2.92	5.15	3.82	43.81
November	4.15	1.75	4.09	8.75	1.08	10.75	9.16	2.17	8.08	6.90	56.88
December	3.17	4.56	2.91	4.76	3.50	4.74	5.71	3.33	7.94	2.69	47.31
TOTALS	45.66	47.36	48.05	55.90	49.00	64.19	48.56	51.11	48.11	24.84	512.78

1941	Jan. cord for snow.	20004
1947	Feb. para extd for snow	
	40004	

1945. At 45.0 even to two small Hs.

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	Parish Church.	Distance from gauge
2	Gauges loc	31 98	used	2200			

Station No. 3198

## RAINFALL at Marsden (Dear Hill) new gauge

41

County of W. Riding Observer J.P. Bewicke Esq. C.E.  
 River Basin Ouse - Aire - Calder - 8

## Type of Gauge.

Annual Average 45.0 in. based on 39 years obs. un-weighted. Period of average 1881-1915 Ref. 5

File No. 660601/26

Diameter	8"	078	592								
Height	1' 0"		1								
Altitude	1149		41								
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	3.82	5.24	7.58	8.69	5.73	7.11	4.92	11.71	3.09	3.24	
February	6.29	1.69	4.03	2.53	8.26	9.74	(1.59)	4.49	3.70	7.08	
March	5.09	3.62	2.33	.73	1.84	2.18	7.13	2.52	1.82	3.00	
April	3.08	3.12	3.18	4.24	2.36	2.04	5.67	3.13	4.92	4.74	
May	3.31	5.20	3.73	5.61	4.92	8.30	4.21	2.21	3.33	2.96	
June	1.08	1.57	4.00	3.74	6.65	4.35	4.62	5.53	.68	2.02	
July	1.61	4.52	3.73	3.57	2.73	6.15	2.90	2.50	3.24	4.09	
August	8.57	6.71	6.79	5.42	5.45	6.90	3.6	6.33	3.66	7.21	
September	.65	3.52	5.52	6.68	3.88	8.16	3.14	3.33	1.72	7.59	
October	6.04	7.67	3.20	5.94	6.98	1.97	1.59	3.06	5.11	3.81	
November	4.27	1.87	4.51	10.18	1.18	10.66	9.55	2.23	8.32	6.66	
December	3.44	4.91	3.35	6.43	3.66	5.03	6.21	5.42	9.46	2.57	
TOTALS	47.25	49.64	51.95	63.76	53.64	66.59	51.89	52.46	49.05	55.07	

1944 n.p. big. 1945 n.p. big. 1946 n.p. high 2000 ft

1947 Feb part covered by snow

1950 up deck

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.

Station No. 3197

51

## RAINFALL at Marsden (Deer Hill)

County of West Riding - Yorks. Observer J. P. Beveridge Esq. C.E.

River Basin. Ouse - Aire - Calder - S

Type of Gauge. Glassine

Annual Average 45.0 in. based on 39 years obs. May-weighted. Period of average 1881-1915 Ref. S  
" " 51.25 " " 36 " " 1916-50 File No. 660601/26

Diameter	8"											
Height	1' 0"											1' 4"
Altitude	1149'											
Year	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means	
January	5.29	6.65	2.43	4.44	3.63	5.77	5.06	5.26	5.78			
February	3.33	2.03	1.76	3.92	2.51	1.55	3.89	7.37	5.51			
March	6.61	2.89	3.21	3.64	2.97	2.28	4.49	3.29	2.50			
April	3.64	4.21	4.58	.97	2.31	3.57	.61	2.96	5.87			
May	4.08	2.86	2.84	3.98	5.22	1.94	1.44	5.94	2.07			
June	1.37	3.65	5.03	3.94	3.97	3.86	2.45	6.38	2.14			
July	4.09	2.97	7.59	5.48	1.35	7.83	5.60	5.89	3.96			
August	6.78	4.83	5.90	6.77	.98	12.53	5.82	5.42	6.68			
September	2.75	4.45	3.51	6.66	3.28	5.29	7.37	5.74	3.36			
October	1.61	6.87	2.72	8.44	3.44	3.64	6.89	5.37	5.22			
November	10.86	2.72	5.29	8.42	2.45	2.08	3.68	1.24	5.69			
December	9.02	5.31	2.35	7.24	7.29	4.59	5.58	5.89	9.61			
TOTALS	59.43	49.44	47.21	64.23	39.40	54.93	52.88	59.65	44.38			
	M	M					1/2	X P				

INSP MAY 1958. Dry in poor condition. Suggest abandoning. Overhead to W. Snow not melted. Top wall in poor condition. J.B.C.K.

1957 7/2 9 poor.

1958 no ploughing in poor conditions

Position of Station on Ordnance One-Inch map :			No. of Map	102	National Grid Reference	SE 070113
Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Parish Church.	Distance from gauge.
			2 Gauges Lene.	3198 used 1072		

Summary of Earlier Records from 10-year Sheets :

1916-1950, P - Rejected

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

Station No. 3198

51

## RAINFALL at Marsden (Sheffield) bedg.

County of West Riding - Yorks. Observer J. P. Beveridge Esq. C.R.

River Basin Ouse - Aire - Calder - 8

Type of Gauge Snowdrift New 7/58

Annual Average 42.8 in. based on 45 years obs. un-weighted. Period of average 1881-1915 Ref. S.  
(1958)

Now the only gauge.

File No. 666601/26

Diameter	8"	078	592								
Height	1' 0"		1			1" 10"			1' 0"		
Altitude	1149'		51								
Year	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January	5.32	6.42	2.55	4.56	3.78	5.87	5.84	5.26	5.78	7.71	
February	3.85	1.94	1.76	3.93	2.68	1.62	3.91	7.37	.51	4.57	
March	6.94	2.70	3.39	3.48	2.88	2.34	4.89	3.29	2.50	2.26	
April	3.44	4.21	4.85	1.01	2.61	3.61	.67	2.06	5.87	3.17	
May	4.15	2.60	3.08	4.33	5.40	2.38	1.41	5.94	2.07	3.52	
June	1.46	3.60	5.45	4.45	4.44	3.87	2.43	6.38	2.14	2.04	
July	4.44	2.87	7.46	5.49	1.35	8.01	5.41	5.89	3.95	7.21	
August	7.54	4.76	6.00	7.22	1.02	12.23	7.51	5.42	.68	7.50	
September	2.99	4.65	3.63	6.35	3.69	5.30	7.57	5.74	.36	3.58	
October	1.58	6.70	2.87	9.21	4.03	3.83	6.69	5.37	5.22	7.12	
November	10.87	2.72	5.34	8.89	2.62	2.08	3.95	1.24	5.69	8.47	
December	9.01	5.16	2.44	7.90	7.23	4.84	5.43	5.69	9.61	6.29	
TOTALS	61.59	48.33	48.82	67.42	41.73	55.98	55.71	59.65	44.38	63.44	
N.P.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	

1951. n.p. check.

1952. n.p. check.

1953. n.p. check.

1954. n.p. check.

1955. n.p. check.

1956. n.p. check.

inst. MAY 1957. 8000. g. in v. poor condition. New g. required. overcast &amp; w. Turf wall required. Snow malle

1957. n.p. check.

1958. n.p. check. g. in v. poor condition.

1958. New gauge installed 7/58

n.p. gauge overexposed.

An. av. 53.66 in. based on 18 yrs. obs. within 1938-57. g. echo. Period of av. 1916-50. Registered

Position of Station on Ordnance One-Inch map : No. of Map 102 National Grid Reference SE 070 113

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

Summary of Earlier Records from 10-year Sheets :

Record D, or d		1910-19 (3)	1920-30 (3)	1931-40 (3)	1941-50 (3)	1951-60 (3)
		✓	✓	✓	✓ n.p. 44-50	-