

# RAINFALL AT Burnside High Sour Mire

*Lat.* \_\_\_\_\_

Lam.

County of York NR.

NR.

*Rain Gauge, by*

Observer

J. Newson Eq. C<sup>E</sup>

Ouse-Me, I.

## RAINFALL AT Masham Moor High Low Moors

Lat.

Lon.

County of

York &amp; R. N.R.

Rain Gauge, by

Observer J. Newson Eng. Cl.

Date. Dec 1

Diameter .....	8										
Height .....	09										
Altitude .....	884										
Year .....	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January .....	5.79	2.49	1.85	1.53	4.27	3.00	1.19	1.82	2.52	5.33	2.979
February .....	1.53	.11	3.30	4.10	5.49	.96	.65	3.51	2.82	2.57	2.504
March .....	2.92	2.11	1.12	2.07	2.55	2.96	3.89	6.48	2.10	2.16	2.836
April .....	1.66	4.19	1.91	.58	3.28	3.02	1.38	2.43	3.85	3.35	2.565
May .....	2.72	3.30	3.03	2.29	2.34	.48	.69	1.10	2.77	4.24	2.296
June .....	3.68	.90	4.47	2.02	3.72	2.41	3.51	2.99	2.34	1.61	2.765
July .....	1.74	3.80	2.09	2.70	3.47	6.29	2.06	.97	.73	2.81	2.666
August .....	5.23	5.16	3.96	3.17	2.66	2.48	2.17	3.76	3.12	1.61	3.282
September .....	1.88	3.05	2.08	1.65	.86	1.36	7.07	2.76	.89	5.56	2.716
October .....	1.35	3.98	9.61	2.33	6.25	4.08	4.94	2.03	6.01	3.71	4.429
November .....	4.52	4.47	1.74	2.09	2.45	5.51	1.88	2.62	3.11	3.18	3.157
December .....	1.05	5.36	.72	3.81	2.83	3.07	4.74	5.92	3.91	3.44	3.485
TOTALS .....	34.07	38.92	35.88	28.34	40.17	35.62	33.97	36.39	34.17	39.57	35.710

1895 January gauge showed up average rainfall taken for the Valley  
and also the number of days

RAINFALL AT Masham Moor High Force Min  
Lat. .... Lon. .... County of York N.R. H.D.

Rain Gauge, by

Observer. T. Newson Esq. C.E.  
C.G. Hemmings Esq.

line - 1.

Diameter ..	* 5										
Height ..	0 9										
Altitude ..	884 ft										
Year ..	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	2.21	1.32	4.10	3.20	.89	4.04	.96	2.20	1.26		
February ..	1.82	1.66	3.50	4.03	1.46	1.83	1.58	1.87	.92		
March ..	3.26	1.06	5.59	2.43	2.14	1.90	2.41	4.28	1.04		
April ..	2.28	1.52	1.60	2.57	2.58	.49	1.56	2.47	2.65		
May ..	1.69	2.69	5.71	3.70	.58	4.01	4.25	2.45	1.57		
June ..	1.49	1.83	2.70	1.42	1.43	1.17	3.79	2.11	2.87		
July ..	4.75	2.05	3.15	1.97	.45	.80	2.21	2.86	2.28		
August ..	1.76	2.28	3.53	3.35	3.88	2.19	1.50	2.40	3.64		
September ..	1.40	1.78	4.27	.86	2.12	.39	.42	3.55	1.98		
October ..	1.38	3.91	8.69	.66	1.77	6.46	7.33	2.31	2.85		
November ..	4.92	2.33	1.34	2.43	6.07	3.55	2.65	2.09	.69		
December ..	3.95	3.28	2.63	1.70	.95	1.87	3.54	1.29	3.86		
TOTALS ..	30.91	25.71	46.81	28.32	24.32	28.70	32.20	29.88	28.55		

28.1x.06 Inspection note by Dr. Hill. - Casella 5in. modified Bradford, copper, no 8327  
in perfect order, set at 9 in.

Gauge 8 in. much battered, unless, also in the 12 ft enclosure (circular)  
at Low House, in small field at top of steep slope leading to  
river on S. Exposure otherwise favourable.

6 ft. wall (a barn beyond) 20 yds. N.

6 ft. wall 20 yds E. Open to W.

5 in. glass (measme) graduated for 1 in. Same observer  
since Spring 1904 (Notes taken from notebook in

+ Inspected

P.B. 259, now destroyed.)  
n.d. 36. 29.7.94

## RAINFALL AT Masham Moor High Force Mire

Lat.

Lon.

County of

York N.R.

North

Rain Gauge, by

Observer J. Newson Esq. C.R.

C. G. Honzellebagel

Line - 1.

Diameter ..	8										
Height ....	0 9										
Altitude ..	884 ft										
Year ....	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	4.66	2.43	1.40	5.95	5.70	1.75	5.67				
February ..	5.82	1.93	1.72	5.29	5.96	2.47	2.54				
March ..	1.29	3.53	1.12	8.07	3.71	3.20	2.75				
April ..	2.27	2.53	1.69	2.14	3.86	3.62	.66				
May ..	1.99	1.77	2.91	6.23	4.93	.75	4.88				
June ..	3.11	1.78	1.90	3.03	1.83	1.77	1.50				
July ..	1.92	4.75	2.04	3.63	2.68	.55	1.01				
August ..	7.75	1.85	2.50	4.39	4.34	4.94	2.64				
September ..	.97	1.47	1.98	5.63	1.24	2.71	.50				
October ..	5.58	1.45	4.46	11.83	1.33	2.25	8.66				
November ..	4.36	4.98	2.93	1.87	3.51	8.38	4.89				
December ..	4.21	4.10	4.55	4.66	2.46	1.59	2.51				
TOTALS ..	43.93	32.57	29.20	62.72	41.55	33.98	38.21				

Inspection 28.12.06. see previous sheet.

## RAINFALL at Masham Moor High Force Mine

County of N.R. Yorkshire Observer C.G. Henshaw Esq.

River Basin Ouse - One

Rain Gauge, by

Diameter ...	5										
Height .....	0 9										
Altitude ...	884 ft										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	3.68	1.58	3.64	3.24	2.22	5.46	2.53	2.51	2.73	4.00	
February ...	2.35	2.02	1.96	3.08	3.42	4.45	3.98	.91	4.50	2.48	
March .....	.36	2.08	4.29	6.22	2.03	.88	4.71	2.21	1.52	4.01	
April .....	3.42	1.15	.31	3.51	1.35	1.12	1.09	1.69	.78	1.78	
May .....	2.19	1.07	2.97	2.39	2.03	1.81	2.82	2.21	2.64	1.40	
June .....	2.12	2.80	6.95	1.92	2.60	.81	1.80	1.90	.68	.94	
July .....	2.60	.26	3.54	1.57	2.55	4.68	2.02	1.44	4.88	2.87	
August .....	4.12	2.30	7.13	1.26	.85	3.48	2.11	7.62	2.62	2.59	
September ..	.28	2.42	2.08	2.02	1.34	.47	2.97	1.29	7.38	.95	
October ...	4.44	2.28	3.41	2.86	1.87	1.39	7.11	5.11	2.92	4.50	
November ...	3.25	5.51	2.55	3.11	3.49	2.03	4.33	2.25	2.04	3.56	
December ...	3.74	4.88	4.08	1.98	6.61	7.45	2.53	1.80	5.46	4.12	
TOTALS ...	32.55	28.35	42.91	33.16	30.36	34.03	38.00	30.94	38.05	33.20	

+ Inspected

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

## RAINFALL at Masham Moor High Sour Mire

County of N. R. Yorkshire

Observer C. G. Hengell Esq. C.E.

River Basin Case No. 1

(1925) H. Shorthead Esq. C.E.

Rain Gauge, by

{ Feasible.

W.

Diameter ...	5"									MEANS.
Height .....	0.9									
Altitude .....	884									
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929
January ...	3.55	4.91	3.95	1.87	2.94	3.85	4.39	1.51	7.52	1.09
February ...	1.90	1.11	3.24	5.38	1.70	3.90	2.83	1.75	4.18	1.76
March .....	3.22	1.54	2.51	1.39	1.32	1.93	1.56	1.50	2.36	1.31
April .....	5.19	7.8	2.99	2.30	1.38	3.09	1.21	1.40	1.88	1.42
May .....	2.83	1.23	1.92	2.14	5.15	3.50	1.77	1.68	2.84	2.43
June .....	1.01	1.82	1.15	1.50	1.24	1.08	3.13	2.31	5.39	1.49
July .....	5.39	2.80	4.60	2.66	4.18	1.17	2.40	4.79	6.8	2.16
August .....	1.03	3.12	3.26	3.47	2.47	2.48	1.84	7.15	4.24	3.85
September...	1.90	1.45	4.21	2.22	3.82	1.99	2.38	3.27	1.50	1.26
October.....	3.40	1.48	1.06	2.56	4.12	3.50	2.67	5.22	6.06	4.08
November...	2.01	2.24	1.03	4.40	2.12	1.71	4.74	4.27	5.54	3.85
December...	3.94	4.92	4.05	2.49	4.22	4.82	1.89	3.10	2.25	10.63
TOTALS...	34.37	26.10	32.97	31.38	33.66	31.02	28.87	36.95	44.44	34.33
					W.		W.	W.	W.	W.

*4.VII.23* The observer told me that gauge was rather overexposed as it faced S.W. on gently rising ground.

1926. N. E. - low.

1927. - " - " 1928. Lying 5'6" high. 12'8" W.S.W. from gauge erected 8/27.

1928

Position of Station on reduced Ordnance Survey Map, 2 miles to 1 inch Series				No. of Map	Reference No.
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Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge	Direction

## RAINFALL at Masham Moor (High Sour Mire).

County of North Riding,

Observer H. Shortreed, Esq., F.R.E.

River Basin Ouse - Ure - 1.

Vicar Fenwick, Esq., C.E. (1929)

Type of Gauge.

Annual Average 2.5 in. based on 20 years obs. un-weighted. Period of average 1881-1915 Ref. S  
 Rejected from B.R. 1924 as too low.

780902/27

Diameter	5.											
Height	0.9.											
Altitude	984.											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Mean	Total
January	1.86	3.90	2.40	3.06	1.65	4.81	2.96	(5.80)	7.24	2.74	38.42	
February	3.96	6.65	5.26	3.7	5.16	2.72	5.29	1.74	2.60	2.87	30.62	
March	8.82	1.67	2.40	3.67	1.29	3.89	3.49	2.7	3.05	1.82	22.81	
April	4.00	3.29	1.35	4.18	2.96	1.78	4.03	1.10	1.34	2.42	25.45	
May	3.77	7.48	3.25	2.33	.97	2.36	3.31	2.59	.96	1.82	28.84	
June	5.41	6.20	1.31	1.51	3.15	5.26	1.68	(3.20)	2.14	3.8	26.24	
July	3.05	(3.63)	3.58	1.13	.46	4.03	2.88	4.54	3.29	4.36	30.95	
August	4.21	1.31	.46	2.93	1.18	2.57	1.84	4.05	2.31	.62	21.48	
September	4.87	2.48	2.37	2.60	6.16	2.45	1.72	1.98	1.33	2.11	28.07	
October	1.54	5.41	3.57	4.29	4.73	1.71	3.14	7.03	3.62	4.14	39.18	
November	5.42	2.36	3.50	3.67	7.34	5.02	1.74	3.07	4.31	4.58	41.01	
December	2.15	2.68	.83	6.30	3.29	3.68	3.64	2.79	2.84	2.58	30.78	
TOTALS	41.06	87.06	30.28	36.04	38.34	40.28	37.72	37.16	25.03	30.44	363.41	
						W	W					

1932. June + July adjusted by near stations.  
 1938 Jan + July esrd. from surrounding sbs.

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	Parish Church.	Distance from gauge

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

Station No. T.F. 3411

RAINFALL at Marsham Moon (High Saxon Mine).

41

County of North Riding  
 River Basin Ouse  
 Type of Gauge

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

File No. 7.89.90.2.127

Diameter	5"	049	299								
Height	o' 9"		1								
Altitude	884'		41								
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	4.47	3.60	5.03	3.26	5.00	8.67	3.63	8.66	1.59	1.91	40.82
February	7.25	2.18	2.07	2.03	4.20	3.07	5.51	2.49	2.34	6.15	37.29
March	4.42	3.08	1.22	4.1	1.04	1.94	7.23	1.87	1.30	1.77	24.28
April	2.68	1.81	2.04	2.11	2.10	2.42	5.64	3.00	3.64	2.98	28.40
May	(1.92)	2.45	2.89	1.29	3.99	1.14	3.16	1.39	1.29	2.18	24.70
June	1.02	1.13	2.59	2.36	3.67	2.56	3.66	4.30	.71	1.28	23.28
July	1.36	2.55	1.33	2.72	2.60	3.04	1.91	.97	2.12	3.07	21.73
August	2.34	2.96	3.80	1.96	4.06	6.65	.50	4.75	2.69	5.40	35.11
September	2.6	1.57	4.85	6.86	2.35	6.82	2.30	2.17	2.40	4.71	33.79
October	4.24	2.67	2.00	4.97	6.64	3.52	.53	1.19	4.27	1.74	30.80
November	2.89	1.41	2.31	7.96	1.12	8.11	4.94	1.18	5.24	5.88	41.33
December	1.68	3.01	2.14	4.07	2.68	3.17	3.28	4.07	5.16	2.06	31.82
TOTALS	34.55 W	28.42 W	32.27 W	39.50 W	39.45 W	48.39 W	42.35 W	36.04 W	32.75 W	39.13 W	372.85

1941 may be total day by ref to nearby stns.  
 102004

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

Station No. 3411

SF 41

## RAINFALL at Masham Moor (High Clowthwaite)

County of North Riding - Yorks

Observer

K. L. Horster Eng. C.E.

River Basin Ouse - Ure - 1

Type of Gauge H.O.

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

" " 39.87 " 13 " within 1944-57 " 1946-50

Ref. S

E 23380/58

File No. 780/62/27

Diameter	5"	049299								Means
Height	0'9"		1						1'0"	
Altitude	884'		57							
Year	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960
January	3.45	2.53	.69	3.03	2.79	4.91	4.14	3.82	3.94	5.81
February	3.74	.91	3.25	2.91	2.21	2.44	3.60	6.79	.23	4.44
March	4.59	2.15	.54	2.20	2.39	1.77	2.15	2.75	2.62	3.17
April	2.91	1.77	3.04	.78	.95	2.20	.40	.97	4.26	2.01
May	8.53	1.84	2.71	5.11	3.47	.71	1.78	5.72	1.23	1.39
June	1.33	1.16	4.25	2.46	2.60	2.83	1.49	3.93	1.48	1.20
July	1.61	1.47	3.30	2.30	1.05	5.73	3.86	3.65	1.71	4.61
August	5.28	3.18	3.46	6.55	1.62	7.95	6.64	3.83	.90	3.25
September	2.26	5.06	2.83	3.64	1.88	4.17	4.04	3.54	.18	4.07
October	2.54	4.55	2.59	7.29	2.06	2.47	4.43	3.09	4.16	8.02
November	9.44	2.73	2.69	7.74	2.99	.84	2.17	.94	6.05	6.54
December	5.44	2.64	2.07	4.33	5.36	4.48	3.77	5.41	8.37	5.40
TOTALS	51.12	29.99	31.42	48.34	29.38	40.50	38.47	44.64	35.13	49.91
	W	W	W	W	W	W	W	W	W	W
					7x					

July 1958 f. 60K. A round, dry, infertile E-S-W hill with fair turf wall

Q(413)

## Turf-wall

Position of Station on Ordnance One-Inch map : No. of Map ..... National Grid Reference SE 143790

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

Summary of Earlier Records from 10-year Sheets :

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