

RAINFALL AT *Masham Moor High Low Moor*

Lat. _____

Lon. _____

County of *York W.R. N.R.*

Rain Gauge, by _____

Observer *J Hewson Esq CL.*

Use. No. 1

Diameter	8											
Height	0 9											
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	3.232	
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	2.23	1.25	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	3.137	
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 covered up average rainfall taken for the valley and also the number of days

RAINFALL AT *Masham Moor High Lons Mine*
 Lat. Lon. County of *York N.R. H.L.*
 Rain Gauge, by Observer *J. Hewson Esq. C.E.*
use - 1. *C. G. Hensyell Esq. C.E.*

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	1.20	
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	4.04	
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	

28.12.06 Inspection note by Dr. Vell. - Casella 5in. modified Bradford, copper, no 8327
 in perfect order, set at 9in.
 glauish 8in. much battered, useless, also in the 12ft enclosure (circular)
 as at Cross House, in small field at top of steep slope leading to
 ruin on S. Exposure otherwise favourable.
 6ft. wall (& barn beyond) 20yds. N.
 6ft wall 20yds E - Open to W.
 5 in. glass (measures) graduated for 1 in. Same observer
 since Spring 1904 (Notes taken from notebook in
 P.B. 259, now destroyed. -
 M.D. 36. 29.7.44
 + Inspected

RAINFALL AT *Masham Moss High Lane Moss*

Lat. Lon. County of *York N.R. Doncaster*
 Rain Gauge, by Observer *J. Newton Esq. Ch.*
un-1. *C. & Honyell Esq. Ch.*

Diameter ..	8										
Height	0 9										
Altitude ..	584 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 Low MoireCounty of N. R. YorkshireObserver C. G. Hengelly C.E.River Basin Ouse - Ure 1

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 ...	2.25	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	.88	.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 Low MineCounty of N. R. YorkshireObserver C. G. Hengell Esq. C.E.River Basin Guse Ure 1(1925) H. Shortland Esq. C.E.

Rain Gauge, by

Leds W.S.W.

Diameter ...	5"										
Height	0.9										
Altitude ...	884										
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEANS.
January ...	3.55	4.91	3.95	1.87	2.94	3.85	4.39	1.51	7.52	1.09	6.09
February ...	1.90	11	3.24	5.38	70	3.90	2.82	75	4.78	1.76	1.95
March	3.22	1.54	2.51	1.39	1.32	.93	.56	1.50	2.36	.31	3.34
April	5.19	78	2.99	2.30	1.38	3.09	1.21	1.40	1.88	1.42	4.20
May	2.83	1.23	.92	2.14	5.15	3.50	1.77	1.68	2.84	2.43	1.22
June	1.01	.52	1.15	.50	1.24	.08	3.13	2.31	5.39	1.49	1.88
July	5.39	2.80	4.60	2.66	4.18	1.17	2.46	4.79	.68	2.16	6.20
August	1.03	3.52	3.26	3.47	2.47	2.48	1.84	7.15	4.24	3.25	5.31
September...	.90	1.45	4.21	2.22	3.82	1.99	2.38	3.27	1.50	1.26	5.76
October	3.40	1.48	1.06	2.56	4.12	3.50	2.67	5.22	6.06	4.08	4.74
November...	2.01	2.24	1.03	4.40	2.12	1.71	4.74	4.27	5.54	3.85	4.20
December...	3.94	4.92	4.05	2.49	4.22	4.82	.89	3.10	2.25	10.63	3.82
TOTALS...	34.37	26.10	32.97	31.38	33.66	31.02	28.87	36.95	44.44	34.33	48.71

Range

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

1926. H. P. - low.

1927. " " "

1928. " " "

1928. Screen 3'6" high. 12'8" W.S.W. from gauge erected 8/27.

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 Masham Moor (High Sour Mine)County of North Riding,Observer H. Shortreed, Esq., C.E.River Basin Duse - Ure - 1.W. L. Farnley Esq., C.E. (1929)

Type of Gauge.....

Annual Average 28.8 in. based on 26 years obs. un-weighted. Period of average 1891-1915 Ref. 5
Rejected from B.R. 1924 as too low. 78090227

Diameter	5.											
Height	0.9.											
Altitude	984.											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	
January	1.86	3.90	2.40	3.06	1.65	4.81	4.96	(5.80)	7.24	2.74	38.40	
February	3.96	.65	5.26	.37	5.16	2.72	5.29	1.74	2.60	2.87	30.62	
March	.82	1.67	2.40	3.67	1.29	3.89	3.49	.27	3.05	1.82	22.57	
April	4.00	3.29	1.35	4.18	2.96	1.78	4.03	.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	.38	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	37.06	30.28	36.04	38.34	40.28	37.72	37.16	35.03	30.44	363.41	

1932. June & July adjusted by new station
 1938 Jan. & July exclud. from surrounding stns.

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. T.F. 3411

RAINFALL at Masham Moor (High Sander Mine)

41

County of North Riding Observer K. L. Foster Esq. CERiver Basin Ouse - Ure

Type of Gauge

Annual Average in. based on years obs. un-weighted. Period of average 1881-1915 Ref. SFile No. 7.89.902/27

Diameter	5"										
Height	0' 9"										
Altitude	884'										
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means Total
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	1.23	3.99	3.14	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	1.97	.97	2.12	3.07	21.73
August	2.34	2.96	3.80	1.36	4.06	6.65	.50	4.75	2.69	5.40	35.11
September	.26	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	2.98	1.41	2.31	7.36	1.12	8.41	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	31.32
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 total day by ref. to nearby stns.

02004

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. 3411

IF 41

RAINFALL at 8 Masham Moor (High Four here)

51

County of North Riding - YorksObserver H. L. Forster Esq. C.E.River Basin Cuse - Ure - 1Type of Gauge H.O.Annual Average in based on years obs. un-weighted. Period of average 1916-58 Ref. E 23380
" " 39-87 " 13 " within 1944-57 " 1916-58 File No. 780/62/27

Diameter ...	5"										
Height ...	0'9"							1'0"			
Altitude ...	884'										
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	3.45	2.53	.69	3.03	2.79	4.91	4.14	3.82	3.94	5.81	35.11
February ...	3.74	.91	3.25	2.91	2.21	2.44	3.60	6.79	.23	4.44	30.52
March ...	4.59	2.15	.54	2.20	2.39	1.77	2.15	2.75	2.62	3.17	24.83
April ...	2.91	1.77	3.04	.78	.95	2.20	.40	.97	4.26	2.01	19.29
May ...	8.53	1.84	2.71	5.11	3.47	.71	1.78	5.72	1.23	1.39	32.49
June ...	1.33	1.16	4.25	2.46	2.60	1.83	1.49	3.93	1.48	1.20	22.73
July ...	1.61	1.47	3.30	2.30	1.05	5.73	3.86	3.65	1.71	4.61	29.29
August ...	5.28	3.18	3.46	6.55	1.62	7.95	6.64	3.83	.90	3.25	42.66
September ...	2.26	5.06	2.83	3.64	1.88	4.17	4.04	3.54	.18	4.07	31.67
October ...	2.54	4.55	2.59	7.29	2.06	2.47	4.43	3.09	4.16	6.02	41.20
November ...	9.44	2.73	2.69	7.74	2.99	.84	2.17	.94	6.05	6.54	42.13
December ...	5.44	2.64	2.07	4.33	5.36	4.48	3.77	5.41	8.37	5.40	47.27
TOTALS ...	51.12	29.99	31.42	48.34	29.38	40.50	38.47	44.44	35.13	49.91	398.69
	W	W	W	W	W	W	W	W	W	W	

High 1955 16.0K. 4 rounds. One in peak E-S-W but with fair turf wall

Q 473

8 Turf wall

Position of Station on Ordnance One-Inch map : No. of Map National Grid Reference SE143770

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

Summary of Earlier Records from 10-year Sheets :

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