

# RAINFALL at

Loxley Valley <sup>(Embsay Moor)</sup> Mortimer No N. 245

10  
312.6

County of W.R. Yorkshire

Observer L. S. M. Marsh Esq. Cl.

River Basin Don - Don

Sunder Rain Gauge, by Coallan

Diameter ...	5										
Height .....	10										
Altitude ...	506 ft										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1916-19 Mean Totals
January ...	1.13	5.98	3.96	2.68	5.60	2.52	2.78	3.29	4.94	13.53	
February ...	4.11	2.02	1.35	2.50	4.95	8.06	.65	3.45	2.64	14.80	
March .....	2.09	4.15	4.29	3.93	1.42	7.27	2.67	1.71	6.39	18.04	
April .....	2.40	.92	3.61	1.66	1.56	2.33	2.29	1.75	2.22	8.59	
May .....	1.07	4.59	3.09	1.91	1.88	2.76	1.99	2.58	1.59	8.92	
June .....	2.83	4.01	1.31	4.68	1.66	3.28	2.07	1.14	.95	7.24	
July .....	.21	7.31	1.64	2.64	5.14	1.74	1.37	3.01	4.19	10.31	
August .....	2.50	7.89	1.62	1.65	3.17	1.24	6.11	1.56	3.78	12.69	
September ..	2.38	1.83	3.59	2.93	.73	1.60	1.47	9.19	2.91	15.17	
October ...	3.19	3.70	5.45	3.85	2.54	5.34	5.14	2.72	4.46	17.66	
November ..	5.30	2.34	3.76	6.03	4.18	5.13	3.48	1.75	3.18	13.54	
December ...	6.00	5.60	2.43	7.79	8.62	3.42	2.24	7.24	6.36	19.26	
TOTALS ...	33.21	50.34	36.10	42.15	41.45	44.69	32.26	39.39	43.41	159.75	

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
			<u>Oughthorpe</u>	<u>4 1/2 m</u>	<u>650° E</u>	<u>Bradfield</u>	<u>7/8 m</u>	<u>37° 59° E</u>

RAINFALL at Loxley Valley Mortimer HouseCounty of H.B. YorkshireObserver L. J. M. Marsh Esq. G.C.River Basin Guse-DowS.H. Stedley C.E. (1924)Snowdon Rain Gauge, by Lasella  
snow melting  $\left. \begin{array}{l} 3.00 \\ 5.00 \\ 5.00 \end{array} \right\}$ Water Eng. S. H. Stedley

Diameter ...	5"											
Height .....	10											
Altitude ...	1036		998									
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 Means	1920-30 Totals
January ...	5.71	6.95	5.50	3.75	2.87	5.19	6.81	3.45	12.26	1.97	6.73	60.19
February ...	4.28	3.9	4.66	7.28	2.33	6.59	3.58	1.71	7.58	.76	1.44	40.60
March .....	3.13	3.49	3.14	2.40	1.24	2.13	2.89	5.25	8.50	.55	3.70	31.42
April .....	6.27	1.54	5.06	2.99	2.62	4.30	2.33	5.84	1.97	1.80	4.18	38.90
May .....	4.93	1.60	1.09	5.01	4.91	4.21	3.75	2.01	1.90	2.57	2.97	34.95
June .....	4.24	.43	1.94	1.09	2.06	.11	3.72	5.16	4.57	1.76	3.07	28.15
July .....	6.61	1.44	4.37	3.42	3.88	2.01	4.32	2.85	1.58	2.38	7.73	40.37
August .....	1.91	6.01	7.89	3.81	4.45	2.90	3.85	4.37	3.54	3.51	4.33	46.57
September...	1.61	.77	4.09	3.80	4.50	3.63	2.26	5.73	.60	1.80	5.42	34.21
October .....	2.48	3.08	1.46	3.59	5.77	5.09	5.31	4.87	6.14	5.65	5.82	49.26
November...	1.89	2.37	2.79	7.22	3.19	3.56	6.75	6.08	8.61	9.12	5.42	56.00
December...	4.48	7.23	4.94	3.93	4.24	6.60	2.82	3.94	3.08	10.66	3.72	55.64
TOTALS...	47.54	35.30	46.93	48.29	42.06	46.32	46.39	51.26	55.13	42.53	54.53	516.28

Inspected C.S. 26.9.22 On open hill-side sloping gradually to east.  
 Road rising to W & a little to N. S. surrounded by heather. Probably quite  
 good site. 1922: Waze 5 1/2' high 135' W.

XII/30 Inspected very good site. see green file.

Position of Station on reduced Ordnance Survey } 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
	53° 26' 12"	1° 37' 41"	Bugthorpe	2 1/2 mi	6° S of E	Bradfield	1 1/2 mi	3° S of E

RAINFALL at Loxley V. (Emlin Moor)County of West RidingObserver Sheffield Corpn. W.W.River Basin Ouse-Don-7

Type of Gauge

Annual Average 41.3 in. based on 19 years obs. un-weighted. Period of average 1881-1915 Ref. 5

660609/26

Diameter	5.										
Height	1.0.										
Altitude	998.										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1931-40 Means Totals
January	7.66	4.86	3.28	4.65	3.08	4.82	7.05	6.32	7.21	(4.52)	53.47
February	6.09	.80	7.73	.38	7.69	4.49	8.22	3.39	3.39	(3.47)	45.65
March	.37	3.39	3.39	4.64	2.00	3.87	4.19	1.00	4.03	3.52	30.40
April	5.97	5.65	1.53	3.11	3.52	2.29	3.00	.36	3.00	3.90	32.33
May	3.04	7.49	2.09	2.41	.67	1.72	3.67	3.26	2.81	1.25	28.41
June	5.59	.74	2.51	1.39	4.58	4.25	.99	2.91	3.07	.72	26.75
July	4.74	5.05	2.94	2.43	1.99	3.52	3.71	4.40	7.03	3.02	38.83
August	7.39	2.60	0.75	2.11	2.38	1.66	1.11	3.05	2.57	.98	24.60
September	5.46	2.89	2.24	3.49	5.91	5.69	1.58	3.37	2.31	3.34	36.28
October	1.72	7.18	6.24	4.97	9.46	5.28	3.93	9.13	4.48	5.19	57.58
November	5.33	4.62	2.64	2.95	8.10	5.94	2.52	6.05	8.70	10.10	56.95
December	2.41	2.19	0.69	5.69	4.92	5.35	4.81	4.55	4.08	4.92	39.61
TOTALS	55.77	47.48	36.05	38.22	54.30	48.88	44.78	47.79	52.68	44.93	470.86

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

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



Station No. 31ab.T.F.

RAINFALL at Loxley Valley (Embsay Moor)

41

County of West Riding Yorkshire Observer Sheffield Cooper W.W.River Basin Cuse DonType of Gauge StandardAnnual Average 11.2 in. based on 19 years obs. ~~un~~-weighted. Period of average 1881-1915 Ref. 8File No. bbaboa/ab

Diameter	5"			082	311						
Height	1'0"				1			1'0"		1'0"	
Altitude	998'				41						
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1941-50 Means Totals
January	4.86	3.83	5.80	6.99	4.64	6.42	(4.25)	9.58	2.54	2.26	51.21
February	(5.60)	1.74	3.76	2.59	5.49	6.79	(3.93)	(3.73)	2.65	(7.20)	43.53
March	6.43	(2.79)	1.86	.69	1.18	2.05	(7.19)	1.71	1.46	1.87	27.23
April	2.82	2.28	3.17	3.05	2.67	2.12	4.21	2.40	3.96	8.11	31.79
May	3.58	4.53	3.25	4.16	4.45	2.82	2.81	1.68	2.69	2.80	32.33
June	.77	1.22	2.49	2.47	4.03	6.03	3.11	5.90	.64	1.39	28.05
July	3.57	3.79	1.78	3.28	2.03	3.40	2.43	1.44	3.98	2.38	27.99
August	4.76	4.23	4.08	3.36	3.34	4.61	.44	5.70	2.46	3.89	36.87
September	.37	2.32	4.71	5.24	2.02	6.43	1.52	2.45	1.54	6.67	32.27
October	5.70	5.02	2.45	4.62	7.43	1.90	.82	2.07	4.07	2.06	36.14
November	4.60	1.92	4.08	8.41	.69	8.94	5.46	1.78	7.45	7.88	50.91
December	2.43	3.73	2.33	4.60	3.26	4.45	5.03	4.31	8.66	2.19	40.99
TOTALS	45.48	37.43	39.76	49.46	41.23	55.96	41.20	42.75	42.10	48.94	439.31

1941 Feb. sat'd. by observer.

1942 March "

1947 Jan. Feb. max. used for snow by observer.

1.6.49. gauge tested. fence to be replaced otherwise g. is sound.

1950 gauge inspected 7/6/50 S.W.W. gauge OK. New fence.

20004 10004

70004 20004

20004

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

County of Yorks W.R. Observer Sheffield Corbin W.W.

River Basin..... 7 - Onse - Don

Type of Gauge..... ~~Standard~~ Bradford .....

Annual Average 44.3 in. based on 19 years obs. un-weighted. Period of average 1881-1915 Ref. 5  
 " " 44.94 " " 25 " " within 1981-57 " " 1916-50 " " 8  
 File No. 660.609.126

Diameter	...	5'	5'	0.82	3.11							
Height	...	1' 0"	1' 0"		1							
Altitude	...	998'			51							
Year	...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means Totals
January	...	4.80	5.49	1.65	4.35	3.40	(7.25)	3.41	5.63	(4.37)	6.46	46.81
February	...	4.29	1.67	(2.50)	(3.40)	(3.34)	1.62	3.55	(6.55)	.22	(3.10)	30.69
March	...	5.71	2.37	2.75	2.93	3.68	2.31	3.68	2.78	1.88	2.67	30.76
April	...	2.28	2.12	3.04	.58	1.16	2.74	.29	1.34	4.48	2.67	20.70
May	...	4.27	2.86	2.88	5.20	4.34	.93	1.52	3.88	1.07	1.96	28.91
June	...	1.14	2.22	2.65	2.39	3.49	4.07	1.92	5.20	1.90	1.65	26.63
July	...	1.88	1.78	3.53	2.25	1.24	8.65	3.45	5.77	2.37	5.01	36.93
August	...	4.61	2.97	3.98	7.68	.97	7.31	7.00	2.85	1.58	3.84	42.79
September	...	2.01	5.59	1.81	4.08	1.62	4.19	5.26	3.91	.06	4.46	32.99
October	...	1.02	7.16	2.01	6.26	3.13	2.71	3.78	3.71	3.82	8.95	42.65
November	...	10.53	3.24	3.20	7.71	2.43	2.39	3.03	1.03	5.52	6.10	45.18
December	...	6.88	3.87	1.63	7.29	5.97	(5.62)	5.16	4.92	7.21	5.20	53.75
TOTALS	...	49.42	41.34	31.63	55.62	34.82	49.79	42.05	47.57	34.48	52.07	438.79

1951 July. d 13 v. by S. Hoffmann w.w. Pteris fontana  
1952 Aug. 10 v. h. Hoffmann Conf. n. 1500. S. Hoffmann  
1953 Feb. est. engineer.  
'75 II 1958 J.B.O.K. g. young. Site slightly over-improved SW-E-N

2000 4	2000 4	2000 4	4000 4
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20004	40004	20004
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(43)

Position of Station on Ordnance One-Inch map : No. of Map 102 National Grid Reference SK 247934

[illegible]

*Summary of Earlier Records from 10-year Sheets :*

1916-1950, P - Rejected

	1910-19	1920-30	1931-40	1941-50	1951-60
Record D, or d	C 1911	✓	✓	✓	