

RAINFALL at Mandale, Low Raise

County of Westmoreland

Observer L Holme Lewis

River Basin Eden - 1

Manchester Corporation W.W.

Rain Gauge, by

Diameter ...								5			
Height								1			
Altitude ...								2465			
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1930: MEANS.	
January ...								9.80	23.80	2.80	13.66
February ...								7.20	10.43	2.85	.89
March								8.70	11.03	1.40	4.20
April.....								4.56	3.00	2.21	4.14
May								4.50	1.67	7.32	2.70
June								7.60	13.36	3.53	4.08
July								8.15	7.65	2.50	5.21
August								10.70	14.00	10.90	13.20
September...								11.00	7.20	8.90	6.71
October.....								15.15	24.60	12.40	17.52
November...								12.09	18.70	17.80	9.80
December...								2.25	6.65	14.30	9.63
TOTALS...								101.70	142.09	98.61	91.78

Rejected from Survey : 7° too low

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 from gauge	Parish Church.	Distance from gauge	Direction from gauge

M 3670
T.F. 31

RAINFALL at Mardale (Low Raise)

County of Westmorland, Observer Manchester Corp. W.W.,

River Basin.....Eden - I.

Type of Gauge.....

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

Ref.

660604/26

Diameter	5.									
Height	1.0.									
Altitude	2465.									
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940 Means
January	6.90	15.75	13.55	15.43	4.80	13.25	13.77	12.40	12.90	2.38
February	6.40	.78	7.75	.59	12.78	5.04	14.60	4.65	10.15	2.45
March	1.55	6.12	5.82	6.81	2.63	6.25	4.00	7.65	5.63	9.28
April	3.66	9.47	3.72	7.46	6.21	2.89	7.54	.60	4.58	2.65
May	6.65	5.55	3.98	8.25	.65	2.23	3.13	6.10	1.34	2.55
June	10.45	5.70	2.97	4.24	8.65	5.90	2.77	9.75	4.30	1.33
July	7.32	9.80	7.26	2.96	3.86	8.95	4.50	13.20	10.55	8.94
August	7.27	2.85	6.25	9.57	3.60	3.80	3.80	4.12	3.89	2.81
September	5.20	9.60	3.54	13.85	13.70	10.57	8.30	6.20	3.40	7.52
October	7.65	20.00	8.40	18.00	16.45	6.56	3.90	21.18	5.50	12.78
November	21.30	6.17	4.90	2.39	9.55	8.25	1.30	12.10	10.40	9.50
December	9.90	14.30	.67	17.79	5.40	18.50	4.05	7.22	3.54	7.50
TOTALS	94.25	105.49	68.81	107.34	87.78	92.19	71.66	105.07	74.18	69.39

Surf wall set up in January 1980. Enc 87A

Printed in 3d. with footnote "Luf wall sound gauge"

The Council has suggested an average of 91.4 in for this station but this value is considered too low for inclusion in British Rainfall.

Good pair to 1932 rejected as too small.

Position of Station on reduced Ordnance Survey Map. No. of Map..... Reference No.
1 mile to 1 inch Series

Station No. T.E. M. 3670

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RAINFALL at ⁵Mardale (Low Raise.)

County of Westmorland

Observer Manchester Corp. W.W.

River Basin Eden - 1

Type of Gauge.

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

File No. 66066126 196738/3

Diameter	5"			601	573						
Height	1' 0"				1						
Altitude	2465				41						
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	2.63	11.00	17.48	16.77	8.00	15.73	13.45	15.31	(1.50)	8.93	
February	7.38	3.37	8.68	2.95	9.50	(6.00)	(2.50)	3.62	(9.00)	13.55	
March	3.57	9.57	4.10	1.19	8.12	(6.50)	(9.50)	7.83	(2.50)	(6.83)	
April	3.05	7.14	7.72	5.45	4.43	(2.50)	12.26	4.38	(3.00)	(4.84)	
May	5.05	9.35	(8.45)	3.80	7.15	1.75	(4.70)	8.85	4.46	(3.29)	
June	.29	1.33	8.76	8.40	5.60	5.92	4.51	5.74	1.69	4.25	
July	2.65	5.73	(5.05)	5.50	5.50	4.51	(5.30)	3.65	4.30	8.45	
August	12.52	10.50	13.62	3.78	2.86	6.06	(2.20)	10.05	4.96	16.23	
September	2.06	11.93	10.30	8.32	8.64	17.05	(7.00)	2.28	(21.10)		
October	9.80	9.80	15.62	8.24	12.10	.93	(1.87)	19.36	(10.22)		
November	7.25	2.50	5.49	20.32	.59	9.90	10.30	16.58	7.53		
December	5.08	13.08	6.30	7.05	7.10	7.46	2.27	16.50	(4.00)		
TOTALS	61.33	95.20	111.51	91.77	79.59	(84.31)	(73.86)	NP	(42.13)	(109.32)	

⁵Turf wall round gauge

34004 32744

74004 16154

1943 May part est July amended Oct 20 accept gauge moved short distance 1/2/43. Less likelihood of interference

1946 - p. low. Feb-April part est bl.

1947 Jan part est now. Feb-April est. now. May & July-October adjusted. NP low.

Turf wall breached. Repaired 4/48.

1950 Mar Apr May part est. Dec part est. light - but apportioned. NP too much esti

03404

Position of Station on reduced Ordnance Survey Map, | No. of Map Reference No.

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

Station No. 3670 G-39

RAINFALL at Mardale (Low Raise)

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County of Westmorland

Observer Manchester Corp. W.W.

River Basin Eden

Type of Gauge Bradford [or inspect.]

Annual Average 101.7 in. based on 4 years obs. un-weighted. Period of average 1881-1915
" " 111.73 " 6 " 1952-57 " 1916-50

Ref. P.B. 653

File No. 19675/57 1220134/50

Diameter ...	5"				601	273					
Height ...	1' 0"						1				
Altitude ...	2465'						51				
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January	(8.50)	(8.00)	4.90	(8.70)	10.20	6.20	20.75	13.04	8.90	15.73	
February	(9.80)	2.95	3.24	(7.90)	3.30	1.20	10.97	11.90	4.12	16.03	
March	(6.00)	6.50	1.80	7.90	3.44	4.00	10.83	2.65	9.49	2.95	
April	(7.50)	7.75	6.00	1.50	3.60	2.30	2.35	3.96	10.03	11.42	
May	2.77	5.25	5.30	7.00	10.20	5.90	5.65	9.94	2.38	4.03	
June	3.98	6.54	6.45	11.20	6.60	6.20	2.65	7.46	6.56	6.41	
July	5.10	4.95	14.40	7.54	3.90	8.80	5.85	7.28	9.46	9.41	
August	9.00	11.80	9.55	11.26	4.10	12.20	(10.93)	8.45	1.79	5.75	
September	(14.00)	10.50	14.05	22.90	6.20	9.30	11.96	11.93	1.70	6.02	
October	(11.60)	13.50	6.60	26.60	7.90	10.65	12.16	11.42	11.15	7.92	
November	(20.00)	5.60	17.10	21.00	6.50	3.90	5.16	1.87	15.60	19.93	
December	(18.00)	6.78	7.60	9.50	16.50	17.00	11.91	10.12	24.34	16.42	
TOTALS ...	106.25	90.12	96.99	143.00	82.44	87.65	111.17	100.02	105.52	120.02	
	NP	M	M	H	H	H	M	M	M	M	

1951 NP too much estimation.

00204

1954 Jan. Mean app

1955 Feb. and est. snow 10.35

60004

Mar. and est. snow 10.05

Inspected July 1956 M. Decks. Gauge sound. Site off w slightly.

74174 40004

§ Turf wall.

Position of Station on Ordnance One-Inch map : No. of Map S. 3 National Grid Reference 35/6554137

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Parish Church.	Distance from gauge.
					10 -	

Summary of Earlier Records from 10-year Sheets :

Record D, or d		1910-19	1920-30	1931-40	1941-50	1951-60
		C 1927	✓	✓ n.p. 46-50	-	-