

# RAINFALL AT Mickleden

Lat.

Lon.

County of Westmoreland

Rain Gauge, by

Observer S. A. Marshall Esq

Leven - 2. M

Miss Marshall

Diameter ..	5										
Height ..	1.6										
Altitude ..	490										
Year ..	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	M.RANS.
January ..	15.00	10.05	10.02	19.22	15.45	10.69	21.14	7.20	16.90	12.22	13789
February ..	9.49	5.84	3.03	22.40	11.22	11.36	11.54	12.04	9.67	12.95	10954
March ..	1.03	7.86	8.32	23.10	11.46	10.33	8.60	14.77	15.55	8.20	10922
April ..	9.55	7.80	9.04	5.85	14.53	14.10	5.70	7.24	5.23	8.50	8.754
May ..	5.25	2.82	5.62	7.27	5.57	6.12	11.15	11.64	6.82	6.35	6.861
June ..	7.07	5.70	1.94	4.20	4.15	7.15	4.97	12.96	6.77	4.50	5.941
July ..	3.98	2.25	6.12	9.98	6.82	6.84	8.27	5.50	9.15	14.90	7.331
August ..	12.05	11.30	10.33	19.54	10.95	9.24	12.50	10.87	13.08	(6.00)	11586
September ..	8.12	8.05	6.09	12.66	7.38	7.55	5.42	2.85	16.97	7.15	8.224
October ..	16.03	17.08	9.25	26.72	7.49	9.12	15.00	13.50	5.34	19.85	13938
November ..	10.11	21.03	10.32	9.44	12.15	14.10	16.44	9.40	9.24	9.13	11936
December ..	21.98	17.00	20.00	12.96	11.52	12.44	(10.00)	14.54	11.13	22.34	15391
TOTALS ..	119.66	116.78	100.08	173.34	118.19	119.04	(28.73)	122.51	125.85	(132.09)	12562 2545

1906 Dec gauge estimated

1909 Aug gauge damaged: estimated

## RAINFALL at Nettlebed

County of Westmorland

Observer Mrs C Marshall

River Basin

Lever 2

Obs. - Goudell

Rain Gauge, by Casella

M

Diameter ...	5											
Height .....	1.6											
Altitude ...	490											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	
January ...	17.33	11.03	15.04	16.50	15.15	19.54	26.80	10.15	18.45	18.45		
February ...	20.43	26.55	9.34	12.63	21.25	22.25	14.86	3.20	23.04	2.06		
March .....	8.31	7.50	21.19	17.85	17.77	8.25	3.60	8.48	7.09	13.12		
April .....	8.42	11.56	6.81	15.68	6.45	11.20	14.10	6.75	3.65	9.30		
May .....	7.82	9.79	7.98	7.09	7.36	1.98	10.01	7.21	3.25	4.35		
June .....	3.31	(7.00)	13.26	13.64	2.30	4.05	8.75	7.32	3.04	8.05		
July .....	8.63	2.65	12.04	3.21	7.86	15.40	8.05	5.72	9.05	3.40		
August .....	20.12	8.96	14.22	8.32	9.20	6.62	6.97	20.74	12.36	10.43		
September ..	1.42	7.81	9.70	6.27	7.36	2.90	9.72	22.84	26.32	17.55		
October ...	9.03	12.06	14.96	8.49	4.05	5.65	29.60	23.24	27.80	3.24		
November ...	10.10	17.89	16.65	15.74	27.60	6.90	22.62	22.84	13.92	10.05		
December ...	23.67	25.75	27.52	16.55	23.06	20.70	16.60	12.15	31.45	22.80		
TOTALS ...	138.59	(148.55)	166.61	141.47	149.41	125.34	11.74	50.66	181.42	22.73		

1911 June tampered - amount est?

† Inspected by Dr. Mill TX 12. 5 inch copper funnel on thick body  
(same as Dungeon Ghyll monthly). Set in slight hollow in  
moraine hills at the head of the valley.

1912 - Big. Inspected by H. B. 1.9.20. quite sound - no change in exposure.

1919. 17<sup>th</sup> Oct. funnel found to leak at joints. Oct. 18<sup>th</sup> g. repaired & replaced

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

### RAINFALL at Nickleden

County of Westmorland

Observer. Miss G. Marshall

## River Basin Seven 2

Rain Gauge, by Cassella

M

Diameter ...	5"										
Height .....	1.6										
Altitude ...	490										
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930. MEANS.
January .....	21.40	32.21	15.71	14.75	12.86	12.45	17.05	16.28	34.66	5.09	15.04
February .....	18.60	1.36	14.70	20.40	2.00	14.48	18.32	10.85		3.89	1.61
March .....	19.25	26.40	9.72	7.36	3.92	4.44	9.58	12.02	13.18	2.28	7.04
April .....	(11.50)	3.89	6.24	9.71	6.52	13.45	5.92	7.58	4.83	5.58	5.35
May .....	16.80	9.43	10.60	10.75	10.62	11.85	5.47	6.73	1.49	8.95	4.86
June .....	4.62	93	7.50	4.42	7.74	3.9	5.75	9.65		5.75	5.73
July .....	14.42	5.97	13.20	10.72	10.97	3.28	9.98	9.57		8.65	5.27
August .....	7.55	14.86	9.40	24.75	9.09	9.99	9.98	11.99		18.98	19.20
September...	7.68	5.05	12.40	18.06	19.98	11.14	12.87	19.28		3.50	8.35
October.....	7.06	8.56	4.57	2.828	11.35	14.98	9.08	13.85		7.80	19.30
November...	9.08	8.05	9.27	20.40	15.02	6.12	15.85	15.98		24.49	20.40
December...	13.72	28.55	20.75	14.59	25.47	14.09	4.53	3.39		27.69	8.10
TOTALS... (151.60)	145.26	32.06	184.19	136.04	116.66	124.38	137.17	inf.	131.65	120.25	

1920 April partly Estd.

Gauge Inspected H.E.G. 1-1X-20. See last sheet

*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

## RAINFALL at Mickleden

County of Westmorland,

Observer Miss C. Marshall,

River Basin Leven - 2

Type of Gauge

Annual Average 32.2 in. based on 38 years obs. un-weighted. Period of average 1881-1915 Ref. 5

662642/26.

Diameter	5.										
Height	1.6.										
Altitude	490.										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	12.30	23.40	8.64	20.80	7.40	12.72	15.60	15.24	14.26		
February	14.04	1.06	14.84	1.31	21.84	7.85	15.60	11.65	14.41		
March	2.01	10.00	8.26	7.85	3.77	6.10	3.40	12.86	9.85		
April	6.88	12.42	4.40	7.91	6.90	6.05	6.30	3.56	6.95		
May	5.21	6.67	3.87	10.40	1.61	2.60	3.40	7.63	1.24		
June	10.60	(4.51)	5.33	4.90	7.38	6.90	7.60	13.80 (4.50)			
July	15.80	(0.86)	8.71	4.70	5.15	10.48	9.64	19.05	15.93		
August	5.70	6.25	9.32	13.95	9.21	10.44	4.21	16.40	3.75		
September	3.30	16.40	2.47	10.83	13.30	14.10	10.10	6.75	4.90		
October	14.60	16.03	9.10	20.20	20.40	14.10	5.62	26.03	3.94		
November	16.18	10.60	2.67	5.00	11.90	14.80	6.01	18.03	24.07		
December	11.72	17.17	2.21	14.40	7.50	15.50	10.30	11.30	6.45		
TOTALS	118.34	134.36	79.82	122.25	116.36	121.64	94.78	162.80 (21.28)	N.R.		

1932. Jan-July adjusted for W.D.

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
1938			Conistone	6½ miles	SSE	Chapel Skale	4 miles ESE

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

Station No. M 3708

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## RAINFALL at Mickleden

County of Westmorland

Observer Miss C. Marshall

River Basin Lune - 2

Type of Gauge.

Annual Average 30.8 in. based on 38 years obs. un-weighted. Period of average 1881 - 1915 Ref. S

File No. 662692/26

Diameter	5'										
Height	1' 6"										
Altitude	490										
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January											
February											
March											
April											
May											
June											
July											
August											
September											
October											
November											
December											
TOTALS											

War Suspense. No further communications from Miss Marshall. Commed. 11/12/53.

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.	Direction

BRITISH RAINFALL ORGANIZATION