

RAINFALL AT *Mickleden*

Lat.

Lon.

County of *Westmoreland*

Rain Gauge, by

Observer *S. A. Marshall Esq.*
Miss Marshall

Leven - 2. M

Diameter ..	5										
Height	1.6										
Altitude ..	490										
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	15.00	10.05	10.02	19.22	15.45	10.69	21.14	7.20	16.90	12.22	13.789
February ..	9.49	5.84	3.03	22.40	11.22	11.36	11.54	12.04	9.67	12.95	10.954
March	1.03	7.86	8.32	23.10	11.46	10.33	8.60	14.77	15.55	8.20	10.932
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	11.586
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	13.938
November ..	10.11	21.03	10.32	9.44	12.15	14.10	14.44	9.40	9.24	9.13	11.936
December ..	21.98	17.00	20.00	12.96	11.52	12.44	(10.00)	14.54	11.13	22.34	15.391
TOTALS ..	119.66	116.78	100.08	173.34	118.19	119.04	128.73	122.51	125.85	132.09	125.62 2.545

1906 Dec figures estimated

1909 Aug gauge damaged: estimated

MS

RAINFALL at NickledenCounty of WestmorlandObserver Mr C MarshallStar. - JondellRiver Basin Leven 2Rain 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	13.04	16.50	15.15	19.54	26.80	10.15	18.45	12.48	
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	10.09	7.21	3.25	4.25	
June	3.31	(7.00)	13.26	13.64	2.30	4.05	8.75	7.32	5.04	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	9.92	22.84	26.32	19.55	
October ...	9.03	12.06	14.86	8.49	4.05	5.55	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 ...	136.59	(148.55)	166.61	141.47	149.41	125.34	171.74	150.66	181.42	122.73	

1911 June tampered - amount 250

† Inspected by Dr. Mill IX.12. Is 5 inch copper funnel on 7 inch body (same as Dungeon Ghyll monthly). Set in slight hollow in moraine hills at the head of the valley.

1912 - 8.29 Inspected by H.B. 1.9.20. Is quite sound - no change in exposure.

1919. 17th Oct. funnel found to leak at joint. Oct. 18th g. repaired & replaced.

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

RAINFALL at NickledonCounty of WestmorlandObserver Miss E. MarshallRiver Basin Leven 2Rain 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	14.44	5.09	15.04
February ...	18.60	1.36	14.70	20.40	2.00	14.48	18.32	10.85		3.39	1.61
March	19.25	26.40	7.72	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	9.3	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	8.36	4.57	28.28	11.35	14.98	9.08	13.85		7.30	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...	(151.63)	145.26	32.06	184.19	136.04	116.66	124.38	137.17	imp.	131.65	120.35

1920 April partly Est.

Gauge Inspected H.B.C. 1.1X.20. See last sheet

Position of Station on reduced Ordnance Survey } No. of Map

Map, 2 miles to 1 inch Series

Reference No.

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

RAINFALL at MickledenCounty of Westmorland,Observer Miss C. Marshall,River Basin Leven - 2

Type of Gauge

Annual Average 32.8 in. based on 38 years obs. un-weighted. Period of average 1881-1915 Ref. 5

662692/26.

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	17.26		
February	14.04	10.6	14.84	1.31	21.84	7.85	15.60	11.65	17.41		
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	(7.50)		
July	15.80	(6.85)	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	3.96		
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	97.75	162.80	(121.28)	N.R.	

1932. June & July adjusted for W.O.

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
1938			Conistow	6 1/2 mls	SSE	Chapel Skel	4 mls	ESE

Station No. M. 3708RAINFALL at Mickleleden

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County of WestmorlandObserver Mrs C. MarshallRiver Basin Leven - 2

Type of Gauge

Annual Average 30.8 in. based on 38 years obs. ~~un~~-weighted. Period of average 1881 - 1915 Ref. SFile 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 Mrs Marshall. Arranged V. 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 from gauge	Parish Church.	Distance from gauge.	Direction from gauge.

BRITISH RAINFALL ORGANIZATION