

RAINFALL at

Measand SandhillCounty of WestmorlandObserver J. H. Hill & Sons.River Basin Iden. I.Snowdon Rain Gauge, by Casella
Insulated copper

Diameter ...									5"		
Height									1-0		
Altitude ...									881		
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...										889	
February ...										1.39	
March										6.93	
April										3.96	
May										1.93	
June										3.16	
July										1.59	
August										4.98	
September...										6.37	
October ...									# 10.53	3.15	
November ..									6.40	7.86	
December...									9.61	14.50	
TOTALS ...										64.71	

+ 14.11.19 C.S. In railed enclosure, dry stone walls 4 ft. high 30 ft. S+E
small tree 20 ft. high, 40 ft. SE. 20 aletines 60 ft high 80 ft S. Crops 70-80 ft-
high 100 yds W. Land rises very slightly to N. Very good site.

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
			<u>Shap</u>					

RAINFALL at Houses Water Measand SandhillCounty of WestmorlandObserver Messrs F. H. Hill & Sons C.E.River Basin Eden 1L. Holme Lewis C.E. (1921)Insulated Rain Gauge, by Casella
Insulated CopperManchester Corp. W.W.

Diameter ...	5										
Height	1	0									
Altitude ...	831						824				
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930. MEANS.
January ...	11.21	15.06	8.88	6.33	7.21	10.05	10.83	7.87	17.11	2.15	14.04
February ...	9.21	3.0	8.86	10.37	1.18	9.79	6.41	3.75	7.97	1.59	.77
March	12.15	13.36	5.78	4.37	1.73	2.36	3.02	7.07	8.44	.70	4.40
April	9.65	2.18	5.50	4.92	3.18	7.29	4.18	4.36	1.97	2.61	2.81
May	11.74	3.23	3.04	5.03	3.16	7.86	3.41	3.15	1.39	5.21	3.85
June	2.88	.85	4.01	1.37	3.44	.23	6.29	4.71	9.12	2.17	4.12
July	10.54	4.90	8.40	3.48	6.97	1.91	4.60	5.06	4.36	7.36	5.37
August	4.57	8.79	6.01	12.95	5.20	5.03	5.98	8.99	9.32	6.82	11.03
September...	3.36	3.22	5.20	7.81	9.30	6.17	5.74	7.65	2.91	2.99	6.51
October	3.97	3.61	2.47	16.10	7.24	6.96	4.65	9.00	12.44	10.21	14.12
November...	9.01	4.26	3.93	8.29	4.39	2.32	13.39	4.83	13.03	14.12	8.97
December...	9.41	11.30	13.34	8.60	15.41	8.15	1.17	2.17	5.62	17.19	8.86
TOTALS...	97.70	70.76	75.42	90.12	73.91	68.14	69.67	68.61	93.68	73.12	86.85

1920 Gauge Inspected G.S. 14.11.19. 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	Direction
			<u>Shap.</u>					

RAINFALL at Hawes Water (Measand) Sanghite BRCounty of Westmorland Observer Manchester Corpn. W.W.River Basin Eden - 1.

Type of Gauge

Annual Average 69.6 in. based on 10 years obs. ~~un~~-weighted. Period of average 1881-1912 Ref. S

666604/26.

Diameter	5.										
Height	1.0.										
Altitude	824										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	6.83	15.39	12.43	12.58	2.95	9.93	10.88	10.91	11.00	2.04	
February	5.71	17	6.83	5.50	12.89	4.23	9.02	3.36	7.59	2.16	
March	1.47	5.44	6.03	5.71	2.81	4.85	3.50	4.24	6.15	5.74	
April	4.02	7.60	2.75	5.63	6.76	1.75	4.56	2.6	2.02	2.39	
May	4.90	4.85	3.47	6.01	1.05	1.81	3.45	5.53	9.6	1.16	
June	4.20	3.63	2.62	2.74	6.85	4.57	1.60	6.15	4.87	1.18	
July	5.59	7.41	4.90	1.87	2.81	7.43	2.97	8.44	8.52	6.58	
August	5.42	1.56	3.68	6.46	3.74	2.72	3.26	3.56	3.11	1.91	
September	2.97	7.18	2.77	10.09	13.57	7.51	6.12	2.84	1.92	5.88	
October	4.99	13.02	6.57	12.44	11.55	9.56	4.62	16.89	3.68	10.48	
November	15.92	6.18	3.37	1.20	8.45	7.45	1.57	10.52	11.75	9.96	
December	5.71	13.24	7.2	14.44	4.45	12.50	4.07	5.49	4.47	5.21	
TOTALS	70.73	86.67	56.14	79.67	77.88	74.61	55.62	78.19	66.04	54.69	

1938 n/p low.

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. TF 3676RAINFALL at Howes Water (Measand)

41

County of WestmorlandObserver Manchester Corp. W.W.River Basin Eden

Type of Gauge.....

Annual Average 69.6 in. based on 10 years obs. ~~un~~-weighted. Period of average 1881-1915 Ref SFile No. 96735/32 600004/26

Diameter	5"											
Height	1'0"											
Altitude	824'											
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	
January	1.63	6.89	(15.81)									
February	6.88	2.16	(6.70)									
March	3.46	6.18	3.02									
April	1.87	6.03	4.90									
May	2.93	7.46	6.83									
June	.05	1.00	6.64									
July	.95	3.89	4.26									
August	10.62	6.72	8.93									
September	1.53	8.17	6.75									
October	6.61	6.93	9.43									
November	4.66	1.90	4.97									
December	5.66	10.20	4.64									
TOTALS	46.85	67.53	(82.28)									

1943 Jan & Feb amended by ref check gauge To be abandoned 12/43.

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