

RAINFALL at Haver Water, Raddle HouseCounty of Westmorland Observer E. H. Hill & SonsRiver Basin Eden I.Snowdon Rain Gauge, by Casella  
Insulated copper

Diameter ...										5"		
Height .....										1.0		
Altitude ...										830		
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	
January ...										6.60		
February ...										1.20		
March .....										5.49		
April .....										2.44		
May .....										1.79		
June .....										2.58		
July .....										1.17		
August .....										4.38		
September...										4.32		
October ...									# (13.01)	2.27		
November ..									7.57	5.19		
December...									7.94	10.96		
TOTALS ..										45.17		

+ C.S. 14. III. 19 wood rail enclosure in rough meadow drop of 6 ft. to N.E. only 40 ft high 100 ft S.W. Rocks 10 ft. high 80 ft. S. Generally sheltered but good site.

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

RAINFALL at Hawes Water Raddle HouseCounty of WestmorlandObserver Messrs G. H. Hill & Sons G.E.  
L. Holyst Lewis CE (1921)River Basin Eden 1Shower Rain Gauge, by CasellaManchester Corp. W.W.

Diameter ...	5							8			
Height .....	1 0							1			
Altitude ...	830							744	825		
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 MEANS
January ...	7.74	10.73	4.97	5.46	6.42	8.42	11.01	7.33	16.77	1.86	12.15
February ...	6.30	.20	7.28	9.99	7.5	8.61	6.71	3.36	6.70	1.25	.62
March .....	8.30	10.00	4.92	3.23	1.42	1.73	2.66	5.75	7.89	70	4.27
April .....	6.64	1.49	4.07	4.54	2.97	6.44	4.37	3.63	1.78	1.93	2.08
May .....	8.56	3.78	2.39	3.82	7.09	7.66	2.93	2.92	1.33	4.31	3.28
June .....	1.95	.23	2.59	1.32	2.75	.28	5.71	4.01	9.01	1.98	5.26
July .....	7.51	3.63	7.65	3.53	6.60	1.44	4.47	5.10	4.29	700	4.64
August .....	3.75	7.73	4.47	11.48	3.95	4.50	6.14	8.60	9.39	5.99	10.36
September...	2.52	2.34	4.46	7.27	9.41	5.81	5.40	8.05	3.50	2.45	5.00
October .....	3.29	2.40	2.47	13.82	6.62	8.35	5.60	9.86	13.97	8.95	12.24
November...	7.47	2.91	3.15	7.29	4.93	2.17	13.12	5.38	13.22	12.46	7.83
December...	7.01	9.78	12.55	5.86	14.43	8.08	1.08	1.98	5.41	13.79	6.99
TOTALS...	71.04	55.22	60.97	77.61	67.54	63.49	69.20	65.97	93.26	62.67	74.72

1930 Gauge Inspected 5.8. 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

RAINFALL at Hawes Water (Naddle House)County of Westmorland,Observer Manchester Corpn. W.W.River Basin Eden - 1.

Type of Gauge .....

Annual Average 60.5 in. based on 12 years obs. un-weighted. Period of average 1881-1915 Ref. S6600 <sup>#</sup>26

Diameter	S.										
Height	1.0.										
Altitude	825.										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	4.74	14.39	13.28	12.27	2.99	10.53	10.10	11.74	10.95	2.07	93.06
February	5.47	.07	5.93	.43	11.09	3.76	8.64	3.48	4.22	2.14	48.23
March	1.33	4.55	5.80	5.09	2.42	4.09	2.42	5.00	5.38	6.18	42.26
April	3.18	7.11	2.31	4.89	5.80	1.25	3.96	.53	1.94	2.31	33.28
May	3.74	4.75	3.63	5.75	.73	1.68	2.81	4.35	4.4	1.71	29.89
June	6.87	3.67	2.37	2.82	6.73	4.29	1.99	7.93	4.09	.92	41.66
July	5.48	6.78	4.50	1.87	2.02	7.27	2.51	8.57	9.14	5.36	53.50
August	4.89	1.36	3.14	5.70	3.23	2.24	2.63	3.33	3.94	1.47	37.96
September	3.00	5.88	2.60	8.49	11.43	7.03	4.79	2.69	2.11	5.00	53.02
October	4.69	10.99	6.27	12.00	10.50	6.56	4.02	17.72	3.17	11.47	87.59
November	13.70	5.61	2.94	.86	7.30	7.88	1.78	12.49	11.74	9.15	73.68
December	4.84	13.42	.60	12.66	3.69	12.11	4.44	7.04	3.29	6.24	68.33
TOTALS	61.93	78.58	53.37	72.83	67.93	68.69	50.09	84.87	63.74	54.02	656.08

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



Station No. T.M. 2675RAINFALL at Hawes Water (Naddle House)

41

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

Type of Gauge

Annual Average 60.5 in. based on 10 years obs. un-weighted. Period of average 1881-1915 Ref. SFile No. 60060426 196738/32

Diameter	5"				601	316					
Height	1'0"					1					
Altitude	825'					41					
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	1.40	6.77	15.45	8.86	5.62	8.62	11.00	14.89	3.63	4.31	79.95
February	7.24	2.27	5.26	2.48	7.00	4.92	(2.20)	5.90	7.18	8.26	52.71
March	3.61	6.58	2.77	.70	4.92	4.33	(8.00)	7.13	1.53	4.29	43.86
April	1.66	5.55	4.96	2.97	3.22	1.47	12.80	3.29	7.06	3.96	46.94
May	3.44	6.78	6.20	1.91	5.33	1.68	2.81	3.28	3.69	2.53	36.65
June	.11	.88	4.97	4.27	5.44	5.35	4.93	8.61	.99	1.88	37.43
July	1.42	3.18	4.13	3.39	3.22	4.45	3.94	5.13	3.07	(5.81)	35.34
August	8.31	7.14	10.54	4.25	3.04	7.38	.13	7.53	2.82	10.47	61.61
September	1.39	8.47	6.49	6.60	6.09	11.48	5.94	6.92	1.46	(13.54)	68.38
October	6.85	6.15	8.09	7.42	8.59	1.25	1.15	4.45	8.83	(5.79)	58.57
November	5.35	1.90	3.91	13.26	34	13.62	10.56	5.74	11.23	5.15	71.06
December	5.24	10.80	4.26	6.34	4.68	8.80	2.85	11.21	11.74	2.83	68.75
TOTALS	46.02	66.47	77.03	62.45	57.49	73.35	(66.21)	80.48	63.23	68.52	661.25
	M.	M	M	M	M	M	M	M	M	M	

1947 Feb March est. sum.

1950 July part est. Sept - but apportioned.

30004

00544

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

Station No. 3675 TF 39RAINFALL at Hawes Water (Haddle House)

51

County of WestmorlandObserver Manchester Corp. W.W.River Basin Eden-1Type of Gauge Broadfoot (inspection)Annual Average 66.05 in. based on 18 years obs. un-weighted. Period of average 1881-1915 Ref. SFile No. 196738/32  
1920/24/50

Diameter ...	6"				601	316					
Height ...	1' 0"					1					
Altitude ...	825'					51					
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	7.48	(7.26)	2.97	5.95	6.92	4.70	12.90	9.17	6.63	10.25	74.23
February ...	(8.00)	(94)	1.52	6.00	2.31	.65	7.63	7.74	1.39	(10.40)	46.58
March ...	(5.20)	(4.00)	1.18	5.51	1.66	1.78	5.83	1.53	5.45	1.67	33.81
April ...	(6.30)	4.36	5.11	.75	1.34	1.00	.93	1.80	7.41	6.02	35.02
May ...	1.67	2.90	3.61	4.31	5.14	2.25	3.11	6.40	1.78	2.40	33.57
June ...	1.66	3.27	2.57	4.04	8.23	3.19	1.37	5.46	5.47	4.13	34.33
July ...	3.12	(1.72)	6.82	3.17	1.56	5.84	3.43	4.97	4.88	5.69	41.14
August ...	5.99	6.49	4.59	6.17	2.45	8.40	7.51	4.58	.94	3.91	51.03
September ...	9.53	5.56	4.57	11.21	2.89	4.68	6.51	7.90	1.05	3.91	60.81
October ...	.76	8.56	4.51	16.75	3.64	4.40	8.01	6.99	8.24	5.36	67.22
November ...	14.49	3.07	9.27	16.82	3.57	2.02	2.33	.96	11.60	18.05	82.18
December ...	12.62	(5.80)	3.37	7.91	8.10	9.68	8.02	6.64	15.65	9.34	87.16
TOTALS ...	76.82	(53.93)	53.09	88.59	42.75	48.59	67.58	64.08	70.52	81.13	647.08
	M	M	M		M	M	M	M	M	M	

1954 gauge in fair condition  
1956 Feb. part. est. snow 103.5.  
Inspected July 1956 m. Deller. Gauge sound. Site of S.W. of N.E. Reconm  
more down slope near farmhouse  
1957 Catch has improved. Some change of site in 1956. accept.  
1960 Feb est M03  
June small est M03  
20004

An. av. 66.05 in. based on 38 yrs. obs. with 1919-57. 0.5 + 0.6. Period 820. 1916-50 - S. Registered

Position of Station on Ordnance One-Inch map : No. of Map 83 National Grid Reference 35/50 9153

Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge.
34004	70414					

Summary of Earlier Records from 10-year Sheets :

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	Camp 1918	✓	✓	✓	