

RAINFALL at Hawes Water Naddle House

County of Westmorland

Observer G. H. Hill & Sons

River Basin Eden I.

Snowdon Rain Gauge, by Casella
Insulated copper

Diameter ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
Height											5"
Altitude ...											1.0
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	
January ...											6.60
February ...											1.80
March											5.49
April											2.44
May											1.79
June											5.58
July											1.19
August											4.85
September...											4.88
October ...										# (13.01)	2.87
November..											7.57 5.19
December...											7.94 10.96
TOTALS ...											48.17

+ C.S. 14. III. 19 wood rail enclosure in rough meadow slope 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 Naddle House

County of Westmorland

Observer Mess^{rs} G. H. Hill & Sons C.E.

River Basin Eden 1

L. Holys Lewis C.E. (1921)

Snowdon Rain Gauge, by Casella

Manchester Corp. W.W.

Diameter ...	5"										
Height	1 0										
Altitude ...	830										
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEAN
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	2.20	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	4.84	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	2.23	2.59	1.32	2.75	2.28	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	7.00	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	9.61	5.81	5.40	8.05	3.50	2.45	5.00
October.....	3.29	2.40	2.47	13.92	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	2.46	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

1920 Gauge Inspected S.S. 14.11.19. See Last Sheet

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

RAINFALL at Hawes Water (Naddle House)

County of Westmorland,

Observer Manchester Corp. W.W.

River Basin Eden - I.

Type of Gauge

Annual Average G.S. in. based on 12 years obs. un-weighted. Period of average 1881-1913 Ref. S

6600 ft 26

Diameter	S.											
Height	10.											
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	4.3	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	12.26	
April	3.18	7.11	2.31	4.89	5.80	1.25	3.96	.53	1.94	2.81	33.28	
May	3.74	4.75	3.63	5.75	.73	1.68	2.81	4.35	.44	1.71	29.89	
June	6.87	3.67	2.37	2.82	6.73	4.29	1.99	7.92	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	3.44	1.47	3.96	
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	3.14	11.47	87.59	
November	13.70	5.61	2.94	.86	7.30	7.88	1.48	12.49	11.44	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	63.44	54.02	656.08	

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

Station No. T.M. 3675

RAINFALL at Haweswater (Naddle House)

41

County of Westmorland

Observer Manchester Corp. W.D.

River Basin Eden - 1

Type of Gauge.

Annual Average 60.5 in. based on 10 years obs. un-weighted. Period of average 1881-1915 Ref. S

File No. 66060476 196738/2

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	2.71	7.0	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 4.6 94
May	3.44	6.78	6.20	1.91	5.33	1.68	2.81	2.28	3.69	2.83 36.65
June	11	.88	4.91	4.27	5.44	5.35	4.93	8.61	.99	1.88 37.43
July	1.42	3.18	4.18	3.39	3.22	4.45	3.84	3.13	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	5.24	11.23	5.18 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	(66.2)	80.48	63.23	68.52 661.25

1947 Feb & March est. snows.

1950 July part est. Sept - Oct 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	Parish Church.	Distance from gauge.

Station No. 3675 15-3

RAINFALL at Hawes Water (Haddle House)

51

County of Westmorland

Observer Manchester Lepiron. W. W.

River Basin

Eden - 1

Type of Gauge Board foot (or inspection)

Annual Average ~~6~~ in. based on 10 years obs. un-weighted. Period of average 1881-1915 Ref. S.

Dolichos apiculatus Benth.

File No. 196-738/32
E20/34/56

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	6.40	5.47	4.13	34.33
July	3.12	(1.72)	6.82	3.17	1.50	5.84	3.43	4.97	4.88	5.69	11.14
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	9.57	11.21	2.89	4.68	6.51	7.90	1.05	3.91	60.81
October	7.6	8.56	4.51	16.75	3.64	4.40	8.01	6.99	8.24	5.36	64.22
November	14.49	3.07	9.27	16.82	3.51	2.02	2.33	9.96	11.60	18.05	82.18
December	12.62	(5.80)	3.37	7.91	8.10	9.68	8.02	6.64	15.68	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	64708
	77.	11	M.	M.	H.	M.	M.	M.	M.	M.	

1954 Schistose granite, fine-grained
1954 granite, fine-grained
Long streaks of feldspar mostly red.
June small est M03

1985 Feb. part est snow 103ns.

Entered July 1953 m-1

1957 Catch has improved since Change of site in 1956. Accept. 20004

An. av. 66.05 in. based on 38 yrs. obs. within 1919-57. 0/3+0/e. Period of av. 1916-50 - 5 - ~~Rejected~~

Position of Station on Ordnance One-Inch map:

No. of Map. 8. 3

National Grid Reference 35150 9153

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge.	Direction
24/04/4	40 4/4					lo-		

Summary of Earlier Records from 10-year Sheds:

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