RAINFALL AT Lebellyn Whiteside County of Cumberland Lat. 19 Bateman, Esq FR. Rain Gauge, by Diameter. . . . Height..... Altitude..... 2100 Year ..... 1870 1871 1872 1873 1874 1875 1876 1877 1878 1879 MEANS. 5.60 1.80

January..... February. . . . . 5.40 4.20 # 18# March . . . . . 2.40 2.30 450 April ..... 5.00 2.80 4:00 May..... 7.30 9:00 190 June ..... 0 00 4 90 9 60 July. . . . . . . 030 1.30 8.80 August .... 10.10 8.10 8:10 September ... 5.40 7.80 9.40 October . . . . 15.10 10 20 2.80 November . . . 22.20 3.00 1.60 December .... 7.30 3.40 5 90 63.80 62.60 TOTALS ....

## RAINFALL AT Helvellipe, Muiteside 80

		Rain G	auge, by_			Obse	rveral v	Vola	uma	u, as	9., 5.0
Derwer	t 2										
Diameter	1										
Height	1.0										
Altitude											
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January	2.40	.80	5.10	11.50	11.90	4.70	2.10	5.50	4.10	4.00	5.210
February											6.460
March									3.30		4.210
April									4.50	4.40	4.580
May									5.00		4.490
June									2.50		3.370
July									10.50		7.070
August									6.50		4.950
September					7:20				2.00		6.180
October					2.80				10.50		6.750
November					4:10						8.290
December											5.890
TOTALS	63.90	67.70	7920	84.60	65:00	7000	62:50	57-50	73:30	56.80	67-450

1888 April to Dev. "Amounts unsatisfactory or adjusted by reforence to the other gauges.

Rejected from Survey, 23 low.

RAINFALL AT Helvellyn Whiteside

Int. Derwent - 2

Inn. Country of Crimborland

Observer & H. Hell Eg C. E.

Diameter	7									-	
Height											
Altitude	2100 T										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	11.40	5.90	3.50	3.50	10.00	1.40	4.30	1.60	6.00	12.70	6.030
February	1.80	.50									4.220
March											4.510
April	2.00										4.070
May	4.90										4.250
June											4.560
July											5.510
August								15.80			9.400
September											7-210
October											9.090
November											10.460
December											8.600
TOTALS	74.20	98.20	68.40	64.10	90.60	65.30	73.10	93.00	71.00	81.50	77.940

RAINFALL AT Helvelly Whiteside Comboland Rain Gauge, by Dervent - 2. Diameter . . Height .... Altitude .. 2/00 T Year ... 1906 1908 1901 1902 1903 1904 1905 1907 1909 MEANS. January ... 6.20 4.40 4.60 11.50 7.00 8.00 10.00 1.80 6.00 6:3 70 9.20 February . 6.00 3.60 3.50 13.20 5.00 2.20 3.40 2.60 4.00 3.80 4.730 March .... .20 3.30 3.50 17.80 5.60 8.30 4.00 5.50 6.10 5.30 5960 April . . . . . 3.50 5.70 5.30 1.60 7.60 8.30 2.00 6.30 5.50 4920 May ..... 7.30 3.10 3.50 6.70 4.70 3.10 10.00 8.10 4.20 5.600 June . . . . . 7.70 3.10 4.20 3.90 2.70 10.10 3.90 1.30 3-20 5.70 4580 July ..... 1.90 4.90 6.20 4.90 2.40 9.00 4690 3.40 4.80 3.10 6.30 August .... 10.70 11.80 7.10 8.20 8.20 3.80 8.20 8.00 4.70 81 90 September. 6.00 7.30 4.20 9.10 5.40 6.10 2.80 9.40 3.70 5520 1.20 October... 17.70 10.560 9.00 7.60 7.00 20.40 3.50 7.20 13.00 15.00 November . 8.70 6.80 8.30 5.20 4.20 10.90 8.20 8.40 6.40 4.10 7.120 December . . /6.80 7.40 6.10 5-70 3.50 11.20 6.80

8.80 8.180

76.50 78.50 76420

5.50 10:00

TOTALS .. 85.50 61.30 59.90 114.00 65.30 69.30 72.60 81:30

RAINFALL at Nel	vellyn Whiteside (east side of Ra
Jounty of Cumberland	Observer G. H. Hilling C.E.
liver Basin Derwent 2	

Diameter 7										
Height / 6										
Altitude 2100	T									
Year 1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MRANS.
January 7.40	3.10	7.00	11.80	7.00	6.50	7.10	1.40	8.30	10.00	
February /4.00			1	1	13.00		.90			
March 3.20	1.90	9-70	6.20	8.00	2.00	100000000000000000000000000000000000000	2-20			
April 6.16		1.10				100000000000000000000000000000000000000	2.20			
May 3. 70	5.30	4.20	5.80	4.20	The second of the second		5.00			
June 2-00	6.70	9.50	6.00	4.10		100000	3.40			
July 8-20	2.20	9.00	1.00	5.80	6.90	4.70	1.90	6.10	2.20	
August /4-29	6.70	8.80	6.40	5.50	1		14-30			
September 1-40	5.50	3.80	4-30	3.90			6.30			
October 4.80	9.50	9.50	8.50	2.10			12.30			
November 5'5c	10.50	5.70	7.00	9.60	2000		6.00			
December 15-7		12.90	5.50				1.80			
TOTALS 86.30	90-60	92.20	80.30	8390	61.40	80.00	57.70	79.50	62.20	

			Rejected from	survey	. 23" lo	υ.		
Date.	Lat. N.	Long-	Railway Station.	Distance.	Direction.	Church,	Distance.	Direction.
4								

RAINFALL	at Helvellyn Whiteside

201111111111111111111111111111111111111	a Some
County of Cumberland	Observer Mess & G. H. Hill & E. L. Holme Lawis (192
	L. Holme Lawis (192
River Basin Dowent 2	

Rain Gauge, by

Height !  Altitude 2.1 c  Year 195  January q  February 6.  March /2.	20 1921 20 12:40 70 40	770	1923	1924	1925	1926	1927	1928	1929	MEANS
Year 199  January 9.  February 6.  March /2.	1921	770	440			1926	1927	1928	1929	MEANS
January 9 February 6. March /2.	70 40	770	440			1926	1927	1928	1929	MEANS
February 6. March 12.	70 40	770	14.40	8.30	2					
February 6. March 12.	70 40	6.10	. 1		0.40					
March 12-			14.00	1-20	7.10					
S.	40 140									
May 8	30 4.70	360	4.50	8 . 10	10.00					
June 3						n	en o			
July 8.	30 5 10	10-10	4:30	10.20	2 10	1	, 2	aug	Va	e
August 5					7.56	te	pre	nou		-ae
September	00 3.00	6.50	11.60	13.70	6.60					
October 5			17.50	7.40	12.60					
November 7	30 4.40	430	5.90	7.80	2.60					
December 9										

1924. On hills 5, ride of Lake.

Position of Station on reduced Ordinance Survey \ No. of Map Reference No								
Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge		

y of Camberland	Observer L. Houne KEWIS
Basin Derwent 2	Manchester boxp. w.w.
Rain Gauge, by	

Diameter						5					
Height						1.0					
Altitude						2100					
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEANS
January						(9.80)	13.40	7.60	15.10	3.50	14.50
February						9.10	9.70	6.10	7.70	1.80.	2.00
March							2.00		Sun Sun		6.20
April						8.80	5.20	400	6.00	2.40	4.10
May						9.50	4.70	430	2:30	6.30	3.30
June						.50	7.00	5.60	10.80	3.50	2.90
July					-	5.00	7.30	990	490	7.50	8.00
August						8.20	7.80	10.80	14.60	8.90	/2.20
September						7.80	6.60	9.40	500	2.80	7.50
October					TANK S	13-80	6.30	11.10	20'30	1080	15.50
November						2.70	16.60	920	14:30	21.40	9.80
December						6.70	1. 20	5.20	6:10	21.80	8.80
TOTALS						60.30	87.86	92.40	119.20	9,70	94.80.

1925 New gauge fixed 19 Jam. Total for Jam computed from older.

Position of Station on reduced Ordnance Survey No. of Map Reference No. Reference No.							
Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Directi from gauge	

## RAINFALL at Helvellyn (Whiteside)\*

ual Average	.in. based	d on	years obs.	un-weigh	ited. Pe	riod of a				Ref	
Diameter	٤.						6606	04/26.			
Height	1.0.										
Altitude	2100.										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	63	18.70	13.89	15.48	3.77	14.68	18.40	13-84	14.24	1.76	12106
February	5.3	.50	678	.47	12.52	6.48	10.55	4-83	15.81	3.65	6689
March	1.7	6.17	6.28	6.14	1.92	8.58	8.25	5.71	7.56	9.16	6147
April	4.6	7.25	3.45	9.07	6.76	2.58	5.43	.97	3-29	3.92	4732
May	6.4	6.19					3.43			1 .	
June	9.6	5.92	3.13	3.45	9.27	6.58	4.00	11.89	7.63	.95	6242
July	9.2	9.69	8.38	2.38	3.74	9.57	6.42	12.65	10.92	9.59	8254
August	6.9	2.19				- /	4.64				
September	4.5	8.50	346	13.28	15.49	10.25	4.20	5.87	2.78	6.31	7764
October	5.3	13.76	4.37	13.86	13.07	7.60	4.00	19.23	6.52	9.12	102 63

\* Gauge over exposed on moor (B.R.)

1931. Tung wall set up December 1931.

Pointed in 3th with foot note "Inf wall ound grage"

Position of Station on reduced Ordnance Survey Map, No. of Map										
Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge				
				1 1 1 1						

TOTALS .... 89.3 102.09 69.70/06 05 88.28/1036485.22 114.2492.84 69.90 92128

							4	4
							4	

THE LOLIN	2000.	Trii	MINISCIA	,	MICLEOI	orogica			•
				_					
							Station	No	c

Cou Rive Typ	nty er B	of b.s.	ambal	land t-2			Observer	Kans	hoter ge	Conq		4eg
iameter		5"				592	868		Fue No	, www.w.	*.~	
						217	800		-		-	
eight		1' 0"										
ltitude		2100					41					
Year		1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
nuary		4.00	7.55	15.5b	(15.66)	(7.00)	990	13.02	15.21	1.24	5.72	
ebruary		10.05	3-22	5.67	(4.53)	(13.00)	446	(2.50)	8-90	5.77	12.20	
arch		5.66	7.75			3 99		-			5.50	
pril		4.46	6.05			3.28		1		and the second	4-54	
ay			8.68	7.61	(4.41)	590	2.08	5.31	3.03	4.38	2.82	
ane		-62	1.99	5.80	(6.87)	5-93	6.25	5.17	10.60	1.62	3.61	
aly		2.27	5.80		-	6.22					6.49	
ugust		10.73	10.56	11.90	(605)	2-54	11.08	.06	923	5.27	12.22	

9.43 849 13.41 5.43 8.17 3.54

63 17.42 11.37 6.06 13.78

H NAW! m

9.94 11.19 9.60 9.91 1.24 1.90 578 11.85

17:05 437 10:48 8:57 10:24 3.46 1248 11.17

66. 4 90 84 85.46 94.02 75.46 87.07 74.38 95.31 79.16 87.25

9 July wall sound gauge 67204 60004

1943 n.p. low. 1944 6 m. part sold m.p. the much est. 1945 n.p. low Jan & Feb. part est id. 1946 n.p. Low. 1947 a. r. Low. Feb & March est mond.

9.88 9.61

2.37 3.88 15.59

1948 - -

2.41

7-92

8 .02

5.26

1950 np low

Ann

M

September ..

October

November

December

Position of Station on 1 mil	reduced Ordnance Sus to 1 inch Series	rvey Map,	No. of Map.
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Reference No.

18.06

5.61

7.42

3.06

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

(62) Wt. 13072-389 10M 6/50 T.S. 841