

RAINFALL at Helvellyn (Brown Cove)County of Cumberland Observer Manchester Corp. W.O.River Basin 2 - Derwent

Type of Gauge.....

Annual Average 97.57 in. based on 22 years obs. un-weighted. Period of average 1916-1950 Ref.....  
C 1932 660604/26 196738/32

Diameter .....						5						
Height .....						1	0					
Altitude .....						2250						
Year .....	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	
January .....		20.50	13.16	16.45	3.50	15.45	20.30	14.67	14.89	1.87		12079
February .....		29	7.19	52	13.70	6.78	9.82	5.16	16.05	3.88		6339
March .....		6.20	6.86	7.60	2.20	9.62	7.00	5.39	8.59	9.63		
April .....		7.41	3.63	8.51	7.06	1.92	5.83	9.6	3.23	4.02		
May .....		6.18	5.14	8.20	7.5	2.15	3.81	7.60	1.89	2.80		
June .....		6.62	3.24	3.62	10.26	6.68	4.23	12.77	7.54	1.00		5586
July .....		10.47	8.80	2.44	4.11	10.50	5.03	13.63	13.30	10.27		7855
August .....		252	5.99	10.76	4.78	4.38	4.98	5.52	4.96	3.55		4744
September .....		9.31	3.14	14.04	16.54	10.92	7.83	6.14	2.99	7.63		
October .....		13.66	7.58	12.29	15.17	7.92	7.14	20.50	5.53	10.96		
November .....		6.94	5.43	3.71	10.38	11.66	2.25	18.66	15.63	11.26		
December .....		18.81	91	21.39	6.00	20.48	6.32	10.88	5.18	9.79		1006
TOTALS .....		106.91	71.07	109.53	94.45	108.46	84.54	121.88	99.78	76.66		

*Temp installed on site selected by us to check at whitehead. No temp was used considered useless any.*

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. TF 3633/3RAINFALL at Hebdenlynn (Braun Cove)

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County of Cumberland Observer Manchester Corp. H. W.River Basin Derwent - 2

Type of Gauge

Annual Average 97.57 in. based on 22 years obs. un-weighted. Period of average 1916-1950 RefFile No. 196738/32

Diameter	5"				592	864					
Height	1' 0"					1					
Altitude	2250'					41					
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	4.25	8.38	18.15	(16.62)	(7.50)	11.03	15.22	14.68	9.44	7.88	
February	10.63	3.25	7.46	(4.93)	(13.00)	5.15	(2.50)	10.16	7.83	(14.00)	
March	4.88	8.07	3.49	(1.22)	5.56	5.61	(9.60)	9.69	2.84	6.27	
April	4.81	6.21	5.28	(5.68)	3.72	2.55	13.29	3.88	11.47	6.18	
May	5.71	9.66	8.32	(4.32)	6.73	2.10	5.58	3.55	4.96	3.77	
June	.76	2.01	6.78	(7.04)	6.86	7.79	6.09	11.75	2.08	4.60	
July	2.29	6.16	6.04	4.72	6.57	6.47	5.97	6.63	3.10	7.03	
August	14.08	11.06	13.91	5.84	2.82	11.99	.07	11.38	6.34	15.11	
September	2.64	10.32	10.99	9.02	10.27	15.57	7.89	10.95	4.26	21.64	
October	8.74	10.28	11.40	10.65	12.49	1.43	2.42	8.05	13.01	8.46	
November	8.40	2.69	5.44	15.03	7.8	18.86	15.80	8.88	16.65	9.46	
December	5.88	17.10	5.84	10.69	9.44	12.18	4.50	14.19	15.82	3.47	
TOTALS	73.07 M	95.19 M	106.10 M	(95.76) n.p.	85.74 n.p.	100.73 n.p.	88.93 n.p.	113.79 n.p.	97.80 M	107.84 M	10

1944 Jan. - March part est'd. n.p. too much estimation  
June

1945 n.p. low Jan. &amp; Feb. part est'd. 1946 n.p. low

1947 Feb &amp; March est. for snow. n.p. low.

1950 Feb est.

71004 60004

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. 3633/3 T.C.RAINFALL at 5 Helvellyn (Brown Cove)

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County of CumberlandObserver Manchester Exptl. M.M.River Basin Serwent - 2

Type of Gauge.....

Annual Average.....in. based on.....years obs. un-weighted. Period of average.....Ref.....

" " 97.57 " " 22 " " with 1932-57 " " 1916-50 File No. 1947/32  
EZ0136/50 21442/59

Diameter ...	5"				592	864					
Height ...	1' 0"					1					
Altitude ...	1800'					51					
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	(10.50) 8.21	5.41	7.37	7.96	6.27	14.06	8.45	5.44	10.75		
February ...	(10.30) 2.89	4.62	7.75	3.46	1.81	10.14	9.20	2.57	12.43		
March ...	(8.20) 6.50	1.24	7.70	3.64	3.66	6.51	1.88	7.33	2.76		
April ...	(7.00) 6.63	6.52	2.33	3.89	2.38	1.85	2.91	7.64	8.32		
May ...	4.17	5.94	4.97	7.59	8.63	4.75	4.11	9.01	2.17	3.86	
June ...	1.69	4.13	4.75	7.68	6.86	5.67	2.15	6.90	6.15	4.68	
July ...	5.71	5.58	12.83	8.68	4.00	8.93	6.46	5.27	8.16	9.47	
August ...	10.40	12.37	9.31	9.90	4.61	15.55	9.74	7.13	1.52	5.93	
September ...	13.80	3.42	13.78	14.22	6.23	7.62	9.08	10.72	1.30	5.85	
October ...	1.54	11.92	5.41	21.52	7.85	5.96	9.75	8.67	11.07	8.26	
November ...	24.08	4.59	16.76	24.91	5.71	3.05	4.11	1.57	13.92	23.13	
December ...	13.80	6.83	6.03	11.68	11.94	13.76	9.14	8.04	19.51	10.93	
TOTALS ...	111.19	84.01	91.63	131.33	74.78	79.41	87.10	79.75	86.78	106.37	
	M	M	M	M	NP	NP	NP	NP	NP	M	

1955 March part est. NO 36.

1956 Jan. est. NO 3. NP. low.

1957 NP low

1958 NP low

1959 NP low

T.S.H. July 1956 Deaks. of EW → N. Stream has washed away turf wall, presumably a wooden wall which is likely to produce undesirable wind effects. Recommended re-site 15 feet NE and turf wall constructed. October 1956 re-survey carried out.

Position of Station on Ordnance One-Inch map : No. of Map..... National Grid Reference 35/327163

Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge.
	54004					

Summary of Earlier Records from 10-year Sheets :

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
			C1932	✓ NP +4.48	