

## RAINFALL at

Heldendale Kidmoor

County of Westmorland

Observer G. H. Hill &amp; Sons

River Basin Eden - 1

Snowdon Rain Gauge, by  
Cutter

Diameter ...												
Height .....									5"			
Altitude ...									100			
									9.88			
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	
January ...										5.38		
February ...										1.50		
March .....										4.80		
April .....										2.49		
May .....										1.30		
June .....										1.71		
July .....										.97		
August .....										4.31		
September...										2.83		
October ...									# (9.53)	2.46		
November ..									5.13	3.79		
December...									6.01	5.79		
TOTALS ...										59.53		

Rejected from Survey : 10" too low.

+ C.S. 14.11.19 on NW of stream, ground slopes slightly towards water. In open wooden railed enclosure 3ft 6 in. high + 4 ft. from S. to be reduced to 2ft 6 in.

H. Lewis said (2/11/21) all recommendations have been carried out.

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

RAINFALL at Hellondale HidmoorCounty of WestmorlandObserver Messrs G. H. Hill & Sons G.E.River Basin Eden 1L. Holys Lewis CE (1921)Snowdon Rain Gauge, by  
Copper.Manchester Corp. W.W.

Diameter ...	5"										
Height .....	1 0										
Altitude ...	908										
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930. MEANS
January ...	6.76	8.94	4.94	3.93	5.52	5.99	7.84	6.17	12.64	1.36	10.42
February ...	4.79	1.6	5.40	9.87	.80	7.02	4.65	2.61	5.46	1.09	.72
March .....	8.01	8.53	3.77	3.12	1.51	1.91	1.90	5.43	6.88	.33	3.81
April .....	5.74	1.18	3.99	3.85	2.92	5.29	3.40	3.64	1.58	1.68	2.13
May .....	6.59	2.65	1.54	3.66	5.93	8.28	2.14	2.44	1.46	3.33	2.70
June .....	1.88	.29	2.60	.80	1.82	.12	4.99	3.28	6.86	1.84	2.08
July .....	5.67	2.46	5.22	3.13	5.60	1.82	3.82	5.09	2.70	4.53	5.14
August .....	2.64	6.25	3.16	9.10	3.71	4.21	4.81	8.78	7.11	5.51	9.62
September...	2.71	1.67	4.36	5.66	7.59	4.99	4.99	7.35	1.94	2.16	4.15
October .....	3.59	2.56	2.02	11.63	4.76	7.29	4.20	6.99	11.29	7.12	8.95
November...	4.93	2.41	2.84	5.67	4.29	2.21	11.30	4.46	9.96	9.90	7.06
December...	5.64	6.43	10.90	5.77	12.88	6.05	1.19	1.49	3.64	11.52	6.96
TOTALS...	68.95	43.53	60.74	65.89	57.33	82.18	55.23	57.73	71.52	50.37	63.74

1920. Gauge inspected G.S. 14.11.19. See last sheet

*Rejected from Survey: 10" too low.*Position of Station on reduced Ordnance Survey } No. of Map \_\_\_\_\_  
Map, 2 miles to 1 inch Series

Reference No. \_\_\_\_\_

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

RAINFALL at Heltondale (Kidmoor)

County of Westmorland

Observer Manchester Corpn. W.W.

River Basin Eden - 1

Type of Gauge.....

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

660604/26.

Diameter .....	5.											
Height .....	1.0.											
Altitude .....	984.				1025							
Year .....	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	
January .....	4.23	8.01	7.22	9.61	2.26	9.75	9.63	9.97	8.97	1.87		
February .....	3.98	1.9	5.64	4.0	9.24	4.33	5.90	2.38	4.45	1.93		
March .....	1.09	4.29	6.07	4.30	1.61	3.98	3.26	4.12	5.44	8.16		
April .....	2.93	6.10	2.47	5.50	5.88	1.27	3.65	2.7	2.16	2.92		
May .....	3.42	3.76	4.01	4.90	7.77	2.18	3.18	3.72	4.99	1.38		
June .....	6.01	3.33	2.33	2.77	6.83	3.36	1.80	5.01	3.35	6.0		
July .....	5.09	6.80	4.38	1.97	1.86	7.18	1.61	7.72	6.70	5.84		
August .....	4.76	1.27	2.85	6.25	2.66	2.01	3.21	2.31	3.80	1.56		
September .....	2.61	6.10	2.22	8.30	11.16	6.08	4.06	2.48	2.03	5.32		
October .....	3.02	9.47	5.66	11.10	9.91	4.80	4.18	15.38	3.86	8.39		
November .....	10.48	4.13	2.51	1.22	6.65	6.45	1.52	12.83	10.22	7.35		
December .....	4.22	8.91	5.55	12.49	3.43	10.66	3.62	5.74	3.41	4.81		
TOTALS .....	51.84	62.56	45.91	68.81	62.26	62.05	45.62	73.93	58.98	50.13		

I moved to selected site 19.1.32 see Enc 87.

Printed in B.R. with footnote "leaf wall round gauge".

Record prior to 1932 neglected as far too small.

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	Direction	Parish Church.	Distance
				from gauge			from gauge



Station No. T.F. 3684RAINFALL at § Heltondale (Kidmoor)

41

County of WestmorlandObserver Manchester Corp. W.J.River Basin Eden - 1

Type of Gauge.....

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

File No. 690604/26 196738/32

Diameter	5"										
Height	1' 0"										
Altitude	984'	1025'									
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	1.93	5.76	(10.22)								
February	8.11	2.65	(5.36)								
March	2.59	3.39	(2.92)								
April	1.67	4.02	(4.86)								
May	2.39	5.80	(6.09)								
June	.13	.78	4.72								
July	1.34	3.13	(3.91)								
August	5.72	5.90	7.94								
September	1.26	4.90	4.38								
October	6.22	4.79	5.04								
November	4.32	1.32	2.52								
December	3.47	7.73	3.73	#							
TOTALS	39.15	50.17	62.69								

§ Tuff wall round gauge.

1942 np. low. gauge leaking 2/49.

1943 np low. new gauge set up across stream 11/44 profile

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. 3684/1

TF.39.

RAINFALL at Hillondale (Hidmoor)

51

County of WestmorlandObserver Manchester Corpn. W.W.River Basin Eden-1Type of Gauge Bradford (on inspection)Annual Average 59.9 in. based on 4 years ok unweighted. Period of average 1891-1915 Ref. AB 693File No. 196728/32

Diameter ...	5"				601	406						
Height ...	10"					1						
Altitude ...	1043'					51						
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means	
January ...	6.74	5.24	2.40	5.25	6.35	4.25	14.45	8.86	5.83	11.10		
February ...	7.65	1.33	1.80	(5.50)	2.15	.93	(7.93)	9.16	1.56	11.49		
March ...	5.07	3.00	.80	(4.50)	1.58	1.63	6.42	1.76	5.31	2.09		
April ...	6.00	4.25	4.85	.96	1.30	1.20	.87	2.23	6.87	6.29		
May ...	1.68	3.21	3.50	4.95	5.40	1.93	3.05	5.85	1.28	2.72		
June ...	1.41	3.36	2.63	3.55	3.25	3.60	1.65	5.50	5.95	4.25		
July ...	3.89	2.53	5.65	3.71	1.44	4.25	4.74	4.42	4.45	5.39		
August ...	5.86	3.75	5.28	6.39	2.50	8.90	7.65	4.07	1.37	4.24		
September ...	9.51	6.08	8.35	9.48	3.00	5.54	(6.10)	8.47	1.20	4.03		
October ...	1.01	8.58	3.55	13.35	4.27	5.00	7.97	6.78	8.85	5.25		
November ...	15.74	3.00	8.30	15.35	3.70	3.06	2.63	.72	10.35	16.30		
December ...	13.45	5.53	3.65	7.67	8.53	12.28	9.83	7.54	13.88	10.40		
TOTALS ...	78.01	49.86	50.76	80.66	43.47	52.57	73.29	65.36	66.90	83.55	77.36	
	M	M	M	M	M	M	M	M	M	M		

1954. Twisted up.  
1955. Jan. part ok.

30004

20104

Inspected July 1956 M+R. Deeks. Gangesand. Site of W & E. Recurring.  
more 1/4 mile W. to protected spot

an. 62.99 in. based on 13 yrs. obs. within 1944-57. o/e. 1942. Period Jan. 1916-50-5 - Rejected.

Position of Station on Ordnance One-Inch map :

No. of Map 83National Grid Reference 38/482697

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

Summary of Earlier Records from 10-year Sheets :

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
				Cump 1943	