

RAINFALL at

Holtdale Kidmoor

County of Westmorland

Observer G. H. Hill & Sons

River Basin Eden - 1

Snowdon Rain Gauge, by copper

Diameter ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
Height											5.2
Altitude ...											1.0
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	
January ...											5.28
February ...											1.50
March											4.80
April											2.69
May											1.30
June											1.71
July97
August											4.31
September...											2.83
October ...											# (9.53) 1.46
November...											5.13 3.79
December...											6.01 8.79
TOTALS ...											39.53

Rejected from Survey : 10" too low.

+ c. 14. mil. on NW of stream, ground slopes slightly towards water. An open wooden rail enclosed 3 ft 6 in. high + 4 ft. from ground, to be reduced to 2 ft 6 in.

H. Lewis said (xvi.21) all recommendations have been carried out.

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

RAINFALL at Heltondale Headmoor

County of Westmorland

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

River Basin Eden 1

L. Holme Lewis CE (1921)

Snowdon Rain Gauge, by copper.

Manchester Corp. W.W.

Diameter ...	5"										
Height	1	0									
Altitude ...	988										
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	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	.10	5.40	9.57	.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	5.89	3.40	3.64	1.58	1.68	2.13
May	6.59	2.65	1.54	3.66	5.93	5.28	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	4.81	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.....	8.59	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	8.67	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...	58.95	43.53	50.74	65.89	57.33	52.18	55.23	57.73	71.52	50.87	63.74

1920. Gauge Inspected G.S. 14-111-19. See Cast sheet

Referred from Survey: 10° too slow.

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 Heltondale (Kidmoor)

County of Westmorland
River Basin Eden - 1

Observer Manchester Corp. W.W.

Type of Gauge

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

660604/26 Ref.

Diameter	S.											
Height	1.0.											
Altitude	984.											
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	8.94	1.87		
February	3.98	.19	5.64	4.40	9.24	4.33	5.90	2.88	4.75	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	1.24	3.65	.27	2.16	2.92		
May	3.42	2.76	4.01	4.90	.77	2.18	3.18	3.72	.99	1.38		
June	6.01	3.33	2.33	2.77	6.83	3.36	1.80	5.01	3.35	.60		
July	5.09	6.80	4.38	1.97	1.86	7.18	1.61	7.72	6.40	5.84		
August	4.76	1.27	2.85	6.25	2.66	2.01	3.21	2.81	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	9.67	5.66	11.10	9.91	4.80	4.18	15.28	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	.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		

9 moved to selected site 1932 see Enc 877

Pointed in B.R. with footnote "Luf wall round gauge".

Record prior to 1932 rejected as far too small.

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.F. 3684

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RAINFALL at § Hellendale (Kidmoor)County of WestmorlandObserver Manchester Corp. W.W.River Basin Eden - 1

Type of Gauge.....

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

Ref.

File No. b9060476 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 mp. 11/13	1								

§ Tuft wall round gauge.

1942 mp. low. gauge leaking 1/4".

1943 mp. low. new gauge set up across stream 11/44 surface

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

Station No. 3684/1

RAINFALL at Helfordale (Kidman)County of WestmorlandObserver Manchester Corp. W.W.River Basin Eden - 1Type of Gauge Bradford (aneroid)Annual Average 5.53 in. based on ~~12~~ years ~~of~~ upweighted. Period of average 1881-1955 Ref. PB 883File No. 196788/2
ED 124, 30

Diameter ...	5"				601	406					
Height ...	1' 0"						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	2.60	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	(3.35)	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 app.

3000a

20104

1955. Jan. part ext.

Inspected July 1956 Mr. Beeks. Gangasand. Site off WYE. Recomm.
move $\frac{1}{4}$ mile W. to protected spotAvg. 62.99 in. based on 13 yrs. 850. within 1944-57. o/e 1.02. Period avg. 1916-50 = Rejected

Position of Station on Ordnance One-Inch map : No. of Map 8.3 National Grid Reference 35748.21.97

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

Summary of Earlier Records from 10-year Sheets :

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