

RAINFALL AT Borrowdale The Moraine Keswick

Lat.

Lon.

County of Cumberland

Rain Gauge, by

Observer R. J. Pollard Esq

Borrowdale - 2.

Diameter ...	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
Height							10				
Altitude ...							360				
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	
January							13.34	3.64			
February							7.01	5.54			
March							7.91	9.14			
April.....							2.40	5.13			
May							10.60	7.35			
June							2.60	11.75			
July							5.53				
August							8.99				
September..							3.13				
October....							13.99				
November..							10.79				
December ..							6.33				
TOTALS							92.62				

Note Gauge 200 yards from Vicarage gauge in next field (Rosthwaite)

Borrowdale Church 1/2 mile S E

Keswick Station 1 miles N

House 30 ft high 30 yards N

Trees 15 - - - S W + E

RAINFALL at Rosthwaite

Borrowdale The Moraine

County of Cumberland

Observer

J. Bealey

River Basin Derwent 2

Miss C. Montreal (66)

Lamtor

Rain Gauge, by N+3

Diameter ...			5								
Height			6.9								
Altitude ...			(350)								
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...				9.08	13.11	10.18	11.64	15.48			11.14
February ...				5.75	8.27	15.43	16.62	9.84		13.70	.93
March				13.37	13.30	9.78	3.46	2.69			
April				2.23	11.39	4.25	6.39	8.56			
May				3.78	4.56	5.64	1.25	6.84			
June				7.70	8.97	2.36	1.65	5.64			
July				8.60	1.41	5.34	8.57	6.26			
August				8.73	5.37	7.42	3.63	5.48			
September ..				4.58	2.22	5.25	1.39	4.75			
October ...				11.03	5.55	2.61	2.20	22.15			
November ..				9.39	11.39	16.56	5.13	14.75			8.69
December...				17.94	11.56	16.42	14.20	(7.50)			
TOTALS ...				102.18	98.10	101.24	76.13	(09.92)	NR		

1913 Home 30 ft high 20 yards N
 Trees 40 . . 50 . . 54

1916 Dec. est?

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
			Keswick	6 m	N	Rosthwaite	250 yds	E

RAINFALL at Rosethwaite, The MoraineCounty of Cumberland Observer S. Scott Esq.River Basin Dewesat 2

Snowdon Rain Gauge, by _____

Diameter ...									5"	5	
Height									1' 0"	1.0	
Altitude ...									220	330 220 750	
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	M.M.A.N.S.
January									24.83	3.88	19.03
February									12.26	2.62	.68
March									9.45	1.73	5.68
April.....									4.70	2.65	3.01
May									1.01	6.98	4.04
June									11.31	3.76	4.28
July									9.49	9.84	6.07
August									12.59	3.87	15.74
September...									6.69	3.25	7.16
October.....									16.34	13.57	19.32
November...									21.09	22.74	18.37
December...									9.88	22.26	10.87
TOTALS...									139.64	105.45	109.25

Height above M.S.L determined Feb 1930 as 330 ft.

1929. House 80° 45' SW. }
 -do- 15° 45' N } appears.
 Tree 80° 45' NE }

130 129 112

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
			Rosethwaite	1 miles	NNE

RAINFALL at Borrowdale (The Moraine) *

County of... Cumberland

Observer G. Scott, Esq., (retired mid 1936).

River Basin Derwent - 2.

J. Cockburn Esq., M.P. 1927

Type of Gauge

G. H. Egglearch W. B. Boardman 1936
Ref. 1931-1935 1936

Annual Average 97.5 in. based on 7 years obs. un-weighted. Period of average

1881-1915 Ref. S

Av. w.s.

9262/30.

Diameter	5.											
Height	1.0.											
Altitude	330.											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	
January	9.93	22.05	13.90	21.00	4.26	13.46 (4.38)	16.29	16.58	2.77	137.62		
February	8.47	.05	13.47	1.01	20.78	5.34 (9.41)	5.19	17.23	3.57	8482		
March	1.70	6.82	7.28	6.95	2.61	6.45	3.97	8.94	9.30	12.18	6570	
April	4.56	9.08	3.11	6.96	6.66	2.40 (4.15)	1.42	5.83	4.77	4894		
May	7.63	5.24	4.41	9.21	1.21	1.18	3.48	7.87	1.15	1.99	4334	
June	10.67	4.67	4.54	5.76	6.57	6.62 (4.46)	15.04	7.93	1.50	6776		
July	11.12	10.70	8.92	2.88	4.22	10.86	5.14	16.32	14.74	8.82	9374	
August	5.24	1.88	8.67	12.25	5.47	4.60	4.63	7.46	4.20	5.88	6028	
September	3.53	11.55	1.79	13.35	12.91	9.26 (8.64)	6.46	4.07	9.48	8654		
October	9.32	16.40	8.19	16.94	17.73	12.29 (4.90)	26.17	4.86	11.30	12810		
November	19.10	8.57	3.72	2.40	11.30	13.41 (2.49)	16.72	19.03	12.83	10987		
December	9.99	21.59	2.04	18.52	5.18	19.63 (3.40)	8.03	6.18	12.01	10857		
TOTALS	101.26	118.10	80.04	117.23	103.90	105.79 (44.38)	135.91	111.10	87.60	103531		
	D.	D.	D.	D.	D.	N.P.	D.	D.	D.	D.		

* Formerly Known as Rosthwaite (The Moraine) B.R.

1927. change of observer at end of 1926.

1937. N.P. Too many adjustments.

Position of Station on reduced Ordnance Survey Map, } No. of Map.....
1 mile to 1 inch Series }

Reference No.....

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

Station No. M.3633

RAINFALL at Bonnawdale (The Moraine)*

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County of Cumberland Observer W. B. Smale, Esq.

River Basin Derwent - 2

Type of Gauge.

Annual Average 97.5 in. based on 7 years obs. un-weighted. Period of average 1881-1915 Ref. S. Av. W.S.

File No. 9262/3a

Diameter	5"			592	488						
Height	1' 0"					1					
Altitude	330'					41					
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	(3.50)	10.36	23.85	18.85	8.45	15.66	12.33	17.99	10.07	9.23	
February	11.32	3.57	9.90	4.40	13.31	5.06	(2.50)	7.28	12.06	9.30	
March	4.61	(8.00)	3.91	1.28	6.69	8.42	8.50	100	2.69	6.85	
April	4.53	6.77	6.80	5.76	5.68	3.29	14.81	100	13.12	7.06	
May	6.52	9.44	5.72	4.89	8.72	1.68	4.13	100	100	3.10	
June	6.65	(2.80)	7.29	10.19	6.61	9.06	5.97	14.71	100	6.51	
July	2.37	7.78	5.96	4.08	7.15	6.01	5.01	5.27	100	5.82	
August	13.89	11.23	14.55	7.15	2.69	100	00	8.66	14.01	13.48	
September	2.75	14.22	10.93	10.04	9.92		9.13	12.12	2.80	18.91	
October	10.92	13.77	15.23	10.95	12.04		1.75	8.86	11.49	8.77	
November	8.60	2.75	5.91	16.14	7.1	100	19.68	10.11	15.40	9.67	
December	8.77	16.62	7.43	10.80	8.44	9.98	4.35	13.23	20.10	14.80	
TOTALS	78.43	(10.31)	117.48	104.53	90.41	100	88.16	Incl D.P.R.	100	103.50	
	d	d	d	d	d		d	N.P.	D		

* Formerly known as Rosthwaite (The Moraine)

1941. Jan. cold & snowy.

1942 March & June wet, from nearby streams.

1946 Aug - Nov. measure broken.

1947 Robot hard-paste forms.

1948 Measure broken. Morondale dry in supply.

1949 Measure broken. Morondale dry in supply.

1950 Computed by Mr. Cornish (1950-48) in

1004

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. 3633 m

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RAINFALL at Borrowdale (The Moraine)

County of Cumberland

Observer Mr. Bonstead Esq.

River Basin Derwent - 2

W.P. & Brambridge 1953. ?
Mrs Brambridge 2. 1954.

Type of Gauge M.O. (HKL) (in ft. m.)

Annual Average 97.5 in. based on 7 years obs. un-weighted. Period of average 1881-1915 Ref. S.
" 105.38 " " 23 " until 1925-57 " " 1916-50 " S. W. S.
File No. 9262/30.

Diameter ...	5"			592	488				5"		
Height ...	1' 0"					1			11"		
Altitude ...	330'					51			330'		
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January	9.59	9.04	6.05	(11.80)	9.05	6.50	13.52	9.62	6.42	12.13	
February	9.08	2.19	4.23	(10.20)	2.76	2.07	7.60	10.62	3.65	10.11	
March	6.24	5.51	.93	(11.00)	2.83	4.09	7.73	1.94	7.39	3.41	
April	7.59	5.69	100	2.56	4.91	1.86	3.05	3.46	7.12	8.75	
May	2.13	5.39		5.99	3.04	5.91	4.67	7.37	1.89	4.02	
June	2.09	5.11		9.96	6.89	3.68	3.49	4.81	6.38	5.06	
July	4.86	6.06		10.03	4.23	9.41	8.01	4.80	8.36	10.09	
August	8.60	13.96		7.61	4.62	13.58	9.65	8.40	1.92	4.83	
September	10.99	6.76		16.72	7.32	6.81	9.94	10.76	1.71	5.24	
October	1.88	8.50		24.04	6.29	9.21	11.99	12.20	14.13	5.09	
November	16.96	5.88		21.89	3.64	8.91	3.16	1.96	14.75	20.51	
December	19.10	7.52	100	15.75	14.87	14.83	12.37	7.19	20.79	9.83	
TOTALS ...	98.91	81.61	100	147.55	74.45	81.86	95.18	83.13	94.51	99.07	
	NP	D		NP	D	D	D	D	D	d	

1951 NP low.

70004

1953 W.P. high.

1954. Gauge repaired 4/54. Read the normal.

May snowed 7/1954

1954. 29. Too much east.

Total off

Inspected 10.9.60 by H. Fletcher 0.5 WSW and 0.3 NW → N. North true 40°-40° WSW. True 30°-30° NW → 40°-70° NNW
→ young birch 25°-40° N → old apple 8°-15° NE. No alternative available

Position of Station on Ordnance One-Inch map : No. of Map National Grid Reference 35/256143

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 1928	✓ np. 37	✓ np. 46, 48-49.	✓ b/w + 0.50.