

RAINFALL at Braithwaite (Spring Bank)County of CumbriaObserver J. Smith Hill Esq.River Basin Dumfries - 2Type of Gauge Standard

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

903957/39

Diameter .....											
Height .....											
Altitude .....											
Year .....	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January .....			8.37	11.23	4.53	8.34	10.07	10.04	9.87	1.90	
February .....			6.40	4.47	11.35	3.70	8.65	3.26	9.62	1.61	
March .....			4.88	4.22	1.60	3.19	3.10	4.74	5.46	7.10	
April .....			2.03	5.15	5.49	8.88	3.36	8.80	3.72	3.12	
May .....			3.10	6.45	1.44	1.15	2.29	4.53	1.03	1.92	
June .....			3.63	3.21	5.70	4.34	2.81	10.96	4.54	1.49	
July .....			4.65	2.07	2.76	7.80	3.73	9.29	8.65	7.01	
August .....			3.37	7.75	3.12	2.36	3.81	3.90	2.93	3.54	
September .....			1.27	7.62	10.97	7.72	6.20	4.34	2.23	7.40	
October .....			6.46	10.83	11.72	7.32	4.63	19.78	2.23	7.47	
November .....			2.25	1.92	6.28	8.23	1.17	13.06	10.56	8.09	
December .....			7.75	10.63	4.13	11.60	3.52	5.87	3.43	7.41	
TOTALS .....			47.16	71.55	69.09	66.63	53.34	90.56	64.57	58.06	
			n/v	n/v	n/v	n/v	n/v	D	D		

1938 Tree 7' high 21' S.W. Tree (cypress) 30' high 55'S. Tree (pine) 45'-50' high 75' W.  
 Tree (Birch) 45'-50' high 75' N.W.

Back yrs. 1933-1937 received 5/39. n/v late. CP 1939

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.
1938			Braithwaite	$\frac{1}{4}$ ml.	E.	Thornthwaite	$\frac{3}{4}$ ml.	N.

RAINFALL at Braithwaite (Blackwood) (Spring Barn) Station No. 3643/2 41  
 County of Cumberland Observer L. Smith H. H. Esq died Dec '44  
 River Basin 2 - Derwent C. Barnes Esq  
 Type of Gauge Snatchon

Annual Average 60.3 in. based on years obs. un-weighted. Period of average Ref  
60.3 in. computed by Mr Cornish (1943) & A200 & 87/40. File No. 903957/39

Diameter	8"	593	524			593505		593505			
Height	1' 0"	593505 N(35) 231237	209204	1					N(35) 231237		
Altitude	280'	280'	41	300'05	400'			alt 114m			
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	1.51	5.44	10.24	9.94	5.75	9.77	7.17	10.67	5.71	5.89	
February	6.21	2.71	6.13	2.79	7.44	6.18	6.1	4.92	6.85	8.01	
March	3.29	3.84	1.96	6.8	4.72	3.66	5.43	6.85	2.28	4.76	
April	2.80	4.17	3.89	3.01	3.17	2.44	12.06	3.28	9.54	6.18	
May	4.57	5.01	5.23	3.23	7.15	1.26	3.41	1.83	3.78	2.99	
June	65	1.58	4.22	7.65	4.85	5.40	3.78	10.41	1.19	3.42	
July	1.86	5.46	3.97	2.45	5.42	6.47	4.43	3.98	2.27	4.43	
August	8.82	6.66	9.22	6.37	3.18	9.42	0.3	7.59	3.66	9.07	
September	2.32	9.94	7.69	8.06	5.83	11.14	6.06	8.93	2.74	14.18	
October	7.53	8.40	11.11	6.63	8.92	6.6	1.26	6.52	10.61	6.67	
November	4.84	2.14	4.54	9.73	84	13.52	13.11	5.89	11.42	7.53	
December	4.15	11.79	4.12	7.18	5.20	8.73	4.98	9.03	14.14	3.32	
TOTALS	48.55 D	67.14 D	72.32 D	67.72 D	62.47 D	78.65 D	62.33 D	79.90 D	74.24 D	76.42 D	

1941: Trees 7' high 2' S by W. Cypress 30' high 55' S. Pine tree 45'-50' high 76' W. Birch 45'-50' high 75' N by W.  
 1945 House 25' high 25' S. Bungalow 14' high 25' S. Oak tree 30' high 30' E. Apple tree 8' high 15' S.  
 1950: gauge may be overtopped. No site to be found in 1951

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	Parish Church.	Distance from gauge.	Direction
1941			Braithwaite	1 mile	E	Thornthwaite	1 mile	N.
1945			Braithwaite	600 yds	NNE	Braithwaite	150 yds	7E
1946				400 yds			100 yds	

BRITISH RAINFALL ORGANIZATION

Station No. 3643/2

RAINFALL at Braithwaite (Blackburn)

51

County of Cumberland

Observer G. Barnes Esq.

River Basin Derwent - 2

Type of Gauge Glover (N-2)

Annual Average 87.51 in, based on 22 years obs. un-weighted. Period of average 1916-50 Ref.

60.3 in compared by Mr. Gornall 4.3 A 220/487/40

File No. 903957/39

Diameter ...	8"			593	505		593505			8"	
Height ...	1' 0"				1		NY(35)231237			1' 0"	
Altitude ...	400'				51		all Hym			375'	
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	4.51	6.83	3.47	5.38	4.41	4.02	9.71	5.95	3.79	8.09	
February ...	5.94	1.11	2.48	5.13	1.90	1.33	5.45	8.18	2.18	8.84	
March ...	4.65	2.88	1.12	4.46	1.23	2.71	4.14	1.19	4.42	1.43	
April ...	5.45	2.73	5.07	1.65	2.56	1.54	1.72	2.32	5.20	5.18	
May ...	2.05	3.55	2.63	4.98	6.38	3.66	3.63	4.79	1.26	2.73	
June ...	1.97	3.33	1.87	6.68	4.09	2.39	2.05	4.06	5.16	2.88	
July ...	3.91	2.94	7.79	7.24	3.22	7.12	5.10	3.67	5.17	9.37	
August ...	5.82	9.20	6.88	6.43	3.91	10.22	7.99	6.49	1.18	4.09	
September ...	8.89	6.80	11.09	12.15	5.31	4.96	7.96	6.05	1.66	4.50	
October ...	1.77	6.54	3.53	16.20	4.16	6.51	8.03	7.44	10.60	3.20	
November ...	13.39	3.28	11.90	14.11	2.66	3.17	2.40	1.37	10.10	14.40	
December ...	14.53	7.18	4.04	10.71	9.23	9.77	8.60	4.60	13.40	8.70	
TOTALS ...	72.88	56.37	61.87	95.12	49.06	56.40	66.78	56.11	64.12	73.41	
	D	D	D	D	D	D	D	D	D	D	

1951 2 Oaks 50' 30yd E; Bungalows 18' 30yd N; Hill 600' 200yd W;  
House 30' 30yd S. apparently no change of soil as promised (summit)  
1950 Gauge moved 10yds SW on 15/7/52. Hence 10' high at 30yd N. House 30' high 10yds W; Oak 30' high  
at 30yd E. Hence 10' high at 30yd SW.  
Imperial 13.960 by 2 1/2 lb. G. reasonable condition. On steep d/s NW → SE - unsatisfactory but no alteration.  
Apple tree 8' 10" NE 7m on slope 60' 90' N → 50' 70' NW → 50' 100' SW

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference

231237  
35/229244

Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge.
1951			Braithwaite	880yd NE	Thornthwaite	1 1/2 ml NNW by N.

Summary of Earlier Records from 10-year Sheets :

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
			C 1933	✓ np 49	✓