

## RAINFALL at Braithwaite (Spring Banks)

County of Cumbria, Lancashire

Observer J. Simonds Hill Esq.

River Basin, Pennine - 2

Type of Gauge Standard

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

Ref.....

903957/39

Diameter								8			
Height								10			
Altitude								280			
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	3.88	3.36	3.80	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	10.95	4.84	14.9			
July	4.65	2.07	2.76	7.80	3.73	9.29	8.65	7.01			
August	3.37	7.75	3.12	2.34	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	3.23	1.17	13.06	10.56	8.09			
December	1.75	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/p	n/p	n/p	n/p	n/p	n/p	D	D			

1938 Tree 7' high 21' S.W: Tree (Cypress) 20' high 55' S: Tree (pine) 45'-50' high 75' W:

Tree (Beech) 45'-50' high 75' N.W:

Banks yrs. 1933-1937 received 5/39. n/p later. 38/59

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
1938			Braithwaite	1/4 mi.	E.	Thornthwaite	3/4 mi. N.

BRITISH RAINFALL ORGANIZATION, EXHIBITION ROAD, LONDON. S.W.7.

3643/2

## RAINFALL at Braithwaite (Blackwood) (Springs - Barn)

41

County of Cumbria

Observer

Smith Hill Esq

River Basin 2 - Derwent

C. Barnes Esq

Type of Gauge Standard

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

Ref.

60.3 in computed by Mr Cornish (1943) from 1900-48/40.

File No.

903957/39

Diameter	8"	593	524			593505		593505	
Height	1' 0"	593505	1					NY(35) 231237	
Altitude	280'	286-854	41	300' 05	400'			alt 114m	
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949
January	1.51	5.44	10.24	9.94	5.75	9.77	7.17	10.67	5.71
February	6.21	2.71	6.13	2.79	7.44	6.18	.61	4.92	6.85
March	3.29	3.84	1.96	.68	4.72	3.66	5.43	6.85	2.28
April	2.80	4.17	3.89	3.01	3.17	2.44	12.06	3.28	9.54
May	4.57	5.01	5.23	3.23	7.15	1.26	3.41	1.83	3.78
June	.65	1.58	4.22	7.65	4.85	5.40	3.78	10.41	1.19
July	1.86	5.46	3.97	2.45	5.42	6.47	4.43	3.98	2.27
August	8.82	6.66	9.22	6.37	3.18	9.42	.03	7.59	3.66
September	2.32	9.94	7.69	8.06	5.83	11.14	6.06	8.93	2.79
October	7.53	8.40	11.11	6.63	8.92	.66	1.26	6.62	10.61
November	4.84	2.14	4.54	9.73	.84	13.52	13.11	5.89	11.42
December	4.15	11.79	4.12	7.18	5.20	8.73	4.98	9.03	14.14
TOTALS	48.55	67.14	72.32	67.72	62.47	18.65	62.33	79.90	74.24
	D	D	D	D	D	D	D	D	76.42

1941 - Trees 7' high 21' S by W. Oak tree 30' high 55° S. Pine tree 45°-50° high 76° W. Beech 45°-50° N.E. 75° N.E.  
 1945 House 25' high 25° S Bungalow 14' high 25° E Oak tree 30' high 30° E Apple tree 8' high 15° S  
 1950 Gauge may be overexposed. No site to be found in 1951

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
1941			Braithwaite	1 mile	E	Braithwaite	1 mile
1945			Braithwaite	600 yds	NNE	Braithwaite	150 yds
1946			"	400 yds	"	"	100 yds

Station No. 3643/2

51

## RAINFALL at Braithwaite (Blackland)

County of Cumberland

Observer G. Barnes Esq.

River Basin Derwent - 2

Type of Gauge. Fluvial (H-2)

Annual Average 67.5 in. based on 22 years obs. un-weighted. Period of average

60.3 in. compared by Mr. Gorham 463 A 200487/40

Ref. S.

File No. 903957/39

Diameter ...	8"		593	505		593505 NY(35)231237		8"			
Height ...	1' 0"				1		all 14 in	1' 0"			
Altitude ...	400'				51			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	5.51	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	10.14	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	10

1951. 2 Oaks 50' 20yd E; Bungadown 18' 30yd N. Hill 600' 200yd W; House 30' 30yd S. apparently no change in site as promised (summers)  
 1952. Gauge moved 10yds W on 13/7/52. Hence W high at 30yds N; Oak 30yds at 30yds E. Place W high at 30yds W.

Reported 13.40 by H.M.B. G. reasonable condition. On steep d/s NW → SE unsatisfactory but no alternative.  
 Apple tree 8'-10' NE trees 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 .....		
Date.	Lat. N.	Long.	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge.
1951			Braithwaite	880yd NE	Thornthwaite	1 1/2 mi NNE 6.5N

## Summary of Earlier Records from 10-year Sheets :

Record D, or d		1910-19	1920-30	1931-40	1941-50	1951-60
				C 1933	V np 49	✓
(62) WT. 13072-389 10M 6/30 T.S. 841						