

RAINFALL AT Thirlmere Dale Head Hall

Lat.

Long.

County of Cumberland

Derwent - 2

Rain Gauge, by

Observer

C. H. Hill Esq. Ch.

Diameter					7					
Height					10					
Altitude					6202					
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899
										MEANS.
January					11.00	3.20	5.40	1.90	6.90	14.30
February					17.00	.90	5.20	8.50	7.20	7.40
March					6.70	7.80	9.80	14.30	2.40	6.20
April					4.10	5.10	3.40	4.50	6.30	7.60
May					6.50	.60	.60	4.00	4.80	5.90
June					3.20	1.60	5.50	4.20	5.00	1.50
July					3.40	7.30	6.10	2.90	1.40	3.70
August					7.50	9.30	4.20	13.20	9.20	2.60
September70	2.90	11.10	8.30	3.60	8.60
October					10.00	6.60	9.90	6.00	7.50	8.90
November					14.30	11.80	3.40	9.00	10.50	12.70
December					9.10	7.50	10.60	17.50	17.00	5.30
TOTALS					(93.50)	64.60	75.20	94.30	81.80	84.60

1894. g removed from Armboth in March (P.T. Holme Lewis
and 12c.)

3638

RAINFALL AT Threlmere Dale Head Hall

Lat. Lon. County of Cumberland

Rain Gauge, by Observer G. H. Hill Esq C.E.

Derwent - 2.

Diameter ..	7										
Height ..	15										
Altitude ..	620	I									
Year ..	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	9.90	5.20	5.70	13.30	10.90	4.40	12.20	2.50	8.20	8.60	8.090
February ..	8.90	3.30	3.20	15.20	8.00	5.40	5.70	4.00	4.70	5.00	6.340
March ..	.90	5.10	5.40	18.80	6.20	7.50	5.50	6.50	7.60	5.90	6.940
April ..	4.10	4.80	5.00	2.10	7.50	8.20	1.70	4.20	3.80	4.50	4.590
May ..	5.90	2.00	4.00	5.10	4.40	3.00	8.50	7.80	4.70	2.90	4.830
June ..	6.70	3.70	1.20	2.50	3.30	3.60	2.10	8.90	6.40	3.70	30.10
July ..	2.80	1.70	3.70	5.00	4.20	1.80	3.50	2.40	4.50	8.30	3.790
August ..	8.40	7.10	3.00	11.40	6.80	6.50	7.40	6.70	10.00	4.40	7.170
September ..	5.70	5.80	4.70	7.70	4.20	5.80	2.30	1.10	8.10	3.10	4.850
October ..	9.70	7.30	6.90	18.50	4.40	6.50	11.60	12.10	3.80	15.50	9.630
November ..	7.60	8.40	7.00	6.00	5.10	10.50	7.60	6.60	5.80	5.90	7.000
December ..	19.20	7.50	10.50	8.10	9.70	5.10	4.50	10.90	6.90	9.60	9.200
TOTALS ..	89.80	61.90	60.30	113.70	74.70	68.30	72.60	73.70	71.00	77.40	70.340

Hub

RAINFALL at Thirlmere Dale Head Hall (in Valley)

County of Cumberland

Observer G. Hill Esq. et.

River Basin Derwent 2

Rain Gauge, by

Diameter ...	7											
Height	1.5											
Altitude ...	620T											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1916-19 M.R.A.N. Totals	
January ...	8.80	4.50	8.60	10.20	6.70	10.10	12.30	2.90	9.90	9.50	34.40	
February ...	12.30	9.10	5.80	6.70	15.80	13.90	9.80	1.50	10.80	1.20	23.30	
March	5.70	2.30	11.10	11.90	9.70	2.40	3.00	4.10	2.90	6.80	16.80	
April	6.00	5.80	1.40	10.70	3.10	5.00	6.00	3.90	1.60	3.90	15.40	
May	3.80	5.50	2.90	5.00	4.40	1.60	4.80	4.20	2.50	5.70	14.20	
June	1.70	5.50	8.00	6.10	2.20	.90	4.00	3.60	2.20	3.40	13.20	
July	6.80	1.60	6.80	.80	5.00	6.40	4.60	1.70	5.20	2.20	13.70	
August	12.60	6.60	7.50	3.10	5.90	4.30	3.90	13.40	6.90	5.10	30.00	
September ..	.70	4.40	4.40	3.60	3.90	1.40	3.80	7.60	14.70	5.70	31.80	
October ...	4.30	8.40	9.20	6.90	2.00	2.10	20.70	13.80	12.20	8.90	49.60	
November ...	6.10	11.60	6.60	9.20	12.60	3.80	11.60	7.80	7.20	6.20	32.80	
December ...	10.50	18.70	15.30	7.40	18.10	15.50	6.90	3.80	10.20	12.10	33.40	
TOTALS ...	79.30	84.00	87.60	81.60	89.40	67.30	91.40	68.30	86.30	68.60	308.60	

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

RAINFALL at Thirlmere Dale Head Hall new g. (1927)

County of Cumberland

Observer Messrs G. H. Hill & Sons C.E.

River Basin Derwent 2

~~L. Hobson Paris (1921)~~

manchester Optic Soc.

Rain Gauge, by
 1 miles to Shallow old gauge Dens 6.98
 Style. hole at side of funnel 6.98
 measured by stick.

Diameter ...	7	5	6	5	5	5	5	1920-30 MEAN	1920-30 Totals
Height	1.5	1.3		1.5					
Altitude ...	620								
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928
January ...	10.80	16.80	8.10	6.70	7.90	10.50	13.40	9.40	17.00
February ...	9.60	4.0	9.10	15.40	1.40	11.60	8.80	5.20	9.70
March	12.70	14.30	6.00	4.20	1.40	2.70	3.50	8.80	10.60
April.....	8.30	1.60	4.50	7.20	4.40	9.00	5.30	4.60	J.90
May	9.60	4.30	3.60	5.30	6.10	8.50	4.50	3.90	1.30
June	3.40	5.0	3.30	2.70	3.80	2.20	5.20	6.40	11.90
July	7.70	14.20	8.80	4.00	8.50	1.70	7.50	8.00	4.80
August	4.10	10.00	6.20	14.00	6.10	7.00	7.80	8.40	12.10
September...	3.80	3.10	5.20	10.40	11.70	3.60	6.80	10.40	4.80
October.....	3.50	4.00	2.90	16.10	6.90	11.60	6.50	11.50	18.40
November...	7.80	3.80	4.50	10.00	7.40	3.00	16.40	10.40	15.70
December...	8.90	14.50	13.60	7.20	18.50	8.10	1.70	4.90	8.70
TOTALS...	90.20	77.50	74.80	103.20	84.10	79.40	87.40	91.90	118.90
								91.80	93.40
									992.10

1924 In valley.

+ I picture Colless X.W. site on fairly level ground, with slight slope to W.
 E. of Thirlmere - 70-80 yds. from Lake at edge of town.
 Tallest tree 14' 15" high 4 ft. N.W. angle 50°
 tree 20 ft. 7° NE. > 48° S. probably not entirely sheltered.
 S.E. > 20°
 Rows of trees

On Jan 1, 1927 a new gauge was set up in a rather more open site
 nearer reservoir & readings were from that gauge ((660604/26 - 858)).

Position of Station on reduced Ordnance Survey } No. of Map _____ Reference No. _____
 Map, 2 miles to 1 inch Series }

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

RAINFALL at Thirlmere (Dale Head Hall) ~~new~~

County of Cumberland.

Manchester Corp. W.W.

River Basin DeWent - 2.

Observer Lanchester Corp. W.

Type of Gauge.....

Annual Average 86.7 in. based on 5 years obs. un-weighted. Period of average 1881-1915. Ref. P. B. 4-98
Comprised VII/31
66064/26

Diameter	6.		5							
Height		1.0.								
Altitude		620.								
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940
										1931-40 Means Total
January	7.20	18.30	11.64	16.92	4.47	15.01	15.51	14.31	14.07	1.63 119.06
February	6.60	.22	9.06	.60	16.54	5.69	11.04	5.26	13.06	3.38 71.45
March	2.00	6.60	7.24	6.48	2.41	5.45	5.40	6.83	7.37	9.53 59.21
April	3.90	9.00	2.77	6.74	6.22	2.14	5.13	1.14	3.94	4.52 45.56
May	5.70	5.28	4.66	7.33	1.14	1.86	3.19	6.80	1.63	2.07 39.66
June	8.3	4.49	2.71	3.75	7.96	5.55	3.63	12.64	6.20	7.93 56.16
July	9.70	8.21	7.42	2.20	3.23	9.00	4.12	11.31	10.42	9.11 74.72
August	5.10	1.63	5.23	9.17	3.72	3.58	3.85	5.39	3.99	3.77 45.43
September	3.70	8.30	2.46	12.35	14.81	9.99	7.78	5.59	2.61	7.12 74.72
October	6.10	13.54	6.91	14.64	14.78	8.24	6.44	20.98	5.45	9.53 106.64
November	19.60	6.67	4.07	2.76	9.18	11.98	2.92	10.44	14.83	11.75 100.16
December	8.20	17.15	1.28	16.43	6.33	16.50	7.23	8.67	4.65	9.66 96.10
TOTALS	86.10	99.29	65.45	99.37	90.79	95.05	76.24	115.33	88.24	73.00 888.86

Turf traps set up 10 Dec 1931

Pointed in BR with footnote "Luf wall sound gauge"

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

24 - 3

1 mile to 1 inch Series						
Date.	Lat. N.	Long.	Railway Station,	Distance from gauge	Direction	Parish Church

Station No. T.F. 31638

RAINFALL at ~~§ Threlkeld~~ (Dale Head Hall)

41

County of Cumbria and Observer Manchester Campton W.W.

River Basin Derwent - 2

Type of Gauge.

Annual Average 8 in. based on 5 years obs. un-weighted. Period of average 1931-1945. Ref. P.B. 4428
File No. 460604/28

G.W.S.

196738

32

Diameter	5"	6"	592	849		6"			5"		
Height	1' 0"				1						
Altitude	620'				41						
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1941-50 Means Totals
January	3.69	6.68	16.43	12.33	6.02	12.66	12.30	6.54	6.60	8.62	101.67
February	10.52	2.98	8.63	4.96	11.03	5.92	2.35	8.59	8.80	12.63	75.71
March	4.75	7.40	2.89	.98	5.73	5.10	9.54	8.87	2.94	6.22	54.42
April	4.06	6.99	5.43	4.93	4.73	2.12	13.92	4.20	10.95	6.47	63.80
May	5.41	8.13	8.28	3.91	7.48	1.84	5.07	3.09	14.31	2.76	50.26
June	7.73	1.35	6.50	6.83	6.83	6.87	5.73	11.14	1.64	3.97	51.59
July	2.02	5.75	5.03	4.29	6.44	5.85	4.46	5.25	2.58	5.57	47.34
August	11.91	10.42	11.89	5.95	2.36	10.71	.06	8.73	4.78	12.33	79.14
September	2.37	9.40	9.27	9.95	9.11	14.01	7.85	9.18	3.57	18.86	93.57
October	8.19	11.29	13.35	9.70	11.06	1.14	2.01	4.63	11.74	7.85	83.96
November	8.03	2.68	6.31	13.89	8.2	16.61	17.04	7.04	15.11	9.32	97.35
December	6.08	16.00	5.84	10.23	8.12	12.43	4.24	13.61	16.51	4.42	97.48
TOTALS	67.76	89.07	99.63	87.95	79.73	95.26	84.57	104.07	89.03	99.02	896.29

→ § Turf wall round gauge.

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. 3638 T.F. 39

RAINFALL at [§] Thirlmere (Dale Head Hall)

County of Cumberland

Observer Manchester Corp. W.W.

River Basin Derwent - 2

Type of Gauge.

Annual Average 86.7 in. based on 5 years obs. un-weighted. Period of average 1881-1915 Ref. 9.B.408
 " 90.65 " " 27 " " 1931-57 1916-50 S
 File No. 196738/52

E=0/34/50

Diameter ...	5'			592	849						
Height ...	10"					1					
Altitude ...	620'					51					
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January	8.99	7.41	4.19	7.45	7.19	5.71	15.34	8.69	6.54	11.06	82.57
February	10.52	2.09	3.69	7.45	3.69	1.69	10.08	11.60	2.48	11.47	64.66
March	8.84	5.60	1.28	6.99	2.75	3.99	6.82	2.07	8.29	3.20	49.83
April	7.08	5.48	6.67	1.83	3.09	1.85	1.95	2.94	7.68	8.27	46.84
May	4.38	4.68	4.64	7.44	6.98	3.91	4.19	7.83	2.20	3.55	49.83
June	2.32	4.06	3.83	6.66	5.35	4.30	2.40	5.75	5.38	4.22	44.27
July	4.58	5.03	9.89	8.02	3.61	7.98	5.91	4.68	6.74	8.08	64.52
August	9.84	11.01	9.01	6.99	4.13	12.51	9.46	7.04	1.34	5.33	76.66
September	13.55	8.89	13.07	14.12	5.23	6.11	8.92	11.23	1.29	5.43	87.84
October	1.74	9.63	5.91	18.04	6.02	7.11	10.52	8.26	11.63	6.24	85.00
November	22.38	5.24	15.09	22.27	4.25	3.72	4.62	1.98	14.22	18.59	112.36
December	17.96	7.07	5.84	13.76	11.45	11.12	11.05	8.83	19.55	10.19	119.82
TOTALS ...	112.18	76.09	83.11	121.05	63.74	72.90	91.26	80.90	87.34	95.63	884.20
	D	D	D	D	D	D	D	D	D	D	

Inscr. July 1956 Deeks. 9/2 W.

§ Turf Wall.

Position of Station on Ordnance One-Inch map : No. of Map National Grid Reference 35 / 3147175

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

Summary of Earlier Records from 10-year Sheets :

1916-1950, P - Rejected

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