

RAINFALL AT Windermere Holebird

70

Lat..... Lon..... County of Westmorland
 Rain Gauge, by..... Observer... Robt. M. Dunlop

Diameter.....					8							
Height.....					1							
Altitude.....					420			425				
Year.....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.	
January.....						9.35		9.33	7.05			
February.....						2.70		8.60	3.30			
March.....						2.08		5.05	4.65			
April.....						1.0		3.25	3.07			
May.....						4.85		1.90	4.80			
June.....					3.32	4.75		6.30	5.45			
July.....					2.95	4.98		5.90	3.0			
August.....					8.26	2.00		5.00	5.27			
September.....					7.44	7.33		6.36	7.09			
October.....					15.25	11.60		8.64	4.06			
November.....					5.24	7.22		11.58	3.22			
December.....					6.30	5.0		8.33	3.60			
TOTALS.....						57.46	—	80.24	51.86			

1876 N.O.

1877 nothing within 60 or 70 yards of gauge

1879 no ref

RAINFALL AT Windermere HolahindLat. 54° 24' NLon. 2° 55' WCounty of WestmorelandSunderRain Gauge, by CassellObserver W. G. Green Esq.Leven - 2.

Diameter ..				5							
Height				1 0							
Altitude ..				483							
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..				10.23	8.92	3.78	11.56	3.01	10.34	6.45	
February ..				8.88	5.94	4.35	4.92	5.32	4.50	4.47	
March				9.70	6.20	5.80	4.69	6.48	6.28	5.20	
April				2.17	6.45	6.82	1.88	3.30	3.61	5.00	
May				4.21	3.75	2.51	8.26	6.27	5.66	4.03	
June				2.92	2.79	3.27	2.07	10.23	3.48	2.97	
July				5.54	3.57	2.40	3.44	3.33	4.94	7.19	
August				9.66	5.24	5.80	6.03	6.83	7.49	3.69	
September ..				7.48	4.29	4.10	2.82	1.16	8.20	3.93	
October				14.41	3.98	4.42	7.91	7.83	3.97	12.95	
November ..				4.13	5.58	8.85	6.71	6.48	5.73	3.93	
December ..				6.35	7.65	5.29	4.93	9.60	6.22	12.63	
TOTALS ..				85.68	64.36	57.39	65.22	69.84	70.42	72.44	

1903 Troutbeck Church $\frac{1}{2}$ miles N
 Grasshouse 10 furlongs 72 ft N
 Wall 10 - 90 - E.S.W
 Windermere Station $\frac{1}{2}$ miles S

RAINFALL at

Windermere Holshuid

County of Westmorland

Observer W. G. Grovesley

River Basin

Leven

2

Snowdon

Rain Gauge, by Casella

Diameter ...	5											
Height	10											
Altitude ...	453 L											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	
January ...	9.56	4.78	8.17	7.91	6.63	7.70	10.81	3.98	9.67	9.43		3369
February ...	10.53	10.88	6.09	5.37	10.57	12.84	7.26	1.90	9.84	1.90		2090
March	3.79	3.04	10.08	9.04	7.22	2.58	2.49	3.42	3.06	7.05		1602
April	4.44	4.78	2.04	8.14	1.81	3.70	3.88	2.65	1.37	3.72		1162
May	3.23	3.26	3.07	4.19	2.93	1.75	4.83	3.65	2.55	2.21		1324
June	1.79	4.79	7.99	5.92	2.34	1.48	5.38	3.72	2.72	2.88		1470
July	5.06	1.07	6.60	1.13	4.79	6.50	3.38	1.87	6.94	1.99		1418
August	10.00	5.29	7.70	2.41	6.64	3.48	4.10	11.90	5.18	5.13		2631
September ..	.74	5.98	2.73	2.79	4.90	1.91	3.08	6.60	15.08	6.73		3149
October ...	3.60	7.73	9.26	4.98	2.26	2.17	13.36	11.07	10.27	2.43		3713
November ...	6.49	11.13	7.18	9.07	10.94	3.84	10.30	7.30	4.97	5.14		2771
December ...	8.91	13.34	12.60	6.07	10.65	12.04	6.24	3.79	12.62	11.73		3438
TOTALS ...	68.14	76.07	83.51	67.02	71.68	60.39	75.11	61.85	84.27	60.34		2815
	D	D	D	D	D	D	D	D	D	D		

+ 1912 Sept. 4 in ditch in garden. Sweet peas 6' high had been allowed within 3' of g. but observer promised to keep clear in future.

1913 Raspberry 5 ft high 50 ft SE
 Wall 10 " 70 " E, S + W
 Flower Home 10 " 72 " N

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1911	54 24.	2 55. W	Windermere	1 1/2 mi	S	Thoutbeck	1 1/2 mi	N.

RAINFALL at Windermere HolchindCounty of WestmorlandObserver H. G. Groves Esq 2nd 11/17River Basin Severn 2H. G. Groves EsqSnarodon Rain Gauge, by Laselle

Diameter ...	5"											
Height	10											
Altitude ...	483											
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 MEANS.	
January ...	10.82	13.56	8.70	6.64	7.19	7.73	10.07	8.04	18.75	3.50	12.43	10743
February ...	8.59	.28	7.08	9.83	1.17	8.07	10.45	5.34	8.18	2.21	.71	6191
March	9.36	9.67	4.86	2.62	2.44	2.16	4.47	6.92	7.76	1.50	4.02	5578
April	7.31	1.99	3.57	5.39	3.45	7.46	3.56	3.88	3.35	2.86	2.99	6580
May	8.24	4.96	4.12	4.33	7.47	7.78	2.95	3.20	1.18	4.07	2.45	5075
June	3.66	.36	2.69	1.84	4.47	.27	4.18	4.86	8.34	3.18	2.42	3627
July	8.07	4.42	7.23	6.38	6.65	2.24	5.44	5.83	8.17	7.08	4.12	6563
August	3.82	10.61	6.52	11.17	5.62	6.07	6.16	7.77	9.27	8.88	10.03	8542
September...	4.11	2.34	5.09	7.87	9.02	5.95	6.17	9.37	4.73	3.11	4.24	6210
October	2.90	3.67	3.01	13.79	6.39	9.44	6.04	7.97	12.25	9.65	12.44	8755
November...	5.08	4.13	3.98	11.07	6.03	3.54	12.12	8.41	15.54	15.70	9.02	9462
December...	8.17	11.77	10.65	8.21	4.76	6.08	2.16	2.34	6.88	13.48	8.07	9257
TOTALS...	80.13	67.66	67.50	89.14	74.66	66.79	73.77	73.93	104.40	74.71	73.04	84583
	D	D	D	D	D	D	D	D	D	D	D	

1920 Raspberries 5 ft high 50 ft S.E.
 Wall 10 " " 90 " E.S. & W
 Glasshouses 10 " " 72 " N

1930 Observer gives his average for 28 years as 72.78"

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 from gauge	Parish Church.	Distance from gauge	Direction from gauge
1920	54° 24'	2° 55'	Windermere	1 1/2 mi	S	Groulbeck	1 1/2 mi	N

RAINFALL at Windermere (Holebird)County of WestmorlandObserver H. L. Groves, Esq.River Basin Leven - 2

Type of Gauge

Annual Average 68.0 in. based on 26 years obs. un-weighted. Period of average 1881-1915 Ref. 5

895800/29.

Diameter	5.											
Height	1. 0.											
Altitude	483.											
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means	
January	7.31	11.24	7.57	10.37	2.85	8.50	7.59	10.37	9.45	4.77	8102	
February	7.37	.17	6.63	.47	10.99	3.49	10.47	3.76	8.84	2.71	5490	
March	1.07	5.68	5.46	4.99	2.41	4.59	3.16	4.48	4.50	7.56	4380	
April	3.49	5.86	3.04	5.22	5.09	1.20	4.34	.86	2.94	2.96	3494	
May	4.36	6.09	3.54	5.62	.67	1.12	3.68	6.59	1.48	1.39	3354	
June	7.75	3.48	2.81	3.61	6.02	5.93	3.30	8.67	4.00	1.17	4774	
July	7.41	6.90	4.59	2.15	2.98	6.15	4.10	10.58	9.36	7.44	6166	
August	4.68	1.68	4.44	7.17	4.60	4.84	3.59	4.75	2.95	1.92	4662	
September	2.65	8.46	1.27	9.73	12.51	7.45	4.92	3.95	3.38	5.28	5960	
October	5.28	11.21	5.04	11.29	11.65	6.30	4.01	16.86	2.69	7.58	8291	
November	14.54	5.82	3.02	1.60	7.04	7.42	2.62	12.25	12.13	8.62	7506	
December	6.49	11.24	1.75	12.48	4.70	10.89	6.64	7.54	2.77	8.31	7379	
TOTALS	72.40	76.73	49.16	74.70	71.51	67.86	58.42	91.16	67.59	59.65	68918	
	D.	D.	D.	D.	D.	D.	D.	D.	D.	D.	D.	

1931. Raspberries 5' high 50' S.E. Garden wall 10' high 90' E.S. & W. Glasshouses 10' high 72' N.
 Apple tree 6' high 10' S.W.

 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
1931.			Windermere	1 1/2 m	S.	Louthbeck	1 1/2 m	N.

Station No. 3696RAINFALL at Windermere (Hole-Rind)

41

County of Westmorland Observer H. L. Graves - Esq.River Basin Lacross - 2Type of Gauge No.Annual Average 68.9 in. based on 26 years obs. unweighted. Period of average 1881-1915 Ref. SFile No. 895800/29.

Diameter	5'				587	328					
Height	1' 0"					1					
Altitude	483'					41		678	500'	500'	
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	1.95	8.41	13.13	9.41	5.89	9.98	7.58	11.78	4.18	(4.62)	7793
February	8.59	2.59	4.56	3.48	8.30	5.76	1.06	5.61	4.41	8.45	5581
March	3.96	5.42	2.20	.79	4.41	3.97	8.91	4.35	2.40	4.85	4226
April	1.98	3.86	4.22	4.90	3.77	1.64	8.14	2.67	5.60	5.15	4393
May	4.20	5.12	6.67	3.03	5.12	1.99	4.05	2.07	3.10	2.19	3754
June	.50	.86	4.32	4.39	4.80	6.16	3.88	7.04	.85	3.18	3598
July	2.13	4.64	5.53	3.76	4.38	5.82	4.31	2.78	2.74	6.46	4355
August	7.09	6.72	9.55	4.92	3.55	6.27	.21	6.45	2.62	11.20	6058
September	2.10	6.37	7.68	7.12	6.08	12.09	4.87	6.78	1.39	14.54	7002
October	8.24	7.43	8.26	7.87	8.41	.94	1.29	4.86	6.51	6.23	6304
November	5.48	2.06	4.34	11.48	.46	11.80	10.54	5.61	7.96	6.62	7135
December	4.03	10.09	3.44	8.76	5.08	8.82	3.52	6.57	8.81	4.04	6910
TOTALS	50.25	63.57	73.90	69.91	60.25	75.24	58.36	66.51	50.57	77.53	67309

1941: Raspberry bushes 5' high 50' S.E. Garden Wall 10' high 90' E. 50' W. Glasshouse 10' high 78' N.

1944 As above and Apple tree 8 ft. 6 ft. N.E.

1945 " " " " 6 ft. 10 ft. S.E.

1948 Gauge moved 45 ft. W. in July. - Raspberry 5 ft. high 50-80 ft. S.E. Garden wall 10 ft. - 60 ft. S.W. Apple bushes 6 ft. - 10-24 ft. N.E.

1949 N.B. Low

1950 6 ft. funnel leaking, replaced. Glasshouse 10-24 ft. - 70-80 ft. N.W.

1950 Jan 1st added due to funnel defect.

32334 66674 40004

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.
1941			Windermere	1 1/2 miles	S.	Trautbeck	1 1/2 miles	N.

BRITISH RAINFALL ORGANIZATION

Station No. 3696

RAINFALL at Windermere (Holebird)

51

County of Westmorland

Observer H. L. Groves Esq.

River Basin Laver - 2

Type of Gauge M.O.

Annual Average 68.0 in. based on 26 years obs. un-weighted. Period of average 1881-1915 Ref. S
71.13 - - - 35 - - 1916-1950 1916-1950
File No. 895800/p9 P

Diameter ...	5"				587	328					
Height ...	1' 0"					1					
Altitude ...	500'					51					
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	8.19	6.61	4.63	6.47	6.21	6.42	10.43	8.44	4.12	11.52	
February ...	7.44	1.16	3.86	6.43	2.18	1.58	7.03	8.60	2.60	8.04	
March ...	6.48	4.81	.98	5.25	2.81	3.32	6.23	2.04	5.85	2.02	
April ...	4.15	4.78	4.71	2.50	3.62	1.56	1.51	1.83	6.11	6.10	
May ...	2.14	4.20	3.18	4.63	4.34	3.88	4.73	6.24	1.35	3.51	
June ...	1.55	5.07	4.45	7.11	5.11	2.75	2.72	5.18	5.44	3.64	
July ...	3.99	3.28	4.83	5.98	2.62	6.24	4.17	4.59	6.70	7.95	
August ...	7.65	7.96	8.57	8.07	3.49	11.19	6.89	5.51	1.28	5.11	
September ...	9.50	5.82	10.78	13.23	4.60	6.04	7.07	8.84	1.37	5.01	
October ...	1.02	7.28	3.57	15.12	5.89	5.87	8.66	8.41	8.27	5.91	
November ...	13.08	3.80	11.62	14.32	3.80	2.42	2.78	1.99	9.20	13.24	
December ...	15.22	7.30	4.98	4.99	10.45	8.60	7.04	6.19	14.59	7.77	
TOTALS ...	80.41	62.07	72.16	99.10	55.78	59.81	69.26	67.86	66.88	79.82	
	D	D	D	D	D	D	D	D	D	D	

1951 Stone Wall (bank) 15' 4.5' N.W.; Iron Fence 4', 29' S.W.; Stone Wall 6' 2' 31' N.E.;
 Stone Wall 5' 30' S.E.
 1955 Stone wall 6' - distance 31' N.E.; Stone wall 5' - distance 30' S.E.; Railway 4' - 6' distance 29' S.W.

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference M(35) 413 007

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge.	Direction
1951			Windermere	1 1/2	S	Trounbeck	1 1/2	N.

Summary of Earlier Records from 10-year Sheets :

1916-1950 P-accepted

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	✓	✓	✓	✓ np 49	
10	✓	✓	✓	✓	