

Rainfall at Esthwaite Lodge - w. Kendal

E-W-15

12 m. WNW of Kendal 494 from margin of Esthwaite Lake
Observer Thos. A Beck

Yard

19 ft above Lake & Above Sea Level 215 ft

YEAR --	1830	1831	1832	1833	1834	1835	1836	1837	1838	1839	MEANS.
January --								5 32	2.50	7.44	
February - -								8 38	2.10	7.85	
March - - -								2 78	6.00	8.06	
April - - -								3 24	4.54	1.50	
May - - - -								1 13	4.10	1.79	
June - - - -							10.82	6 60	7.93	4.89	
July - - - -							10.60	5 72	6.73	12.14	
August - - -							7.12	3 41	8.38	8.84	
September -							7.70	5 18	2.80	13.49	
October - -							6.62	8 53	12.39	6.45	
November -							11.50	9 66	6.32	6.78	
December -							13.18	9 20	6.68	7.06	
TOTALS -							69.15	70.47	86.29		

7 Daily values supplied by Major Beck

7 Whiskerfoot Sch of Eng

In 1839 another gauge was a peninsula running out into the lake middle of the lake and being 42 ft. from lake gave 75.21. This gauge is more exposed to the sea than the old one and is only emptied once a week, the one in the garden is emptied daily —

"W. Beck began in 1836 or 1837." Miller in Phil. Trans.

Rainfall at Esthwaite Lodge
Lancashire

40

Diameter of Gauge, in. Height above Ground, ft. in. Above Mean Sea Level 215 ft.

YEAR - -	1840	1841	1842	1843	1844	1845	MEANS.
January - -	10.14	5.24	4.82	9.09	6.89	7.41	
February - -	5.67	4.61	4.17	2.21	5.94	3.24	
March - -	-5.8	6.93	8.47	5.15	8.18	7.01	
April - -	2.25	3.10	4.45	9.06	3.64	5.66	
May - -	3.76	6.51	3.74	3.82	.12	1.62	
June - -	5.43	3.24	5.35	6.14	4.79	4.96	
July - -	9.83	4.10	7.14	7.33	3.46	4.60	
August - -	7.35	8.44	4.74	5.28	5.82	6.35	
September -	8.54	6.20	2.21	.76	7.37	5.75	
October - -	3.80	8.86	4.86	11.89	6.79	9.67	
November -	7.15	6.36	9.89	11.41	4.58	8.77	
December -	1.86	10.67	10.38	3.61	1.07	14.53	
TOTALS -	66.36	74.26	66.22	73.25	58.89	79.47	

ccccc

41 All Daily values supplied by Major Alcock & Beck

Draft

RAINFALL AT Hawkshead Esthwaite Lodge Garden

Lat. Lon. County of Lancashire
 Rain Gauge, by Observer Major Alcock-Beck

Seven & 62

Diameter										5	
Height										3.6	
Altitude										232 T	
Year.....	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January									5.87	3.81	5.80
February									3.56	1.27	5.13
March									2.94	3.74	5.25
April									2.68	2.71	3.08
May									2.44	3.20	4.04
June58	2.12	.93
July									2.79	8.82	3.82
August									2.12	5.52	6.70
September....									6.65	2.91	3.90
October									8.12	3.49	7.77
November....									7.19	4.62	9.98
December....									9.88	6.09	8.45
TOTALS									43.83	60.24	57.72

Hawkshead Church 1 mile N by W.

Low shrubs 5ft high 24ft W

" " 5 " 18 " N.

80

RAINFALL AT Hawkshead Esthwaite Lodge
Pennine

Lat.

Long.

County of Lancashire

Rain Gauge, by

Observer Major Alcock Beck

Leven & 6 2

Diameter											5	
Height											3.6	
Altitude											254 T	
Year.....	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.	
January											5.48	3.27
February											3.42	.85
March											2.31	3.26
April											2.36	2.38
May											1.86	2.50
June23	1.68
July											2.39	8.57
August											1.89	5.52
September.....											6.12	2.80
October											7.84	3.14
November.....											6.32	2.54
December											8.91	5.25
TOTALS											36.99	55.63
												53.00

Hawkshead Church 1 mile N by W

RAINFALL AT Hawkshead Esthwaite Lodge

Lat.

Lon.

County of Lancashire

Rain Gauge, by

Observer May Alcock Beck

Leven + 6.2

Diameter	5										
Height	3 6										
Altitude	232 T										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	10.70	5.21	7.60	2.88	9.11	3.85	6.19	1.63	6.56	11.20	6.1493
February	1.07	1.24	2.90	11.34	12.21	1.67	5.72	6.00	7.15	4.88	5.4418
March	6.11	3.30	2.32	2.92	5.03	7.10	9.35	10.36	2.99	4.86	5.4814
April	2.49	3.27	2.29	1.04	2.39	4.18	2.44	3.49	5.96	7.29	2.1484
May	3.97	2.39	6.62	3.74	5.20	.71	.52	3.05	3.64	6.39	3.623
June	5.75	2.34	3.59	2.06	4.02	2.25	3.62	5.78	4.60	2.00	2.601
July	5.51	3.15	4.67	4.38	5.37	8.33	6.81	3.08	1.47	3.68	11.6445
August	5.73	13.30	10.28	7.01	5.68	6.41	4.95	9.15	10.61	1.88	9.500
September	7.44	9.14	12.17	7.61	.33	2.39	9.12	6.15	4.57	7.60	6.682
October	5.08	7.97	7.38	8.83	7.85	6.66	7.66	4.69	6.20	5.40	6.722
November	12.70	7.89	6.48	4.65	9.93	6.84	2.33	10.50	7.98	7.46	9.676
December67	13.25	5.26	9.22	9.59	8.15	10.32	11.13	10.38	5.08	8.205
TOTALS ..	67.22	72.45	71.56	65.68	76.21	58.54	69.03	75.01	72.41	67.72	69.583

RAINFALL AT Hawkshead Esthwaite Lodge

Lat. Lon. County of Lancashire

Lon.

County of Lancashire

Rain Gauge, by Observer Major Alcock Beck

Observer Major Alcock Beck

Seven 2

RAINFALL at Hawkhead Esthwaite Lodge

County of North Lancashire

Observer

Mif Brown

River Basin.

Leven & 2

Honored Rain Gauge, by

Diameter ...							5			
Height							6			
Altitude ...							224			
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	MEANS.
January ...							11.06	4.53	10.01	10.24
February ...							7.76	1.93	9.40	2.10
March							2.10	3.94	3.27	7.00
April							4.95	2.76	1.53	3.68
May							5.62	4.34	2.38	2.12
June							4.74	3.58	3.09	2.79
July							3.85	2.29	7.48	2.08
August							3.99	10.54	5.87	5.30
September...							1.34	3.97	7.39	16.61
October ...							2.34	13.54	12.86	10.75
November..							4.16	9.46	8.12	5.04
December...							12.23	6.39	4.80	13.48
TOTALS ...							76.83	67.10	88.91	63.96

1919 Rec'd 30 Sept & End 17 Dec 1917
 Pines 7-10 ft high 25 ft E
 Shrubs 4-10 ft 10-12 ft S.W.

Date.	Lat. N.	Long. W.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
54-20.	3		Coniston	5 m	W	Hawkhead	1 m	N

RAINFALL at Hawkshead Esthwaite Lodge

County of N. Lancashire

Observer W.S. Turner Esq.

River Basin Lune & C. 2

Rain Gauge, by _____

Diameter ...	5"										
Height	0.6										
Altitude ...	224										
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEANS.
January ...	10.87	15.74	9.98								
February ...	8.59	4.43	7.71								
March	9.96	10.93	4.65								
April.....	8.13	2.25	2.97								
May	9.26	5.46	4.09								
June	3.59	4.40	3.10								
July	9.56	3.90	(7.59)								
August	4.21	10.48	#								
September...	5.82	2.61									
October.....	3.79	4.65									
November...	5.06	4.65									
December...	8.17	12.60									
TOTALS...	87.00	74.10									
	↓	↓	↓								

1920 Shrubbs q/t high 12 yrs E + W
 1922 July 22nd. Gauge moved 1/2 mile N.W. to Highfield.

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

Date.	Lat. N.	Long. W.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge	Direction
1920	54° 22'	3°	Coniston	5 mi	W	Hawkshead	1 mi	NW