

Rainfall at Esthwaite Lodge. n. Kendal E-W-15  
 12 m. WNW of Kendal 494 from margin of Esthwaite Lake  
 Observer. Thos. A. Beck Y.H.C.

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 --								2.70	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. Alex. Beck  
 7 Whistcraft Ch of Eng.

In 1839 another gauge on a promontory running out into the lake middle of the lake and being 42 ft. x the lake gave 75.21. This gauge is more exposed to the sun 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, <sup>215</sup>..... 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 - -	.58	6.93	8.47	3.15	8.18	7.01					
April - -	2.25	3.10	.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	11.39	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	1.01	14.53					
TOTALS -	66.36	74.26	66.22	73.25	58.59	79.47					

211 All Daily values supplied by Major Alcocke Becke

Scrap

# 80

## 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 ....							232T				
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	
June .....								1.58	2.12	1.93	
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	7.71	7.77	
November....							7.19	4.62	9.98	4.07	
December ....							9.88	6.09	8.45	7.23	
TOTALS ....								43.83	60.24	57.72	

Hawkshead Church 1 mile N by W.

Low shrubs 5ft high 24ft W

" " 5 " " 18 " N.



# RAINFALL AT *Hawkshead Esthwaite Lodge* 80 *Pennine*

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

*Leven 262*

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	5.70		
February ....							3.42	.85	4.29		
March .....							2.31	3.26	4.81		
April .....							2.36	2.38	2.82		
May .....							1.86	2.50	3.60		
June .....							.23	1.68	.77		
July ..							2.39	8.57	3.51		
August .....							1.89	5.52	6.67		
September....							6.12	2.80	3.59		
October .....							<sup>#</sup> 7.84	3.14	7.47	7.19	
November....							6.32	2.54	9.07	3.68	
December ....							8.91	5.25	8.26	6.37	
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 *Major Albert Beck*

*Seven + 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	6.4493	
February ....	1.07	1.24	2.90	11.34	12.21	1.67	5.72	6.00	7.45	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	5.4311	
April .....	2.49	3.27	2.29	1.04	2.39	4.18	2.44	3.49	5.96	7.29	3.4184	
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	3.601	
July .....	5.51	3.15	4.67	4.38	5.37	8.33	6.81	3.08	1.47	3.68	4.6415	
August .....	5.73	13.30	10.28	7.01	5.68	6.41	4.95	9.15	10.61	1.88	4.500	
September....	7.44	9.14	12.17	7.61	.33	2.39	9.12	6.15	4.57	7.60	6.652	
October .....	5.08	7.97	7.38	8.83	7.35	6.66	7.66	4.69	6.20	5.40	6.722	
November....	12.70	7.87	6.48	4.65	9.93	6.84	2.33	10.50	7.98	7.46	4.676	
December ....	.67	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 Hawkehead Estuarine LodgeCounty of North LancashireObserver My BrownRiver Basin Leven & C 2Howard Rain Gauge, by \_\_\_\_\_

Diameter ...							5					
Height .....							6 6					
Altitude ...							224					
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	
January ...							11.06	4.53	10.01	10.24		
February ...							7.76	1.93	9.40	2.10		
March .....							2.10	3.96	3.27	7.00		
April .....							4.95	2.76	1.53	3.68		
May .....							5.02	4.34	2.38	2.12		
June .....							4.74	3.58	3.09	2.79		
July .....							3.85	2.29	7.48	2.38		
August .....							3.99	10.54	5.87	5.30		
September...						1.34	3.97	7.39	16.61	7.53		
October ...						2.34	13.54	12.86	10.75	2.64		
November..						4.16	9.46	8.12	5.04	5.85		
December...						12.23	6.39	4.80	13.48	12.33		
TOTALS ...							76.83	67.10	88.91	63.96		

1915 Rec'd 30 Sept & Oct 1917  
 Pines 7-10 ft high 25 ft E  
 Shrubs 4-15 ft 10  
 12 ft S.W.

Date.	Lat. N.	Long. W.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
	54.20	3	Coniston	5.71	W	Hawkehead	1.71	N

RAINFALL at Hawkeshead Esthwaite LodgeCounty of N. LancashireObserver W. S. Turner Esq.River Basin Severn & 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	4.3	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	4.0	3.10								
July .....	9.55	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									
	D	D	D								

1920 shrubs 9 ft high 12 yds E + W

1922. July 22nd: Gauge moved 1 1/2 mile N.W. to Highfield.

Position of Station on reduced Ordnance Survey  
Map, 2 miles to 1 inch Series

No. of Map \_\_\_\_\_

Reference No. \_\_\_\_\_

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