

247  
166 ft + d.L.

YEAR - -	1840	1841	1842	1843	1844	1845	1846	1847	1848	1849	MEANS.
January - -						11.00	12.97	3.99	6.06	21.35	
February - -						3.40	6.60	6.40	19.92	6.27	
March - - -						10.37	10.35	1.91	9.15	4.94	
April - - -						7.40	6.59	5.37	3.24	3.55	
May - - - -						4.13	3.65	5.30	1.54	5.60	
June - - - -						6.15	5.33	6.62	9.07	3.29	
July - - - -						5.36	5.42	16.82	3.80	10.66	14.29
August - - -						10.74	12.31	0.96	7.79	10.74	7.65
September -						9.23	7.53	3.79	11.94	5.47	4.22
October - -						9.45	12.35	15.75	13.53	11.88	14.84
November -						5.26	12.31	8.59	17.54	11.10	14.39
December -						1.47	16.10	6.53	12.15	15.69	6.83
TOTALS -						80.01	108.53	105.93	96.34	115.32	107.22

C C C C C C

5-9 Phil Jr 8-22

7 is not the pencil value belonging to Gatesgarth 1844

14.3

From Oct. 1846 to the close of Sept. 1847 two gauges were stationed at Westdale Head, within 150 or 200 yards of each other; the gauge nearest to the head of the Valley & also to Sca Fell & Great Gable, received 3.59 in more than the other.

1846 - Frequently printed (incorrectly) as 106.93

1845 - Total misprinted as 109.55 in Mr. S. Marshall's summary.  
and as 100.55 in Britannia

RAINFALL AT Wasdale Head

40

1202

Observer D. Miller

Rain { By .....  
 Gauge { Diameter ..... in.      Height above Ground, ..... ft. ..... in.      Above Mean Sea Level ..... ft.

YEAR.....	1845	1846	MEANS.
January .....		12.47	
February .....		6.58	
March .....		10.07	
April .....		6.16	
May .....		3.44	
June.....		4.88	
July .....		16.59	
August.....		0.97	
September.....		3.64	
October .....	11.84		
November.....	11.90		
December.....	15.78		
TOTALS .....			

c c

Rainfall at Wardale Head  
Muller's Map No XIV

Observer

Gauge

Above Sea Level 247 ft

YEAR - -	1850	1851	1852	1853	1854	1855	1856	1857	1858	1859	MEANS.
January - -	7.26	14.47	17.32	13.71							
February - -	15.25	11.66	13.07	3.61							
March - - -	3.55	6.94	.70	3.57							
April - - -	9.34	4.16	1.47	7.96							
May - - - -	4.78	4.36	0.83	.66							
June - - - -	5.97	8.90	8.75	3.92							
July - - - -	9.75	9.01	5.65	15.97							
August - - -	11.28	10.89	9.77	8.00							
September -	3.93	3.79	3.20	0.07							
October - -	11.60	14.74	7.71	9.11							
November -	17.82	3.96	11.70	7.56							
December -	8.23	5.06	21.41	1.25							
TOTALS -	108.76	97.94	109.58	83.39							

C C C C

O = 87-59

1852 - Agrees with ppt by J.F.M.

J Fletcher Esq.

Diameter of Gauge, 4 in. Height above Ground, 6 ft. Above Mean Sea Level, 247 ft.

YEAR - -	1864	1865	1866	1867	1868	1869	MEANS.
January - -	6.05	8.30	12.93	9.86	6.17	10.85	
February - -	5.00	6.76	7.47	9.20	10.53	11.75	
March - - -	7.39	4.66	8.15	4.27	16.48	2.06	
April - - -	3.28	2.86	3.31	10.12	7.08	7.70	
May - - -	4.33	9.19	2.27	4.43	4.10	4.18	
June - - -	7.42	1.07	5.38	2.92	2.53	4.76	
July - - -	6.00	5.00	8.17	9.18	2.67	4.90	
August - -	9.80	10.33	10.15	10.03	9.78	4.75	
September -	9.50	5.96	11.44	9.22	3.72	14.72	
October - -	5.46	8.47	5.64	8.53	10.90	9.47	
November -	9.02	8.04	15.60	2.09	5.92	16.86	
December -	13.53	5.09	12.40	9.34	15.50	9.00	
TOTALS -	86.78	75.73	102.52	90.79	95.38	101.00	
				104.31			

✓ c c c c c c

1866 Feb. 7th is the fall at Mosedale, the above entry of 8.87  
is correct according to Wilson's original return to Mr. Fletcher. 6/8/

1867- Agrees with ppt by S. Marshall

## RAINFALL AT Nettlehead.

Lat..... Lon..... County of Cumberland  
 Rain Gauge, by..... Observer I Fletcher Eng M P

Diameter.....										• 4
Height.....										• 6
Altitude.....	247									247
YEAR	1870	1871	1872	1873	1874	1875	1876	1877	1878	MEAN.
January.....	8.90		17.23		11.36	13.80		11.70		
February.....	5.36		11.76			1.85			72.87	8.80
March.....	0.00		8.70				10.20		5.83	7.30
April.....	--	5.90	7.46					4.00	3.35	3.00
May.....	9.58		4.08			7.55	1.35	7.00	3.35	3.60
June.....	4.27		8.98		1.92	7.38	6.60	7.50	5.10	4.00
July.....	3.00		6.30		4.61		5.00	15.10	2.00	11.30
August.....	2.56		8.89			8.10	6.00	11.27	7.15	9.90
September....	0.58		20.10		11.00	7.70	9.60	4.75	12.00	12.40
October.....	15.60		16.03	11.96		7.20	4.90	17.00	10.90	8.35
November.....	5.65		10.24	7.75		12.50	7.00	17.75	3.85	2.55
December.....	6.23		11.53	7.58	8.40		11.50	14.75	3.85	8.30
TOTALS.....	7773		131.30					126.82	80.25	79.50
	C		C							

Letter from J. Macland 7.10.79 I have removed the gauge at Nettlehead to a secure place it was too near the inn & funnel knocked off

RAINFALL AT *Wastdale Head*

80

Lat.

Lon.

County of Cumberland

Rain Gauge, by

Observer J. Maithland, Esq.

Mr. E. Wilson

West Coast Streams - 3

Diameter .....	4										
Height .....	6										
Altitude .....	2497	T 2047									
Year .....	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January .....	frozen	65	5.70	frozen	10.30	4.90	9.75	4.90			8.30
February .....	11.15	frozen	5.80	7.70	9.00	12.44	frozen	6.80			frozen
March .....	6.68	"	5.00	2.00	6.60	6.20	11.10	3.00	12.15	12.65	
April .....	3.20	2.44	0.640	3.30	3.75	9.10	3.13	6.10	5.75	4.85	
May .....	8.80	9.00	5.65	3.80	8.00	4.50	6.25	2.70	2.30	5.10	
June .....	9.35	8.75	9.60	5.25	2.55	4.30	3.37	2.20	2.55	2.30	
July .....	8.45	9.57	15.10	4.07	6.70	9.45	10.35	6.45	7.90	6.00	
August .....	4.50	10.43	7.47	9.90	3.05	3.60	6.48	2.10	7.15	10.94	
September .....	7.10	6.10	6.61	8.10	8.05	12.18	11.50	8.75	7.40	8.45	
October .....	2.40	3.15	4.91	8.00	8.30	8.90	8.10	9.20	8.15	10.91	
November .....	10.50	6.50	11.00	10.50		7.35	9.25	3.70	10.40		17.85
December .....	13.90	8.00	8.30	10.24	8.40	5.10	9.20	5.50	9.45		
TOTALS .....	81.03	86.55	91.56	82.86	80.30	88.02	88.78	61.40	73.20	87.35	82.105

# RAINFALL AT Wasdale Head

Lat. ....  
 West Coast Streams - 3.  
 Rain Gauge, by ....  
 County of Cumberland  
 Observer G. J. Symons Esq. F.R.S.  
 Monthly

Diameter ....	4	Height ....	0 6	Altitude ....	204 T	Year .....	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January .....	5.45		9.80	2.20	10.80	5.36		1.24	9.65	14.38							
February .....	13.28		.25	2.68	14.75	9.65	12.15		6.30	7.00	8.25	10.78	10.536				
March .....	10.50		2.78	1.52	3.17	4.20	11.69		13.93	7.10	6.50						
April .....	2.75		6.65	3.16	1.43	3.50	3.45	3.80	3.85	8.08	7.98	11.466					
May .....	4.20		2.25	5.56	4.28	4.35	.60	.85	3.50	6.84	11.40	11.382					
June .....	12.00		3.00	4.20	3.50	6.95	2.80	4.65	8.45	7.18	4.69	5.942					
July .....	7.75		4.23	4.85	8.85	6.38	6.65	6.20	4.30	4.96	5.70	5.987					
August .....	10.75		14.10	16.75	8.45	10.15	10.80	6.70	11.30	8.05	3.80	10.083					
September .....	9.95		14.15	11.14	8.00	.30	3.70	10.95	6.50	9.65	8.72	8.201					
October .....	6.30		8.45	8.70	12.20	9.00	8.70	10.50	4.70	7.65	7.80	8.100					
November .....	8.00		6.10	7.20	10.00	6.60	4.00	14.50	15.52	12.50							
December .....	19.10		12.20	8.55	12.60	8.55	10.30	13.50	8.90	15.04	8.67	20.183					
TOTALS .....	96.58		81.51	83.01	86.63	83.83	65.75	84.50	88.17	107.97	102.9	288.087					

1891 July 9. read on 29th.

1900 Jan. 14.00, Feb. 8.90, March 2.50, April 6.81, May 5.89  
June 8.86, July 14.98, August 11.77#