

# RAINFALL AT *Seathwaik*

Lat.....

Lon.....

County of.....

*Cumberland*

Rain Gauge, by.....

Observer .....

*W. Birkett*

Diameter .....	<i>.6</i>	.									
Height .....	<i>/</i>	.									
Altitude .....	<i>422</i>	.									
YEAR .....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January.....	<i>14.00</i>	<i>10.50</i>	<i>30.25</i>	<i>27.00</i>	<i>20.25</i>	<i>22.00</i>	<i>10.75</i>	<i>25.50</i>	<i>17.00</i>		
February .....	<i>13.25</i>	<i>16.50</i>	<i>(17.50)</i>	<i>2.00</i>	<i>10.25</i>	<i>8.75</i>	<i>15.75</i>	<i>14.00</i>	<i>11.50</i>		
March .....	<i>8.00</i>	<i>9.25</i>	<i>12.25</i>	<i>6.50</i>	<i>14.75</i>	<i>5.50</i>	<i>13.50</i>	<i>7.75</i>	<i>8.25</i>		
April .....	<i>6.00</i>	<i>6.00</i>	<i>4.75</i>	<i>1.75</i>	<i>4.25</i>	<i>4.25</i>	<i>6.00</i>	<i>5.50</i>	<i>4.00</i>		
May.....	<i>15.00</i>	<i>2.50</i>	<i>9.00</i>	<i>5.25</i>	<i>2.75</i>	<i>7.25</i>	<i>2.00</i>	<i>10.75</i>	<i>9.00</i>		
June.....	<i>4.25</i>	<i>2.50</i>	<i>12.00</i>		<i>2.75</i>	<i>10.50</i>	<i>8.25</i>	<i>10.50</i>	<i>6.00</i>		
July .....	<i>1.50</i>	<i>11.75</i>	<i>5.50</i>		<i>7.25</i>	<i>5.25</i>	<i>5.75</i>	<i>15.25</i>	<i>3.25</i>		
August.....	<i>1.50</i>	<i>8.75</i>	<i>(9.00)</i>		<i>17.75</i>	<i>7.75</i>	<i>9.50</i>	—	<i>9.25</i>		
September.....	<i>12.00</i>	<i>5.00</i>	<i>21.25</i>		<i>15.75</i>	<i>13.50</i>	<i>8.00</i>	—	<i>14.75</i>		
October.....	<i>23.00</i>	<i>5.75</i>	<i>18.75</i>		<i>29.50</i>	<i>10.50</i>	<i>7.75</i>	<i>23.00</i>	<i>15.75</i>		
November.....	<i>8.00</i>	<i>10.50</i>	<i>16.75</i>		<i>12.50</i>	<i>12.00</i>	<i>8.00</i>	<i>28.25</i>	<i>5.75</i>		
December.....	<i>6.50</i>	<i>20.75</i>	<i>19.00</i>	<i>11.50</i>	<i>7.25</i>	<i>13.50</i>	<i>18.25</i>	<i>18.00</i>	<i>5.75</i>	<i>#</i>	
TOTALS .....	<i>113.00</i>	<i>109.75</i>	<i>(176.00)</i>		<i>145.00</i>	<i>115.75</i>	<i>113.50</i>		<i>110.25</i>		

*1873 June - November Gauge out of order*

*1877 August & September Gauge out of repair*

*1879 Gauge moved to Castle Lodge*



# RAINFALL AT Seathwaite

Lat.....

Lon.....

County of Cumberland

Rain Gauge, by..... Observer .....

Diameter .....	.4	.										
Height .....	.6	.										
Altitude .....	422	.										
YEAR .....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.	
January.....	10.45	9.91	31.80	28.62	20.77	22.80	10.98	25.65	17.25	3.54	18.177	
February .....	10.12	12.00	(18.43)	2.20	10.58	3.50	15.41	14.26	11.30	7.86	105.66	
March .....	6.69	10.30	13.00	7.23	14.88	5.68	13.68	7.72	8.25	12.18	99.61	
April.....	5.45	4.18	5.36	2.07	4.30	4.54	6.15	5.56	4.10	5.05	46.76	
May .....	11.98	2.74	9.87	5.96	2.97	7.63	2.08	10.90	9.32	4.70	68.15	
June.....	6.50	2.50	12.60	7.00	2.72	11.12	8.40	10.83	6.04	10.00	77.71	
July .....	1.79	9.62	6.10	16.99	7.17	5.20	6.00	15.80	3.20	13.89	85.76	
August.....	1.50	7.43	(9.73)	18.00	18.05	8.16	9.98	11.50	9.50	13.06	106.91	
September.....	10.90	5.45	22.62	12.20	16.46	13.85	8.35	8.93	14.95	16.79	130.50	
October.....	19.88	6.28	19.63	21.30	30.35	11.22	7.15	23.26	16.34	8.62	164.03	
November.....	6.87	11.05	17.77	9.70	13.06	12.35	8.40	29.00	5.71	3.81	117.72	
December.....	(7.00)	21.79	19.34	11.96	6.98	14.00	18.00	18.15	5.00	12.76	134.98	
TOTALS .....	(114.13)	103.25	(186.23)	143.23	148.29	120.05	114.58	181.56	110.96	112.26	1334.56	

1870 24 fifteen inches short — 15 in. added



Seathwaite Daily

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# RAINFALL AT Seathwaite

Lat..... Lon..... County of... Cumberland  
 ..... Rain Gauge, by..... Observer J. Fisher Esq. R. P.

(Daily)

Diameter.....	.5										
Height.....	/					1.2					
Altitude.....	422										
YEAR.....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January.....	<del>13.48</del> 14.08	11.95	32.14	28.64	20.82	22.88	10.91	25.65	17.06	3.34	10.747
February.....	13.67	15.99	17.53	3.05	10.50	3.45	16.21	14.42	11.74	7.93	11.449
March.....	9.51	10.26	11.23	7.30	14.24	5.66	12.80	7.74	8.06	12.14	9.894
April.....	6.50	6.36	5.08	1.76	4.72	4.53	6.04	5.43	4.19	4.76	4.937
May.....	<del>13.49</del> 14.49	2.63	9.54	5.58	2.82	7.80	2.05	10.92	9.30	4.67	6.980
June.....	6.41	2.82	12.30	7.78	3.02	10.90	8.34	10.51	6.13	9.93	7.814
July.....	7.75	12.57	5.90	16.96	7.20	5.15	6.05	15.45	3.11	13.60	8.774
August.....	2.68	9.10	9.34	18.73	18.60	7.87	9.77	11.79	9.51	12.99	11.038
September.....	12.70	5.53	20.85	13.70	16.06	14.45	8.23	8.98	15.06	16.67	13.223
October.....	<sup>+</sup> 24.17	6.24	19.13	21.23	30.18	10.08	7.32	22.92	16.16	8.03	16.546
November.....	8.43	9.91	18.64	10.06	13.29	12.10	8.00	28.47	5.82	3.87	11.819
December.....	7.21	21.79	20.37	11.74	7.34	13.93	18.31	18.12	5.74	12.77	13.732
TOTALS.....	<del>119.60</del> 121.20	115.15	182.05	146.53	148.79	118.80	114.03	180.40	111.88	110.70	134.953

In Decr 1873 Mr. Marshall of Leeds wrote stating that Jan 1870 should be 14.08 and May 14.49 and on applying to Mr. Birkett he corroborated it

found to be 2% too big (Manchester W. in 1919)



# RAINFALL AT *Seathwaite*

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Lat. ....

Lon. ....

County of *Cumberland*

Rain Gauge, by .....

Observer *H. C. Marshall Esq*

Diameter....								.5	.	.	
Height ....							1.	1.	.	.	
Altitude ....							420		.	.	
Year ....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January ....							8.28	24.27	15.70	3.12	
February. ..							13.03	13.09	10.92	7.80	
March .....							13.25	7.17	7.53	10.20	
April .....							5.46	4.99	3.57	4.67	
May .....							1.88	10.27	8.82	4.38	
June .....							7.63	9.86	5.62	10.39	
July .....							5.58	14.21	2.81	11.40	
August ....							9.28	11.19	8.23	12.50	
September ..						13.78	7.50	7.46	15.03	15.74 18.74	
October ....						9.72	7.87	21.87	14.91	8.41	
November ..						11.75	6.83	26.98	5.49	2.10	
December ..						12.71	17.66	17.83	5.12	10.99	
TOTALS ..							104.25	169.19	103.75	101.70 99.70	

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