

## RAINFALL AT Cockermonth Broughton Grange

Lat.  $54^{\circ}49'15''$  NLon.  $3^{\circ}25'15''$  W County of...

Cumbria

Rain Gauge, by...

Observer...

J. S. Wilson

Diameter.....				5				5			
Height.....				1.3			1.6	1.6			
Altitude.....				203	202		209				
Year.....	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEANS.
January.....				3.70	5.15	4.70	2.42	8.29	3.31	1.57	
February.....				3.57	3.16	1.43	4.11	3.56	2.64	1.97	
March.....				3.08	2.91	.96	3.68	1.97	1.66	3.09	
April.....				4.0	1.29	1.53	2.59	2.58	1.81	.80	
May.....				1.76	1.08	2.40	.68	3.37	1.65	2.44	
June.....				2.31	1.19	3.16	5.10	3.96	2.03	4.07	
July.....				3.85	3.13	2.99	2.08	5.04	.70	5.77	
August.....				4.60	7.06	3.01	4.40	6.44	3.92	4.07	
September.....				2.31	6.52	6.29	4.44	3.44	5.05	5.41	
October.....				6.26	9.11	3.46	3.57	6.09	5.01	1.94	
November.....				2.37	4.36	3.30	2.56	9.72	3.04	1.89	
December.....				1.91	2.28	3.36	5.02	4.81	1.77	3.26	
TOTALS.....					47.24	36.59	40.65	59.27	32.59	36.28	

1879 Gauge stands in an open kitchen garden

Broughton Grange 300 yds N.W.

# RAINFALL AT *Bockerworth, Broughton*

80

Lat. \_\_\_\_\_

Lon. \_\_\_\_\_

County of \_\_\_\_\_

*Cumberland*

Rain Gauge, by \_\_\_\_\_

Observer \_\_\_\_\_

*G. S. Milson, Esq.*

*Derwent. 2*

Diameter ....	<i>5</i>										
Height .....	<i>1.6</i>				<i>1.3</i>						
Altitude ....	<i>2097</i>										
Year .....	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS.
January ....	<i>1.03</i>	<i>.58</i>	<i>3.23</i>	<i>5.01</i>	<i>5.70</i>	<i>2.70</i>	<i>3.62</i>	<i>3.40</i>	<i>1.86</i>	<i>2.75</i>	<i>2.988</i>
February ....	<i>3.83</i>	<i>3.32</i>	<i>3.3</i>	<i>3.12</i>	<i>5.08</i>	<i>6.10</i>	<i>1.62</i>	<i>2.48</i>	<i>.72</i>	<i>2.02</i>	<i>3.163</i>
March .....	<i>1.71</i>	<i>3.36</i>	<i>3.14</i>	<i>1.84</i>	<i>4.01</i>	<i>4.06</i>	<i>4.05</i>	<i>1.15</i>	<i>3.02</i>	<i>2.81</i>	<i>2.915</i>
April .....	<i>3.07</i>	<i>1.27</i>	<i>3.44</i>	<i>1.91</i>	<i>1.29</i>	<i>2.52</i>	<i>2.68</i>	<i>2.85</i>	<i>1.88</i>	<i>1.98</i>	<i>2.289</i>
May .....	<i>1.35</i>	<i>2.83</i>	<i>2.08</i>	<i>1.44</i>	<i>4.19</i>	<i>2.09</i>	<i>4.80</i>	<i>2.02</i>	<i>1.57</i>	<i>3.07</i>	<i>2.544</i>
June .....	<i>2.20</i>	<i>4.52</i>	<i>4.18</i>	<i>3.63</i>	<i>.78</i>	<i>1.63</i>	<i>.96</i>	<i>.64</i>	<i>1.52</i>	<i>.95</i>	<i>2.101</i>
July .....	<i>4.61</i>	<i>4.21</i>	<i>5.74</i>	<i>1.98</i>	<i>4.62</i>	<i>3.50</i>	<i>4.84</i>	<i>3.43</i>	<i>5.37</i>	<i>3.11</i>	<i>4.141</i>
August .....	<i>.85</i>	<i>5.14</i>	<i>3.40</i>	<i>3.25</i>	<i>2.25</i>	<i>2.07</i>	<i>2.57</i>	<i>1.70</i>	<i>3.40</i>	<i>5.01</i>	<i>2.964</i>
September....	<i>4.56</i>	<i>1.81</i>	<i>3.00</i>	<i>3.64</i>	<i>4.81</i>	<i>5.90</i>	<i>6.14</i>	<i>5.03</i>	<i>2.02</i>	<i>2.91</i>	<i>3.982</i>
October .....	<i>1.61</i>	<i>2.48</i>	<i>2.71</i>	<i>4.98</i>	<i>3.01</i>	<i>3.97</i>	<i>5.02</i>	<i>3.23</i>	<i>4.47</i>	<i>4.25</i>	<i>3.573</i>
November....	<i>4.92</i>	<i>6.63</i>	<i>5.48</i>	<i>6.65</i>	<i>1.86</i>	<i>2.57</i>	<i>5.59</i>	<i>2.53</i>	<i>4.29</i>	<i>2.07</i>	<i>4.259</i>
December ....	<i>4.63</i>	<i>2.84</i>	<i>3.43</i>	<i>4.57</i>	<i>4.52</i>	<i>2.09</i>	<i>4.97</i>	<i>3.18</i>	<i>3.73</i>	<i>4.78</i>	<i>3.868</i>
TOTALS ....	<i>34.37</i>	<i>38.99</i>	<i>43.17</i>	<i>44.96</i>	<i>42.12</i>	<i>39.20</i>	<i>46.86</i>	<i>31.64</i>	<i>33.85</i>	<i>35.71</i>	<i>38.787</i>

*1880. Gt. Broughton*

*1/4 mile*

*N.W.*

*fruit trees 15ft high 30ft W+S.*

# RAINFALL AT

*Lockernorth Broughton Grange*

Lat. \_\_\_\_\_

Lon. \_\_\_\_\_

County of *Cumberland*

Rain Gauge, by \_\_\_\_\_

Observer *C. S. Wilson Esq*

*Dewent - 2.*

Diameter ....	5											
Height .....	13											
Altitude ....	209 <sup>ft</sup>											
Year .....	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.	
January ....	5.50	2.31	3.39	1.58	3.97	2.32	2.53	.80	3.67	5.85	2.192	
February ....	.71	.47	1.54	4.10	5.17	.44	2.40	2.77	3.74	2.56	2.390	
March .....	2.39	1.86	1.19	1.35	2.07	3.96	5.68	5.47	1.51	3.02	2.850	
April .....	.99	.94	1.11	.68	2.18	2.13	2.18	2.17	3.76	3.10	1.924	
May .....	2.69	1.76	4.13	2.06	4.16	.29	.57	2.74	3.09	3.93	2.542	
June .....	3.87	1.17	3.50	2.97	3.44	.75	3.13	3.51	3.49	1.56	2.739	
July .....	3.66	2.34	2.59	4.17	2.51	4.44	3.87	2.11	.76	3.27	2.972	
August .....	3.29	9.41	8.97	5.21	5.57	6.61	3.18	4.46	6.42	1.99	5.511	
September....	5.60	6.91	7.35	4.14	.36	1.49	4.87	5.21	2.71	6.07	4.471	
October .....	3.04	6.21	4.27	4.86	3.62	5.85	7.06	3.12	3.71	4.62	4.636	
November....	8.02	4.23	3.32	2.48	5.58	3.56	1.64	8.19	4.16	5.26	4.644	
December ....	.68	7.76	2.59	5.50	4.19	3.69	4.59	6.08	4.65	3.31	4.804	
TOTALS ....	40.44	45.37	43.95	39.10	42.82	35.53	41.70	46.63	41.67	44.54	42.175	

1890 Great Broughton Church 1/4 mile W 1880-



# RAINFALL AT *Lockermouth Broughton Grange*

Lat. ....

Lon. ....

County of *Cumberland*

Rain Gauge, by *Casella's*

Observer *G. S. Wilson Esq.*

*Series - 2.*

Diameter ..	5											
Height ....	1.3											
Altitude ..	209 $\pi$											
Year ....	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.	
January ..	4.05	2.68	3.15	4.32	3.70	1.25	5.67	1.45	4.34	3.38	3399	
February ..	4.51	1.66	.84	5.18	3.05	2.54	2.66	1.00	2.92	2.36	2771	
March ....	.46	1.91	2.12	6.61	2.86	3.25	2.40	4.24	3.69	3.67	3124	
April .....	2.29	3.01	1.55	1.55	3.03	3.54	1.42	2.54	1.53	2.83	2329	
May .....	2.90	1.56	2.69	2.63	2.80	2.67	4.77	3.98	2.70	1.73	2843	
June .....	3.45	2.50	1.57	1.29	1.44	1.89	1.75	5.54	2.93	2.53	2489	
July .....	1.91	.88	3.47	4.52	2.77	2.61	2.50	1.88	3.62	6.98	3114	
August ....	8.56	4.28	2.86	5.54	4.07	3.26	5.59	4.64	4.70	2.61	4611	
September..	3.62	2.45	1.61	5.15	2.38	3.18	1.37	.36	4.72	2.42	2726	
October ....	5.31	5.93	3.32	8.75	2.52	2.67	5.95	7.08	1.75	8.66	5194	
November..	4.22	4.87	2.25	3.79	3.73	3.96	4.17	4.37	3.27	2.11	3674	
December ..	7.43	5.06	3.77	3.50	4.87	3.11	3.37	5.89	3.30	6.78	4708	
TOTALS ..	48.71	36.79	29.20	52.83	37.22	33.93	41.62	43.97	39.47	46.05	4099	

1900 *Broughton Church*  $\frac{1}{4}$  mile W  
 1903 *Bingham Station*  $\frac{1}{2}$  " SE  
*Cottages &c*

*H. S.*

RAINFALL at Cockermouth BroughtonrangeCounty of CumberlandObserver G. S. Wilson EsqRiver Basin Derwent 2Rain Gauge, by Casella

Diameter ...	5										
Height .....	1.3										
Altitude ...	209 ft										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	3.43	2.41	2.24	2.65	3.27						
February ...	6.12	4.50	2.15	2.53	5.16						
March .....	3.20	1.12	5.04	4.55	3.59						
April .....	2.49	4.51	.73	4.77	1.54						
May .....	2.64	3.00	2.35	2.64	2.37						
June .....	1.51	5.07	6.02	3.34	1.53						
July .....	3.81	1.15	4.25	.79	5.45						
August .....	5.32	2.47	5.69	2.82	3.93						
September ..	.91	2.79	1.48	2.43	2.44						
October ...	2.69	4.46	4.61	4.07	1.33						
November ..	4.23	6.56	4.98	4.06	6.19						
December ...	4.82	7.70	6.27	4.05	6.59						
TOTALS ...	41.17	45.74	45.81	38.75	43.39						
	3	2	2	3	2						

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
1911	54.40.15	2.25.15 W	Brigham	1/2 mi	SE	Broughton	1/4 mi	W