

Rainfall at Westdale Head

E-x-111

40

247

166 ft + S.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 - - - - | | | | | 6.36 | 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 | 100.53 | 105.93 | 96.34 | 115.32 | 107.22 | |

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5-9 Phil Tr B-22

7 is not the pencil value belonging to Gatesgarth 1844

114.3

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 Sea fell to 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 Walsdale Head

40

1202

Observer.....J. 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 | | | | | | 11.89 | | | | | |
| November..... | | | | | | 11.90 | | | | | |
| December..... | | | | | | 15.78 | | | | | |
| TOTALS | | | | | | | | | | | |

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Rainfall at Wardale Head
(Miller's Map No XIV)

Observed

Gauge

Abn 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 | 8.83 | .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 | 8.07 | | | | | | | |
| 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

0 = 8-59

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

Rainfall at Wastdale Head

60

J Fletcher Esq.

Diameter of Gauge, 4..... in.

Height above Ground, ft. 6 in.

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 | 7.44 ^{8.87} | 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 | 2.89 | 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 | 93.38 | 101.00 | |

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1866 Feb. 7th is the fall at Inosdale, the above entry of 8.87 is correct according to Wilson's original return to Mr. Fletcher. *gff*

1867- Agrees with ppt by S. Marshall

RAINFALL AT *Maitdale Head*

80

Lat. _____

Lon. _____

County of _____

Cumberland

Rain Gauge, by _____

Observer _____

J. Maitland, Esq.

Mr. E. Wilson

West Coast Streams - 3

| | | | | | | | | | | | |
|----------------|--------------------|---------------|--------------|---------------|--------------|--------------|---------------|--------------|--------------|---------------|---------------|
| Diameter | <i>4</i> | | | | | | | | | | |
| Height | <i>6</i> | | | | | | | | | | |
| Altitude | <i>249 T 244 T</i> | | | | | | | | | | |
| Year | 1880 | 1881 | 1882 | 1883 | 1884 | 1885 | 1886 | 1887 | 1888 | 1889 | MEANS. |
| January | <i>frozen</i> | <i>.65</i> | <i>5.70</i> | <i>frozen</i> | <i>10.30</i> | <i>4.90</i> | <i>9.75</i> | <i>4.90</i> | | <i>8.30</i> | |
| February | <i>11.15</i> | <i>frozen</i> | <i>5.80</i> | <i>7.70</i> | <i>9.00</i> | <i>12.44</i> | <i>frozen</i> | <i>6.80</i> | | <i>frozen</i> | |
| March | <i>6.68</i> | <i>"</i> | <i>5.00</i> | <i>2.00</i> | <i>6.60</i> | <i>6.20</i> | <i>11.10</i> | <i>3.00</i> | <i>12.15</i> | <i>12.65</i> | |
| April | <i>3.20</i> | <i>24.40</i> | <i>6.40</i> | <i>3.30</i> | <i>3.75</i> | <i>9.10</i> | <i>3.43</i> | <i>6.10</i> | <i>5.75</i> | <i>4.85</i> | |
| May | <i>3.80</i> | <i>9.00</i> | <i>5.65</i> | <i>3.80</i> | <i>8.00</i> | <i>4.50</i> | <i>6.25</i> | <i>2.70</i> | <i>2.30</i> | <i>5.10</i> | |
| June | <i>9.35</i> | <i>8.75</i> | <i>9.60</i> | <i>5.25</i> | <i>2.55</i> | <i>4.30</i> | <i>3.37</i> | <i>2.20</i> | <i>2.55</i> | <i>2.30</i> | |
| July | <i>8.45</i> | <i>9.57</i> | <i>15.10</i> | <i>4.07</i> | <i>6.70</i> | <i>9.45</i> | <i>10.35</i> | <i>6.45</i> | <i>7.90</i> | <i>6.00</i> | |
| August | <i>4.50</i> | <i>10.43</i> | <i>7.49</i> | <i>9.90</i> | <i>3.05</i> | <i>3.60</i> | <i>6.48</i> | <i>2.10</i> | <i>7.15</i> | <i>10.94</i> | |
| September | <i>7.10</i> | <i>6.10</i> | <i>6.61</i> | <i>8.10</i> | <i>8.05</i> | <i>12.18</i> | <i>11.50</i> | <i>8.75</i> | <i>7.40</i> | <i>8.45</i> | |
| October | <i>2.40</i> | <i>3.15</i> | <i>4.91</i> | <i>8.00</i> | <i>8.30</i> | <i>8.90</i> | <i>8.10</i> | <i>9.20</i> | <i>8.15</i> | <i>10.91</i> | |
| November | <i>10.50</i> | <i>6.50</i> | <i>11.00</i> | <i>10.50</i> | | <i>7.35</i> | <i>9.25</i> | <i>3.70</i> | <i>10.40</i> | | |
| December | <i>13.90</i> | <i>8.00</i> | <i>8.30</i> | <i>10.24</i> | <i>4.00</i> | <i>5.10</i> | <i>9.20</i> | <i>5.50</i> | <i>9.45</i> | <i>17.85</i> | |
| TOTALS | <i>81.03</i> | <i>86.55</i> | <i>91.56</i> | <i>82.86</i> | <i>80.30</i> | <i>88.02</i> | <i>88.78</i> | <i>61.40</i> | <i>73.20</i> | <i>87.35</i> | <i>82.105</i> |

RAINFALL AT *Wastdale Head*

Lat. _____
West broad Streams - 3.

Lon. _____

County of *Cumberland*

Rain Gauge, by _____

Observer *C. J. Symonds Esq. F.R.S.*

Monthly

| | | | | | | | | | | | | |
|---------------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|---------|--|
| Diameter | 4 | | | | | | | | | | | |
| Height | 0 6 | | | | | | | | | | | |
| Altitude | 204 7 | | | | | | | | | | | |
| 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 | 120.536 | |
| 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 | 4.465 | |
| May | 4.20 | 2.25 | 5.56 | 4.28 | 4.35 | .60 | .85 | 3.50 | 6.84 | 11.40 | 4.383 | |
| 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 | 10.085 | |
| September.... | 9.95 | 14.15 | 11.14 | 8.00 | .30 | 3.70 | 10.95 | 6.50 | 9.65 | 8.72 | 8.206 | |
| October | 6.30 | 8.45 | 8.70 | 12.20 | 9.00 | 8.70 | 10.50 | 4.70 | 7.65 | 7.80 | 8.400 | |
| 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 | 120.183 | |
| TOTALS ... | 96.58 | 81.51 | 83.01 | 86.63 | 83.83 | 65.75 | 84.50 | 88.17 | 107.97 | 102.92 | 88.087 | |

1891 July 9. read on 29th.

1900 Jan. 14. 00, Feb. 8. 90, March 2. 50, April 6. 81, May 5. 87

June 8. 86, July 11. 98, August 11. 77 1/2