

RAINFALL AT Wensley W.H. Wastebury 5
Millstone Quarry

 Observer R. Ackwith Esq.
Darham.

 Rain { By
 Gauge Diameter 8 in. Height above Ground, 4 ft. 2 in. Above Mean Sea Level 1243.658

| YEAR..... | 1866 | 1867 | 1868 | 1869 | MEANS. |
|----------------|-------|-------|-------|-------|--------|
| January..... | 2.49 | 2.90 | 3.13 | 3.88 | |
| February..... | 2.49 | 1.50 | 2.18 | 3.85 | |
| March..... | 1.38 | 1.45 | 1.82 | 1.18 | |
| April..... | 2.34 | 3.69 | 3.27 | 1.73 | |
| May..... | 1.05 | 2.08 | 1.19 | 4.34 | |
| June..... | 2.64 | 1.23 | 1.46 | 1.60 | |
| July..... | 3.70 | 4.05 | 1.71 | 3.30 | |
| August..... | 4.64 | 1.88 | 3.17 | 1.33 | |
| September..... | 5.03 | 1.86 | 5.66 | 5.49 | |
| October..... | 1.29 | 1.46 | 1.81 | 1.85 | |
| November..... | 2.35 | 1.62 | 3.20 | 2.49 | |
| December..... | 2.15 | 1.57 | 6.89 | 3.51 | |
| TOTALS | 31.65 | 24.29 | 33.49 | 31.55 | |

RAINFALL AT *Weardale W.W.* *Waskerley* *5 miles* *of* *Wear* **70**

Lat.

Long.

County of *County of* *County of*

Weardale *Wear* *Wear*

County of *County of* *County of*

Rain Gauge, by

Observer *R. Aschwill Esq.*

| Diameter..... | 8 | | | | | | | | | | |
|---------------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| Height..... | 42 4 2 | | | | | | | | | | |
| Altitude..... | 1243 58 1244 | | | | | | | | | | |
| Year | 1870 | 1871 | 1872 | 1873 | 1874 | 1875 | 1876 | 1877 | 1878 | 1879 | MEANS. |
| January..... | 2.09 | | 3.94 | 1.54 | 1.23 | 2.88 | .90 | 5.68 | 2.66 | 1.04 | 2.168 |
| February..... | 1.57 | 5.32 | 3.76 | 1.50 | 1.80 | .50 | 2.89 | 2.02 | 1.07 | .96 | 2.355 |
| March..... | .68 | .83 | .64 | 1.69 | 1.00 | .72 | 2.68 | 3.80 | .57 | 1.04 | 1.925 |
| April | 7.3 | 2.62 | 4.50 | .81 | 1.67 | 1.10 | 3.08 | 5.17 | 2.59 | 2.64 | 4.925 |
| May..... | 1.46 | 1.82 | 1.97 | 2.84 | 2.45 | 1.43 | 1.63 | 2.55 | 4.80 | 1.28 | 2.223 |
| June | 1.48 | 3.60 | 3.10 | 1.06 | 1.97 | 2.17 | 3.36 | 1.82 | 2.95 | 4.88 | 2.639 |
| July..... | .88 | 2.45 | 4.11 | 1.61 | 1.45 | 5.86 | 1.68 | 4.81 | .80 | 4.15 | 2.780 |
| August | 2.23 | 2.11 | 2.73 | 1.72 | 3.10 | 3.56 | 1.54 | 7.37 | 5.35 | 5.08 | 3.479 |
| September.... | 1.36 | 4.10 | 3.40 | 2.44 | 2.13 | 3.36 | 5.57 | 1.57 | 2.57 | 1.72 | 2.836 |
| October..... | 6.16 | 4.37 | 6.82 | 2.45 | 2.52 | 5.54 | 1.72 | 3.39 | 2.37 | .91 | 3.625 |
| November.... | 1.63 | 1.57 | 4.65 | 2.36 | 1.21 | 3.85 | 3.55 | 2.34 | 4.52 | .83 | 2.645 |
| December.... | 3.18 | 1.31 | 6.04 | .98 | 1.80 | 2.53 | 6.48 | 1.68 | 1.38 | .80 | 2.618 |
| TOTALS.... | 23.45 | 30.04 | 45.66 | 21.00 | 22.33 | 33.70 | 35.02 | 42.20 | 31.57 | 25.33 | 31.030 |

1871 January Range frozen up

1872 January Falls impassable twice in March which must therefore be taken with April.

RAINFALL AT Wendarle W.W. Waskerley 5

80

Lat.

Lon.

Milestone, Derbyshire

Rain Gauge, by

County of Durham

Observer R. A. Newbold Esq.

Wear 2

| | | | | | | | | | | |
|-----------------|---------|---------|-------|---------|-------|-------|-------|-------|-------|--------|
| Diameter | 8 | | | | | | | | | |
| Height | 42 | | | | | | | | | |
| Altitude | 1243.58 | 1244 | | | | | | | | |
| Year..... | 1880 | 1881 | 1882 | 1883 | 1884 | 1885 | 1886 | 1887 | 1888 | 1889 |
| | | | | | | | | | | MEANS. |
| January | 1.3 | 1.13 | 2.53 | 4.95 | 1.64 | 1.08 | .68 | .54 | .60 | |
| February | 2.98 | 4.90 | .78 | 3.81 | 2.92 | 2.57 | | .94 | .48 | .46 |
| March | 1.55 | 4.60 | 3.32 | (2.55) | .95 | 1.83 | 4.30 | 1.45 | 1.64 | 1.91 |
| April | 2.67 | .79 | 3.75 | 1.88 | 3.25 | 2.76 | 2.48 | .97 | 1.71 | 2.37 |
| May | 1.09 | 1.89 | 1.21 | 2.35 | 1.35 | 4.38 | 1.60 | 2.41 | 1.01 | 1.94 |
| June | 3.75 | 2.55 | 4.51 | 3.00 | 1.05 | 1.71 | 3.02 | .74 | 1.39 | .46 |
| July | 5.81 | 2.42 | 3.21 | 4.80 | 6.31 | 1.61 | 5.00 | 1.14 | 6.62 | 2.81 |
| August | 1.76 | 6.78 | 2.92 | 2.60 | 1.31 | 3.55 | 2.44 | 2.46 | 1.82 | 4.03 |
| September | 5.01 | 4.53 | 1.97 | 4.93 | 2.66 | 3.13 | 2.73 | 2.17 | 1.08 | .47 |
| October | 2.53 | 5.14 | 3.21 | 4.58 | 2.04 | 4.17 | 6.91 | 2.47 | 1.59 | 4.70 |
| November | 2.67 | 3.72 | 5.62 | 1.63 | 1.88 | 1.28 | 5.89 | 3.16 | 7.22 | 1.15 |
| December | 2.16 | 2.90 | 2.90 | 1.59 | .96 | 2.36 | 1.60 | 2.21 | 1.77 | 1.49 |
| TOTALS | 32.41 | (40.22) | 34.53 | (36.25) | 29.63 | 31.28 | 37.02 | 20.80 | 26.87 | 22.39 |
| | | | | | | | | | | 31.140 |

1881 January and February gauge frozen up. amount computed by differentiation from Wolsingham, Ushaw, Allenheads & Shotton Park

1883 March amount computed by differentiation from Wolsingham Ushaw, Allenheads & Shotton Park

M. B. annual values rejected from Survey book, 1929.

RAINFALL AT Weardale W.W. Wastkerley 5

Lat.

Long.

County of

Durham

Rain Gauge, by

Observer R Asturish Esq F.R.S.

Wear 2

| | | | | | | | | | | | |
|-----------------|-------|-------|-------|-------|---------------|-------|-------|-------|----------------|-------|--------|
| Diameter | 8 | | | | | | | | | | |
| Height | 4 2 | | | | | | | | | | |
| Altitude | 1244 | | | | | | | | | | |
| Year | 1890 | 1891 | 1892 | 1893 | 1894 | 1895 | 1896 | 1897 | 1898 | 1899 | MEANS. |
| January | 3.24 | 3.50 | 1.10 | .67 | 1.89 (6.37) | .89 | 2.11 | 1.56 | 4.81 | 2.614 | |
| February | .89 | .23 | 1.86 | 3.78 | 3.99 (2.10) | .81 | 1.43 | 1.99 | 1.64 | 1.872 | |
| March | 1.93 | 1.23 | .73 | 1.44 | 1.22 (3.02) | 3.05 | 5.30 | 2.47 | 1.07 | 2.146 | |
| April | 1.46 | 2.40 | 1.39 | .40 | 1.01 | 1.90 | 1.39 | 2.00 | 1.45 | 3.57 | 16.97 |
| May | 1.96 | 2.55 | 1.98 | 2.18 | 3.14 | 1.48 | .62 | .43 | 3.25 | 4.41 | 22.00 |
| June | 1.60 | .12 | 6.05 | 1.64 | 3.90 | .57 | 2.34 | 6.08 | 1.84 | .93 | 24.07 |
| July | 3.61 | 5.99 | 1.58 | 3.20 | 2.20 | 7.96 | 2.52 | .69 | .58 | 4.02 | 32.35 |
| August | 5.56 | 5.55 | 4.38 | 2.48 | 2.94 | 2.41 | 2.47 | 2.87 | 3.21 | .96 | 32.83 |
| September | 1.26 | 3.91 | 2.59 | 1.39 | 1.49 | .38 | 4.31 | 3.26 | .16 | 3.08 | 21.63 |
| October | 1.98 | 4.33 | 5.81 | 1.20 | 5.55 | 4.47 | 5.71 | 2.11 | 6.45 | 2.76 | 40.37 |
| November | 2.91 | 2.53 | 2.97 | 2.37 | 1.71 | 4.11 | 3.18 | 1.45 | 3.37 | 3.16 | 27.76 |
| December | 3.50 | 4.82 | 1.02 | 2.54 | 2.30 | 2.96 | 4.57 | 4.44 | 2.98 | 3.11 | 32.24 |
| TOTALS | 29.90 | 37.16 | 31.46 | 23.29 | 31.34 (37.73) | 31.86 | 31.17 | 29.31 | 33.52 (31.674) | | |

N.B. Annual values rejected from Survey 1929.

RAINFALL AT Weardale w.w. Waskerley 5

Lat. _____ Lon. _____ County of Durham
no
unseen
Funnel renewed in copper.
Tim Glaisher Rain Gauge, by N. S. L. m.
since 7.98, 7.97, 97. 8.01.
Wear - 2. ~~4.66~~

1904 Jan Feb & Nov One mil added after each month for Snow

+ 2. xi. 1900 H.S.W. Gauge sloping to N.W. 7° or about 1° . fixed level before leaving
Exposure good - on slope facing N. A slight ridge some distance S + SW
might make the yield a little high.

N. B. annual values rejected from Survey Map, 1929.

RAINFALL at Weardale Water Works Waskerley 5

County of Durham

Observer

R. Askwith Esq, C.E.

14. Robinson Esq, 1918.

River Basin Wear 2

Rain Gauge, by

Weekly

| | | | | | | | | | | | |
|--------------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| Diameter ... | 8 | | | | | | | | | | |
| Height | 4.2 | | | | | | | | | | |
| Altitude ... | 1244 ft | | | | | | | | | | |
| Year ... | 1910 | 1911 | 1912 | 1913 | 1914 | 1915 | 1916 | 1917 | 1918 | 1919 | MEANS. |
| January ... | 1.03 | 1.26 | .48 | 1.71 | 2.02 | 2.93 | .17 | 2.46 | 1.84 | | |
| February ... | 2.75 | 1.89 | 4.24 | 4.31 | 2.35 | 3.17 | 1.91 | 1.74 | 2.53 | 2.94 | |
| March | 1.37 | 2.04 | 2.01 | 3.32 | 1.90 | 1.76 | 3.520 | .48 | .89 | 1.88 | |
| April | 2.93 | .69 | 1.16 | 4.73 | 1.01 | .89 | 1.09 | 2.21 | 1.53 | | |
| May | 1.89 | 1.74 | 2.79 | 2.67 | 1.41 | 1.51 | 4.44 | 2.16 | 2.00 | 1.47 | |
| June | 1.72 | 4.63 | 4.91 | 1.22 | 3.82 | 1.01 | 2.06 | 2.37 | .46 | .62 | |
| July | 3.61 | .33 | 4.42 | 1.80 | 1.51 | 4.14 | 4.12 | 1.93 | 4.37 | 2.14 | |
| August | 5.66 | 3.11 | 6.54 | .49 | 2.08 | 5.14 | 3.30 | 8.61 | 2.33 | 2.86 | |
| September .. | .65 | 1.53 | 1.80 | 4.13 | 2.49 | 1.03 | 2.39 | 1.25 | 5.76 | 2.88 | |
| October ... | 2.68 | 4.30 | 4.16 | 3.89 | 1.08 | .99 | 4.64 | 2.81 | 4.31 | 3.69 | |
| November ... | 3.53 | 4.20 | 1.05 | 2.04 | 5.36 | 1.05 | 3.39 | 1.67 | 1.79 | 4.72 | |
| December ... | 3.23 | 4.88 | 4.20 | 1.14 | 8.53 | 5.85 | 2.81 | 1.72 | 3.15 | 4.07 | |
| TOTALS ... | 31.05 | 30.60 | 37.75 | 29.74 | 33.25 | 28.15 | 34.22 | 26.00 | 32.26 | 29.18 | |

N.B. annual values rejected from Survey Map, 1929

| Date. | Lat. N. | Long. | Railway Station. | Distance. | Direction. | Church. | Distance. | Direction. |
|-------|---------|-------|------------------|-----------|------------|---------|-----------|------------|
| | | | | | | | | |

RAINFALL at Wardale Water Works, Newcastle 5-County of Durham Observer H. Robinson Esq. C.E.River Basin Wear 2Elmisher Rain Gauge, by
sound survey 18.26.
Weekly.

| Diameter ... | 8 | | | | | | | | | MEANS. |
|--------------|-------|-------|-------|-------|-------|-------|-------|------|------|--------|
| Height | 4.2 | | | | | | | | | |
| Altitude ... | 1244 | | | | | | | | | |
| Year | 1920 | 1921 | 1922 | 1923 | 1924 | 1925 | 1926 | 1927 | 1928 | 1929 |
| January ... | 2.38 | 3.58 | 2.52 | .94 | 1.88 | 2.00 | 2.02 | | | |
| February ... | 2.19 | .26 | 2.10 | 4.04 | .49 | 3.83 | 3.01 | | | |
| March | 3.05 | 1.34 | .90 | 1.58 | 1.20 | 2.66 | .87 | | | |
| April | 4.19 | 1.27 | 2.52 | 2.30 | 1.32 | 3.08 | 1.83 | | | |
| May | 3.81 | 1.78 | 1.20 | 2.25 | 5.57 | 4.86 | 1.32 | | | |
| June | .99 | .32 | .88 | .86 | 2.29 | .37 | 5.38 | | | |
| July | 4.40 | 1.13 | 5.42 | 2.52 | 4.29 | 1.89 | 3.55 | | | |
| August | 1.95 | 7.28 | 3.16 | 5.37 | 1.96 | 3.26 | 3.02 | | | |
| September... | 1.54 | 1.08 | 4.51 | 3.29 | 4.55 | 3.60 | 3.69 | | | |
| October..... | 2.86 | 1.87 | 2.97 | 3.09 | 3.48 | 3.31 | 2.75 | | | |
| November... | 2.25 | 2.46 | .91 | 3.42 | 2.08 | 2.31 | 5.22 | | | |
| December... | 3.68 | 3.29 | 4.06 | 1.62 | 4.36 | 2.86? | .88 | | | |
| TOTALS... | 33.29 | 25.66 | 31.45 | 31.28 | 33.47 | 34.02 | 33.54 | 460 | NOH | |

Inspected 9.1.26 5. on open moor sloping up to S+E, with a wall at some distance to W + down to reservoir bank to the N.W.
Very good exposure of gauge at 7 foot.

Probably T.

1.B. annual values rejected from Survey 1929.Position of Station on reduced Ordnance Survey } No. of Map _____ Reference No. _____
Map, 2 miles to 1 inch Series

| Date. | Lat. N. | Long. | Railway Station. | Distance from gauge | Direction | Parish Church. | Distance from gauge | Direction |
|-------|---------|-------|------------------|---------------------|-----------|----------------|---------------------|-----------|
| | | | | | | | | |