

RAINFALL AT *Wessenden Great Butterley*

Lat. _____

Lon. _____

County of _____

York W.R.

Rain Gauge, by _____

Observer _____

J. Stanwan Esq

J. W. Schofield Esq

Once - Aire + Calder 8

| | | | | | | | | | | | | |
|---------------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--|
| Diameter | | 8 | | | | | | | | | | |
| Height | | 10 | | | | | | | | | | |
| Altitude | 1110 | T | | | | | | | | | | |
| Year | 1890 | 1891 | 1892 | 1893 | 1894 | 1895 | 1896 | 1897 | 1898 | 1899 | MEANS. | |
| January | | 3.07 | 2.75 | 1.22 | 3.35 | 1.94 | 1.71 | 1.57 | 2.54 | 7.16 | | |
| February | <i>11.76</i> | .39 | 1.16 | 4.90 | 7.87 | .98 | 1.84 | 2.86 | 2.41 | 1.66 | | |
| March | 3.98 | 2.24 | .84 | .74 | 3.45 | 3.87 | 4.81 | 4.51 | 1.95 | 1.89 | | |
| April | 1.95 | 2.00 | 1.45 | .73 | 3.27 | 2.59 | 1.45 | 3.24 | 2.76 | 4.23 | | |
| May | 3.49 | 3.04 | 3.84 | 2.64 | 2.84 | 1.96 | .66 | 1.24 | 4.13 | 3.35 | | |
| June | 3.71 | 1.84 | 2.94 | 2.09 | 3.29 | 3.79 | 2.54 | 3.85 | 3.27 | 1.19 | | |
| July | 3.16 | 3.20 | 2.51 | 4.37 | 3.08 | 7.26 | 3.11 | 1.96 | 1.06 | 2.35 | | |
| August | 5.43 | 7.91 | 4.55 | 2.26 | 4.45 | 3.14 | 2.14 | 3.65 | 6.29 | 2.63 | | |
| September.... | 1.53 | 3.46 | 3.57 | 3.86 | 1.06 | 1.29 | 7.26 | 4.14 | .57 | 7.43 | | |
| October | 2.89 | 6.41 | 6.90 | 3.22 | 6.50 | 4.00 | 5.64 | 2.44 | 4.65 | 5.04 | | |
| November | 5.00 | 3.74 | 3.24 | 3.17 | 3.15 | 3.18 | 2.20 | 4.51 | 2.48 | 2.37 | | |
| December | .43 | 8.06 | 1.71 | 4.66 | 3.86 | 3.90 | 5.38 | 5.34 | 4.74 | 2.71 | | |
| TOTALS | | 45.36 | 35.46 | 33.86 | 46.17 | 37.90 | 38.74 | 39.31 | 36.85 | 42.06 | | |

Rejected from running 5" low.

RAINFALL AT

Wessenden Great Butterley
 Lat. Lon. County of York W.R. Central
 Rain Gauge, by Observer J.W. Schofield Esq.

Use. Rise & Water 8

| | | | | | | | | | | | |
|--------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| Diameter .. | 8 | | | | | | | | | | |
| Height | 1 0 | | | | | | | | | | |
| Altitude .. | 1110 T | | | | | | | | | | |
| Year | 1900 | 1901 | 1902 | 1903 | 1904 | 1905 | 1906 | 1907 | 1908 | 1909 | MEANS. |
| January .. | 7.73 | 2.92 | 5.23 | 4.94 | 4.13 | 2.00 | 4.30 | 2.96 | 2.17 | 2.34 | 3.8721 |
| February .. | 4.24 | 2.02 | 1.20 | 5.40 | 3.95 | 1.44 | 2.12 | 1.12 | 3.51 | 2.17 | 2.717 |
| March | 1.16 | 5.31 | 2.61 | 7.15 | 1.70 | 3.68 | 4.87 | 4.49 | 3.70 | 2.40 | 3.707 |
| April | 3.10 | 3.19 | 2.73 | 2.00 | 4.19 | 3.88 | 1.46 | 2.97 | 1.13 | 5.60 | 3.025 |
| May | 1.67 | 2.14 | 3.67 | 5.21 | 2.81 | 1.25 | 4.13 | 3.53 | 4.35 | 3.42 | 3.218 |
| June | 5.12 | 2.38 | 2.31 | 1.80 | 1.67 | 2.80 | 2.45 | 7.90 | 2.15 | 3.27 | 3.185 |
| July | 3.95 | 5.20 | 3.67 | 4.41 | 1.88 | 2.98 | 1.91 | 2.90 | 4.59 | 6.76 | 3.834 |
| August | 7.22 | 3.38 | 4.36 | 6.45 | 5.13 | 5.72 | 4.28 | 5.54 | 3.30 | 3.60 | 4.898 |
| September .. | 2.31 | .92 | 3.54 | 6.32 | 1.23 | 3.73 | 1.66 | 1.20 | 4.27 | 2.68 | 2.786 |
| October | 6.19 | 5.41 | 6.24 | 10.28 | 2.37 | 3.56 | 5.29 | 5.74 | 2.25 | 9.03 | 5.636 |
| November .. | 4.25 | 8.51 | 2.32 | 3.97 | 2.77 | 4.84 | 5.26 | 4.91 | 2.63 | .35 | 3.981 |
| December .. | 7.39 | 6.02 | 4.33 | 2.66 | 2.82 | 3.20 | 3.17 | 4.72 | 3.23 | 6.58 | 4.412 |
| TOTALS .. | 54.33 | 47.40 | 42.21 | 60.59 | 34.65 | 39.08 | 40.90 | 48.07 | 37.28 | 48.20 | 45.211 |

Hub

Rejected from survey. 5" less.

RAINFALL at Wessenden Green, Butterley, Moss (100)County of W. YorkshireObserver J. A. Schofield by Edgar Jones byRiver Basin Once - Aire - Calder &Gauged
Painted Gleisher Rain Gauge, by N. 2
7.90 6.08 7.95 7.98.Glass
Correct.

| | | | | | | | | | | | |
|--------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----------------------------|
| Diameter ... | 8 | | | | | | | | | | |
| Height | 1 0 | | | | | | | | | | |
| Altitude ... | 1110 T | | | | | | | | | | |
| Year ... | 1910 | 1911 | 1912 | 1913 | 1914 | 1915 | 1916 | 1917 | 1918 | 1919 | 1916-19 Means. Totals |
| January ... | 3.42 | 2.86 | 4.04 | 3.91 | 3.63 | 7.88 | 6.00 | 2.81 | 3.29 | 5.22 | 17.32 |
| February ... | 9.33 | 4.28 | 3.55 | 1.90 | 4.19 | 6.45 | 6.15 | .49 | 7.27 | 1.19 | 15.10 |
| March | 1.33 | 3.45 | 4.45 | 7.61 | 5.61 | 1.58 | 3.06 | 3.10 | 2.09 | 5.83 | 14.08 |
| April | 3.70 | 2.77 | 1.95 | 5.65 | 1.73 | 2.43 | 3.36 | 1.58 | 1.48 | 2.81 | 9.23 |
| May | 3.04 | 2.03 | 4.63 | 4.26 | 2.47 | 2.00 | 3.97 | 2.04 | 3.14 | 2.16 | 11.31 |
| June | 3.61 | 1.74 | 5.62 | 2.95 | 2.98 | 1.57 | 3.89 | 2.40 | 2.13 | 1.99 | 10.39 |
| July | 5.75 | 2.64 | 3.17 | 1.51 | 4.35 | 5.44 | 2.76 | 1.95 | 5.61 | 3.22 | 13.54 |
| August | 6.79 | 3.32 | 10.97 | 2.51 | 3.98 | 6.61 | 3.20 | 7.51 | 4.19 | 4.44 | 19.34 |
| September .. | 1.56 | 4.68 | 1.94 | 2.23 | 3.06 | .65 | 3.28 | 2.82 | 13.93 | 2.45 | 22.48 |
| October ... | 2.82 | 2.87 | 5.79 | 3.73 | 3.49 | 1.96 | 8.66 | 7.88 | 3.69 | 3.47 | 23.70 |
| November .. | 3.45 | 6.60 | 2.10 | 4.97 | 6.39 | 1.91 | 4.96 | 5.72 | 2.71 | 4.29 | 17.68 |
| December ... | 6.92 | 7.47 | 7.83 | 3.31 | 7.22 | 8.80 | 3.50 | 2.35 | 8.67 | 9.70 | 24.22 |
| TOTALS ... | 51.72 | 44.71 | 56.44 | 44.54 | 49.10 | 46.22 | 52.79 | 40.65 | 58.20 | 46.75 | 198.39 |

+ 28. I. 15 C.S. On level moor, in 8 ft. sq. open iron railed enclosure, the
 earth within being raised about 1 foot. ~~On~~ the land falls into shallow valley
 a few hundred yards W. or N.W. Grid as on Hollin Bank Moss (to be removed).
 Over exposed.

Rejected from survey. 5.1.19.

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

RAINFALL at Nessenden Butterley MossCounty of N. R. YorkshireObserver J. W. Arncliffe Esq. C.E.River Basin Cuse-Aire-Calder &Cuddersfield W.D.Painted Glass Rain Gauge, by N. Ry.

| Diameter ... | 8 | | | | | | | | | | | |
|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------------|-------------------|
| Height | 1 | 0 | | | | | | | | | | |
| Altitude ... | 1110 | | | | | | | | | | | |
| Year | 1920 | 1921 | 1922 | 1923 | 1924 | 1925 | 1926 | 1927 | 1928 | 1929 | 1930 Mean | 1920-30 Totals |
| January ... | 4.88 | 9.44 | 2.71 | 5.34 | 3.78 | 4.40 | 5.01 | 4.50 | 11.90 | 1.54 | 6.64 | 60.14 |
| February ... | 4.90 | .59 | 6.48 | 7.17 | 1.12 | 4.77 | 4.47 | 2.20 | 5.56 | .53 | 1.04 | 41.83 |
| March | 3.81 | 5.89 | 3.06 | 2.89 | 1.29 | 1.78 | 1.63 | 5.83 | 2.60 | 1.22 | 2.66 | 32.71 |
| April | 7.88 | 2.64 | 4.15 | 3.95 | 2.51 | 3.11 | 2.43 | 4.02 | 1.09 | 1.53 | 2.91 | 36.22 |
| May | 6.91 | 2.90 | 2.16 | 5.08 | 7.68 | 4.79 | 5.03 | 1.82 | 2.05 | 3.02 | 2.95 | 44.39 |
| June | 3.60 | .35 | 3.74 | 1.19 | 2.46 | .02 | 3.48 | 5.23 | 6.50 | 1.31 | 3.18 | 31.06 |
| July | 10.85 | 2.37 | 5.62 | 4.54 | 4.22 | 2.04 | 2.88 | 2.78 | 1.74 | 1.95 | 8.21 | 47.20 |
| August | 3.00 | 6.62 | 6.18 | 5.55 | 4.42 | 4.38 | 4.95 | 7.20 | 5.34 | 4.80 | 5.18 | 57.62 |
| September... | 2.84 | 1.28 | 4.85 | 5.25 | 5.51 | 3.90 | 3.60 | 7.64 | .69 | 1.78 | 3.32 | 40.66 |
| October | 2.09 | 2.94 | 1.62 | 5.68 | 5.87 | 4.13 | 4.16 | 3.96 | 5.09 | 5.42 | 8.45 | 52.41 |
| November... | 2.32 | 2.98 | 2.91 | 8.10 | 2.90 | 3.09 | 5.74 | 5.50 | 7.24 | 8.72 | 7.30 | 56.80 |
| December... | 5.21 | 8.82 | 4.87 | 4.21 | 6.36 | 4.20 | 2.53 | 1.02 | 2.92 | 9.21 | 4.23 | 53.58 |
| TOTALS... | 58.29 | 46.82 | 48.35 | 58.95 | 48.12 | 46.61 | 45.91 | 51.75 | 52.72 | 41.03 | 56.07 | 554.62 |

X/28. Inspected by Mr. Corless see green file

1930. Gauge from Nessenden Head (old) was set up in 1929 on this site.
 (Incls. 26th J. 660601/26.)

Rejected from survey, 5" low

Position of Station on reduced Ordnance Survey Map, 2 miles to 1 inch Series

No. of Map

Reference No.

| Date. | Lat. N. | Long. | Railway Station. | Distance from gauge | Direction from gauge | Parish Church. | Distance from gauge | Direction from gauge |
|-------|---------|-------|------------------|---------------------|----------------------|----------------|---------------------|----------------------|
| 1927 | | | Nessenden | | | Nessenden | | |

RAINFALL at Wessenden (Butterley Moss)County of West RidingObserver J. W. Armitage, Esq., C.E.River Basin Ouse-Aire-Calder-8.J. P. Bewidge (1936)

Type of Gauge.....

Annual Average 4.55 in. based on 39 years obs. un-weighted. Period of average 1895-1935 Ref. 5

660601/26

| | | | | | | | | | | | |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|----------------------------|
| Diameter | 8. | | | | | | | | | | |
| Height | 1.0. | | | | | | | | | | |
| Altitude | 1110. | | | | | | | | | | |
| Year | 1931 | 1932 | 1933 | 1934 | 1935 | 1936 | 1937 | 1938 | 1939 | 1940 | 1931-40 Means Totals |
| January | 6.28 | 5.52 | 3.79 | 3.77 | 2.31 | 5.54 | 5.59 | 6.28 | 4.62 | (2.52) | 46.22 |
| February | 7.71 | .87 | 5.97 | 3.36 | 6.91 | 2.47 | 5.15 | 2.38 | 5.48 | (1.95) | 38.75 |
| March | 4.46 | 2.81 | 3.36 | 3.44 | 2.51 | 4.55 | 3.44 | 1.58 | 3.71 | 4.09 | 29.95 |
| April | 4.91 | 4.44 | 1.52 | 2.72 | 4.68 | 2.55 | 3.21 | .70 | 3.38 | 3.20 | 31.31 |
| May | 3.22 | 5.06 | 1.67 | 3.10 | .83 | 1.77 | 3.22 | 5.18 | 2.06 | 1.01 | 27.12 |
| June | 5.82 | .52 | 2.72 | 2.09 | 4.59 | 5.53 | 3.01 | 5.05 | 4.09 | .96 | 34.38 |
| July | 5.18 | 4.87 | 4.17 | 3.58 | 2.44 | 4.86 | 3.22 | 5.21 | 8.12 | 4.37 | 46.08 |
| August | 6.42 | 1.79 | 2.03 | 3.01 | 1.86 | 2.81 | 1.89 | 3.88 | 2.23 | 2.83 | 28.75 |
| September | 4.56 | 5.39 | 2.27 | 2.76 | 7.79 | 6.78 | 2.23 | 2.62 | 1.54 | 5.11 | 41.05 |
| October | 2.58 | 7.11 | 4.84 | 5.54 | 12.08 | 6.37 | 3.53 | 11.64 | 3.18 | 6.16 | 63.03 |
| November | 7.42 | 3.64 | 2.09 | 2.77 | 8.88 | 7.66 | 3.43 | 5.45 | 8.63 | 8.86 | 58.83 |
| December | 3.98 | 2.46 | 0.59 | 6.48 | 3.68 | 4.41 | 2.85 | 4.80 | 4.24 | 4.79 | 38.28 |
| TOTALS | 58.54 | 43.98 | 35.02 | 39.62 | 58.56 | 55.30 | 40.77 | 54.77 | 51.34 | 45.85 | 483.75 |

1940. New g. set up 1/31 replaced old g. the records from which were rejected from survey as
5" too low.

1940. Jan. & Feb. apporioned for snow.

Position of Station on reduced Ordnance Survey Map,
1 mile to 1 inch Series

No. of Map.....

Reference No.....

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

Station No. 3190

RAINFALL at Wessenden (Butterley, Mooo)

41

County of West RidingObserver J. P. Beveridge Esq. C.E.River Basin Ouse - Aire - Calder - S

Type of Gauge

Annual Average in. based on years obs. un-weighted. Period of average Ref.

File No. 660601/28

| | | | | | | | | | | | |
|-----------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------------------------|
| Diameter | 8" | | 078 | 520 | | | | | | | |
| Height | 1' 0" | | | 1 | | | | | | | |
| Altitude | 1110' | | | 111 | | | | | | | |
| Year | 1941 | 1942 | 1943 | 1944 | 1945 | 1946 | 1947 | 1948 | 1949 | 1950 | 1941-50 Means Totals |
| January | (3.71) | 4.21 | 6.38 | 8.13 | 3.96 | 6.53 | 3.70 | 11.98 | 2.35 | 3.24 | 54.47 |
| February | (6.92) | 1.24 | 3.52 | 2.09 | 6.14 | 8.46 | 1.85 | 3.72 | 3.58 | 7.23 | 44.75 |
| March | 6.05 | 3.40 | 2.39 | 4.8 | 1.68 | 1.84 | 10.34 | 2.41 | 1.98 | 2.79 | 33.36 |
| April | 3.84 | 2.85 | 2.84 | 3.40 | 3.02 | 2.03 | 4.80 | 3.00 | 5.11 | 5.46 | 36.35 |
| May | 3.21 | 4.65 | 2.92 | 4.87 | 3.96 | 2.02 | 4.39 | 2.41 | 3.34 | 2.94 | 34.71 |
| June | 1.24 | 1.54 | 3.57 | 3.62 | 7.80 | 4.73 | 3.94 | 5.09 | 7.4 | 2.80 | 35.07 |
| July | 1.85 | 4.78 | 3.59 | 3.31 | 1.61 | 6.80 | 2.89 | 3.10 | 3.49 | 4.68 | 36.10 |
| August | 9.04 | 6.33 | 6.89 | 5.40 | 4.02 | 7.43 | .28 | 6.13 | 3.70 | 6.12 | 55.60 |
| September | .61 | 3.20 | 5.31 | 6.21 | 3.75 | 7.51 | 3.32 | 3.18 | 1.75 | 9.22 | 44.26 |
| October | 6.38 | 7.43 | 3.06 | 5.33 | 8.18 | 1.80 | 1.48 | 3.17 | 4.76 | 2.39 | 44.04 |
| November | 3.85 | 1.43 | 4.42 | 8.97 | .96 | 10.21 | 9.02 | 2.44 | 8.22 | 8.06 | 57.58 |
| December | 2.82 | 4.85 | 2.79 | 4.57 | 3.45 | 3.90 | 5.58 | 5.16 | 9.74 | 2.71 | 45.57 |
| TOTALS | 44.52 | 46.03 | 47.68 | 56.38 | 48.53 | 63.26 | 51.59 | 51.79 | 49.14 | 57.94 | 521.86 |

1941. Jan & Feb. affluenced for snow.

60004

Position of Station on reduced Ordnance Survey Map,
1 mile to 1 inch Series

No. of Map

Reference No.

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

BRITISH RAINFALL ORGANIZATION

Station No. 3190RAINFALL at Wessenden (Butterley Moss)

51

County of West Riding - Yorks Observer J. P. Beveridge Esq. C.F.River Basin Dusse - Aire - Calder - SType of Gauge SnowdonAnnual Average 50.25 in. based on 35 years obs. un-weighted. Period of average 1916-1950 Ref. 660601/26 P

| Diameter | 8" | | 078 | 520 | | | | | | | | |
|-----------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|----------------|--|
| Height | 1'0" | | | 1 | | | | 1'1" | | | | |
| Altitude | 1110" | | | 51 | | | | | | | | |
| Year | 1951 | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 | 1959 | 1960 | Means Total | |
| January | 6.32 | 4.64 | 2.79 | 4.82 | 4.34 | 5.95 | 5.38 | 5.59 | 4.80 | 6.30 | 50.93 | |
| February | 4.13 | 1.87 | (2.34) | 3.85 | 2.29 | 1.42 | 4.44 | 8.27 | .52 | 3.58 | 32.71 | |
| March | 7.13 | 2.73 | 3.34 | 3.42 | 3.00 | 2.30 | 4.92 | 5.58 | 2.76 | 1.85 | 37.03 | |
| April | 3.32 | 4.57 | 4.57 | 1.05 | 3.44 | 3.69 | .85 | 1.66 | 6.04 | 3.22 | 32.41 | |
| May | 3.98 | 2.56 | 2.99 | 4.48 | 4.77 | 2.31 | 1.51 | 5.90 | 2.74 | 3.05 | 34.29 | |
| June | 1.48 | 3.55 | 4.22 | 4.65 | 4.18 | 3.91 | 2.88 | 6.71 | 2.70 | 2.35 | 36.63 | |
| July | 3.58 | 3.32 | 7.82 | 6.54 | 1.63 | 8.77 | 5.78 | 6.03 | 4.39 | 8.25 | 56.11 | |
| August | 7.35 | 5.64 | 6.27 | 7.00 | 1.30 | 14.00 | 6.47 | 5.91 | .72 | 7.26 | 61.92 | |
| September | 3.57 | 5.19 | 3.53 | 7.20 | 3.10 | 5.62 | 8.15 | 6.87 | .39 | 3.68 | 47.30 | |
| October | 1.51 | 6.70 | 3.52 | 9.54 | 3.35 | 3.83 | 7.51 | 5.79 | 4.99 | 6.99 | 53.73 | |
| November | 11.50 | 2.97 | 4.60 | 9.02 | 2.91 | 2.23 | 3.90 | 1.70 | 5.55 | 5.69 | 50.07 | |
| December | 8.88 | 4.45 | 2.18 | 8.74 | 7.09 | 6.04 | 5.51 | 6.15 | 9.46 | 5.71 | 64.21 | |
| TOTALS | 62.75 | 48.19 | 48.17 | 70.31 | 41.40 | 60.07 | 57.30 | 66.16 | 45.06 | 57.93 | 557.34 | |
| | | M | M | | | | | M | M | M | | |

105P. MAY 1953 J.B.O.K. Weekly & Monthly Satisfactory
20004Position of Station on Ordnance One-Inch map : No. of Map..... National Grid Reference SE047076

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

Summary of Earlier Records from 10-year Sheets :

1916-1950, P-accepted

| Record D, or d | 1910-19 | 1920-30 | 1931-40 | 1941-50 | 1951-60 |
|-------------------|---------|---------|---------|---------|---------|
| | ✓ | ✓ | ✓ | ✓ | |