

RAINFALL AT

Barnford Yorkshire Bridge Weir N° 59

Lat.

Lon.

County of

Derbyshire

Rain Gauge, by

Observer

E. Sandeman Esq. C.E.

Account - 6.

| | | | | | | | | | | | |
|-------------|------|------|------|------|------|-------|-------|-------|-------|-------|--------|
| Diameter .. | | | | | | | 8 | | | | |
| Height | | | | | | | 10 | | | | |
| Altitude .. | | | | | | | 540 | | | | |
| Year | 1900 | 1901 | 1902 | 1903 | 1904 | 1905 | 1906 | 1907 | 1908 | 1909 | MEANS. |
| January .. | | | | | | | 4.80 | 1.99 | 3.19 | 2.38 | |
| February .. | | | | | | | 3.70 | 2.48 | 3.58 | 2.62 | |
| March | | | | | | | 3.61 | 3.66 | 3.85 | 3.92 | |
| April | | | | | | | 1.83 | 3.49 | 3.03 | 1.98 | |
| May | | | | | | | 2.61 | 4.02 | 3.36 | 2.50 | |
| June | | | | | | | 1.63 | 5.21 | 2.47 | 3.90 | |
| July | | | | | | | 2.64 | 2.62 | 3.70 | 4.32 | |
| August | | | | | | | 3.53 | 3.64 | 3.62 | 2.01 | |
| September.. | | | | | | | 1.16 | .59 | 2.76 | 3.02 | |
| October.... | | | | | | | 5.53 | 6.91 | 1.40 | 4.81 | |
| November.. | | | | | | | 5.02 | 3.78 | 3.05 | 1.39 | |
| December .. | | | | | | | 3.82 | 3.11 | 1.87 | 8.52 | |
| TOTALS .. | | | | | | 33.25 | 39.91 | 41.50 | 35.88 | 41.27 | |

Barnford Station

1905. Entered from P.V. 1. XII. 1913.

RAINFALL at Barnford Yorkshire Bridgewater No 59 2690

County of DerbyshireObserver E. Sandeman Esq. C.E.River Basin Trent-Donwent 6S. B. Windsor Esq. C.E.

Rain Gauge, by _____

| | | | | | | | | | | | |
|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| Diameter ... | 5 | | | | | | | | | | |
| Height | 10 | | | | | | | | | | |
| Altitude ... | 540 | | | | | | | | | | |
| Year ... | 1910 | 1911 | 1912 | 1913 | 1914 | 1915 | 1916 | 1917 | 1918 | 1919 | MEANS. |
| January ... | 3.39 | 1.96 | 5.63 | 4.18 | 3.00 | 5.59 | 3.06 | 3.16 | 3.52 | 4.48 | |
| February ... | 4.17 | 4.22 | 2.00 | 1.47 | 2.35 | 5.43 | 6.64 | .67 | 3.78 | 2.67 | |
| March | 1.11 | 2.02 | 4.24 | 4.50 | 4.49 | 1.47 | 4.46 | 2.87 | 1.67 | 0.87 | |
| April | 3.19 | 2.58 | 1.42 | 2.92 | 1.81 | 1.46 | 2.96 | 1.96 | 1.49 | 2.42 | |
| May | 2.57 | .87 | 3.50 | 2.53 | 1.93 | 1.35 | 2.42 | 1.71 | 3.07 | 1.78 | |
| June | 2.90 | 2.73 | 4.31 | 2.02 | 2.72 | 1.72 | 2.43 | 1.78 | 1.61 | 1.86 | |
| July | 3.92 | .21 | 5.54 | 1.21 | 4.30 | 5.11 | 1.79 | 1.37 | 3.43 | 3.89 | |
| August | 4.77 | 2.22 | 7.34 | 1.50 | 1.62 | 2.96 | 2.06 | 6.34 | 2.11 | 3.45 | |
| September .. | .52 | 2.95 | 2.09 | 2.61 | 2.67 | .71 | 1.82 | 1.32 | 9.21 | 2.63 | |
| October ... | 2.88 | 3.00 | 3.54 | 5.05 | 3.55 | 2.17 | 4.94 | 5.42 | 2.77 | 3.62 | |
| November .. | 5.80 | 4.60 | 2.85 | 4.06 | 5.73 | 4.30 | 4.94 | 4.33 | 2.04 | 3.36 | |
| December ... | 7.44 | 7.02 | 4.99 | 3.23 | 7.64 | 7.99 | 3.49 | 2.25 | 6.52 | 8.07 | |
| TOTALS ... | 42.66 | 34.48 | 47.45 | 35.28 | 41.81 | 40.26 | 41.01 | 33.18 | 41.22 | 44.00 | |

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

RAINFALL at Yorkshire Bridge Weir No 59A.County of Derby Observer S.B. Wiman Esq. G.E.River Basin 6 - Trent - DerwentRain Gauge, by S'

| | | | | | | | | | | | |
|-----------|------|------|------|------|------|------|-------|-------|-------|-------|-------|
| Diameter | | | | | | | 5" | | | | |
| Height | | | | | | | 1' 0" | | | | |
| Altitude | | | | | | | 4540 | | | | |
| Year | 1920 | 1921 | 1922 | 1923 | 1924 | 1925 | 1926 | 1927 | 1928 | 1929 | 1930 |
| January | | | | | | | - | 3.19 | 8.50 | 2.43 | 6.03 |
| February | | | | | | | - | 1.65 | 5.49 | .67 | 1.48 |
| March | | | | | | | 2.37 | 4.52 | 2.84 | .59 | 2.81 |
| April | | | | | | | 1.71 | 4.55 | 1.55 | 1.37 | 4.52 |
| May | | | | | | | 2.50 | 1.31 | 1.21 | 2.65 | 2.20 |
| June | | | | | | | 2.41 | 5.17 | 4.42 | 1.46 | 3.62 |
| July | | | | | | | 2.87 | 2.35 | 1.27 | 2.79 | 5.13 |
| August | | | | | | | 3.72 | 4.77 | 4.17 | 3.42 | 4.54 |
| September | | | | | | | 2.46 | 6.01 | .60 | 2.17 | 5.34 |
| October | | | | | | | 4.13 | 3.44 | 5.55 | 5.03 | 6.14 |
| November | | | | | | | 4.53 | 4.90 | 7.84 | 8.21 | 4.44 |
| December | | | | | | | 2.78 | 2.47 | 3.55 | 9.51 | 4.31 |
| TOTALS | | | | | | | imp | 44.33 | 46.99 | 40.30 | 51.56 |

Values 1926-30 received 30/3/31.

To be taken as standard & to replace No 59, see Enc 31A of 66067/26.

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 |
|-------|---------|-------|------------------|---------------------|----------------------|----------------|---------------------|----------------------|
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RAINFALL at Bamford (Yorkshire Br. Weir) 5931
3(1937)County of DerbyshireObserver S. B. Winer, Esq., C.E.River Basin Trent-DonDonnerdale Valley Water Board (1933)

Type of Gauge.....

Annual Average 36.7 in. based on 24 years obs. ~~on~~-weighted. Period of average 1881-1915 Ref. S660619/25 370241/24

| Diameter | 5 | | | | | | | | | | | |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|
| Height | 1 | 0 | | | | | | | | | | |
| Altitude | 540 | | 544 | | | 560 | | | | | | |
| Year | 1931 | 1932 | 1933 | 1934 | 1935 | 1936 | 1937 | 1938 | 1939 | 1940 | Means | Totals |
| January | 6.09 | 4.29 | 2.59 | 3.83 | 2.79 | 3.78 | 6.27 | 4.74 | 6.82 | 3.74 | 44.94 | |
| February | 5.78 | 5.7 | 5.06 | 3.2 | 6.63 | 3.47 | 7.12 | 2.12 | 2.59 | 2.30 | 35.97 | |
| March | 3.14 | 2.54 | 2.88 | 3.69 | 1.59 | 2.99 | 3.23 | 1.21 | 3.60 | 2.81 | 24.88 | |
| April | 5.40 | 4.99 | 1.45 | 2.97 | 3.18 | 1.46 | 2.31 | 4.9 | 2.44 | 3.20 | 28.09 | |
| May | 2.29 | 4.86 | 1.62 | 1.97 | 4.0 | 1.99 | 2.81 | 2.90 | 1.91 | 1.09 | 21.84 | |
| June | 4.22 | 1.03 | 2.65 | 1.12 | 3.17 | 3.23 | 1.49 | 2.94 | 2.39 | 7.1 | 22.95 | |
| July | 4.26 | 4.29 | 2.33 | 2.82 | 1.41 | 4.33 | 3.50 | 4.63 | 6.87 | 3.14 | 37.58 | |
| August | 6.62 | 1.82 | 9.0 | 2.74 | 1.75 | 2.01 | 1.50 | 1.66 | 2.43 | 1.23 | 22.66 | |
| September | 5.00 | 2.74 | 1.59 | 2.92 | 6.05 | 5.06 | 1.25 | 2.70 | 2.07 | 2.86 | 32.24 | |
| October | 1.54 | 6.51 | 3.97 | 4.70 | 7.74 | 5.46 | 3.34 | 6.55 | 4.15 | 4.42 | 50.38 | |
| November | 5.24 | 3.59 | 3.15 | 2.34 | 7.03 | 4.73 | 1.81 | 5.57 | 7.52 | 8.52 | 49.50 | |
| December | 2.10 | 1.76 | 5.8 | 5.82 | 4.42 | 4.54 | 4.56 | 5.03 | 2.37 | 4.31 | 35.49 | |
| TOTALS | 48.88 | 38.99 | 30.77 | 35.24 | 46.16 | 40.05 | 39.19 | 40.55 | 45.36 | 38.33 | 406.52 | |

N.B. Inspected 4/38. "Rain". Two gauges in a smaller fence to be abandoned forthwith.
1937 gauge moved 500' SSE in Jan, 1936

Position of Station on reduced Ordnance Survey Map. } No. of Map..... Reference No.....
1 mile to 1 inch Series

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

Station No. T.F. 2690

RAINFALL at Barnford (Yorkshire Br. Wdn.) N^o 598 41County of DerbyshireObserver Derwent Valley Water Board.River Basin Derwent - Derwent - b

Type of Gauge.....

Annual Average 36.7 in. based on 24 years obs. un-weighted. Period of average 1881-1915 Ref. SNote Totals exactly higher than 2683 though Av. 24 less! File No. 270241/34
660619/26

| Diameter | 5" | | | 106 | 584 | | | | | | | |
|-----------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|--------|--------|
| Height | 1'0" | | | | 1 | | | | | | | |
| Altitude | 560 | | | | 41 | | | | | | | |
| Year | 1941 | 1942 | 1943 | 1944 | 1945 | 1946 | 1947 | 1948 | 1949 | 1950 | Means | Totals |
| January | 4.22 | 4.50 | 5.65 | 6.01 | 4.41 | 5.78 | 3.49 | 9.23 | 2.47 | 1.98 | 48.04 | |
| February | 4.76 | 1.79 | 3.64 | 2.72 | 4.61 | 6.95 | (3.50) | 3.07 | 2.84 | 6.23 | 39.81 | |
| March | (6.35) | 2.16 | 1.61 | .57 | 1.10 | 1.73 | (6.82) | 1.59 | 2.09 | 1.14 | 25.22 | |
| April | 3.02 | 2.26 | 2.79 | 2.72 | 2.22 | 1.54 | 3.63 | 2.13 | 4.31 | 4.17 | 28.79 | |
| May | 3.10 | 4.08 | 2.91 | 3.84 | 2.95 | 2.82 | 2.98 | 1.75 | 2.66 | 1.64 | 28.73 | |
| June | .68 | .98 | 2.28 | 2.86 | 3.75 | 3.64 | 2.72 | 4.33 | .80 | 1.48 | 23.52 | |
| July | 3.99 | 3.63 | 1.53 | 3.30 | 1.71 | 3.50 | 2.41 | 1.31 | 2.69 | 2.65 | 26.72 | |
| August | 4.45 | 3.33 | 3.11 | 2.83 | 2.12 | 3.90 | .51 | 4.57 | 2.09 | 3.31 | 30.22 | |
| September | .39 | 2.58 | 3.91 | 4.52 | 1.79 | 5.79 | 1.63 | 2.00 | 1.40 | 5.20 | 29.21 | |
| October | 5.16 | 4.99 | 2.52 | 4.20 | 6.98 | 1.06 | 1.01 | 2.25 | 4.11 | 1.88 | 34.16 | |
| November | 3.87 | 1.52 | 3.72 | 6.98 | .43 | 8.79 | 5.40 | 2.06 | 6.37 | 5.65 | 44.79 | |
| December | 2.37 | (3.60) | 1.94 | 3.72 | 3.03 | 4.57 | 5.49 | 3.97 | 6.79 | 2.51 | 37.99 | |
| TOTALS | 42.36 d | 35.42 d | 35.47 d | 44.27 d | 35.10 d | 50.07 d | 39.59 d | 38.56 d | 38.32 d | 37.84 d | 397.20 | |

1941. March est'd.

1942

Dec. 20th by observer.

30004

1947. Feb. March est. from snow.

10004 00014

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. 2680

TF. 26

RAINFALL at BAMFORD (YORKSHIRE BRIDGE WEIR) 59B

51

County of DERBYObserver DERWENT VALLEY WATER BD.River Basin TRENT-DEWENT-6Type of Gauge SwensonAnnual Average 36.7 in. based on 24 years obs. un-weighted. Period of average 1881-1915 Ref. S
" " 41.31 " " 30 " " WITHIN 1927-57 " " 1916-1950 SFile No. 370241/34

| | | | | | | | | | | | |
|---------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-----------------|
| Diameter ... | 5" | | | 106 | 584 | | | | | | |
| Height ... | 1' 0" | | | | 1 | | | 11" | | | |
| Altitude ... | 560' | | | | 51 | | | | | | |
| Year ... | 1951 | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 | 1959 | 1960 | Means Totals |
| January ... | 4.01 | 5.19 | 1.93 | 4.60 | 2.69 | 7.71 | 2.88 | 4.34 | 4.40 | 6.25 | 44.00 |
| February ... | 5.42 | 1.51 | 2.49 | 3.02 | 2.86 | 1.44 | 2.95 | 7.08 | .25 | 2.48 | 29.50 |
| March ... | 5.76 | 2.04 | 2.77 | 2.66 | (4.43) | 1.86 | 3.34 | 2.82 | 2.02 | 2.54 | 30.23 |
| April ... | 2.15 | 2.92 | 3.29 | .70 | 1.49 | 2.12 | .33 | 1.15 | 3.71 | 2.10 | 19.96 |
| May ... | 2.97 | 3.03 | 2.40 | 3.39 | 4.96 | .64 | 1.32 | 3.50 | 1.33 | 1.95 | 25.48 |
| June ... | 1.35 | 2.03 | 3.03 | 2.57 | 3.46 | 3.66 | 1.61 | 4.30 | 1.96 | 1.25 | 25.22 |
| July ... | 1.70 | 1.86 | 3.78 | 3.90 | 1.64 | 7.21 | 3.54 | 6.22 | 2.47 | 4.80 | 37.12 |
| August ... | 4.41 | 2.32 | 4.29 | 6.22 | .70 | 6.58 | 7.38 | 4.39 | .54 | 3.53 | 40.36 |
| September ... | 2.33 | 5.23 | 2.17 | 4.61 | 1.79 | 4.50 | 6.71 | 4.10 | .05 | 4.38 | 35.87 |
| October ... | .94 | 7.53 | 2.22 | 5.38 | 3.37 | 2.82 | 3.03 | 3.58 | 2.87 | 6.65 | 38.39 |
| November ... | 12.74 | 3.55 | 2.65 | 6.86 | 2.56 | 1.86 | 2.72 | 1.03 | 4.82 | 5.42 | 44.21 |
| December ... | 6.04 | 4.07 | 1.78 | 7.28 | 6.56 | 4.86 | 4.72 | 5.48 | 6.21 | 4.35 | 50.85 |
| TOTALS ... | 49.82 d | 41.28 d | 32.80 d | 51.19 d | 35.50 d | 46.25 d | 40.53 d | 47.99 d | 30.63 d | 46.20 d | 421.19 |

1955 Mar. amended 1903, Engr. agreed.

10004

July 1958 J.B.O.K. Leak at junction of 2 tubes & funnel. Tree 65' 110' NHE satisfactory exposure. No reading on Sundays.

1908 7mm incl LRA. Leak at junction of tubes and funnel not noticed.

Position of Station on Ordnance One-Inch map :

No. of Map 111National Grid Reference 58/198250

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

Summary of Earlier Records from 10-year Sheets :

| Record D, or d | 1910-19 | 1920-30 | 1931-40 | 1941-50 | 1951-60 |
|-------------------|---------|-----------|--------------|---------|---------|
| | | cimp 1926 | ✓ d 33-40 | ✓ | ✓ |