

RAINFALL at Towyn Bronffynnon

County of Merioneth

Observer D. T. H. JonesRiver Basin Snoddech & C-4* Rain Gauge, by N.F.Z. old gauge
1925 M.O.

| Diameter ... | 5 | | | | | | | | | | |
|--------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| Height | 1. | | | | | | | | | | |
| Altitude ... | 180 | | | | | | | | | | |
| Year | 1920 | 1921 | 1922 | 1923 | 1924 | 1925 | 1926 | 1927 | 1928 | 1929 | 1930 |
| January ... | 5.80 | 4.27 | 3.93 | 2.87 | 4.04 | 4.27 | 7.24 | 1.52 | 5.92 | | |
| February ... | 5.02 | 7.41 | 1.08 | 6.30 | 3.43 | 3.45 | 3.40 | 1.49 | 1.40 | | |
| March | 3.70 | 1.58 | 2.14 | 1.46 | 1.09 | 4.03 | 2.00 | 1.10 | 2.10 | | |
| April..... | 2.69 | 4.40 | 2.84 | 2.55 | 1.52 | 1.77 | 1.32 | 1.28 | 2.24 | | |
| May | 2.57 | 1.90 | 3.58 | 6.24 | 4.44 | 2.68 | 1.72 | 1.17 | 3.31 | 2.04 | |
| June | 1.54 | 1.94 | 2.11 | 3.23 | 0.97 | 2.68 | 5.42 | 5.80 | 3.32 | 2.43 | |
| July | 2.15 | 4.77 | 4.32 | 5.61 | 2.57 | 5.95 | 4.93 | 4.23 | 3.01 | 4.24 | |
| August | 7.58 | 5.62 | 4.67 | 5.72 | 5.92 | 4.24 | 6.69 | 6.42 | 4.09 | 6.04 | |
| September... | 2.22 | 4.90 | 6.67 | 6.55 | 4.72 | 3.01 | 5.13 | 2.88 | 2.62 | 4.40 | |
| October..... | 4.32 | 1.07 | 8.93 | 4.96 | 4.47 | 3.70 | 4.05 | 7.02 | 8.75 | 6.02 | |
| November... | 3.18 | 2.59 | 5.16 | 2.33 | 2.45 | 6.51 | 4.34 | 6.70 | 9.79 | 5.23 | |
| December... | 4.76 | 4.43 | 4.29 | 5.96 | 3.24 | 1.57 | 1.75 | 3.50 | 6.56 | 7.95 | |
| TOTALS... | imp | 44.82 | 86.39 | 50.39 | 41.05 | 40.42 | 47.55 | 51.18 | 46.84 | 49.34 | |
| | d | D | D | D | D | D | D | D | D | D | |

1921 * Observe gauge resembles, but not identical with London

Apple trees 10ft high 20ft S.S.W. 1930. In the second half of the year the readings are shown in 2 columns for comparison of A - Old gauge + measure.

Deciduous trees 25ft + 36yds E.S.E. B - new M.O. gauge + certified

Evergreen shrublets 20ft + 25ft W.N.W. Gauge stood side

1930. Obs. taken at 1921-1930 are slightly low generally due to the use of an incorrectly graduated gauge which reads 2% less. Same side of hill.

a.m. in summer. measures used for past 5 yrs. with old gauge found to be defective. Record terminated.

1930 New gauge and tapes measure have been used see next sheet

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 | Parish Church. | Distance from gauge | Direction |
|-------|---------|-------|------------------|---------------------|-----------|----------------|---------------------|-----------|
| 1922 | | | Towyn | 2 3/4 mi | W.S.W. | Towyn | 2 3/4 mi | W.S.W. |
| 1930 | | | | | | | | |

RAINFALL at Ynys-y-Pwll, Bronffynnon. New gauge.

20

County of Merioneth.

Observer Mr. T.H. Jones.

River Basin Mawddach & C. H.

Mr. O Rain Gauge, by.....

| Diameter | 1920 | 1921 | 1922 | 1923 | 1924 | 1925 | 1926 | 1927 | 1928 | 1929 | 1930 |
|-----------|------|------|------|------|------|------|------|------|------|------|---------------|
| Height | | | | | | | | | | | 5 |
| Altitude | | | | | | | | | | | 180 |
| January | | | | | | | | | | | (6.04) |
| February | | | | | | | | | | | (.72) |
| March | | | | | | | | | | | (2.13) |
| April | | | | | | | | | | | (2.30) |
| May | | | | | | | | | | | (2.11) |
| June | | | | | | | | | | | (2.48) |
| July | | | | | | | | | | | 4.31 |
| August | | | | | | | | | | | 6.17 |
| September | | | | | | | | | | | 4.44 |
| October | | | | | | | | | | | 6.12 |
| November | | | | | | | | | | | 5.35 |
| December | | | | | | | | | | | 8.18 |
| TOTALS | | | | | | | | | | | (60.35) D. |

1930. The difference in readings between gauges wholly due to the fact that 0.49" old measure - 0.50" new measure.

3 ft. from old gauge. Jan-June adjusted from old gauge.
Catches 2% more than old gauge with incorrect measure.

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 | Parish Church, | Distance from gauge | Direction |
|-------|---------|-------|------------------|---------------------|-----------|----------------|---------------------|-----------|
| | | | | | | | | |

RAINFALL at Towyn (Bontffynnon) new gaugeCounty of MerionethObserver D. T. Henry JonesRiver Basin. 4 - Mawddach &c.Type of Gauge Snowdon

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

Ref.....

662226/26

| Diameter | 5. | | | | | | | | | | | |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|
| Height | 1. 0. | | | | | | | | | | | |
| Altitude | 180. | | | | | | | | | | | |
| Year | 1931 | 1932 | 1933 | 1934 | 1935 | 1936 | 1937 | 1938 | 1939 | 1940 | Means | |
| January | 4.09 | 4.90 | 4.05 | 3.26 | 1.89 | 5.94 | 4.78 | 4.49 | 6.75 | 3.37 | 4352 | |
| February | 4.84 | 1.14 | 3.89 | 5.9 | 4.78 | 2.25 | 7.40 | 1.68 | 4.06 | 3.92 | 3355 | |
| March | 1.39 | 2.67 | 3.00 | 3.13 | 1.17 | 2.42 | 2.27 | 2.20 | 2.61 | 2.69 | 2355 | |
| April | 5.24 | 2.34 | 0.92 | 2.37 | 4.67 | 2.12 | 3.45 | 3.37 | 2.19 | 3.11 | 2678 | |
| May | 4.43 | 5.30 | 1.58 | 3.94 | 2.11 | 1.77 | 1.64 | 2.08 | 0.73 | 1.87 | 2545 | |
| June | 5.43 | 1.57 | 3.40 | 2.43 | 5.60 | 6.19 | 2.03 | 3.85 | 2.94 | 1.73 | 3417 | |
| July | 3.71 | 5.15 | 2.20 | 1.17 | 1.28 | 6.05 | 3.02 | 5.88 | 9.14 | 7.06 | 4466 | |
| August | 4.92 | 1.34 | 1.76 | 7.29 | 3.34 | 2.15 | 1.82 | 4.34 | 4.16 | .89 | 3201 | |
| September | 3.43 | 4.18 | 1.17 | 3.89 | 6.81 | 5.18 | 3.15 | 2.79 | 1.50 | 4.50 | 3666 | |
| October | 2.59 | 6.59 | 5.56 | 5.12 | 6.02 | 2.37 | 3.51 | 6.26 | 2.91 | 5.32 | 4625 | |
| November | 7.89 | 3.39 | 1.25 | 1.82 | 6.04 | 6.12 | 1.75 | 6.15 | 7.80 | 8.08 | 5029 | |
| December | 3.05 | 2.39 | 2.30 | 7.57 | 2.93 | 5.12 | 3.40 | 4.01 | 3.59 | 4.43 | 3879 | |
| TOTALS | 51.01 | 39.96 | 31.08 | 42.58 | 46.64 | 47.68 | 38.22 | 44.10 | 48.38 | 46.03 | 43568 | KM |

1931. Trees 10' high, 20' lwdw.
 Shrubs 6' " 25 yds. W. N. W.
 Trees 25' " 36 " S. E. C.

1936. Shrubs 10' high 25 yds. W. N. W.

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 | Parish Church. | Distance from gauge |
|-------|---------|-------|------------------|------------------------------|-----------|----------------|-----------------------------|
| 1931. | | | Towyn | 2 $\frac{3}{4}$ m. N.E. S.W. | | Towyn | 2 $\frac{1}{4}$ m. W. N. W. |

Station No. 4339

41

RAINFALL at Towyn (Branffynnon)

County of Merioneth

Observer D^r T. Henry Jones

River Basin Afon Mawddach &c.

Type of Gauge Standard

20

Annual Average 43.5 in. based on 12 years obs. un-weighted. Period of average 1881-1912 Ref file
47426 4336

File No. 662226/2

| Diameter | 5 | | | 524 | 70 | | | | | | |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Height | 1 | 0 | | | | 1 | | | | | |
| Altitude | 180 | | | | | 41 | | | | | |
| Year | 1941 | 1942 | 1943 | 1944 | 1945 | 1946 | 1947 | 1948 | 1949 | 1950 | Means |
| January | 3.49 | 5.85 | 6.67 | 3.99 | 3.32 | 5.13 | 3.76 | 9.41 | 3.99 | 1.19 | |
| February | 3.17 | 1.16 | 3.24 | 2.36 | 4.06 | 3.36 | 1.34 | 2.35 | 1.65 | 6.73 | |
| March | 2.31 | 2.93 | 1.21 | 0.57 | 2.14 | 1.18 | 4.01 | 1.98 | 2.91 | 2.48 | |
| April | 1.88 | 1.61 | 1.51 | 2.65 | 1.95 | 1.19 | 2.93 | 1.81 | 4.84 | 4.66 | |
| May | 2.90 | 3.71 | 4.17 | 1.92 | 3.75 | 2.01 | 4.36 | 1.61 | 3.77 | 0.77 | |
| June | 1.41 | 0.48 | 4.22 | 3.27 | 4.59 | 5.00 | 2.45 | 4.69 | 0.78 | 3.45 | |
| July | 3.35 | 5.64 | 3.19 | 3.84 | 2.69 | 3.47 | 3.71 | 3.06 | 1.93 | 3.64 | |
| August | 3.92 | 3.58 | 4.43 | 2.79 | 3.91 | 6.41 | 4.47 | 5.36 | 2.56 | 9.12 | |
| September | 1.65 | 3.82 | 5.27 | 3.90 | 2.79 | 6.49 | 2.36 | 4.36 | 2.77 | 10.54 | |
| October | 5.95 | 4.97 | 4.65 | 5.71 | 3.74 | 2.32 | 0.99 | 3.82 | 9.13 | 5.31 | |
| November | 3.03 | 1.02 | 4.29 | 6.57 | 6.64 | 6.37 | 4.52 | 4.69 | 5.65 | 4.91 | |
| December | 2.61 | 5.81 | 1.91 | 3.67 | 4.88 | 5.06 | 4.67 | 6.07 | 5.34 | 3.87 | |
| TOTALS | 35.67 | 40.58 | 43.76 | 31.24 | 38.46 | 47.99 | 38.57 | 49.21 | 43.62 | 56.47 | |
| | D | D | D | D | D | D | D | D | D | D | |

1941 Jan adj. for snow.
 Apple trees 10' high 30' SSW.
 belt green shrubs 10' high 25 yds WNW.
 belt deciduous trees 25' high 36 yds ESE.

10

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

Reference No. 22-619036

| Date. | Lat. N. | Long. | Railway Station. | Distance from gauge | Direction | Parish Church. | Distance from gauge | Direction |
|-------|---------|-------|------------------|---------------------|-----------|----------------|---------------------|-----------|
| 1941 | | | Towyn | 2 $\frac{3}{4}$ mi | WSW | Towyn | 2 $\frac{1}{4}$ mi | WSW |

Station No. 4329

51

RAINFALL at Trawsarn (Bronhydron)

County of Gwyneddshire Observer Dr T. Henry Jones

River Basin N - Trawsddach & C.

Type of Gauge Standard

Annual Average 13.5 in. based on 20 years obs. unweighted. Period of average 1881-1915. Ref file

4126
4336

File No. 662226/26

| Diameter ... | 5" | | | 524 | 70 | | | | | | |
|---------------|-------|-------|------|------|------|------|------|------|------|------|-------|
| Height ... | 1' 0" | | | | | 1 | | | | | |
| Altitude ... | 180' | | | | | 51 | | | | | |
| Year ... | 1951 | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 | 1959 | 1960 | Means |
| January ... | 4.21 | 4.15 | | | | | | | | | |
| February ... | 3.93 | 1.62 | | | | | | | | | |
| March ... | 6.18 | 2.80 | | | | | | | | | |
| April ... | 2.98 | 2.69 | | | | | | | | | |
| May ... | 2.24 | 3.71 | | | | | | | | | |
| June ... | 1.16 | 3.37 | | | | | | | | | |
| July ... | 2.07 | 1.90 | | | | | | | | | |
| August ... | 6.11 | 5.69 | | | | | | | | | |
| September ... | 5.66 | 2.93 | | | | | | | | | |
| October ... | 1.86 | 5.45 | # | | | | | | | | |
| November ... | 6.61 | 4.33 | | | | | | | | | |
| December ... | 7.72 | 4.01 | | | | | | | | | |
| TOTALS ... | 50.15 | 42.65 | | | | | | | | | |
| | D | D | N.R. | | | | | | | | |

1941 Apple trees 10' high 30° SSW; Balsam green shrubs 10' high 25° WNW.
Balt deciduous trees 25' high 36° ESE.

1951 9.10.

T. 1953. Moved to Kent.

2

Position of Station on Ordnance One-Inch map : No. of Map National Grid Reference 22 618036.

| Date. | Lat. N. | Long. | Railway Station. | Distance from gauge | Parish Church. | Distance from gauge |
|-------|---------|-------|------------------|---------------------|----------------|---------------------|
| 1941 | | | Trawsarn | 2 3/4 N 630 | Trawsarn | 2 3/4 W 5.50 |

Summary of Earlier Records from 10-year Sheets :

| Record D, or d | | 1910-19 | 1920-30 | 1931-40 | 1941-50 | 1951-60 |
|-------------------|--|---------|----------|-----------|---------|---------|
| | | | C 1921 D | 1922-30 D | D | D |