

RAINFALL AT Pentre Isclas, Voelas Hall

Lat. _____

Lon. _____

County of DenbighShawdon Rain Gauge, by _____Observer Mr. J. DickieConway - 3.

| | | | | | | | | | | | |
|--------------|------|------|------|------|------|------|------|------|-------|-------|--------|
| Diameter ... | | | | | | | | | 5 | | |
| Height | | | | | | | | | 1 3 | | |
| Altitude ... | | | | | | | | | 640 | | |
| Year ... | 1900 | 1901 | 1902 | 1903 | 1904 | 1905 | 1906 | 1907 | 1908 | 1909 | MEANS. |
| January ... | | | | | | | | | 5.78 | 4.02 | |
| February ... | | | | | | | | | 5.34 | 2.37 | |
| March | | | | | | | | | 6.71 | 4.00 | |
| April | | | | | | | | | 2.94 | 3.99 | |
| May | | | | | | | | | 2.89 | 1.65 | |
| June | | | | | | | | | 3.03 | 2.36 | |
| July | | | | | | | | | 3.58 | 3.63 | |
| August | | | | | | | | | 4.58 | 2.79 | |
| September .. | | | | | | | | | 4.03 | | |
| October ... | | | | | | | | | .92 | | |
| November .. | | | | | | | | | 2.87 | 3.21 | |
| December ... | | | | | | | | | 5.27 | 9.39 | |
| TOTALS ... | | | | | | | | | 47.94 | 53.12 | |

1908 - g. recd. 3 XII. 10. entd 24. XII. 12

Bethus-y-coed Stn 5 1/2 m. W. N. W.

Pentrevaelas Ch. 1 1/2 m. E.

148

RAINFALL at *Sentie Voelas Voelas Hall*

County of *Denbigh*Observer *Mr J. Dickie*River Basin *Conway 3**Snowdon* Rain Gauge, by

| | | | | | | | | | | | | |
|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----------------------------|--|
| Diameter ... | 5 | | | | | | | | | | | |
| Height | 13 | | | | | | | | | | | |
| Altitude ... | 640ft | | | | | | | | | | | |
| Year ... | 1910 | 1911 | 1912 | 1913 | 1914 | 1915 | 1916 | 1917 | 1918 | 1919 | TOTALS MEANS. 1910-19 | |
| January ... | 7.34 | 2.62 | 4.23 | 5.74 | 6.29 | 8.61 | 7.61 | 3.90 | 6.63 | 6.11 | 24.25 | |
| February ... | 7.90 | 6.36 | 4.01 | 3.33 | 6.23 | 8.90 | 7.21 | .30 | 6.65 | 2.24 | 16.40 | |
| March | 2.71 | 2.50 | 8.23 | 9.14 | 7.04 | 1.07 | 2.65 | 2.87 | 2.67 | 7.96 | 16.15 | |
| April | 5.13 | 4.10 | .53 | 6.85 | 1.47 | 2.90 | 4.01 | 3.52 | 1.81 | 3.59 | 12.93 | |
| May | 3.27 | 2.01 | 1.41 | 2.60 | 3.24 | 2.17 | 4.29 | 2.44 | 3.34 | 1.65 | 11.70 | |
| June | 3.42 | 4.39 | 5.50 | 4.87 | 3.28 | .85 | 2.51 | 3.14 | 1.57 | 2.17 | 9.39 | |
| July | 4.80 | 1.35 | 5.29 | 1.69 | 5.21 | 5.57 | 2.98 | 1.73 | 4.65 | 2.38 | 11.74 | |
| August | 4.69 | 4.98 | 6.92 | 2.71 | 5.16 | 3.01 | 4.33 | 9.12 | 2.18 | 4.51 | 20.14 | |
| September .. | .37 | 5.09 | 1.69 | 3.91 | 2.81 | 2.04 | 3.80 | 2.86 | 12.54 | 5.11 | 20.29 | |
| October ... | 5.54 | 5.81 | 6.46 | 5.75 | 2.57 | 2.23 | 13.42 | 10.45 | 5.92 | 4.61 | 34.10 | |
| November .. | 7.26 | 7.48 | 6.59 | 6.75 | 6.99 | 5.11 | 5.21 | 5.31 | 2.90 | 5.00 | 18.42 | |
| December ... | 8.84 | 9.10 | 9.79 | 4.77 | 12.99 | 10.78 | 4.02 | 2.25 | 7.94 | 7.84 | 22.05 | |
| TOTALS ... | 61.27 | 55.79 | 60.65 | 58.11 | 63.28 | 53.34 | 62.04 | 47.97 | 58.80 | 53.15 | 574.30 221.86 | |

1912 Hedge 2.6 hgt 7.0 5

| Date. | Lat. N. | Long. W. | Railway Station. | Distance. | Direction. | Church. | Distance. | Direction. |
|-------|---------|----------|------------------|-----------|------------|---------------|-----------|------------|
| 1911 | 53.3 | 2.43 | Bettws-y-Coed | 5 1/2 mi | SW W.N.W. | Centre Voelas | 2 mi | E N.E. |

RAINFALL at *Pentre Fochas (Vochas Hall)*County of *Denbigh* Observer *Mr. L. Dechic* yearRiver Basin *Conwy - 3* Capt. J.C. Wynne Jones*Inverness* Rain Gauge, by

| | | | | | | | | | | | | | |
|---------------|-------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------------------------|-------------------|--|
| Diameter ... | 5" | | | | | | | | | | | | |
| Height | 1.3 | | | | | | | 1.6 | | | | | |
| Altitude ... | 640 | | | | | | | 1.6 | | | | | |
| Year | 1920 | 1921 | 1922 | 1923 | 1924 | 1925 | 1926 | 1927 | 1928 | 1929 | 1930 1930 | TOTALS 1920-29 | |
| January ... | 9.18 | 9.56 | 7.17 | 4.59 | 4.77 | 6.48 | 7.73 | 6.32 | 11.71 | 1.60 | 11.39 | 80.50 | |
| February ... | 6.63 | 4.6 | 7.07 | 11.18 | 9.6 | 9.30 | 4.22 | 3.91 | 7.86 | 1.72 | 5.6 | 53.87 | |
| March | 7.77 | 6.50 | 5.61 | 2.85 | 1.50 | 2.29 | 2.14 | 5.61 | 3.65 | 1.12 | 3.39 | 12.23 | |
| April | 7.61 | 1.72 | 4.71 | 3.99 | 3.57 | 3.89 | (2.76) | 2.52 | 2.22 | 1.55 | 4.63 | 39.17 | |
| May | 5.66 | 2.70 | 1.51 | 4.66 | 7.19 | 5.61 | (4.12) | 2.53 | 1.80 | 3.68 | 2.24 | 41.70 | |
| June | 2.87 | .61 | 2.32 | 1.99 | 2.67 | .04 | 3.23 | 5.60 | 8.31 | 2.18 | 1.81 | 31.65 | |
| July | 7.53 | 2.83 | 5.06 | 3.04 | 5.11 | 1.76 | 5.85 | 2.33 | 2.60 | 3.77 | 5.76 | 45.64 | |
| August | 2.69 | 7.47 | 3.11 | 7.23 | 5.76 | 3.31 | 5.00 | 9.39 | 5.15 | 5.35 | 5.41 | 60.87 | |
| September... | 4.09 | 2.01 | 3.81 | 5.54 | 7.95 | 5.17 | 4.05 | 6.81 | 2.22 | 2.87 | 5.12 | 49.14 | |
| October | 2.72 | 3.44 | 1.65 | 11.01 | 6.65 | 6.64 | 5.82 | 7.98 | 9.20 | 8.52 | 9.53 | 73.16 | |
| November... | 3.45 | 4.68 | 3.26 | 9.25 | 3.19 | 2.85 | 8.53 | 6.80 | 12.27 | 11.30 | 7.98 | 73.56 | |
| December... | 4.93 | 7.81 | 10.18 | 5.30 | 8.29 | 7.74 | 1.31 | 1.77 | 4.53 | 14.04 | 8.70 | 74.60 | |
| TOTALS... | 66.13 | 49.79 | 55.46 | 70.63 | 57.61 | 55.08 | 54.76 | 61.57 | 71.52 | 57.20 | 66.52 | 666.27 | |
| | 0 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 0 | 2 | 2 | 2 | |

1920. Hedge 1.6" 7.0" 8.

BS.

1924. Blower cap. "These are not quite reliable, gauge looking slightly".

1925. HEDGE 1' 4" High 7' 3"
 -do- 4' 4" " 27' W
 WALL 6' 0" " 46' N
 -do- 6' 6" " 31' E

1930. Gauge read 9.9 m.

1930. October corrected by reference to Fm 1040.

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 from gauge | Parish Church. | Distance from gauge | Direction from gauge |
|-------|---------|----------|------------------|---------------------|----------------------|----------------|---------------------|----------------------|
| 1920. | 53° 3' | 5° 43' W | Beltsoy Road | 5 km. | N.W. | Pentre Vochas | 2 m. | E. |

RAINFALL at Pentre Uoelas (Uoelas Hall)County of DenbighObserver J.N. DickieRiver Basin 3 - ConwayType of Gauge Snodden B.G. (1936)Annual Average 53.2 in. based on years obs. un-weighted. Period of average Ref.

| Diameter | 5. | | | | | | | | | | | |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------------|-------|
| Height | 1.3. | | | | | | 1.6. | | | | | |
| Altitude | 640. | | | | | | | | | | | |
| Year | 1931 | 1932 | 1933 | 1934 | 1935 | 1936 | 1937 | 1938 | 1939 | 1940 | TOTAL 1931-40 | Means |
| January | 6.41 | 9.54 | 6.40 | 6.56 | 2.40 | 8.47 | 6.27 | 10.08 | 10.14 | 2.90 | 69.17 | |
| February | 6.21 | 12 | 4.81 | 4.49 | 9.59 | 4.74 | 11.71 | 1.88 | 5.84 | 3.40 | 48.79 | |
| March | 1.44 | 4.37 | 3.05 | 3.57 | 1.41 | 4.06 | 3.47 | 2.60 | 4.33 | 3.79 | 32.03 | |
| April | 4.44 | 6.26 | 1.25 | 3.30 | 4.84 | 2.61 | 3.59 | .35 | 3.03 | 2.79 | 32.46 | |
| May | 4.06 | 4.88 | 1.68 | 4.49 | 1.54 | 3.04 | 1.64 | 3.99 | 1.79 | 2.36 | 29.47 | |
| June | 3.97 | 1.48 | 3.13 | 2.67 | 8.21 | 6.16 | 2.56 | 6.13 | 3.11 | 1.25 | 38.67 | |
| July | 4.28 | 6.04 | 3.16 | 1.79 | 11.08 | 6.51 | 1.96 | 5.61 | 9.11 | 2.98 | 42.52 | |
| August | 5.88 | 1.98 | 1.85 | 5.94 | 2.01 | 1.70 | .99 | 5.08 | 1.76 | 1.03 | 27.92 | |
| September | 4.36 | 5.38 | 1.23 | 4.61 | 9.64 | 5.95 | 2.44 | 1.40 | 1.01 | 5.68 | 41.70 | |
| October | 2.23 | 9.18 | 6.05 | 10.18 | 10.40 | 5.13 | 3.33 | 12.04 | 3.95 | 7.28 | 69.77 | |
| November | 10.96 | 4.66 | 2.14 | 1.88 | 7.16 | 7.71 | 2.21 | 8.02 | 11.90 | 11.10 | 67.74 | |
| December | 3.55 | 4.21 | 1.36 | 9.35 | 3.80 | 9.80 | 4.27 | 5.83 | 4.97 | 4.24 | 51.37 | |
| TOTALS | 57.79 | 58.10 | 36.80 | 54.83 | 62.08 | 65.88 | 44.44 | 63.01 | 60.94 | 48.80 | 551.67 | KM |

1934. Hedge 1'6" high 7'0 S.
 " 12" " 24' S.W.
 Wall 10' " 19' E.
 1940. Jam part ester,

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 | Parish Church. | Distance from gauge | Direction |
|-------|---------|-------|------------------|---------------------|-----------|----------------|---------------------|-----------|
| 1934 | | | Bettws-y-Coed | 5½ m | N.W. | Porthorodes | 2 m | E. |

Station No. 4321

RAINFALL at Pentre Voelas (Voelas Hall)

41

County of Denbigh Observer H. T. H. DaviesRiver Basin 3 - Conway The West EndersType of Gauge B. A. Simonson (cup) Col. J. C. Wynne FitchAnnual Average 53.2 in. based on 40 years obs. un-weighted. Period of average 1881-1915 Ref. P.R. 538File No. E3540746

| Diameter | 5 | | | | 534 | 901 | | | | | |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------------------|
| Height | 1 | 6 | | | | 1 | 1' 3" | | | | |
| Altitude | 640 | | | | | 41 | 644 | | | | |
| Year | 1941 | 1942 | 1943 | 1944 | 1945 | 1946 | 1947 | 1948 | 1949 | 1950 | TOTALS 1941-50 |
| January | 2.68 | 6.71 | 8.82 | 9.32 | 5.28 | 11.47 | 6.76 | 12.85 | 4.53 | 3.27 | 71.69 |
| February | 6.30 | 2.24 | 5.21 | 2.56 | 8.66 | 9.42 | 1.51 | 5.06 | 3.61 | 9.34 | 53.91 |
| March | 4.02 | 3.77 | 1.74 | 1.16 | 2.08 | 2.16 | 8.68 | 4.38 | 2.18 | 3.20 | 33.37 |
| April | 1.19 | 2.97 | 2.13 | 2.72 | 2.86 | 1.29 | 7.25 | 2.59 | 6.68 | 5.90 | 35.58 |
| May | 2.83 | 5.92 | 7.10 | 2.49 | 5.98 | 2.20 | 4.34 | 1.83 | 3.51 | 1.48 | 37.68 |
| June | 0.76 | 0.51 | 4.33 | 3.62 | 4.31 | 4.99 | 3.39 | 7.01 | 1.02 | 1.60 | 31.54 |
| July | 1.35 | 4.05 | 3.78 | 2.80 | 2.20 | 2.92 | 3.11 | 3.15 | 1.71 | 3.93 | 29.00 |
| August | 5.46 | 4.25 | 6.13 | 3.19 | 2.18 | 6.58 | 0.75 | 5.72 | 5.26 | 6.43 | 46.96 |
| September | 1.62 | 4.58 | 6.43 | 6.89 | 4.10 | 7.55 | 3.43 | 4.64 | 1.38 | 10.67 | 51.34 |
| October | 7.37 | 5.66 | 6.44 | 8.88 | 7.52 | 1.31 | 0.82 | 3.62 | 8.99 | 5.44 | 56.05 |
| November | 3.12 | 1.09 | 3.46 | 12.17 | 0.81 | 8.27 | 9.47 | 4.71 | 7.42 | 5.61 | 56.13 |
| December | 4.46 | 7.43 | 3.00 | 9.33 | 6.39 | 7.17 | 4.62 | 8.67 | 11.45 | 5.07 | 67.59 |
| TOTALS | 41.16 | 49.18 | 58.57 | 65.83 | 52.37 | 65.33 | 54.18 | 64.23 | 57.74 | 61.94 | 569.83 |
| | D | D | D | D | D | D | D | D | D | D | |

1941 Hedge 1'3" high 6'S.

1942 Temp. Screen 1'6" 1'NE. Gauge moved 1'N 2'42.

1947 Tree 30' high 30'E. Trees 60' 30'E

1944 Annual total corrected for with.

123 93 123 102 121

m 532

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 | Parish Church. | Distance from gauge. | Direction |
|-------|---------|-------|------------------|---------------------|-----------|----------------|----------------------|-----------|
| 1941 | | | Bethwsycoed | 5 m | NW. | Voelas | 1 1/2 m | E. |
| 1947 | | | " | 5 1/2 m | N.W | Pentrevoelas | 2 m. | E |

BRITISH RAINFALL ORGANIZATION

Station No. 4324

RAINFALL at Pentre Vaelas (Vaelas Hall)

51

County of Denbighshire Observer Col. J.C. Wynne Finch

River Basin 3 - Conway

Type of Gauge Snowdon BA

Annual Average 53.2 in. based on 49 years obs. un-weighted. Period of average 1881-1915 Ref. P.B.538

File No. E 35204/146

| | | | | | | | | | | | | |
|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----------------|----|
| Diameter ... | 5" | | | | 534 | 901 | | | | | 5" | |
| Height ... | 1' 3" | | | | | 1 | | | | | 10" | |
| Altitude ... | 640' | | 644' | | 644 | 51 | | | | | 640' | |
| Year ... | 1951 | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 | 1959 | 1960 | Means Totals | |
| January ... | 5.12 | 7.62 | 1.61 | 4.45 | 6.13 | 5.44 | 9.86 | 6.42 | 7.77 | 10.55 | 64.97 | |
| February ... | 6.20 | 1.55 | 4.23 | 5.22 | 3.06 | 1.07 | 5.60 | 8.80 | 8.3 | 6.50 | 43.06 | |
| March ... | 6.94 | 3.32 | 3.19 | 3.96 | 2.67 | 2.73 | 3.97 | 1.18 | 2.81 | 2.11 | 32.88 | |
| April ... | 4.65 | 2.27 | 4.46 | 1.51 | 2.67 | 1.38 | 0.59 | 1.45 | 6.40 | 3.76 | 29.04 | |
| May ... | 2.34 | 2.69 | 2.46 | 4.26 | 6.32 | 1.64 | 2.58 | 5.09 | 2.01 | 1.91 | 31.30 | |
| June ... | 1.32 | 2.56 | 2.18 | 3.13 | 4.07 | 2.43 | 1.06 | 3.72 | 2.22 | 2.13 | 24.82 | |
| July ... | 1.40 | 1.63 | 5.32 | 5.64 | 1.23 | 6.64 | 7.34 | 5.74 | 4.24 | 4.00 | 43.18 | |
| August ... | 6.66 | 4.50 | 5.16 | 6.17 | 1.53 | 8.76 | 7.65 | 4.87 | 1.16 | 3.88 | 50.34 | |
| September ... | 6.20 | 5.69 | 6.05 | 6.10 | 2.42 | 4.98 | 7.76 | 9.63 | 0.50 | 6.76 | 56.09 | |
| October ... | 2.01 | 7.19 | 2.32 | 12.19 | 5.02 | 4.92 | 6.67 | 4.81 | 7.96 | 5.12 | 58.21 | |
| November ... | 8.79 | 3.56 | 6.41 | 11.41 | 2.47 | 2.87 | 2.37 | 2.26 | 8.06 | 13.92 | 62.12 | |
| December ... | 11.12 | 6.56 | 1.84 | 6.83 | 6.93 | 6.84 | 5.03 | 4.25 | 14.81 | 7.74 | 71.95 | |
| TOTALS ... | 62.75 | 49.14 | 45.23 | 70.87 | 44.42 | 49.70 | 60.48 | 58.22 | 58.77 | 68.38 | 567.96 | 10 |

1947 Trees 30' high 30' S. Trees 60' high 30' S. E

1957 Hedge 12' at 8' South.

Inspected 8.8.60 by St. John's. On levelled slope 10' drop 10' S. Trees all well 50'-70' N → 110'-110' NE → 100'-90' E

G. in poor condition. Rain. var. g. at bottom 40-50 yds NW and 30' higher. - reasonably satisfactory.

1960 New gauge installed Oct 1960, over the record will be maintained for a period.

851515

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference SH(23) 851515

| Date. | Lat. N. | Long. | Railway Station. | Distance from gauge | Direction | Parish Church. | Distance from gauge. | Direction |
|-------|---------|-------|------------------|---------------------|-----------|----------------|----------------------|-----------|
| 1947 | | | Bettwsycoed | 5 1/2 | NW | Pentre Vaelas | 2 1/2 | E |
| 1957 | | | " | 4 3/4 | " | " | 1 1/2 | " |

Summary of Earlier Records from 10-year Sheets :

1916-1950, P-Rejected

| Record | 1910-19 | 1920-30 | 1931-40 | 1941-50 | 1951-60 |
|---------|---------|---|---------------------------------|----------------------------------|---------|
| D, or d | D | M20 2 1922-25 M22 2 1923-28 M23 2 1924-28 1925-28 | M31-32 D 1933 d 1934-40 D | 1941-42 D 1943 d 1944-50 D | |

Air Ministry, Meteorological Office

Station No. 4321

RAINFALL at Voelas (New gauge)

County of Denbigh Observer _____

River Basin 3 - Conway

Type of Gauge _____

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

File No. _____

| | | | | | | | | | | | | |
|---------------|------|------|------|------|------|------|------|------|------|------------|-------|--|
| Diameter ... | | | | | | | | | | | 5" | |
| Height ... | | | | | | | | | | | 1' 3" | |
| Altitude ... | | | | | | | | | | | 700' | |
| Year ... | 1951 | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 | 1959 | 1960 | Means | |
| January ... | | | | | | | | | | | | |
| February ... | | | | | | | | | | | | |
| March ... | | | | | | | | | | | | |
| April ... | | | | | | | | | | | | |
| May ... | | | | | | | | | | | | |
| June ... | | | | | | | | | | | | |
| July ... | | | | | | | | | | | | |
| August ... | | | | | | | | | | | | |
| September ... | | | | | | | | | | | | |
| October ... | | | | | | | | | | | | |
| November ... | | | | | | | | | | 12.45 | | |
| December ... | | | | | | | | | | 7.09 | | |
| TOTALS ... | | | | | | | | | | inc. np | | |

1960 np inc.

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

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

Summary of Earlier Records from 10-year Sheets:

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