

RAINFALL at Llanelly (upper Lheid Res.).County of CarmarthenObserver J. Watkins, Esq. C.E.River Basin 3 - Loughor.Bon' Enq' (Llanelly)

11-14 { M.O. Rain Gauge, by \_\_\_\_\_  
Sand & gravel  
glass correct.

OLD GAUGE

| Diameter ...  | 5"    | 8     | 5     |       |       |       |       |       |       |       |                |
|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------------|
| Height .....  | 3' 0" | 3' 0" |       |       |       |       |       |       |       |       |                |
| Altitude ...  | 250   |       |       |       |       |       |       |       |       |       |                |
| Year .....    | 1920  | 1921  | 1922  | 1923  | 1924  | 1925  | 1926  | 1927  | 1928  | 1929  | 1930<br>MEANS. |
| January ...   | 8.98  | 8.19  | 6.09  | 4.62  | 6.64  | 4.25  | 8.57  | 6.79  | 12.94 | 4.06  | 9.97           |
| February ...  | 2.93  | 2.1   | 7.38  | 9.53  | 7.1   | 9.29  | 6.62  | 5.17  | 6.66  | 2.26  | .91            |
| March .....   | 8.03  | 5.34  | 4.70  | 3.20  | 3.20  | 1.39  | 1.18  | 5.59  | 4.92  | 2.26  | 3.59           |
| April .....   | 8.56  | 2.12  | 3.93  | 3.85  | 4.44  | 4.30  | 2.63  | 2.40  | 1.72  | 1.59  | 3.64           |
| May .....     | 5.52  | 3.44  | 2.10  | 3.64  | 4.83  | 7.18  | 3.31  | 2.56  | 1.27  | 5.15  | 3.37           |
| June .....    | 4.93  | 0.4   | 1.94  | 1.32  | 4.55  | .00   | 2.66  | 5.92  | 7.08  | 2.65  | 2.49           |
| July .....    | 9.15  | 3.86  | 7.44  | 3.87  | 6.10  | 3.03  | 4.77  | 5.19  | 4.64  | 4.75  | 5.70           |
| August .....  | 4.22  | 7.01  | 6.71  | 7.35  | 8.20  | 6.77  | 6.49  | 9.84  | 5.40  | 5.10  | 7.20           |
| September...  | 7.97  | 2.55  | 6.79  | 5.67  | 7.54  | 4.99  | 1.69  | 7.95  | 3.14  | .96   | 5.98           |
| October ..... | 7.39  | 2.98  | 2.04  | 8.65  | 7.93  | 6.88  | 4.04  | 4.48  | 10.69 | 7.89  | 8.58           |
| November...   | 5.85  | 4.56  | 2.86  | 6.62  | 4.23  | 4.71  | 10.58 | 7.71  | 9.35  | 14.54 | 5.90           |
| December...   | 6.29  | 5.18  | 6.45  | 7.07  | 9.94  | 4.42  | .76   | 4.62  | 6.71  | 11.63 | 9.08           |
| TOTALS...     | 77.82 | 45.28 | 59.16 | 65.39 | 68.31 | 57.21 | 53.30 | 68.22 | 74.52 | 62.84 | 66.41          |

Inspected 25.11.24. S. in sheltered position at rear of house. The trees

have grown & now over-shelter gauge.

Trees 6 yds away E subtend L of 54°.

hedge 8 " " W + 8 ft. high

trees 8 " " N + subtend L of 45°.

Recommended position just below dam, trees give good shelter & nothing

subtends angle of 30° or more.

1930. checked 9. N. S. Observer told record not required in future

Encl. 16A 698415/26

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 |
|-------|---------|--------|------------------|---------------------|----------------------|----------------|---------------------|----------------------|
| 1920  | 51° 41" | 4° 06' | Llanelly         | 2 3/4 mi            | N.N.E.               | Felinfoel      | 1 3/8 mi            | S.E.                 |

RAINFALL at Glanelly (Upper Glaidi Reservoir)County of Lanarkshire Observer G. Warkins, Esq., B.Sc.River Basin Loughor - 3Rain Gauge, by New Gauge

|           |      |      |      |      |      |      |      |      |      |       |       |  |
|-----------|------|------|------|------|------|------|------|------|------|-------|-------|--|
| Diameter  |      |      |      |      |      |      |      |      |      |       | 5     |  |
| Height    |      |      |      |      |      |      |      |      |      |       | 0 11  |  |
| Altitude  |      |      |      |      |      |      |      |      |      |       | 290   |  |
| Year      | 1920 | 1921 | 1922 | 1923 | 1924 | 1925 | 1926 | 1927 | 1928 | 1929  | 1930  |  |
| January   |      |      |      |      |      |      |      |      |      | 4.01  | 9.89  |  |
| February  |      |      |      |      |      |      |      |      |      | 2.20  | .91   |  |
| March     |      |      |      |      |      |      |      |      |      | 2.24  | 3.56  |  |
| April     |      |      |      |      |      |      |      |      |      | 1.59  | 3.61  |  |
| May       |      |      |      |      |      |      |      |      |      | 5.11  | 3.34  |  |
| June      |      |      |      |      |      |      |      |      |      | 2.65  | 2.50  |  |
| July      |      |      |      |      |      |      |      |      |      | 4.75  | 5.67  |  |
| August    |      |      |      |      |      |      |      |      |      | 5.06  | 7.16  |  |
| September |      |      |      |      |      |      |      |      |      | .96   | 5.94  |  |
| October   |      |      |      |      |      |      |      |      |      | 7.81  | 8.53  |  |
| November  |      |      |      |      |      |      |      |      |      | 14.43 | 5.85  |  |
| December  |      |      |      |      |      |      |      |      |      | 11.57 | 9.03  |  |
| TOTALS    |      |      |      |      |      |      |      |      |      | 62.38 | 65.99 |  |

1929. - See File 698415/26. (Encls. 12 A)

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 |
|-------|---------|-------|------------------|---------------------|-----------|----------------|---------------------|-----------|
| 1929. |         |       | Glanelly         | 3 m.                | N.N.E.    | Felinfach      | 1 3/8 m.            | S.E.      |

RAINFALL at Slanally (Upper Mide Reservoir) new gauge.County of LancasterObserver C. Watcys G.E. (Borough Surveyor)  
J. H. MontgomeryRiver Basin 3- Lougher &c.Type of Gauge Snowdon

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

698415/26

|           |       |       |       |       |       |       |       |       |       |       |       |  |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| Diameter  | 5.    |       |       |       |       |       |       |       |       |       |       |  |
| Height    | 0 11  |       |       |       |       |       |       |       |       |       |       |  |
| Altitude  | 290   |       |       |       |       |       |       |       |       |       |       |  |
| Year      | 1931  | 1932  | 1933  | 1934  | 1935  | 1936  | 1937  | 1938  | 1939  | 1940  | Means |  |
| January   | 5.92  | 8.07  | 3.93  | 6.48  | 1.57  | 7.01  | 7.54  | 8.10  | 8.99  | 6.24  | 6385  |  |
| February  | 6.49  | .02   | 5.65  | .64   | 6.01  | 2.81  | 8.82  | 2.68  | 4.66  | 6.26  | 4404  |  |
| March     | 1.34  | 2.74  | 3.34  | 3.63  | 1.10  | 3.97  | 2.98  | 1.42  | 2.20  | 4.53  | 2725  |  |
| April     | 3.78  | 3.75  | 2.28  | 3.79  | 6.00  | 3.76  | 3.85  | .10   | 3.80  | 3.16  | 3427  |  |
| May       | 4.88  | 5.02  | 2.19  | 3.08  | 2.57  | .87   | 2.43  | 5.11  | 1.89  | 1.52  | 2956  |  |
| June      | 6.13  | 2.27  | 2.59  | 3.36  | 5.61  | 4.15  | 2.02  | 4.11  | 3.48  | .81   | 3453  |  |
| July      | 8.57  | 5.17  | 2.95  | 1.47  | 1.27  | 8.45  | 3.96  | 6.13  | 10.66 | 4.50  | 5313  |  |
| August    | 4.15  | 1.89  | 2.87  | 4.82  | 2.74  | 2.42  | 2.23  | 4.90  | 6.09  | .56   | 3267  |  |
| September | 3.66  | 6.71  | 4.40  | 5.28  | 8.47  | 5.29  | 4.06  | 2.66  | 1.77  | 2.47  | 4477  |  |
| October   | 2.61  | 9.98  | 6.57  | 5.01  | 8.66  | 2.90  | 4.46  | 9.75  | 2.56  | 6.14  | 6064  |  |
| November  | 11.77 | 4.29  | 1.44  | 2.80  | 10.27 | 6.94  | 3.07  | 10.26 | 12.38 | 11.07 | 7399  |  |
| December  | 4.06  | 4.61  | 1.96  | 12.90 | 4.77  | 4.84  | 4.02  | 6.30  | 4.35  | 5.27  | 5308  |  |
| TOTALS    | 63.36 | 54.52 | 42.17 | 52.96 | 59.04 | 53.41 | 49.44 | 61.52 | 62.83 | 52.53 | 56178 |  |

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 |
|-------|---------|-------|------------------|---------------------|----------------------|----------------|---------------------|----------------------|
| 1931, |         |       | Slanally         | 3 m.                | N. N. E.             | Felinfod       | 1 $\frac{3}{8}$ m.  | E. E.                |



Station No. 4110

RAINFALL at Llanelli (Upper Mide Reservoir)

41

County of Carmarthen

Observer J. H. Montgomery Esq.

River Basin 3- houghor &amp; c.

Llanelli U.D.C. (1922)

Type of Gauge S. newdon

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

File No. 698415 26

| Diameter  | 5     |       |       |       | 499   | 301   |       |       |       |       |        |  |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--|
| Height    | 0     | 11    |       |       |       | 1     |       |       |       |       |        |  |
| Altitude  | 290   |       |       |       |       | 41    |       |       |       |       |        |  |
| Year      | 1941  | 1942  | 1943  | 1944  | 1945  | 1946  | 1947  | 1948  | 1949  | 1950  | Means  |  |
| January   | 4.06  | 7.16  | 7.94  | 6.10  | 4.24  | 6.23  | 4.29  | 10.17 | 2.46  | 1.78  | 54.43  |  |
| February  | 5.87  | 5.4   | 3.50  | 1.92  | 7.33  | 3.16  | 1.72  | 2.83  | 2.23  | 7.81  | 36.91  |  |
| March     | 3.28  | 4.22  | 2.02  | 1.80  | 3.32  | 1.91  | 10.96 | 2.63  | 2.80  | 2.49  | 34.41  |  |
| April     | 1.77  | 2.48  | 2.16  | 4.14  | 2.85  | 1.57  | 4.19  | 2.80  | 3.90  | 2.83  | 28.69  |  |
| May       | 3.09  | 5.84  | 4.79  | 2.17  | 3.80  | 3.86  | 3.46  | 2.89  | 3.57  | 1.94  | 35.41  |  |
| June      | 1.18  | 91    | 5.71  | 3.81  | 6.88  | 6.78  | 2.98  | 4.52  | 77    | 2.56  | 36.10  |  |
| July      | 4.05  | 5.54  | 3.86  | 3.63  | 5.61  | 3.15  | 5.90  | 3.53  | 1.08  | 4.91  | 44.26  |  |
| August    | 7.09  | 6.35  | 6.12  | 4.52  | 3.51  | 7.60  | .78   | 8.89  | 3.84  | 9.39  | 58.09  |  |
| September | 5.4   | 4.72  | 7.56  | 5.60  | 5.49  | 10.01 | 2.68  | 6.41  | 1.16  | 10.01 | 54.18  |  |
| October   | 5.85  | 6.25  | 7.07  | 7.41  | 5.47  | 3.70  | 1.82  | 6.41  | 9.19  | 4.32  | 56.49  |  |
| November  | 3.70  | 1.02  | 4.66  | 9.58  | 1.14  | 10.27 | 6.22  | 4.75  | 8.04  | 7.05  | 56.43  |  |
| December  | 5.33  | 7.44  | 3.09  | 5.31  | 8.43  | 6.01  | 5.89  | 7.81  | 4.75  | 4.02  | 58.08  |  |
| TOTALS    | 45.81 | 52.47 | 58.48 | 54.99 | 58.07 | 64.25 | 50.89 | 62.64 | 43.79 | 59.11 | 550.48 |  |

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. |
|-------|---------|-------|------------------|---------------------|----------------------|---------------------|----------------------|-----------------------|
| 1941  |         |       | Llanelli         | 3 mls               | NNE                  | Felinford, Llanelli | 1 1/2 mls            | SE.                   |

BRITISH RAINFALL ORGANIZATION

# Air Ministry, Meteorological Office

Station No. 4110

RAINFALL at Llanelli (Upper Lleidi Reservoir)

County of Carmarthen

Observer Llanelli U.D.C.

River Basin 3 - Loughors C

Type of Gauge London

Annual Average 52.33 in. based on 10 years obs. un-weighted. Period of average 1916-50 Ref. 5

File No. 698415/26

|               |       |       |       |       |       |       |       |       |       |       |       |  |
|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| Diameter ...  | 5"    |       |       |       | 499   | 301   |       |       |       |       |       |  |
| Height ...    | 11"   |       |       |       |       | 1     |       |       |       |       |       |  |
| Altitude ...  | 290'  |       |       |       |       | 51    |       |       |       |       |       |  |
| Year ...      | 1951  | 1952  | 1953  | 1954  | 1955  | 1956  | 1957  | 1958  | 1959  | 1960  | Means |  |
| January ...   | 7.71  | 6.66  | 2.30  | 3.73  | 3.46  | 6.61  | 5.28  | 4.91  | 5.26  | 6.21  | 5113  |  |
| February ...  | 3.77  | 0.74  | 3.45  | 6.01  | 2.71  | 0.46  | 4.26  | 5.66  | 0.74  | 5.09  | 3300  |  |
| March ...     | 6.58  | 5.61  | 3.64  | 4.26  | 4.15  | 1.56  | 6.76  | 1.53  | 4.44  | 2.97  | 4150  |  |
| April ...     | 3.49  | 3.72  | 5.66  | 1.33  | 4.57  | 1.45  | .55   | 1.22  | 4.37  | 1.79  | 2915  |  |
| May ...       | 2.80  | 4.65  | 3.82  | 3.25  | 3.87  | 1.65  | 2.21  | 4.10  | 1.39  | 2.56  | 3020  |  |
| June ...      | 1.50  | 4.19  | 2.28  | 5.88  | 7.00  | 3.23  | 2.21  | 5.03  | 4.26  | 2.58  | 3816  |  |
| July ...      | .91   | 2.12  | 7.28  | 6.06  | 1.10  | 4.26  | 5.69  | 5.87  | 2.93  | 7.49  | 4371  |  |
| August ...    | 6.73  | 6.76  | 4.97  | 5.85  | .90   | 7.33  | 3.41  | 5.50  | 1.89  | 8.96  | 5330  |  |
| September ... | 4.76  | 2.20  | 6.08  | 5.48  | 3.07  | 6.26  | 10.09 | 9.98  | .55   | 7.46  | 5593  |  |
| October ...   | 1.31  | 5.13  | 4.32  | 10.54 | 2.65  | 1.84  | 5.36  | 5.76  | 7.50  | 7.74  | 5215  |  |
| November ...  | 9.58  | 5.13  | 5.75  | 10.90 | 3.83  | 1.49  | 2.89  | 5.28  | 10.01 | 9.62  | 6448  |  |
| December ...  | 5.24  | 5.09  | 2.11  | 4.97  | 7.46  | 5.88  | 3.59  | 5.00  | 9.32  | 5.87  | 5403  |  |
| TOTALS ...    | 64.38 | 60.90 | 49.66 | 67.26 | 44.77 | 41.52 | 52.30 | 57.84 | 52.86 | 71.25 | 54674 |  |
|               | D     | D     | D     | D     | D     | D     | D     | D     | D     | D     |       |  |

057 Imp. Mr. O'Kane (4/53) O/E 12 ftch & strong wind in all directions. g should be raised on west side of Res.

Position of Station on Ordnance One-Inch map: No. of Map National Grid Reference SN(22)514043

| Date | Lat. N. | Long. | Railway Station | Distance Direction from gauge | Parish Church | Distance Direction from gauge |
|------|---------|-------|-----------------|-------------------------------|---------------|-------------------------------|
| 1931 |         |       | Llanelli        | 3m N.N.E.                     | Pilinfed      | 1 1/8 m S.E.                  |
| 1955 |         |       | "               | " S                           | "             | " S.S.E.                      |

Summary of Earlier Records from 10-year Sheets:

| Record D, or d | 1910-19 | 1920-30                                | 1931-40 | 1941-50 | 1951-60 |
|----------------|---------|--|---------|---------|---------|
|                |         | 1924-1930 only<br>New gauge<br>Built D | ✓       | ✓       | ✓       |