

# RAINFALL AT *Ebbw Vale W.W. Carno S*

Lat. ....

Lon. ....

County of *Brecon*

*Swindon* Rain Gauge, by .....

Observer *J. J. Thomas Esq C.E.*

*Ebbw Vale*

|              |      |      |      |      |                    |       |       |       |       |       |        |
|--------------|------|------|------|------|--------------------|-------|-------|-------|-------|-------|--------|
| Diameter ..  |      |      |      |      | 5                  |       |       |       |       |       |        |
| Height ....  |      |      |      |      | 10                 |       |       |       |       |       |        |
| Altitude ..  |      |      |      |      | 1236 <sup>ft</sup> |       |       |       |       |       |        |
| Year ....    | 1900 | 1901 | 1902 | 1903 | 1904               | 1905  | 1906  | 1907  | 1908  | 1909  | MEANS. |
| January ..   |      |      |      |      | 9.62               | 2.04  | 8.25  | 3.53  | 3.98  | 2.80  |        |
| February ..  |      |      |      |      | 8.97               | 2.09  | 4.23  | 2.82  | 2.99  | 1.06  |        |
| March ....   |      |      |      |      | 3.50               | 8.54  | 3.32  | 3.90  | 5.53  | 5.52  |        |
| April .....  |      |      |      |      | 3.86               | 6.66  | 1.48  | 6.37  | 3.18  | 4.84  |        |
| May .....    |      |      |      |      | 3.77               | 4.40  | 4.10  | 4.47  | 3.87  | 2.17  |        |
| June .....   |      |      |      |      | 1.81               | 6.70  | 2.79  | 6.07  | 1.22  | 4.24  |        |
| July .....   |      |      |      |      | 4.43               | 1.06  | 1.48  | 3.69  | 4.91  | 3.67  |        |
| August ....  |      |      |      |      | 3.76               | 6.34  | 3.31  | 4.99  | 7.39  | 2.24  |        |
| September .. |      |      |      |      | 3.17               | 3.74  | 1.76  | 1.32  | 3.76  | 3.76  |        |
| October .... |      |      |      |      | 2.39               | 3.61  | 8.92  | 9.41  | 3.46  | 12.33 |        |
| November ..  |      |      |      |      | 3.28               | 6.34  | 5.32  | 3.77  | 3.87  | 2.38  |        |
| December ..  |      |      |      |      | 5.05               | 2.30  | 3.40  | 8.90  | 5.42  | 11.61 |        |
| TOTALS ..    |      |      |      |      | 53.61              | 49.82 | 48.36 | 59.24 | 49.58 | 56.62 |        |

1906 St David's Beaufort Church  
Beaufort Station L & N W R

+ Inspected

# RAINFALL at Elbow Vale Carno S

10

4175

County of Orecon

Observer J. J. Thomas Esq C.E.

River Basin Elbow 6

Rain Gauge, by

|              |       |       |      |       |       |       |       |       |       |       |                             |
|--------------|-------|-------|------|-------|-------|-------|-------|-------|-------|-------|-----------------------------|
| Diameter ... | 5     |       |      |       |       |       |       |       |       |       |                             |
| Height ..... | 1.0   |       |      |       |       |       |       |       |       |       |                             |
| Altitude ... | 12367 |       |      |       |       |       |       |       |       |       |                             |
| Year ...     | 1910  | 1911  | 1912 | 1913  | 1914  | 1915  | 1916  | 1917  | 1918  | 1919  | 1916-19<br>Means-<br>Totals |
| January ...  | 6.81  | 1.53  |      | 9.13  | 4.07  | 6.81  | 7.17  | 3.11  | 6.24  | 10.32 | 26.84                       |
| February ... | 8.21  | imp # |      | 3.89  | 9.16  | 11.67 | 10.73 | 1.50  | 5.93  | 5.80  | 23.96                       |
| March .....  | 2.18  |       |      | 10.06 | 9.25  | 1.53  | 4.26  | 5.49  | 4.30  | 8.12  | 22.17                       |
| April .....  | 4.55  |       |      | 9.63  | 3.13  | 2.45  | 2.78  | 3.91  | 3.80  | 3.77  | 14.26                       |
| May .....    | 2.96  |       |      | 5.38  | 4.06  | 5.15  | 4.42  | 5.97  | 2.70  | .83   | 13.92                       |
| June .....   | 6.65  |       |      | 2.52  | 3.05  | 1.37  | 3.78  | 4.07  | 2.18  | 2.87  | 12.90                       |
| July .....   | 4.22  |       |      | 1.42  | 7.86  | 6.19  | 2.40  | 3.58  | 5.69  | 2.17  | 13.84                       |
| August ..... | 7.36  |       |      | 3.00  | 4.25  | 2.79  | 6.92  | 10.83 | 4.01  | 4.97  | 26.53                       |
| September .. | .77   |       |      | 4.20  | 3.70  | 1.83  | 3.26  | 4.38  | 14.67 | 2.90  | 25.21                       |
| October ...  | 5.43  |       |      | 7.62  | 4.89  | 6.88  | 13.69 | 9.36  | 5.52  | 3.50  | 31.87                       |
| November ..  | 6.79  |       |      | 8.98  | 9.66  | 4.16  | 7.55  | 3.62  | 5.94  | 4.85  | 21.96                       |
| December ... | 13.70 |       |      | 4.06  | 14.10 | 15.31 | 4.84  | 1.98  | 11.31 | 11.50 | 29.63                       |
| TOTALS ...   | 69.63 |       |      | 69.89 | 77.18 | 66.14 | 71.80 | 57.80 | 72.29 | 61.20 | 263.09                      |

Site submerged 21. ii. 11

? elsewhere 1913

fr.

+ Inspected

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

RAINFALL at Elbow Vale, W. W. (Barnes, L.)County of BaconObserver L. J. Thomas, Esq., C.E.  
P. J. DavisRiver Basin Elbow 6Donnerdon Rain Gauge, by 14.53

|               |       |       |       |       |       |       |       |       |       |       |                          |                   |  |
|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------------------------|-------------------|--|
| Diameter ...  | 5     |       |       |       |       |       |       |       |       |       |                          |                   |  |
| Height .....  | 1.0   |       |       |       |       |       |       |       |       |       |                          |                   |  |
| Altitude ...  | 1236  |       |       |       |       |       |       |       | 1262  |       |                          |                   |  |
| Year .....    | 1920  | 1921  | 1922  | 1923  | 1924  | 1925  | 1926  | 1927  | 1928  | 1929  | 1930<br><del>March</del> | Totals<br>1920-30 |  |
| January ...   | 10.84 | 9.11  | 7.29  | 5.78  | 8.16  | 7.89  | 8.25  | 7.49  | 10.14 | 2.54  | 11.99                    | 89.48             |  |
| February ...  | 5.87  | 5.2   | 7.91  | 13.97 | 6.0   | 12.16 | 4.96  | 4.97  | 6.46  | 1.45  | 2.62                     | 59.19             |  |
| March .....   | 7.55  | 7.33  | 7.28  | 2.84  | 1.99  | 1.34  | 1.73  | 6.21  | 7.15  | 0.84  | 5.07                     | 49.33             |  |
| April .....   | 11.69 | 7.3   | 4.18  | 4.79  | 6.01  | 4.64  | 4.21  | 1.69  | 1.90  | 1.05  | 6.49                     | 47.38             |  |
| May .....     | 4.27  | 2.51  | 8.4   | 5.09  | 5.59  | 6.70  | 3.43  | 2.08  | 1.00  | 5.51  | 2.35                     | 39.17             |  |
| June .....    | 5.06  | 4.0   | 2.03  | 1.03  | 2.09  | 0.2   | 2.54  | 5.32  | 4.29  | 3.82  | 0.97                     | 27.63             |  |
| July .....    | 7.37  | 5.53  | 6.67  | 2.14  | 10.12 | 2.70  | 2.84  | 5.79  | 1.92  | 3.74  | 5.48                     | 51.36             |  |
| August .....  | 3.94  | 6.75  | 4.77  | 5.32  | 4.66  | 4.49  | 5.62  | 8.97  | 5.92  | 3.80  | 6.95                     | 61.19             |  |
| September...  | 4.38  | 2.95  | 4.44  | 5.92  | 10.59 | 4.89  | 1.98  | 7.90  | 1.91  | 2.51  | 6.73                     | 54.20             |  |
| October ..... | 6.42  | 2.50  | 2.63  | 9.65  | 8.47  | 7.73  | 6.55  | 6.79  | 12.20 | 11.68 | 9.09                     | 83.71             |  |
| November...   | 3.59  | 4.46  | 3.65  | 4.59  | 4.68  | 2.96  | 10.78 | 5.37  | 11.00 | 18.12 | 7.21                     | 76.41             |  |
| December...   | 8.49  | 7.20  | 10.23 | 4.45  | 14.13 | 6.20  | 5.2   | 3.46  | 6.44  | 19.12 | 6.81                     | 87.05             |  |
| TOTALS...     | 77.47 | 46.53 | 61.92 | 65.57 | 77.15 | 61.72 | 53.41 | 66.04 | 70.33 | 74.18 | 71.76                    | 726.10            |  |

1921. Cornu Reservoir

- E

1924. Cartaker's House

200 yards to S.W.

1929. Reported 4th May by R. Crook Sheltered - new site selected  
See from file and file 644361/29Position of Station on reduced Ordnance Survey } No. of Map \_\_\_\_\_  
Map, 2 miles to 1 inch Series

Reference No. \_\_\_\_\_

| Date.        | Lat. N.         | Long. | Railway Station. | Distance from gauge | Direction from gauge | Parish Church.          | Distance from gauge | Direction from gauge |
|--------------|-----------------|-------|------------------|---------------------|----------------------|-------------------------|---------------------|----------------------|
| 1927<br>1928 | 51° 45' 33" 13' |       | Beaufort         | 1 1/2 mi            | S. SW                | St. David's<br>Beaufort | 1 1/2 mi            | S. SW                |



RAINFALL at Elbow Vale W.W. (Garnos S.)County of BreconObserver P. J. Davies, G.E.River Basin 6 - ElbowType of Gauge Snowdon

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

Ref.....

844 361/28

| Diameter .....  | 5.    |       |       |       |       |       |       |       |       |        |       |  |
|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|--|
| Height .....    | 1.0.  |       |       |       |       |       |       |       |       |        |       |  |
| Altitude .....  | 1262  |       |       |       |       |       |       |       |       |        |       |  |
| Year .....      | 1931  | 1932  | 1933  | 1934  | 1935  | 1936  | 1937  | 1938  | 1939  | 1940   | Means |  |
| January .....   | 4.82  | 14.67 | 7.47  | 10.73 | 2.44  | 10.61 | 12.59 | 10.00 | 10.78 | (2.26) | 8837  |  |
| February .....  | 6.59  | 1.07  | 5.85  | .78   | 8.66  | 4.00  | 10.08 | 2.29  | 4.63  | 5.25   | 4820  |  |
| March .....     | 1.98  | 4.36  | 6.56  | 6.25  | 1.88  | 6.55  | 6.05  | .58   | 3.96  | 4.45   | 4262  |  |
| April .....     | 4.33  | 6.82  | 1.87  | 5.20  | 8.84  | 5.01  | 4.91  | .50   | 3.62  | 5.27   | 4637  |  |
| May .....       | 4.88  | 8.23  | 2.75  | 8.25  | 1.51  | 2.09  | 2.38  | 5.02  | 0.95  | 2.91   | 3397  |  |
| June .....      | 7.39  | 2.46  | 5.48  | 1.73  | 7.93  | 5.91  | 3.05  | 2.45  | 2.84  | .82    | 4006  |  |
| July .....      | 5.27  | 4.21  | 4.37  | 2.12  | 1.17  | 11.09 | 4.72  | 5.52  | 12.11 | 4.66   | 5524  |  |
| August .....    | 6.52  | 2.39  | 1.25  | 5.38  | 2.36  | 1.80  | 1.95  | 4.29  | 3.80  | .62    | 3036  |  |
| September ..... | .74   | 6.59  | 3.34  | 4.51  | 10.17 | 4.90  | 2.47  | 2.11  | 1.20  | 3.91   | 3994  |  |
| October .....   | 1.42  | 11.16 | 8.54  | 6.12  | 8.85  | 4.87  | 5.42  | 9.16  | 5.66  | 11.05  | 7275  |  |
| November .....  | 16.61 | 4.54  | 1.68  | 3.03  | 10.91 | 8.12  | 3.62  | 7.44  | 14.54 | 14.23  | 8472  |  |
| December .....  | 4.66  | 6.49  | 0.74  | 17.23 | 7.87  | 12.27 | 4.57  | 7.79  | 4.74  | 3.56   | 6992  |  |
| TOTALS .....    | 65.21 | 719.9 | 49.90 | 66.33 | 72.59 | 77.22 | 62.31 | 57.15 | 68.83 | 60.99  | 65252 |  |

1934 Waterworks Caretakers House approx 1190' O.D. 120 yds S.

1940 January<sup>Feb.</sup> estimated for snow.

gr

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 |
|-------|---------|-------|------------------|---------------------|----------------------|----------------|---------------------|----------------------|
| 1934  |         |       | Braefort         | 3/4 m               | S.                   | Braefort       | 1 1/2 m             | S                    |

BRITISH RAINFALL ORGANIZATION, EXHIBITION ROAD, LONDON, S.W.7.

Station No. T.F. 4008/5RAINFALL at Ebbw Vale W.W. (Carno S.)

41

County of MonmouthObserver P. L. Davies Esq. C.E.River Basin Ebbw - 2J. M. Smith Esq. 1948Type of Gauge SnowdonJ. Grafton Haskins Esq. C.E. (1940)Annual Average        in. based on        years obs. un-weighted. Period of average        Ref.       File No. 844361/28

| Diameter  | 5"    |       |       |       | 4 1/2 | 8 1/2 |       |       | 5"    |       |                  |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------------|
| Height    | 1' 0" |       |       |       |       | 1     |       |       | 1' 0" |       |                  |
| Altitude  | 1262' |       |       |       |       | 41    |       |       | 1252' |       |                  |
| Year      | 1941  | 1942  | 1943  | 1944  | 1945  | 1946  | 1947  | 1948  | 1949  | 1950  | 1941-50<br>Means |
| January   | 4.75  | 5.93  | 12.80 | 8.42  | 6.46  | 9.41  | 6.39  | 13.69 | 9.49  | 1.89  | 72.23            |
| February  | 6.98  | 5.9   | 5.64  | 1.59  | 8.81  | 6.67  | 1.84  | 4.40  | 3.28  | 11.51 | 51.31            |
| March     | 5.00  | 4.99  | 1.63  | 4.1   | 3.00  | 2.43  | 11.86 | 3.99  | 1.68  | 3.72  | 38.71            |
| April     | 1.75  | 4.08  | 2.10  | 2.88  | 3.35  | 2.75  | 7.00  | 3.99  | 5.89  | 4.48  | 38.27            |
| May       | 3.74  | 9.21  | 6.72  | 2.52  | 4.61  | 5.00  | 3.35  | 4.63  | 4.46  | 2.80  | 47.04            |
| June      | 2.23  | 4.1   | 5.56  | 4.24  | 5.98  | 5.86  | 3.40  | 5.98  | 1.09  | 2.51  | 37.26            |
| July      | 4.63  | 3.75  | 4.11  | 4.19  | 4.93  | 2.86  | 3.41  | 1.78  | 1.13  | 6.37  | 37.16            |
| August    | 6.35  | 6.31  | 6.01  | 4.64  | 4.44  | 8.21  | .57   | 6.40  | 7.54  | 7.74  | 54.21            |
| September | 8.4   | 4.64  | 5.92  | 6.90  | 5.18  | 8.55  | 3.03  | 5.26  | 9.99  | 7.36  | 50.67            |
| October   | 6.97  | 5.98  | 5.19  | 10.03 | 8.32  | 1.52  | 1.68  | 5.73  | 11.17 | 2.82  | 59.41            |
| November  | 5.03  | 1.06  | 5.02  | 11.19 | .77   | 13.21 | 7.37  | 3.01  | 7.47  | 7.22  | 61.35            |
| December  | 5.68  | 10.37 | 3.35  | 5.39  | 10.05 | 6.40  | 6.40  | 13.06 | 7.35  | 3.62  | 71.67            |
| TOTALS    | 53.95 | 57.32 | 64.05 | 62.40 | 65.90 | 72.87 | 56.30 | 71.92 | 52.54 | 62.04 | 619.29           |

Previously Carno S. was incorrectly placed in Brecon 6.

1941 Jan. cold. Waterworks Carpenters' Houses 1190' O.D. 120 yds S.

40004

Position of Station on reduced Ordnance Survey Map,  
1 mile to 1 inch SeriesNo. 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  |         |       | Beaufort         | 3/4 m               | S.                   | Beaufort       | 7/8 m.               | S.                    |

BRITISH RAINFALL ORGANIZATION

Station No. T.E. 14175

RAINFALL at Ebbw Vale W.W. (Carno, S.)

41

County of Brecon Observer P. J. Davies Esq. C.E.

River Basin 6 - Ebbw I.M. Smith Esq.

Type of Gauge Stevenson

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

File No. 844.361/28

|           |             |      |      |      |      |      |      |      |      |      |       |
|-----------|-------------|------|------|------|------|------|------|------|------|------|-------|
| Diameter  | 5           |      |      |      |      |      |      |      |      |      |       |
| Height    | 1 0         |      |      |      |      |      |      |      |      |      |       |
| Altitude  | 1262        |      |      |      |      |      |      |      |      |      |       |
| Year      | 1941        | 1942 | 1943 | 1944 | 1945 | 1946 | 1947 | 1948 | 1949 | 1950 | Means |
| January   | 4.75        |      |      |      |      |      |      |      |      |      |       |
| February  | 6.98        |      |      |      |      |      |      |      |      |      |       |
| March     | 5.00        |      |      |      |      |      |      |      |      |      |       |
| April     | 1.75        |      |      |      |      |      |      |      |      |      |       |
| May       | 3.74        |      |      |      |      |      |      |      |      |      |       |
| June      | 2.23        |      |      |      |      |      |      |      |      |      |       |
| July      | 4.63        |      |      |      |      |      |      |      |      |      |       |
| August    | 6.35        |      |      |      |      |      |      |      |      |      |       |
| September | .84         |      |      |      |      |      |      |      |      |      |       |
| October   | 6.97        |      |      |      |      |      |      |      |      |      |       |
| November  | 5.03        |      |      |      |      |      |      |      |      |      |       |
| December  | 5.68        |      |      |      |      |      |      |      |      |      |       |
| TOTALS    | 53.95<br>d. |      |      |      |      |      |      |      |      |      |       |

Station transferred  
to Llanmoueth. Riv. Div. 2.  
Sta. No. 4008/5

1941. Jan. cold. Waterworks Caretakers Houses 1190' O.D. 120 yds. S.

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. |         |       | Beaufort         | 3/4 m.              | S.                   | Beaufort       | 7/8 m.               | S.                    |

BRITISH RAINFALL ORGANIZATION



Station No. H008/5 TF 54RAINFALL at EBBW VALE W.W. (CARNO S.)

51

County of MONMOUTHSHIREObserver J. GRAFTON HOSKINS, Esq., CE etcRiver Basin 2 - EBBWEBBW Vale V.D.C.Type of Gauge SNOWDENAnnual Average 61.2 in. based on 20 years obs. un-weighted. Period of average 1891 - 1915 Ref. I.W.S.  
64.60 " " 35 " " 1916 - 1950 1916 - 1950 PFile No. 844361/28

| Diameter ...  | 5"    |       |       |       | 486   | 856   |       |       |       |       |       |  |
|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| Height ...    | 1'0"  |       |       |       |       | 1     |       |       |       |       |       |  |
| Altitude ...  | 1262' |       |       |       |       | 51    |       |       |       |       |       |  |
| Year ...      | 1951  | 1952  | 1953  | 1954  | 1955  | 1956  | 1957  | 1958  | 1959  | 1960  | Means |  |
| January ...   | 7.43  | 6.34  | 1.74  | 3.50  | 6.01  | 8.31  | 8.90  | 6.20  | 9.21  | 8.35  |       |  |
| February ...  | 8.50  | .88   | 2.57  | 5.86  | 2.77  | .71   | 8.48  | 9.53  | .54   | 7.27  |       |  |
| March ...     | 6.41  | 3.89  | 4.40  | 5.47  | 3.84  | 2.69  | 6.67  | 2.11  | 7.24  | 4.00  |       |  |
| April ...     | 5.73  | 4.32  | 4.80  | 1.20  | 2.57  | 2.66  | .28   | 1.78  | 6.96  | 5.51  |       |  |
| May ...       | 4.27  | 5.48  | 3.73  | 3.92  | 1.51  | 1.84  | 3.19  | 5.65  | 2.37  | 2.77  |       |  |
| June ...      | 1.92  | 4.42  | 2.22  | 8.62  | 5.88  | 5.09  | 1.08  | 3.95  | 2.42  | 3.08  |       |  |
| July ...      | 1.77  | 2.61  | 7.25  | 4.32  | .67   | 5.58  | 5.57  | 5.09  | 4.59  | 4.88  |       |  |
| August ...    | 7.30  | 11.49 | 6.26  | 6.25  | 1.45  | 5.63  | 4.86  | 5.04  | 1.33  | 4.82  |       |  |
| September ... | 5.97  | 4.73  | 5.94  | 7.07  | 3.46  | 7.65  | 8.14  | 9.75  | .31   | 6.72  |       |  |
| October ...   | 1.64  | 7.29  | 4.58  | 11.00 | 4.14  | 2.70  | 5.62  | 7.01  | 6.25  | 11.06 |       |  |
| November ...  | 13.73 | 4.75  | 5.39  | 15.09 | 6.19  | 1.88  | 3.21  | 2.82  | 11.19 | 15.06 |       |  |
| December ...  | 7.09  | 5.39  | 2.46  | 6.24  | 9.85  | 9.11  | 7.26  | 5.65  | 18.25 | 8.68  |       |  |
| TOTALS ...    | 71.76 | 61.57 | 51.34 | 78.54 | 54.94 | 53.95 | 63.26 | 64.58 | 70.66 | 82.20 |       |  |

1941 Waterworks Caretaker's Houses 1190'00 120yds. S.

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference

56(32)164128

56(32)164128

| Date. | Lat. N. | Long. | Railway Station. | Distance Direction from gauge | Parish Church. | Distance Direction from gauge. |
|-------|---------|-------|------------------|-------------------------------|----------------|--------------------------------|
| 1911  |         |       | Beaufort         | 2.5 ml. S                     | Beaufort       | 7/8 ml S.                      |

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 |
|----------------|-----------------------------------|-----------------------|---------------------|----------------------|---------|
|                | 1910-1911<br>1912 N.R.<br>1913-19 | 1920-24-<br>1925-30 D | 1931-39 D<br>1940 d | 1941-d.<br>1942-50-D |         |