

RAINFALL AT Mostyn VicarageLat. \_\_\_\_\_ Lon. \_\_\_\_\_ County of FlintRain Gauge, by \_\_\_\_\_ Observer Rev. W. Vaughan Jones

Dec - 1

|              |      |      |      |      |      |      |      |      |       |       |        |
|--------------|------|------|------|------|------|------|------|------|-------|-------|--------|
| Diameter ... |      |      |      |      |      |      |      |      |       | 5     |        |
| Height ..... |      |      |      |      |      |      |      |      |       | 10    |        |
| Altitude ... |      |      |      |      |      |      |      |      |       | 100   |        |
| Year ...     | 1900 | 1901 | 1902 | 1903 | 1904 | 1905 | 1906 | 1907 | 1908  | 1909  | MEANS. |
| January ...  |      |      |      |      |      |      |      |      | 1.31  | 2.22  | 2.16   |
| February ... |      |      |      |      |      |      |      |      | 2.20  | 3.15  | 1.35   |
| March .....  |      |      |      |      |      |      |      |      | 2.34  | 3.41  | 2.12   |
| April .....  |      |      |      |      |      |      |      |      | 1.65  | 3.45  | 3.76   |
| May .....    |      |      |      |      |      |      |      |      | 2.78  | 3.02  | 1.09   |
| June .....   |      |      |      |      |      |      |      |      | 4.21  | 2.95  | 2.34   |
| July .....   |      |      |      |      |      |      |      |      | 3.62  | 3.33  | 4.50   |
| August ..... |      |      |      |      |      |      |      |      | 3.68  | 2.88  | 4.17   |
| September .. |      |      |      |      |      |      |      |      | .62   | 4.78  | 1.61   |
| October ...  |      |      |      |      |      |      |      |      | 6.19  | 1.94  | 4.25   |
| November ..  |      |      |      |      |      |      |      |      | 2.36  | 3.35  | 1.26   |
| December ... |      |      |      |      |      |      |      |      | 2.50  | 1.93  | 6.29   |
| TOTALS ...   |      |      |      |      |      |      |      |      | 33.46 | 36.41 | 34.90  |

1907-10 recd 15.11.12; endd. 24.11.12

25% too big. Diff. x.ii

RAINFALL at Mostyn VicarageCounty of FlintObserver Rev. W. Vaughan-JonesRiver Basin Dee 1

Rain Gauge, by \_\_\_\_\_

| Diameter ... | 5     |       |         |       |       |       |       |       |       |       |  |        |  |
|--------------|-------|-------|---------|-------|-------|-------|-------|-------|-------|-------|--|--------|--|
| Height ..... | 10    |       |         |       |       |       |       |       |       |       |  |        |  |
| Altitude ... | 100   |       |         |       |       |       |       |       |       |       |  |        |  |
| Year ...     | 1910  | 1911  | 1912    | 1913  | 1914  | 1915  | 1916  | 1917  | 1918  | 1919  |  | MEANS. |  |
| January ...  | 2.69  | .78   | (3.64)  | 2.99  | 1.61  | 4.51  | 1.65  | 2.19  | 1.62  | 3.05  |  |        |  |
| February ... | 2.42  | 2.81  | 1.19    | .92   | 1.91  | 3.55  | 3.96  | 1.41  | 2.99  | 1.31  |  |        |  |
| March .....  | .99   | 1.37  | 3.75    | 3.51  | 2.35  | 1.60  | 2.42  | 2.55  | 1.01  | 5.85  |  |        |  |
| April .....  | 3.39  | 1.07  | .79     | 2.92  | .53   | 2.06  | 2.66  | 1.90  | 1.57  | 1.84  |  |        |  |
| May .....    | 2.42  | .66   | 2.89    | 2.99  | 2.00  | 1.87  | 4.59  | 3.08  | 3.48  | .92   |  |        |  |
| June.....    | 4.61  | 3.55  | 3.88    | 2.57  | 2.63  | .83   | 1.73  | 2.25  | 2.65  | 1.93  |  |        |  |
| July .....   | 3.89  | .57   | 2.34    | 2.42  | 1.35  | 3.23  | 1.79  | 1.22  | 3.21  | 1.64  |  |        |  |
| August.....  | 3.48  | 3.02  | 7.27    | 2.86  | 1.43  | 5.67  | 2.29  | 6.67  | 2.89  | 5.07  |  |        |  |
| September .. | .53   | 4.55  | 1.69    | 2.53  | 4.86  | 1.33  | 3.73  | 1.30  | 6.95  | 2.58  |  |        |  |
| October ...  | 3.13  | 2.86  | 3.41    | 3.15  | 1.89  | 2.28  | 4.58  | 6.62  | 2.92  | 3.19  |  |        |  |
| November ..  | 5.78  | 2.63  | 3.14    | 2.99  | 3.68  | 3.80  | 2.60  | 2.65  | 2.20  | 3.30  |  |        |  |
| December ... | 4.04  | 4.46  | 2.70    | 2.84  | 6.35  | 5.92  | 2.20  | 1.52  | 6.41  | 5.82  |  |        |  |
| TOTALS ...   | 37.37 | 28.33 | (36.69) | 32.69 | 37.59 | 36.65 | 34.18 | 33.39 | 34.90 | 35.50 |  | 35.02  |  |

1907-10 recd. 15.VI.12; endd 24.VII.12

about 25% less than D.S.S. X.12

1918 House 20 yds N  
1919 > 12 >

| Date. | Lat. N.  | Long.    | Railway Station. | Distance. | Direction. | Church. | Distance. | Direction. |
|-------|----------|----------|------------------|-----------|------------|---------|-----------|------------|
| 1911  | 53°18'5" | 3°14'50" | Mostyn           | 1 1/4 mi  | N.W.       | Mostyn  | 1/2 mi    | N.W.       |

RAINFALL at Mortyn VillageCounty of FlintObserver Rev. W. Vaughan-Jones, died 1930.River Basin See - 1per W. H. Stephens.Hawarden Rain Gauge, by

| Diameter ... | 5     |       |       |       |       |       |       |      |       |       |                     |
|--------------|-------|-------|-------|-------|-------|-------|-------|------|-------|-------|---------------------|
| Height ..... | 1.0   |       |       |       |       |       |       |      |       |       |                     |
| Altitude ... | 100   |       |       |       |       |       |       |      |       |       |                     |
| Year .....   | 1920  | 1921  | 1922  | 1923  | 1924  | 1925  | 1926  | 1927 | 1928  | 1929  | <u>Mean</u><br>1930 |
| January      | 2.90  | 4.47  | 3.44  | 2.40  | 1.78  | 1.94  | 2.41  | 3.37 | 4.35  | 1.38  | 4.84                |
| February     | 3.15  | 2.27  | 3.31  | 4.25  | 2.92  | 5.89  | 2.39  | 1.17 | 2.45  | .57   | 1.41                |
| March        | 4.94  | 2.07  | 1.95  | 1.04  | .51   | .87   | .92   | 4.09 | 1.21  | .14   | 3.18                |
| April        | 4.72  | 1.30  | 1.82  | 1.85  | 2.15  | 1.72  | 1.44  | 1.46 | 1.06  | .89   | 2.84                |
| May          | 2.96  | 1.39  | 1.07  | 3.38  | 5.97  | 2.72  | 3.19  | 1.69 | 1.42  | 1.99  | 1.23                |
| June         | 3.09  | 1.2   | 2.02  | .60   | 2.26  | .05   | 1.04  | 4.05 | 4.28  | 1.76  | 1.80                |
| July         | 6.32  | 1.55  | 1.61  | 2.88  | 4.10  | 3.46  | 4.92  | 2.14 | 1.56  | 2.90  | 3.82                |
| August       | 2.82  | 4.29  | 3.09  | 2.39  | 4.30  | 3.28  | 3.39  | 6.55 | 3.09  | 3.00  | 3.57                |
| September    | 3.18  | 1.29  | 3.07  | 3.02  | 3.79  | 4.64  | 5.38  | 6.84 | 1.60  | 2.26  | 2.54                |
| October      | 1.69  | 2.65  | 2.8   | 5.56  | 3.48  | 4.19  | 3.22  | 2.56 | 3.63  | 4.16  | 4.62                |
| November     | .63   | 2.22  | 2.35  | 3.97  | 1.43  | 4.01  | 3.88  | 4.24 | 4.20  | 5.21  | 4.19                |
| December     | 1.99  | 3.34  | 4.90  | 4.44  | 3.47  | 2.82  | 1.16  | 1.11 | 2.04  | 5.17  | 4.05                |
| TOTALS.      | 38.33 | 24.96 | 30.91 | 35.78 | 34.16 | 34.69 | 32.34 | 39.2 | 30.89 | 29.42 | 37.09               |
|              | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0    | 0     | 0     | 0                   |

1920. House 12 ft. N.

House 20 ft. N.  
Garden wall 8 ft. high, 34 ft. W.

1920. Gauge read 9 a.m. in winter

10 a.m. in summer.

Observer died - per W. H. Stephens.

G moved to Mortyn (Plasterton Cottage) ? continuation for  
this record.Position of Station on reduced Ordnance Survey } No. of Map \_\_\_\_\_ Reference No. \_\_\_\_\_  
Map, 2 miles to 1 inch Series }

| Date. | Lat. N.  | Long. W. | Railway Station. | Distance from gauge | Direction from gauge | Parish Church. | Distance from gauge | Direction from gauge |
|-------|----------|----------|------------------|---------------------|----------------------|----------------|---------------------|----------------------|
| 1920  | 53°18' S | 3°14' E  | Mortyn           | 1/2 mi.             | N.W.                 | Mortyn         | 1/2 mile            | N.W.                 |

## RAINFALL at

Mordy (Sowerby)

County of Flint.

Observer FG Holgate Aft  
The Dene - Mordy Lane Colf.

River Basin 1 - Dee.

Type of Gauge Howard.

Annual Average in. based on years obs. un-weighted. Period of average  
c. 1914. Ref.

| Diameter  |      |      |      |       | 5     |       |       |       |       |       |       |
|-----------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| Height    |      |      |      |       | 3' 2" |       |       |       |       |       |       |
| Altitude  |      |      |      |       | 15'   |       |       |       |       |       |       |
| Year      | 1931 | 1932 | 1933 | 1934  | 1935  | 1936  | 1937  | 1938  | 1939  | 1940  | Means |
| January   |      |      |      | 1.91  | 1.80  | 5.03  | 2.27  | 3.65  | 4.79  | 2.26  |       |
| February  |      |      |      | 1.17  | 3.06  | 2.18  | 5.14  | 5.51  | 2.11  | 2.62  |       |
| March     |      |      |      | 1.88  | 1.85  | 2.29  | 2.19  | 1.05  | 1.78  | 2.64  |       |
| April     |      |      |      | 2.02  | 2.51  | 1.10  | 3.63  | 1.21  | 2.38  | 2.69  |       |
| May       |      |      |      | 2.25  | 1.68  | 1.67  | 2.12  | 1.99  | 1.34  | 2.96  |       |
| June      |      |      |      | 1.58  | 4.19  | 4.22  | 1.32  | 3.80  | 2.13  | 1.47  |       |
| July      |      |      |      | 2.29  | 1.30  | 3.12  | 2.20  | 3.52  | 6.41  | 4.81  |       |
| August    |      |      |      | 2.84  | 1.71  | 1.87  | 2.27  | 4.73  | 1.94  | .70   |       |
| September |      |      |      | 2.12  | 5.79  | 3.48  | 2.28  | 2.20  | 0.70  | 3.24  |       |
| October   |      |      |      | 4.34  | 4.56  | 1.61  | 2.55  | 3.80  | 2.26  | 3.72  |       |
| November  |      |      |      | 2.53  | 3.78  | 3.04  | 1.36  | 3.41  | 4.59  | 5.10  |       |
| December  |      |      |      | 3.35  | 2.97  | 3.43  | 2.54  | 3.61  | 2.79  | 2.26  |       |
| TOTALS    |      |      |      | 27.78 | 34.21 | 32.54 | 29.87 | 32.48 | 33.22 | 34.53 |       |
|           |      |      |      | D     | D     | D     | D     | D     | D     | D     |       |

Buildings 20' high 40' w.

1935. Ht. of rain of gauge lowered to 1" June 1935 (F 4194 89/35 Encl. 8A)  
1936 Buildings 20' high 13 yds. 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 | Direction |
|-------|---------|-------|------------------|---------------------|-----------|----------------|---------------------|-----------|
| 1934  |         |       | Mordy L.M.S.     | 300 ft              | W.        | Mordy          | 1 m                 | S         |

Station No. 428015

41

## RAINFALL at

Mostyn

County of Flint

Observer Dawson &amp; Mostyn Iron Co., Ltd.

River Basin 1 - Dee

Type of Gauge Howard

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

Ref.

c 1934

File No. A10429/25

|           |       |       |       |       |       |       |       |       |       |       |       |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Diameter  | 5     |       |       | 541   | 393   |       |       |       |       |       |       |
| Height    | 3 2   |       |       |       | 1     |       |       |       |       |       |       |
| Altitude  | 15    |       |       |       | 41    |       |       |       |       |       |       |
| Year      | 1941  | 1942  | 1943  | 1944  | 1945  | 1946  | 1947  | 1948  | 1949  | 1950  | Means |
| January   | 2.91  | 3.30  | 3.70  | 3.30  | 1.81  | 3.04  | 2.88  | 6.27  | 3.09  | 0.89  |       |
| February  | 2.20  | 1.36  | 2.40  | 0.93  | 2.23  | 4.46  | 0.72  | 1.75  | 1.08  | 0.57  |       |
| March     | 2.71  | 2.14  | 0.78  | 0.80  | 0.61  | 0.96  | 3.78  | 0.53  | 2.15  | 0.91  |       |
| April     | 1.80  | 1.34  | 1.06  | 1.23  | 1.60  | 0.77  | 2.41  | 2.06  | 2.05  | 2.72  |       |
| May       | 1.73  | 3.19  | 2.05  | 1.46  | 4.12  | 1.99  | 3.11  | 1.38  | 2.23  | 0.81  |       |
| June      | 0.29  | 0.40  | 1.66  | 1.10  | 1.95  | 3.90  | 2.87  | 3.09  | 0.53  | 1.76  |       |
| July      | 2.11  | 2.88  | 1.02  | 2.20  | 2.19  | 3.14  | 4.10  | 2.75  | 2.27  | 1.77  |       |
| August    | 2.92  | 2.33  | 2.63  | 2.05  | 0.89  | 3.57  | 0.38  | 2.97  | 2.31  | 4.80  |       |
| September | 0.52  | 2.27  | 4.26  | 4.50  | 1.01  | 3.00  | 2.78  | 2.15  | 0.81  | 3.72  |       |
| October   | 3.11  | 3.48  | 3.67  | 4.47  | 4.63  | 0.82  | 0.97  | 2.07  | 3.89  | 2.72  |       |
| November  | 2.32  | 1.12  | 2.99  | 5.66  | 0.23  | 3.91  | 4.09  | 1.73  | 3.94  | 3.72  |       |
| December  | 1.04  | 3.14  | 1.55  | 2.22  | 2.57  | 3.75  | 3.17  | 3.59  | 5.61  | 3.20  |       |
| TOTALS    | 23.72 | 27.55 | 27.77 | 29.92 | 23.84 | 32.41 | 31.26 | 30.34 | 30.16 | 32.89 |       |

1941. Buildings 20' high 20 yds W.

1950 no daily values.

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

Reference No.....

| Date. | Lat. N. | Long. | Railway Station. | Distance from gauge | Direction | Parish Church. | Distance from gauge |
|-------|---------|-------|------------------|---------------------|-----------|----------------|---------------------|
| 1941  |         |       | Mostyn L.M.S.    | 300 ft              | W         | Mostyn         | 1 m. S.             |

BRITISH RAINFALL ORGANIZATION

Station No. 428015

51

RAINFALL at HawthornCounty of FlintshireObserver Davies & Hawthorn Grn Co Ltd.River Basin 1 - DeeType of Gauge Hannaway

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

Ref.

~~" 3175 22 Little 1937-57~~ 1946-50Ave. h.v. 32.722 ~~westheat 12/64~~ over 8 year (1954-61 on new site)File No. 419489

| Diameter  | 5"    | 5"           | 5"       | 541          | 393   |       |       |       |       |       |       |
|-----------|-------|--------------|----------|--------------|-------|-------|-------|-------|-------|-------|-------|
| Height    | 3' 2" | * 1' 6"      | 1' 0"    |              |       | 1     | -     |       |       |       |       |
| Altitude  | 15'   | * 20'        | 4'       |              |       | 51    | -     |       |       |       |       |
| Year      | 1951  | 1952         | 1953     | 1954         | 1955  | 1956  | 1957  | 1958  | 1959  | 1960  | Means |
| January   | 3.43  | 1.15         | 1.85     | 1.73         | 2.97  | 1.63  | 3.95  | 4.16  | 5.01  |       |       |
| February  | 1.45  | 1.83         | 2.69     | 2.24         | 0.83  | 1.96  | 5.45  | 0.22  | 2.32  |       |       |
| March     | 1.28  | 1.30         | 2.11     | 2.93         | 1.81  | 1.45  | 1.73  | 1.03  | 1.58  |       |       |
| April     | 1.47  | 2.51         | 1.03     | 1.58         | 1.56  | 0.39  | 0.28  | 3.42  | 1.52  |       |       |
| May       | 2.21  | 3.27         | 2.70     | 2.70         | 1.02  | 1.88  | 2.43  | 1.74  | 2.22  |       |       |
| June      | 1.76  | 2.00         | 4.05     | 3.41         | 2.20  | 1.26  | 4.12  | 2.76  | 0.65  |       |       |
| July      | 1.34  | 1.95         | 3.83     | 0.49         | 5.32  | 5.21  | 3.36  | 2.60  | 2.32  |       |       |
| August    | 1.56  | 2.71         | 3.56     | 1.03         | 9.73  | 4.55  | 3.46  | 1.07  | 3.20  |       |       |
| September | 3.87  | 3.39         | 2.31     | 2.08         | 1.84  | 6.67  | 4.53  | 0.38  | 3.64  |       |       |
| October   | 4.00  | 1.68         | 5.46     | 2.21         | 2.21  | 2.14  | 2.67  | 4.17  | 8.89  |       |       |
| November  | 2.29  | 3.29         | 6.19     | 1.02         | 1.36  | 1.01  | 2.03  | 3.61  | 4.93  |       |       |
| December  | 3.83  | 0.88         | 3.20     | 3.15         | 2.36  | 2.73  | 2.37  | 6.26  | 2.77  |       |       |
| TOTALS    | NR.   | 28.49        | 25.96    | 38.98        | 24.57 | 33.21 | 31.38 | 36.38 | 31.63 | 39.05 |       |
|           |       | D            | d        | d            | d     | d     | d     | d     | d     | d     |       |
|           | 1941  | 15 buildings | 20' high | 20 yds. N.W. |       |       |       |       |       |       |       |

9

1953. Gauge moved 50 yds. N.W. in September. Buildings 20 ft., 33 ft. N.E., and 20 ft., 39 ft. S.W.

\* Gauge on gantry 10 ft. high + 15 ft. platform. Buildings referred to are only 20 ft. above ground, i.e. 10 ft. above sea-level, the gauge 20 ft.

+ 1954. August - Gauge moved to new site 560 yards to S.S.E. gasometer 50', 50' N.W.

1957 set in mesg for 20 Sep - 4 Oct.

Hawthorn Lake Mesg

Position of Station on Ordnance One-Inch map : No. of Map ..... National Grid Reference 331159808

| Date. | Lat. N. | Long. | Railway Station. | Distance from gauge | Direction from gauge | Parish Church. | Distance from gauge | Direction from gauge |
|-------|---------|-------|------------------|---------------------|----------------------|----------------|---------------------|----------------------|
| 1941  |         |       | Hawthorn L51.3   | 300 yds             | 0°                   | Hawthorn       | 1 mile              | 5°                   |
| 1953  |         |       | "                | 4"                  | 4°                   | "              | 1700 yds            | 5°                   |
| 1954  |         |       | "                | 750 yds             | N.W.                 | "              |                     |                      |

Summary of Earlier Records from 10-year Sheets :

| Record<br>D, or d | 1910-19 | 1920-30 | 1931-40 BPV         | 1941-50 BR        | 1951-60 |
|-------------------|---------|---------|---------------------|-------------------|---------|
|                   |         |         | C 1934<br>1934-40 D | 1941-49 D<br>1950 |         |