

RAINFALL at Clay Cross Press ReservoirCounty of DerbyshireObserver G. Frith Esq. C.E.River Basin Trent - Derwent 6

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

| Diameter ... |      |      | 8     |       |       |       |       |       |       |       |        |                |
|--------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|--------|----------------|
| Height ..... |      |      | 10    |       |       |       |       |       |       |       |        |                |
| Altitude ... |      |      | 810   |       |       |       |       |       |       |       |        |                |
| Year ...     | 1910 | 1911 | 1912  | 1913  | 1914  | 1915  | 1916  | 1917  | 1918  | 1919  | MEANS. | TOTALS.        |
| January ...  |      |      | 4.89  | 4.13  | 1.60  | 3.53  | 1.51  | 2.08  | 2.36  | 3.96  |        | 16.19<br>9.91  |
| February ... |      |      | 1.78  | 1.58  | 2.72  | 3.43  | 4.67  | .64   | 2.46  | 1.96  |        | 9.73           |
| March .....  |      |      | 4.67  | 4.92  | 3.16  | .77   | 4.10  | 2.00  | 1.55  | 4.54  |        | 12.19          |
| April .....  |      |      | .53   | 3.55  | 1.42  | 1.06  | 1.36  | 1.42  | 1.53  | 1.25  |        | 6.16           |
| May .....    |      |      | 3.26  | 2.22  | 1.67  | 1.36  | 2.49  | 1.68  | 3.22  | 1.40  |        | 8.79           |
| June .....   |      |      | 3.80  | .75   | 2.20  | 1.70  | 2.27  | 1.91  | .93   | .97   |        | 6.08           |
| July .....   |      |      | 5.59  | 1.59  | 4.40  | 4.35  | 1.79  | 1.33  | 3.07  | 3.82  |        | 10.01          |
| August ..... |      |      | 6.22  | 1.59  | 1.90  | 2.13  | 2.07  | 5.83  | 2.74  | 3.58  |        | 14.22          |
| September .. |      |      | 1.57  | 2.13  | 1.52  | .67   | 1.02  | 1.09  | 6.64  | 2.33  |        | 11.08          |
| October ...  |      |      | 3.60  | 3.79  | 2.92  | 1.83  | 3.20  | 4.08  | 1.09  | 2.68  |        | 11.05          |
| November ..  |      |      | 2.17  | 2.97  | 4.63  | 2.62  | 4.54  | 1.85  | 2.71  | 2.43  |        | 11.53          |
| December...  |      |      | 2.85  | 1.21  | 6.14  | 7.19  | 2.87  | 1.46  | 5.07  | 5.74  |        | 15.14          |
| TOTALS ...   |      |      | 40.83 | 30.43 | 34.28 | 30.64 | 31.89 | 25.37 | 33.37 | 35.26 | 262.07 | 125.89<br>9.86 |

1912

| Date. | Lat. N.       | Long.        | Railway Station. | Distance. | Direction. | Church. | Distance. | Direction. |
|-------|---------------|--------------|------------------|-----------|------------|---------|-----------|------------|
|       | 53° 11' 16" N | 1° 28' 36" W | Clay Cross       | 2 m       | SE         |         |           |            |

RAINFALL at *Clay Cross Press Reservoir*County of *Derbyshire*Observer *G. Smith Esq. C.E.*  
FRITHRiver Basin *Trent-Donwood 6*Water Eng't *Chenleyfield R.D.C.*(1925) *Standard* Rain Gauge, by \_\_\_\_\_

| Diameter ...  | 5     |       |       |       |       |       |       |       |       |       |                |                 |
|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------------|-----------------|
| Height .....  | 1.0   |       |       |       |       |       |       |       |       |       |                |                 |
| Altitude ...  | 810   |       |       |       |       |       |       |       |       |       |                |                 |
| Year .....    | 1920  | 1921  | 1922  | 1923  | 1924  | 1925  | 1926  | 1927  | 1928  | 1929  | 1930<br>MEANS. |                 |
| January ...   | 3.65  | 4.02  | 4.45  | 2.03  | 2.66  | 3.61  | 4.60  | 1.68  | 7.39  | 1.18  | 4.41           | Totals<br>39.68 |
| February ...  | 2.29  | .27   | 4.03  | 6.64  | .52   | 3.77  | 2.19  | 2.34  | 2.78  | .90   | .55            | 27.28           |
| March .....   | 2.18  | 1.96  | 2.31  | 2.26  | 1.46  | .56   | .59   | 4.22  | 3.50  | .27   | 2.55           | 21.86           |
| April .....   | 7.03  | 1.49  | 3.32  | 2.71  | 2.46  | 2.84  | 2.44  | 2.51  | 1.42  | 1.25  | 3.21           | 30.68           |
| May .....     | 3.95  | 2.08  | .75   | 3.18  | 3.99  | 4.82  | 2.99  | 1.25  | .84   | 2.49  | 1.59           | 27.93           |
| June .....    | 2.80  | .33   | 1.22  | .84   | 2.83  | .09   | 2.20  | 4.30  | 3.84  | 1.08  | 1.81           | 21.34           |
| July .....    | 4.41  | .53   | 4.67  | 5.01  | 5.08  | 1.30  | 3.27  | 2.55  | .90   | 2.10  | 5.82           | 35.64           |
| August .....  | 1.01  | 4.17  | 8.35  | 3.46  | 3.81  | 2.96  | 1.81  | 4.82  | 3.09  | 1.74  | 2.85           | 38.07           |
| September...  | 1.92  | .96   | 2.98  | 3.59  | 3.18  | 2.98  | 1.24  | 5.13  | .50   | 1.48  | 5.51           | 29.47           |
| October ..... | 2.22  | 5.36  | .73   | 2.69  | 5.17  | 3.58  | 3.08  | 3.09  | 6.33  | 3.70  | 3.48           | 39.43           |
| November...   | 1.55  | 1.77  | 2.11  | 3.69  | 2.47  | 1.99  | 5.31  | 2.64  | 6.28  | 6.30  | 3.47           | 37.58           |
| December...   | 3.59  | 3.51  | 4.64  | 4.13  | 4.66  | 2.28  | .35   | 2.14  | 1.19  | 5.82  | 3.45           | 35.76           |
| TOTALS...     | 36.60 | 26.45 | 39.56 | 40.23 | 38.29 | 30.78 | 30.07 | 36.67 | 39.06 | 28.31 | 33.70          | 384.72          |

444

Position of Station on reduced Ordnance Survey  
Map, 2 miles to 1 inch Series

No. of Map

Reference No.

| Date. | Lat. N.     | Long. W.   | Railway Station. | Distance from gauge | Direction from gauge | Parish Church. | Distance from gauge | Direction from gauge |
|-------|-------------|------------|------------------|---------------------|----------------------|----------------|---------------------|----------------------|
| 1920  | 53° 11' 20" | 1° 28' 20" | Clay Cross       | 3 mi                | E                    | Asker          | 2 mi                | S.                   |



RAINFALL at Clay Cross (Press Reservoir)County of DerbyshireObserver Gilbert Frith Esq. E.E.River Basin Trent Derwent 6Type of Gauge N.O.Annual Average 31.7 in. based on 7 years obs. ~~un-weighted~~. Period of average 1881-1915 Ref 5

703122/26

| Diameter  | 8     |       |       |       |       |       |       |       |      |       |        |        |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|--------|--------|
| Height    | 10    |       |       |       |       |       |       |       |      |       |        |        |
| Altitude  | 810   |       |       |       |       |       |       |       |      |       |        |        |
| Year      | 1931  | 1932  | 1933  | 1934  | 1935  | 1936  | 1937  | 1938  | 1939 | 1940  | Means  | Totals |
| January   | 2.18  | 2.16  | 2.24  | 2.29  | .93   | 3.76  | 6.05  | 3.53  | 6.58 | 3.02  |        | 32.74  |
| February  | 2.56  | .43   | 3.70  | .48   | 2.77  | 2.51  | 3.90  | .85   | 1.80 | 3.86  |        | 22.86  |
| March     | 1.9   | 1.55  | 2.82  | 2.85  | .84   | 2.84  | 3.30  | .22   | 2.13 | 2.12  |        | 18.86  |
| April     | 4.86  | 3.43  | 1.10  | 2.51  | 2.85  | 2.02  | 2.35  | .13   | 1.88 | 2.06  |        | 23.19  |
| May       | 4.31  | 7.16  | 2.24  | 1.20  | .37   | 7.59  | 3.84  | 2.57  | 1.97 | 1.51  |        | 25.74  |
| June      | 4.06  | 1.15  | 1.73  | .86   | 4.00  | 3.60  | 1.61  | 2.13  | 2.48 | .88   |        | 22.50  |
| July      | 3.91  | 4.14  | 1.70  | 1.36  | .71   | 4.24  | 3.07  | 3.86  | 4.73 | 3.25  |        | 30.97  |
| August    | 7.33  | 3.02  | .51   | 1.65  | 2.06  | 1.25  | .80   | 1.24  | 2.18 | .21   |        | 20.25  |
| September | 5.47  | 1.84  | 1.23  | 2.10  | 3.84  | 3.18  | 1.62  | 2.89  | 1.94 | 1.44  |        | 25.52  |
| October   | .90   | 3.72  | 4.50  | 3.01  | 4.78  | 3.01  | 3.33  | 3.57  | 4.48 | 4.67  |        | 35.97  |
| November  | 5.80  | 2.10  | 1.82  | 2.02  | 6.61  | 3.41  | 2.50  | 3.93  | 4.48 | 6.66  |        | 37.27  |
| December  | 1.09  | 1.29  | .54   | 5.96  | 3.82  | 2.21  | 4.14  | 4.53  | 2.02 | 2.66  |        | 28.24  |
| TOTALS    | 42.66 | 31.99 | 24.13 | 26.29 | 33.58 | 32.57 | 36.51 | 29.45 | 36.7 | 32.26 | 326.11 | 326.11 |
|           | D.    | D.    | D.    | D.    | D.    | D.    | D.    | D.    | D.   | D.    |        |        |

1931 Gauge in open field.  
1940 Jan p'tent.

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. |         |       | Clay Cross       | 2 1/2 m             | E.                   | Ashover       | 1 3/4 m             | S.W.                 |
|       |         |       | Ashfield         | 4 1/2 m             | S.W.                 | Barton        | 2 m                 | W.                   |

Station No. 2473RAINFALL at Clay Cross (Pena Reservoir)

41

County of DerbyshireObserver Gilbert L. L. Esq. C.E.River Basin Leat - Deunt - 6D. S. Atchell Esq.Type of Gauge M. D.P. HOTHERSALL Esq. M.B.E. (for 1957)Annual Average 31.7 in. based on 17 years obs. unweighted. Period of average 1881-1915 Ref SFile No. 703.122/26

| Diameter  | 8"         |            |            | 109        | 149        |            |            |            |            |            |       |                 |
|-----------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------|-----------------|
| Height    | 1' 0"      |            |            |            | 1          |            |            |            |            |            |       |                 |
| Altitude  | 810'       |            |            |            | 41         |            |            |            |            |            |       |                 |
| Year      | 1941       | 1942       | 1943       | 1944       | 1945       | 1946       | 1947       | 1948       | 1949       | 1950       | Means |                 |
| January   | 2.13       | 3.00       | 6.01       | 3.24       | 1.44       | 2.63       | 3.10       | 6.72       | 2.20       | .93        |       | Totals<br>30.40 |
| February  | 4.05       | 1.70       | 1.26       | 1.55       | 2.46       | 2.89       | (1.50)     | 1.49       | 1.15       | 6.55       |       | 24.60           |
| March     | 4.15       | 2.06       | .91        | .22        | 62         | 1.24       | 6.17       | 1.01       | 1.26       | 1.19       |       | 18.83           |
| April     | 1.82       | 1.13       | 1.18       | 2.49       | 1.61       | 1.39       | 2.75       | 1.72       | 2.76       | 2.63       |       | 19.48           |
| May       | 2.96       | 4.43       | 3.20       | 2.91       | 2.11       | 1.89       | 2.32       | 2.38       | 1.99       | 1.91       |       | 26.10           |
| June      | .28        | 1.48       | 1.49       | 2.15       | 3.46       | 5.19       | 1.68       | 3.94       | 1.10       | .99        |       | 21.76           |
| July      | 4.25       | 1.74       | 1.24       | 3.35       | 2.16       | 2.01       | 2.04       | 1.33       | 4.09       | 2.23       |       | 24.44           |
| August    | 3.38       | 3.03       | 2.59       | 3.19       | 3.45       | 5.83       | .67        | 5.76       | 1.72       | 3.72       |       | 33.34           |
| September | .27        | 2.21       | 2.81       | 4.49       | .86        | 4.71       | 2.00       | 2.04       | 1.29       | 3.36       |       | 24.04           |
| October   | 2.88       | 2.01       | 2.30       | 3.89       | 4.91       | 1.86       | .61        | 1.70       | 4.26       | 1.22       |       | 25.64           |
| November  | 4.08       | 1.58       | 2.79       | 5.51       | .69        | 7.10       | 2.66       | 1.69       | 4.70       | 4.80       |       | 35.60           |
| December  | .88        | 2.60       | 1.22       | 2.64       | 2.21       | 3.68       | 2.21       | 4.77       | 3.22       | 1.33       |       | 24.76           |
| TOTALS    | 31.13<br>D | 25.97<br>D | 27.00<br>D | 35.63<br>D | 25.98<br>D | 40.42<br>D | 27.71<br>D | 34.55<br>D | 29.74<br>D | 30.86<br>D |       | 308.94<br>1945  |

1947 Feb. est. for snow.

1950 Gauge situated near Reservoir Bank.

20004

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. |
|-------|---------|-------|------------------|---------------------|----------------------|----------------|----------------------|-----------------------|
| 1946  |         |       | Clay Cross       | 3m                  | E                    | Stokeover      | 134 m                | S                     |

BRITISH RAINFALL ORGANIZATION

Station No. 2673RAINFALL at CAY CROSS (PRESS RESERVOIR)

51

County of DERBYObserver P. HOTHERSALL, Esq., M.B.E.River Basin TAUNT-DEKMENT-6Type of Gauge M.O.Annual Average 31.7 in. based on 17 years obs. un-weighted. Period of average 1881 - 1915 Ref. S32.73 " " 35 " " 1916-19501916-1959 703122/26 P

File No.

| Diameter ...  | 8"    |       |       | 109   | 149   |       |       |       |       |       |        |       |
|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| Height ...    | 1' 0" |       |       |       | 1     |       |       |       |       |       |        |       |
| Altitude ...  | 810'  |       |       |       | 51    |       |       |       |       |       |        |       |
| Year ...      | 1951  | 1952  | 1953  | 1954  | 1955  | 1956  | 1957  | 1958  | 1959  | 1960  | Means  | Total |
| January ...   | 2.97  | 2.18  | .68   | 2.07  | 1.77  | 3.94  | 2.40  | 3.64  | 3.30  | 4.43  | 27.38  |       |
| February ...  | 3.97  | .50   | 1.47  | 2.41  | 2.00  | 1.58  | 2.99  | 5.19  | .05   | 2.75  | 22.91  |       |
| March ...     | 4.18  | 1.92  | 1.75  | 2.44  | 2.95  | 1.03  | 2.76  | 2.49  | 1.70  | 1.84  | 23.06  |       |
| April ...     | 1.51  | 2.06  | 2.88  | .50   | .77   | 2.18  | .09   | .94   | 3.83  | 1.54  | 16.30  |       |
| May ...       | 4.24  | 3.35  | 1.99  | 3.42  | 2.40  | .65   | 1.19  | 2.77  | .85   | 1.60  | 22.46  |       |
| June ...      | 1.21  | 2.70  | 2.41  | 3.19  | 3.41  | 3.11  | 1.67  | 5.41  | .99   | 1.24  | 25.34  |       |
| July ...      | .77   | 1.57  | 2.78  | 2.24  | .99   | 4.22  | 3.46  | 4.99  | 1.69  | 3.23  | 25.94  |       |
| August ...    | 4.29  | 1.62  | 1.96  | 4.54  | .28   | 6.00  | 3.89  | 1.99  | 1.06  | 4.66  | 30.29  |       |
| September ... | 2.48  | 2.10  | 1.91  | 3.16  | .87   | 3.80  | 6.70  | 2.95  | .08   | 4.68  | 28.73  |       |
| October ...   | 1.01  | 4.07  | 2.57  | 3.41  | 2.59  | 1.85  | 2.06  | 2.97  | 2.47  | 6.75  | 29.75  |       |
| November ...  | 8.33  | 1.82  | 1.62  | 6.73  | 3.04  | .64   | 2.51  | .87   | 4.20  | 5.28  | 34.04  |       |
| December ...  | 2.83  | 2.25  | 1.30  | 3.03  | 3.19  | 3.95  | 3.05  | 4.15  | 5.07  | 3.88  | 32.70  |       |
| TOTALS ...    | 37.79 | 26.14 | 23.32 | 36.14 | 24.26 | 32.95 | 32.77 | 38.36 | 25.29 | 41.88 | 318.90 |       |

1954. Gauge situated in field near reservoir.

filed

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference 8K 63/251.657

| Date. | Lat. N. | Long. | Railway Station. | Distance from gauge | Direction | Parish Church. | Distance from gauge. |
|-------|---------|-------|------------------|---------------------|-----------|----------------|----------------------|
| 1951  |         |       | Blay Cross       | 3 m.                | E         | achover        | 1 1/4 m.             |

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 |
|----------------|-----------------|--------------------|---------|-----------------|---------|
|                | c1912<br>D13-19 | ✓<br>✓ but d 26-28 | ✓<br>✓  | ✓<br>✓ but d 45 |         |