

Belmont

40

Bolton le Moors \*

Henry Baylis

+ ground 0.0      1ft above      850  
+ Sea 800 feet

| YEAR - -        | 1840    | 1841    | 1842    | 1843  | 1844  | 1845  | 1846  | 1847  | 1848  | 1849  | MEANS.  |
|-----------------|---------|---------|---------|-------|-------|-------|-------|-------|-------|-------|---------|
| January - -     |         |         |         |       |       |       |       |       |       |       |         |
| February - -    |         |         |         |       |       |       |       |       |       |       |         |
| March - - -     |         |         |         |       |       |       |       |       |       |       |         |
| April - - - -   |         |         |         |       |       |       |       |       |       |       |         |
| May - - - - -   |         |         |         |       |       |       |       |       |       |       |         |
| June - - - - -  |         |         |         |       |       |       |       |       |       |       |         |
| July - - - - -  |         |         |         |       |       |       |       |       |       |       |         |
| August - - - -  |         |         |         |       |       |       |       |       |       |       |         |
| September - - - |         |         |         |       |       |       |       |       |       |       |         |
| October - - - - |         |         |         |       |       |       |       |       |       |       |         |
| November - - -  |         |         |         |       |       |       |       |       |       |       |         |
| December - - -  |         |         |         |       |       |       |       |       |       |       |         |
| TOTALS -        | (64.00) | (77.50) | (55.00) | 63.40 | 50.00 | 55.00 | 49.80 | 61.40 | 66.70 | 56.50 | (59.91) |

\* 15ft to sea level

\* On land near Spring Water Soddy Reservoir. Hampshire Pastures

Belmont

Belton le Mow

Henry Baylis Esq:

+ ground 0.0

+ Sea Level 800 feet

| YEAR - -      | 1850  | 1851  | 1852  | 1853  | 1854  | 1855  | 1856  | 1857  | 1858  | 1859  | MEANS. |
|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| January - -   | 4.00  | 7.80  | 7.30  | 3.90  | 5.30  | 1.70  | 4.10  | 4.60  | 3.20  | 4.00  | 4.790  |
| February - -  | 5.10  | 3.30  | 9.00  | 1.70  | 5.40  | 1.10  | 5.50  | 3.60  | 1.10  | 4.50  | 3.930  |
| March - - -   | 1.60  | 5.70  | 7.0   | 3.00  | 2.40  | 1.20  | 1.10  | 3.30  | 2.70  | 6.50  | 3.120  |
| April - - -   | 5.60  | 1.70  | 7.0   | 3.80  | 1.30  | 2.40  | 3.70  | 2.60  | 3.80  | 4.80  | 3.040  |
| May - - -     | 3.00  | 5.00  | 3.20  | 1.80  | 2.70  | 2.00  | 3.20  | 2.30  | 4.00  | 1.70  | 2.490  |
| June - - -    | 2.60  | 6.40  | 6.20  | 3.10  | 2.50  | 5.60  | 5.30  | 4.80  | 1.90  | 2.80  | 4.120  |
| July - - -    | 6.50  | 5.00  | 4.10  | 7.10  | 3.70  | 4.80  | 3.60  | 4.30  | 3.80  | 2.40  | 4.530  |
| August - - -  | 7.90  | 5.30  | 6.60  | 3.70  | 5.30  | 4.40  | 6.20  | 1.90  | 4.20  | 8.50  | 5.700  |
| September - - | 2.90  | 2.00  | 3.10  | 4.20  | 4.70  | 1.50  | 6.00  | 4.70  | 5.90  | 7.30  | 4.230  |
| October - -   | 6.00  | 7.60  | 6.00  | 5.30  | 4.80  | 8.90  | 2.50  | 2.50  | 5.00  | 4.30  | 5.290  |
| November - -  | 9.00  | 3.10  | 9.20  | 4.40  | 6.50  | 1.50  | 5.10  | 2.30  | 2.50  | 3.70  | 4.730  |
| December - -  | 4.20  | 2.90  | 10.50 | 1.00  | 10.60 | 2.80  | 6.20  | 3.50  | 6.60  | 3.90  | 5.220  |
| TOTALS -      | 58.40 | 53.80 | 66.60 | 44.00 | 53.20 | 40.90 | 52.50 | 43.40 | 43.70 | 53.40 | 51.190 |

C C C C C C C C C C C

## Belmont

Henry Baylis Esq<sup>r</sup>

10 in + ground 0.0 + Sea Level 200 ft

| YEAR - -     | 1860  | 1861  | 1862  | 1863  | 1864  | 1865  | 1866  | 1867  | 1868  | 1869  | MEANS.  |
|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|
| January - -  | 5.70  | 1.20  | 4.20  | 6.50  | 3.90  | 3.80  | 6.40  | 5.10  | 3.00  | 3.80  | 4.360   |
| February - - | 1.50  | 3.60  | 2.30  | 2.50  | 3.70  | 4.80  | 5.40  | 5.00  | 4.30  | 7.40  | 4.050   |
| March - - -  | 4.60  | 7.20  | 4.90  | 2.30  | 5.20  | 3.10  | 3.20  | 1.80  | 7.00  | 1.80  | 3.910   |
| April - - -  | 2.40  | 2.10  | 4.10  | 1.90  | 2.50  | 1.80  | .80   | 6.10  | 2.90  | 3.90  | 2.850   |
| May - - -    | 4.70  | 1.70  | 6.10  | 4.10  | 4.00  | 4.00  | 2.40  | 2.30  | 1.80  | 3.20  | 3.430   |
| June - - -   | 9.20  | 3.10  | 5.90  | 6.10  | 6.50  | .70   | 5.90  | 1.70  | .70   | 2.70  | 4.150   |
| July - - -   | 2.10  | 6.30  | 5.40  | 2.20  | 2.70  | 3.70  | 6.10  | 7.20  | .60   | 1.80  | 3.010   |
| August - -   | 9.90  | 6.50  | 6.00  | 6.30  | 4.10  | 7.40  | 6.90  | 2.50  | 5.40  | 4.60  | 5.960   |
| September -  | 4.00  | 9.20  | 5.40  | 11.90 | 6.30  | .80   | 10.30 | 4.70  | 2.50  | 9.90  | 6.500 + |
| October - -  | 7.60  | 2.40  | 0.50  | 7.80  | 2.80  | 6.10  | 4.00  | 6.80  | 9.10  | 6.70  | 6.480   |
| November -   | 4.00  | 8.30  | 2.80  | 8.20  | 5.70  | 4.60  | 9.20  | 1.00  | 4.40  | 7.30  | 5.630   |
| December -   | 4.10  | 4.10  | 6.30  | 6.20  | 3.80  | 1.80  | 7.50  | 7.20  | 11.50 | 5.30  | 5.780   |
| TOTALS -     | 59.80 | 53.70 | 61.90 | 66.00 | 48.20 | 42.60 | 68.10 | 52.20 | 53.20 | 58.40 | 56.610  |

d C C C A E + C C C C

59 = 53.40

## RAINFALL AT Belmont.

Lat..... County of..... Lancashire  
 Lon..... S. Wrigley  
 Rain Gauge, by..... Observer H. B. Swindellhurst  
 Altitude 75

| Diameter ..... | 10    | 16    |       |       |       |       |       |       |       |       |        |  |
|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--|
| Height .....   | 3.0   | 9     |       |       |       |       |       |       |       |       |        |  |
| Altitude ..... | 800.0 |       |       |       |       |       |       |       |       |       |        |  |
| YEAR .....     | 1870  | 1871  | 1872  | 1873  | 1874  | 1875  | 1876  | 1877  | 1878  | 1879  | MEANS. |  |
| January.....   | 4.00  | 7.80  | 6.30  | 6.20  | 6.80  | 6.70  | 3.90  | 8.50  | 6.90  | 2.20  | 5.360  |  |
| February.....  | 1.60  | 4.30  | 4.50  | 1.50  | 2.40  | 1.80  | 6.20  | 9.20  | 2.30  | 4.50  | 3.830  |  |
| March.....     | 3.60  | 1.90  | 6.50  | 4.50  | 7.30  | 1.50  | 5.80  | 5.20  | 4.20  | 3.20  | 4.370  |  |
| April.....     | 2.60  | 4.30  | 3.20  | .90   | 2.30  | 1.50  | 3.50  | 3.40  | 3.80  | 2.10  | 2.960  |  |
| May.....       | 2.10  | 2.30  | 3.50  | 3.70  | 2.40  | 3.20  | 1.20  | 4.30  | 6.20  | 3.30  | 3.220  |  |
|                |       |       | 3.50  |       |       |       |       |       |       |       |        |  |
| June.....      | 4.20  | 3.90  | 7.40  | 3.00  | 1.30  | 5.30  | 4.30  | 4.00  | 4.00  | 6.50  | 4.350  |  |
| July.....      | 2.10  | 6.90  | 5.20  | 7.50  | 5.50  | 7.10  | 5.00  | 10.40 | 2.20  | 8.10  | 6.000  |  |
| August.....    | 4.80  | 2.10  | 4.50  | 6.80  | 9.40  | 4.40  | 7.10  | 6.80  | 7.30  | 10.00 | 6.320  |  |
| September..... | 4.10  | 4.80  | 9.70  | 8.20  | 6.00  | 6.90  | 5.70  | 4.30  | 8.70  | 4.70  | 6.810  |  |
| October.....   | 14.20 | 7.50  | 7.40  | 7.50  | 9.00  | 8.00  | 4.30  | 8.10  | 7.40  | 5.80  | 7.920  |  |
| November.....  | 4.60  | 2.00  | 4.90  | 5.40  | 8.60  | 6.70  | 5.60  | 9.20  | 3.50  | 1.80  | 6.230  |  |
| December.....  | 4.10  | 5.00  | 4.40  | 2.40  | 4.70  | 2.80  | 8.80  | 8.30  | 4.10  | 2.80  | 4.740  |  |
| TOTALS.....    | 52.80 | 46.64 | 67.50 | 52.60 | 65.20 | 55.90 | 61.40 | 81.70 | 60.60 | 55.00 | 59.910 |  |

C C C

1871 Correction sent by R. H. Swindellhurst  
 June 28th. 1880

RAINFALL AT Bolton, Belmont - **80**

Lat. \_\_\_\_\_

Long. \_\_\_\_\_ County of Lancashire

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

Observer R. H. Swindhurst, Esq.  
C.E.Shorell, 3

| Diameter ....   | 6     |       |       |       |       |       |       |       |       |       |        |
|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| Height .....    | 9     |       |       |       |       |       |       |       |       |       |        |
| Altitude ....   | 800   |       |       |       |       |       |       |       |       |       |        |
| Year .....      | 1880  | 1881  | 1882  | 1883  | 1884  | 1885  | 1886  | 1887  | 1888  | 1889  | MEANS. |
| January .....   | 2.50  | 1.50  | 5.10  | 7.40  | 6.50  | 4.30  | 9.10  | 2.90  | 3.40  | 2.80  | 4.550  |
| February .....  | 4.10  | 8.50  | 4.00  | 4.50  | 4.70  | 5.10  | 1.50  | 2.30  | 2.10  | 4.30  | 4.090  |
| March .....     | 3.00  | 6.00  | 6.70  | 1.70  | 3.30  | 3.80  | 4.60  | 2.90  | 4.10  | 3.30  | 3.940  |
| April .....     | 3.10  | 2.30  | 6.70  | 2.70  | 1.40  | 2.90  | 3.40  | 2.80  | 3.10  | 3.10  | 3.150  |
| May .....       | 3.20  | 6.10  | 3.50  | 1.20  | 3.30  | 2.60  | 5.20  | 3.50  | 1.20  | 4.40  | 3.420  |
| June .....      | 4.60  | 3.30  | 9.90  | 5.30  | 1.10  | 5.50  | 1.10  | 1.30  | 3.30  | 1.00  | 3.940  |
| July .....      | 6.90  | 7.40  | 8.10  | 4.70  | 6.40  | 3.00  | 6.50  | 2.00  | 10.20 | 5.20  | 6.040  |
| August .....    | 2.60  | 9.60  | 7.80  | 4.50  | 2.30  | 3.70  | 4.00  | 2.40  | 6.30  | 9.90  | 5.810  |
| September ..... | 7.10  | 3.30  | 3.50  | 9.10  | 5.40  | 7.90  | 5.70  | 8.50  | 3.60  | 7.30  | 6.140  |
| October .....   | 3.40  | 4.80  | 5.20  | 7.50  | 4.90  | 7.90  | 6.50  | 3.70  | 3.40  | 4.70  | 5.200  |
| November .....  | 7.50  | 6.20  | 10.70 | 5.70  | 2.50  | 5.70  | 4.60  | 2.50  | 9.20  | 3.30  | 5.790  |
| December .....  | 10.20 | 9.20  | 5.50  | 6.90  | 7.80  | 4.40  | 8.20  | 4.10  | 3.50  | 6.70  | 6.650  |
| TOTALS ....     | 58.20 | 68.20 | 76.70 | 61.20 | 44.60 | 56.80 | 63.20 | 38.90 | 53.40 | 56.00 | 58.220 |

Annual value rejected from Survey. (6" high).

## RAINFALL AT Golton Belmont

Lat.

Lon.

County of

Lancashire

Rain Gauge, by

Observer

R. H. Middlehurst Esq. C.L.

Drivell 3

| Diameter .....  | 6     |       |       |       |       |       |       |       |       |       |         |
|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|
| Height .....    | 0.9   |       |       |       |       |       |       |       |       |       |         |
| Altitude .....  | 800   |       |       |       |       |       |       |       |       |       |         |
| Year .....      | 1890  | 1891  | 1892  | 1893  | 1894  | 1895  | 1896  | 1897  | 1898  | 1899  | MEANS.  |
| January .....   | 7.70  | 3.50  | 5.70  | 2.30  | 4.40  | 3.80  | 2.90  | 1.90  | 5.70  | 8.01  |         |
| February .....  | 1.20  | .80   | 4.00  | 6.90  | 7.40  | .50   | 2.20  | 4.50  | 4.60  | 2.26  |         |
| March .....     | 5.90  | 3.10  | 1.20  | 2.30  | 5.40  | 5.50  | 7.60  | 5.20  | 3.20  | 3.51  |         |
| April .....     | 2.20  | 2.20  | 2.50  | .80   | 2.40  | 2.90  | 2.80  | 4.00  | 2.40  | 6.47  |         |
| May .....       | 3.20  | 4.20  | 4.90  | 2.50  | 4.50  | 1.80  | 1.00  | 3.40  | 4.80  | 3.76  |         |
| June .....      | 4.90  | 3.30  | 4.80  | 3.80  | 4.90  | 3.30  | 4.80  | 6.50  | 4.40  | 4.38  |         |
| July .....      | 5.60  | 6.30  | 3.80  | 3.90  | 6.30  | 6.80  | 3.80  | 2.90  | 2.10  | 4.60  |         |
| August .....    | 7.10  | 13.10 | 6.80  | 5.30  | 8.10  | 6.20  | 4.20  | 7.60  | 5.80  | 2.03  |         |
| September ..... | 3.60  | 5.00  | 7.40  | 8.60  | .60   | 2.80  | 11.50 | 7.00  | 2.40  | 8.27  |         |
| October .....   | 7.00  | 6.70  | 6.30  | 6.70  | 4.90  | 6.70  | 6.80  | 3.30  | 5.00  | 4.72  |         |
| November .....  | 13.70 | 5.90  | 4.50  | 5.10  | 5.30  | 4.60  | 2.10  | 4.60  | 5.60  | 3.23  |         |
| December .....  | 1.00  | 9.50  | 5.20  | 6.50  | 6.30  | 5.80  | 8.20  | 8.10  | 6.50  | 4.44  |         |
| TOTALS ...      | 63.10 | 63.60 | 57.10 | 54.70 | 60.50 | 50.70 | 52.90 | 59.00 | 55.10 | 52.68 | (37638) |

1899 discontinued

new gauge used

Annual value reported from survey (6' high)

## RAINFALL AT

Bolton Belmont

Lat.

Long.

County of

Lancashire

Jewell 3

Rain Gauge, by

Observer

R. H. Swindellhurst Esq C.R.

New Garage

|                |      |      |      |       |       |       |       |       |       |       |        |
|----------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|--------|
| Diameter ..... |      |      |      | 5     |       |       |       |       |       |       |        |
| Height .....   |      |      |      | 10    |       |       |       |       |       |       |        |
| Altitude ..... |      |      |      | 800   |       |       |       |       |       |       |        |
| Year .....     | 1890 | 1891 | 1892 | 1893  | 1894  | 1895  | 1896  | 1897  | 1898  | 1899  | MEANS. |
| January .....  |      |      |      | 2.71  | 4.23  | 3.90  | 2.77  | 1.85  | 5.39  | 8.01  |        |
| February ..... |      |      |      | 7.25  | 7.05  | .42   | 2.14  | 4.42  | 4.45  | 2.26  |        |
| March .....    |      |      |      | 2.02  | 5.20  | 5.54  | 9.43  | 5.39  | 3.21  | 3.51  |        |
| April .....    |      |      |      | .62   | 2.34  | 2.84  | 2.69  | 3.88  | 2.27  | 6.47  |        |
| May .....      |      |      |      | 2.32  | 4.59  | 1.76  | .89   | 3.30  | 4.11  | 3.76  |        |
| June .....     |      |      |      | 3.72  | 4.75  | 3.21  | 4.66  | 6.50  | 4.20  | 1.38  |        |
| July .....     |      |      |      | 3.87  | 6.09  | 6.76  | 3.86  | 2.94  | 2.10  | 4.60  |        |
| August .....   |      |      |      | 5.43  | 7.78  | 6.19  | 4.09  | 7.53  | 3.69  | 2.03  |        |
| September....  |      |      |      | 8.01  | .51   | 2.60  | 11.12 | 6.96  | 2.23  | 8.27  |        |
| October.....   |      |      |      | 6.60  | 4.84  | 6.54  | 6.84  | 3.38  | 4.87  | 4.72  |        |
| November....   |      |      |      | 5.38  | 5.37  | 4.39  | 2.08  | 4.55  | 5.42  | 3.23  |        |
| December....   |      |      |      | 6.34  | 6.22  | 5.68  | 7.91  | 8.01  | 6.51  | 4.44  |        |
| TOTALS . . .   |      |      |      | 54.27 | 58.97 | 49.83 | 58.48 | 58.71 | 53.45 | 52.68 |        |

# RAINFALL AT Bolton Belmont

Lat.

Lon.

County of Lancashire South

Snowdon

Rain Gauge, by Corolla

Observer R. H. Windlehurst Esq. C.E.

Jewell 3

Lewis Mitchell Esq. C.E.

| Diameter ..  | 5     |       |       |       |       |       |       |       |       |       |        |
|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| Height ....  | 0.9   |       |       |       |       |       |       | 1.0   |       |       |        |
| Altitude ..  | 800   |       |       |       |       |       |       |       |       |       |        |
| Year ....    | 1900  | 1901  | 1902  | 1903  | 1904  | 1905  | 1906  | 1907  | 1908  | 1909  | MEANS. |
| January ..   | 8.01  | 3.68  | 6.36  | 4.48  | 4.92  | 2.97  | 8.23  | 2.58  | 5.23  | 3.33  | 4.979  |
| February ..  | 4.38  | 2.62  | 2.27  | 5.45  | 4.81  | 3.91  | 4.59  | 2.78  | 5.89  | 3.10  | 3.980  |
| March ....   | 4.95  | 4.97  | 3.59  | 5.57  | 2.92  | 4.71  | 4.68  | 5.12  | 4.29  | 4.12  | 4.092  |
| April.....   | 3.81  | 3.72  | 3.35  | 2.93  | 3.54  | 4.95  | 3.24  | 3.03  | 2.88  | 4.51  | 3.596  |
| May .....    | 2.31  | 1.48  | 4.67  | 4.91  | 3.21  | 1.92  | 4.80  | 5.32  | 4.42  | 3.61  | 3.565  |
| June .....   | 3.85  | 2.46  | 1.94  | 2.15  | 2.34  | 2.80  | 2.85  | 11.40 | 2.57  | 3.68  | 3.604  |
| July .....   | 3.20  | 2.52  | 5.55  | 4.76  | 2.20  | 3.38  | 3.02  | 4.74  | 7.13  | 8.78  | 4.528  |
| August ..... | 6.24  | 3.97  | 4.28  | 8.19  | 5.62  | 5.83  | 5.60  | 6.90  | 4.72  | 4.10  | 5.545  |
| September..  | 4.04  | 1.63  | 2.61  | 6.60  | 2.53  | 4.10  | 2.57  | 1.76  | 5.89  | 4.37  | 3.610  |
| October....  | 8.12  | 5.53  | 6.36  | 11.48 | 3.80  | 5.82  | 8.42  | 4.30  | 2.66  | 8.37  | 6.486  |
| November..   | 6.79  | 7.00  | 4.18  | 5.26  | 5.17  | 6.13  | 5.15  | 4.74  | 4.82  | 2.69  | 5.192  |
| December ..  | 7.30  | 5.82  | 4.11  | 3.46  | 3.93  | 1.49  | 6.59  | 5.55  | 4.23  | 8.80  | 5.128  |
| TOTALS ..    | 59.00 | 45.40 | 49.27 | 65.24 | 44.99 | 47.01 | 59.74 | 58.22 | 54.73 | 59.46 | 54.305 |

Hull

1906 Belmont Church

NW

+ Inspected

Annual values rejected from Survey (6 high)

RAINFALL at Bolton BelmontCounty of South LancashireObserver Lewis Mitchell Esq. C.E.River Basin Mersey Inwell 3

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

| Diameter ... | 5     |       |       |       |       |       |       |       |       |       |        |   |
|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|---|
| Height ..... | 9     |       | 10    |       |       |       |       |       |       |       |        |   |
| Altitude ... | 800   |       |       |       |       |       |       |       |       |       |        |   |
| Year ...     | 1910  | 1911  | 1912  | 1913  | 1914  | 1915  | 1916  | 1917  | 1918  | 1919  | MEANS. |   |
| January ...  | 6.98  | 1.92  | 4.74  | 6.16  | 3.90  | 7.91  | 4.99  | 4.32  | 3.04  | 6.31  |        |   |
| February ... | 5.65  | 6.44  | 2.34  | 2.14  | 3.28  | 6.00  | 5.45  | 2.13  | 7.11  | 1.30  |        |   |
| March .....  | 1.13  | 3.19  | 8.72  | 5.93  | 6.76  | 2.85  | 2.18  | 3.58  | 2.64  | 8.32  |        |   |
| April .....  | 5.01  | 5.22  | 1.33  | 6.35  | 1.88  | 3.00  | 6.03  | 2.85  | 1.44  | 3.47  |        |   |
| May .....    | 4.83  | 2.56  | 3.00  | 4.77  | 3.40  | 1.87  | 3.11  | 2.22  | 2.99  | 2.03  |        |   |
| June .....   | 3.96  | 4.75  | 7.49  | 3.51  | 2.35  | 2.09  | 4.51  | 2.63  | 3.44  | 3.11  |        |   |
| July .....   | 6.43  | .34   | 6.40  | 1.52  | 6.13  | 4.94  | 3.02  | 3.10  | 4.35  | 1.95  |        |   |
| August ..... | 7.90  | 3.33  | 10.72 | 2.90  | 4.11  | 7.84  | 4.02  | 9.54  | 5.74  | 6.46  |        |   |
| September .. | .78   | 5.07  | 3.99  | 2.38  | 5.09  | 1.11  | 4.64  | 3.69  | 16.57 | 3.43  |        |   |
| October ...  | 4.14  | 3.66  | 6.73  | 2.60  | 3.82  | 2.36  | 10.35 | 11.44 | 6.50  | 3.25  |        |   |
| November ... | 8.12  | 6.81  | 4.72  | 6.11  | 6.87  | 2.16  | 3.67  | 8.37  | 3.83  | 4.79  |        |   |
| December ... | 6.33  | 10.19 | 5.37  | 4.12  | 7.92  | 11.06 | 3.86  | 3.57  | 12.69 | 9.88  |        |   |
| TOTALS ...   | 61.26 | 52.48 | 65.55 | 48.49 | 55.51 | 53.19 | 55.83 | 57.44 | 72.34 | 53.30 | 57.52  | 9 |
|              | D     | D     | D     | D     | D     | D     | D     | D     | D     | D     |        |   |

+ Inspected

| Date. | Lat. N.    | Long.   | Railway Station. | Distance. | Direction. | Church.             | Distance. | Direction. |
|-------|------------|---------|------------------|-----------|------------|---------------------|-----------|------------|
| 1919  | 53°37'31"N | 22°59'W | Bromley Cross    | 3 mi      | SE         | St. Peters, Belmont | 1½ mi     | N.W.       |

## RAINFALL at Bolton Belmont Reservoir No. 1

County of Lancashire Observer J. H. Swales Esq. C.E.

River Basin Mersey-Dewell 3 Bolton 1 mi. S.W. 200 ft.

Snowdon Rain Gauge, by Casella 1930 J.P. Ainsworth C.E. (acting)  
M.O. (1926)

| Diameter ... | 5"    |       |       |       |       |       |       |       |       |       | 1930-<br>MEANS. |
|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----------------|
| Height ..... | 1.0   |       |       |       |       |       |       |       |       |       |                 |
| Altitude ... | 800   |       |       |       |       |       |       |       |       |       |                 |
| Year .....   | 1920  | 1921  | 1922  | 1923  | 1924  | 1925  | 1926  | 1927  | 1928  | 1929  |                 |
| January ...  | 5.54  | 9.19  | 5.14  | 6.32  | 4.35  | 3.87  | 6.29  | 7.19  | 13.89 | 2.86  | 6.91            |
| February ... | 4.55  | 8.82  | 6.15  | 8.09  | 1.75  | 8.48  | 5.71  | 2.58  | 6.52  | 1.69  | 5.4             |
| March .....  | 5.22  | 4.19  | 3.67  | 2.11  | 2.12  | 3.16  | 3.10  | 8.91  | 3.48  | 2.19  | 3.25            |
| April.....   | 6.73  | 2.87  | 2.65  | 3.92  | 2.56  | 3.19  | 2.08  | 4.67  | 1.46  | 1.66  | 2.89            |
| May .....    | 8.02  | 3.67  | 2.51  | 5.29  | 7.20  | 5.66  | 4.85  | 2.04  | 1.57  | 3.72  | 3.33            |
| June .....   | 2.96  | 5.74  | 4.02  | 1.94  | 3.65  | 1.15  | 2.73  | 6.52  | 7.97  | 2.41  | 3.08            |
| July .....   | 8.27  | 2.44  | 5.33  | 6.14  | 6.21  | 2.52  | 4.43  | 5.36  | 4.21  | 4.60  | 6.79            |
| August ..... | 3.57  | 7.26  | 6.23  | 6.86  | 11.31 | 5.36  | 6.05  | 7.45  | 7.77  | 4.31  | 8.86            |
| September... | 3.83  | 1.97  | 5.97  | 6.81  | 5.82  | 5.90  | 5.34  | 7.68  | 1.34  | 2.87  | 4.38            |
| October..... | 1.55  | 3.61  | 1.83  | 8.46  | 6.61  | 6.47  | 4.50  | 5.81  | 7.08  | 9.19  | 8.73            |
| November...  | 2.59  | 4.03  | 5.21  | 7.83  | 3.56  | 4.88  | 8.26  | 6.49  | 8.53  | 10.34 | 8.39            |
| December...  | 4.02  | 8.53  | 7.01  | 6.91  | 6.69  | 4.06  | 3.03  | 1.66  | 4.32  | 8.68  | 5.14            |
| TOTALS...    | 56.85 | 49.35 | 54.72 | 70.68 | 61.83 | 53.70 | 56.37 | 66.36 | 68.67 | 57.83 | 62.29           |

IX/26 Inspected by Mr. Colens see green file

Probably sheltered by growth of mature plantation

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° 27' 51" | 2° 27' 59" | Bromley Cross    | 3½ mi               | ESE                  | St. Peters     | 1½ mi               | NW                   |

## RAINFALL at Bolton W.W. Belmont Springs No. 2

County of Lancashire.

Observer per J K Swales Esq. C.E.

River Basin Mersey, Lowell S.

Bolton Corporation W.W.

Rain Gauge, by.....

1930 P. J. Aimworth Esq. C.E.

|                 |      |      |      |      |      |      |      |      |      |                   |
|-----------------|------|------|------|------|------|------|------|------|------|-------------------|
| Diameter .....  |      |      |      |      |      |      |      |      |      | 5                 |
| Height .....    |      |      |      |      |      |      |      |      |      | 1'                |
| Altitude .....  |      |      |      |      |      |      |      |      |      | 810'              |
| Year .....      | 1920 | 1921 | 1922 | 1923 | 1924 | 1925 | 1926 | 1927 | 1928 | 1929              |
| January .....   |      |      |      |      |      |      |      |      |      | 2.614 6.95        |
| February .....  |      |      |      |      |      |      |      |      |      | 1.64 5.58         |
| March .....     |      |      |      |      |      |      |      |      |      | 2.18 3.26         |
| April .....     |      |      |      |      |      |      |      |      |      | 1.71 2.90         |
| May .....       |      |      |      |      |      |      |      |      |      | 3.78 3.61         |
| June .....      |      |      |      |      |      |      |      |      |      | 2.50 3.12         |
| July .....      |      |      |      |      |      |      |      |      |      | 4.64 6.94         |
| August .....    |      |      |      |      |      |      |      |      |      | 7.61 9.89         |
| September ..... |      |      |      |      |      |      |      |      |      | 3.00 4.47         |
| October .....   |      |      |      |      |      |      |      |      |      | 9.64 9.17         |
| November .....  |      |      |      |      |      |      |      |      |      | 10.81 8.79        |
| December .....  |      |      |      |      |      |      |      |      |      | 8.94 5.26         |
| TOTALS .....    |      |      |      |      |      |      |      |      |      | 69.63 58.68 64.24 |

1929 Overposed.

'928 copied from f. 74178/37

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 |
|-------|---------|-------|------------------|---------------------|-----------|----------------|---------------------|-----------|
|       |         |       |                  |                     |           |                |                     |           |

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

RAINFALL at Bolton W.W. (Springs Reservoir)

County of South Lancashire

Observer Bolkov Corpn. W. W.

River Basin Mersey-Truro - 3.

Type of Gauge.....

Annual Average 53.9 in. based on 37 years obs. unweighted. Period of average 1880-1915 Ref. S

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

## RAINFALL at Bolton W.W. (Springs) No. 2

County of South Lancashire

Observer Bolton Corpn. W.W.

River Basin Mersey - Twell - 3

Type of Gauge Snowdon.

Annual Average 54.5 in. based on 3 years obs. un-weighted. Period of average 1.851-1915 Ref. S

74/1918/27.

| Diameter  | 5.    |       |       |       |       |       |       |       |       |       |                 |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----------------|
| Height    | 1.0.  |       |       |       |       |       |       |       |       |       |                 |
| Altitude  | 810.  |       |       |       |       |       | 800   |       | 810   |       |                 |
| Year      | 1931  | 1932  | 1933  | 1934  | 1935  | 1936  | 1937  | 1938  | 1939  | 1940  | Means<br>Totals |
| January   | 10.00 | 6.65  | 3.40  | 4.82  | 4.73  | 5.88  | 4.62  | 7.02  | 6.73  | 3.81  | 57.66           |
| February  | 7.25  | 1.15  | 5.42  | 5.7   | 8.76  | 3.29  | 8.21  | 2.54  | 6.54  | 3.67  | 46.40           |
| March     | 1.69  | 4.16  | 3.54  | 3.56  | 2.27  | 3.76  | 2.19  | 2.65  | 2.82  | 3.81  | 29.45           |
| April     | 4.99  | 4.61  | 2.28  | 3.72  | 4.50  | 1.35  | 5.11  | 1.09  | 3.60  | 4.65  | 35.90           |
| May       | 3.14  | 5.59  | 2.35  | 4.91  | 1.77  | 1.26  | 2.60  | 5.35  | 1.89  | .96   | 29.71           |
| June      | 7.65  | 1.03  | 3.60  | 3.03  | 5.28  | 4.75  | 2.68  | 5.91  | 4.49  | 1.30  | 39.72           |
| July      | 6.04  | 4.82  | 4.04  | 3.39  | 3.04  | 7.01  | 3.13  | 6.64  | 9.47  | 6.61  | 57.19           |
| August    | 7.05  | 1.89  | 3.78  | 7.46  | 2.51  | 4.43  | 3.62  | 5.16  | 2.28  | 3.56  | 41.74           |
| September | 4.91  | 1.41  | 1.07  | 4.66  | 9.17  | 7.08  | 2.64  | 3.25  | 1.84  | 6.38  | 50.31           |
| October   | 3.74  | 11.10 | 5.87  | 9.04  | 13.91 | 6.22  | 2.72  | 13.22 | 2.84  | 5.48  | 74.14           |
| November  | 10.57 | 4.91  | 3.11  | 3.04  | 6.09  | 8.61  | 2.15  | 7.28  | 9.11  | 9.39  | 64.26           |
| December  | 3.48  | 2.86  | 8.9   | 8.17  | 5.27  | 6.17  | 3.60  | 6.71  | 4.57  | 4.84  | 49.59           |
| TOTALS    | 69.51 | 57.18 | 39.35 | 56.37 | 67.30 | 59.81 | 43.07 | 66.82 | 56.18 | 57.48 | 573.07          |
|           | D.    | S.    | D.    |                 |

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

| Date. | Lat. N. | Leng. | Railway Station. | Distance from gauge | Direction from gauge | Parish Church. | Distance from gauge |
|-------|---------|-------|------------------|---------------------|----------------------|----------------|---------------------|
| 1931  |         |       | Bromley Cross.   | 2½ m.               | ESE                  | Bellmont       | ½ m. NW             |

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

Station No. T.F. 28109

## RAINFALL at Bolton W.W. (Springs) N°2

41

County of North Lancashire Observer Bolton Corps. W.W.

River Basin Mersey - Lowell - 3

Type of Gauge Standard

Annual Average 54.5 in. based on 3 years obs. un-weighted. Period of average 1881-1915 Ref. S

File No. 741918/27

| Diameter  | 5"    |       | 562   | 340   |       |       |       |       |       |       |              |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------------|
| Height    | 1'0"  |       |       |       | 1     |       |       |       |       |       |              |
| Altitude  | 810'  |       |       |       | 41    |       | 800'  |       |       | 800'  |              |
| Year      | 1941  | 1942  | 1943  | 1944  | 1945  | 1946  | 1947  | 1948  | 1949  | 1950  | Means-Totals |
| January   | 1.66  | 7.32  | 7.14  | 7.74  | 5.08  | 6.40  | 5.07  | 11.95 | 4.66  | 5.45  | 62.47        |
| February  | 6.94  | 2.42  | 4.35  | 3.38  | 6.95  | 8.23  | .85   | 3.48  | 3.55  | 6.53  | 46.68        |
| March     | 4.10  | 4.44  | 1.51  | .99   | 2.09  | 1.19  | 8.01  | 2.26  | 3.15  | 3.38  | 31.12        |
| April     | 2.73  | 2.55  | 3.79  | 3.58  | 2.99  | 1.55  | 4.31  | 3.95  | 4.76  | 4.98  | 34.19        |
| May       | 3.43  | 4.46  | 3.78  | 4.90  | 4.76  | 1.60  | 3.11  | 2.36  | 4.66  | 2.42  | 35.48        |
| June      | 1.73  | .83   | 5.80  | 4.64  | 6.23  | 4.44  | 3.31  | 8.31  | 1.39  | 3.63  | 39.31        |
| July      | 2.84  | 7.58  | 4.24  | 4.96  | 3.74  | 5.03  | 4.05  | 3.73  | 3.34  | 5.94  | 45.45        |
| August    | 9.44  | 7.20  | 10.33 | 4.21  | 4.14  | 9.41  | .27   | 6.92  | 3.84  | 8.78  | 64.57        |
| September | 1.70  | 4.53  | 5.93  | 8.01  | 4.27  | 10.03 | 4.43  | 4.41  | 3.33  | 11.65 | 58.29        |
| October   | 6.39  | 10.85 | 5.13  | 7.19  | 7.35  | 1.82  | 1.16  | 5.13  | 5.37  | 4.36  | 54.75        |
| November  | 3.60  | 1.75  | 5.82  | 8.70  | 1.02  | 9.06  | 7.16  | 3.27  | 7.72  | 8.54  | 56.64        |
| December  | 4.04  | 6.40  | 3.66  | 5.64  | 4.36  | 5.50  | 5.38  | 5.66  | 8.32  | 5.18  | 54.14        |
| TOTALS    | 47.63 | 60.33 | 61.48 | 63.94 | 52.98 | 64.26 | 47.11 | 60.43 | 54.09 | 70.84 | 583.09       |

December 1947. Engineer static gauge sound.

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. | Direction |
|-------|---------|-------|------------------|---------------------|-----------|----------------|----------------------|-----------|
| 1941  |         |       | Bromley Bros     | 2 1/2 m             | ESE       | Belmont        | 1 1/2 m              | N.W.      |

Station No. 2869

FF 36

51

## RAINFALL at Bolton M.W. (Springs) No. 2

County of S. Lancashire

Observer

River Basin Mersey - Irwell 3

Bolton Corporation Waterworks

Type of Gauge Snowdon

Annual Average 59.2 in. based on 3 years obs. un-weighted. Period of average 1881-1915 Ref. S  
 " 59.26 " 29 " within 1928-57. 1916-50  
 File No. 744918/27

| Diameter ... | 5"    |       | 562   | 340   |       |       |       |       |       |       |                   |
|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------------------|
| Height ...   | 1' 0" |       |       |       | 1     |       |       |       |       |       |                   |
| Altitude ... | 800'  | 810'  |       |       | 51    |       |       |       |       |       |                   |
| Year ...     | 1951  | 1952  | 1953  | 1954  | 1955  | 1956  | 1957  | 1958  | 1959  | 1960  | Means<br>T.T.H.O. |
| January      | 6.23  | 6.39  | 3.01  | 6.07  | 3.70  | 7.34  | 5.08  | 4.79  | 3.83  | 8.02  | 54.16             |
| February     | 4.10  | 2.27  | 1.91  | 4.38  | 2.74  | 1.35  | 3.80  | 9.63  | 1.12  | 4.26  | 35.56             |
| March        | 6.56  | 3.33  | 3.05  | 3.67  | 2.32  | 2.29  | 4.96  | 2.83  | 2.66  | 1.70  | 33.37             |
| April        | 3.06  | 4.72  | 4.13  | 1.36  | 4.29  | 3.57  | .98   | 2.14  | 3.98  | 3.44  | 31.67             |
| May          | 2.98  | 2.96  | 3.23  | 3.31  | 5.58  | 2.51  | 2.85  | 8.99  | 2.13  | 3.00  | 34.54             |
| June         | 1.67  | 5.64  | 2.95  | 5.69  | 4.39  | 3.65  | 3.15  | 5.30  | 3.15  | 1.94  | 37.53             |
| July         | 4.39  | 3.88  | 7.38  | 10.64 | 1.47  | 8.06  | 8.93  | 4.90  | 7.01  | 11.44 | 68.10             |
| August       | 6.04  | 6.25  | 6.68  | 8.41  | 2.13  | 15.86 | 8.93  | 6.37  | .72   | 7.00  | 68.39             |
| September    | 4.34  | 5.79  | 6.00  | 6.74  | 6.18  | 5.20  | 11.52 | 6.07  | .52   | 4.43  | 56.79             |
| October      | 1.15  | 6.22  | 2.58  | 11.17 | 3.30  | 4.48  | 9.12  | 6.00  | 6.73  | 5.94  | 56.69             |
| November     | 10.78 | 3.78  | 6.93  | 8.83  | 3.27  | 2.65  | 2.94  | 2.99  | 6.53  | 9.36  | 57.96             |
| December     | 12.64 | 6.24  | 2.66  | 9.74  | 7.90  | 5.36  | 7.44  | 5.59  | 9.98  | 6.90  | 74.45             |
| TOTALS ...   | 63.94 | 57.47 | 50.51 | 80.01 | 47.27 | 62.22 | 69.70 | 62.60 | 48.36 | 67.43 | 609.51            |
|              | 7     | D     | D     | D     | D     | D     | D     | D     | D     | D     |                   |

lus. 6.10.53. Slight leak in outer can. Quot size. 12" pole 10' 65".  
 Slight leak in can repaired 31.10.53.

Position of Station on Ordnance One-Inch map : No. of Map ..... National Grid Reference SD 692 142

| Date. | Lat. N. | Long. | Railway Station. | Distance from gauge | Direction from gauge | Parish Church. | Distance from gauge |
|-------|---------|-------|------------------|---------------------|----------------------|----------------|---------------------|
| 1951  |         |       | Bromley bros     | 2 1/2 m             | E. S.E.              | Belmont        | 1 1/2 m. NW         |

Summary of Earlier Records from 10-year Sheets :

| Record D. or d |  | 1910-19 | 1920-30      | 1931-40 | 1941-50 | 1951-60 |
|----------------|--|---------|--------------|---------|---------|---------|
|                |  |         | C1928<br>A29 | ✓       | ✓       | ✓       |