

# RAINFALL AT Belfast, Outfall Works

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

Lon. \_\_\_\_\_

County of Antrim

Wilson Electrical  
Recording

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

Observer. Belfast Corpn.

Amounts measured by glass from Jan 1906  
previously from dial

H. A. Butler Esq

| Diameter ... | <u>Belfast Lough + 1.</u> |      |      |      | 8      |       |       |       |       |       |        |
|--------------|---------------------------|------|------|------|--------|-------|-------|-------|-------|-------|--------|
| Height ..... |                           |      |      |      | 2 11   |       |       |       |       |       |        |
| Altitude ... |                           |      |      |      | 19     |       |       |       |       |       |        |
| Year ...     | 1900                      | 1901 | 1902 | 1903 | 1904   | 1905  | 1906  | 1907  | 1908  | 1909  | MEANS. |
| January ...  |                           |      |      |      |        | 1.84  | 4.25  | 1.88  | 2.84  | 1.88  |        |
| February ... |                           |      |      |      |        | 2.44  | 2.32  | 1.68  | 2.29  | 2.56  |        |
| March .....  |                           |      |      |      |        | 3.82  | 2.78  | 4.51  | 3.76  | 3.46  |        |
| April .....  |                           |      |      |      | # 2.15 | 3.25  | 2.00  | 2.28  | 3.76  | 3.40  |        |
| May .....    |                           |      |      |      | 1.75   | 2.35  | 5.10  | 3.97  | 1.81  | 1.31  |        |
| June .....   |                           |      |      |      | 1.60   | 3.48  | 1.50  | 4.90  | 3.20  | 1.95  |        |
| July .....   |                           |      |      |      | 2.71   | 1.53  | 1.75  | 1.75  | 2.68  | 3.26  |        |
| August ..... |                           |      |      |      | 4.02   | 7.33  | 3.96  | 3.50  | 2.67  | 1.98  |        |
| September .. |                           |      |      |      | 2.73   | 1.76  | 1.09  | 1.07  | 4.38  | 1.79  |        |
| October ...  |                           |      |      |      | .85    | 1.58  | 4.59  | 4.18  | 2.16  | 5.07  |        |
| November ..  |                           |      |      |      |        | 4.52  | 2.92  | 3.08  | 2.62  | .65   |        |
| December ... |                           |      |      |      | 3.13   | 2.41  | 3.49  | 3.34  | 3.29  | 3.52  |        |
| TOTALS ...   |                           |      |      |      |        | 36.31 | 35.75 | 36.14 | 35.46 | 30.83 |        |

1904 (interp.) - 1909 read. 28 VIII 11; 1908-9 read. 13 VI 11;  
entd. 27. VII 12

1904 Nov. g. under repair

RAINFALL at Belfast Outfall WorksCounty of AntrimObserver Belfast CorporationH. A. Butler.River Basin Belfast LoughWilson's Electrical Rain Gauge, by  
(see note below)

|              |       |       |       |       |       |       |       |       |       |       |        |        |
|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|
| Diameter ... | 8     |       |       |       |       | 8     |       |       |       |       |        |        |
| Height ..... | 2.11  |       |       |       |       |       |       |       |       |       |        |        |
| Altitude ... | 19    |       |       |       |       | 26    |       |       |       |       |        |        |
| Year ...     | 1910  | 1911  | 1912  | 1913  | 1914  | 1915  | 1916  | 1917  | 1918  | 1919  | MEANS. | TOTALS |
| January ...  | 2.92  | 1.74  | 4.06  | 5.22  | 2.14  | 3.66  | 2.93  | 2.06  | 2.77  | 3.77  | 31.27  | 11.53  |
| February ... | 4.70  | 2.63  | 2.59  | 1.23  | 3.43  | 3.85  | 3.88  | 2.01  | 4.30  | 1.36  | 29.98  | 11.55  |
| March .....  | 1.44  | 1.26  | 4.01  | 2.66  | 3.44  | 1.15  | 2.16  | 3.38  | .91   | 3.45  | 23.86  | 9.90   |
| April .....  | 1.97  | 2.90  | 1.35  | 3.26  | 1.37  | 1.70  | 3.87  | 1.83  | 1.40  | 1.27  | 20.92  | 8.37   |
| May .....    | 2.21  | 2.18  | 1.18  | 2.91  | 1.41  | 1.34  | 4.98  | 4.60  | 2.86  | 1.05  | 24.72  | 13.49  |
| June .....   | 3.35  | 2.09  | 6.71  | 2.06  | 1.06  | 1.71  | 1.77  | 2.00  | 1.22  | 1.98  | 23.95  | 6.97   |
| July .....   | 4.12  | 1.91  | 4.09  | 1.50  | 1.92  | 4.10  | 2.32  | 2.26  | 3.10  | .42   | 25.74  | 8.10   |
| August ..... | 5.46  | 2.17  | 6.10  | .92   | 2.84  | 4.19  | 1.71  | 3.76  | 2.97  | 3.09  | 33.21  | 11.53  |
| September .. | 1.10  | 1.21  | 1.44  | 4.10  | 1.50  | 1.22  | .86   | 1.92  | 4.84  | 3.43  | 21.62  | 11.05  |
| October ...  | 1.82  | 3.72  | 3.30  | 3.74  | 1.46  | 2.88  | 6.91  | 5.98  | 3.43  | 1.54  | 34.78  | 17.86  |
| November ..  | 3.30  | 4.27  | 3.19  | 3.70  | 4.84  | 2.44  | 3.55  | 4.39  | 4.25  | 3.06  | 36.99  | 15.25  |
| December ... | 4.40  | 5.65  | 3.99  | 3.25  | 6.95  | 6.09  | 2.57  | 2.83  | 4.72  | 7.59  | 48.01  | 17.71  |
| TOTALS ...   | 36.79 | 31.73 | 42.01 | 34.55 | 32.36 | 34.33 | 37.51 | 37.02 | 36.77 | 32.01 | 355.08 | 163.33 |

1915. In addition to the automatic record, the total rainfall between mid-night & mid-night is measured in a graduated glass in the usual way; the figures above are obtained from these measurements.

1915 Building 30 ft high 170 ft. N.

| Date. | Lat. N.       | Long. W.     | Railway Station. | Distance. | Direction. | Church. | Distance. | Direction. |
|-------|---------------|--------------|------------------|-----------|------------|---------|-----------|------------|
|       | 54° 27' 24" N | 5° 54' 15" W |                  |           |            |         |           |            |



RAINFALL at Belfast Sewage overflow Works.County of AntrimObserver H. A. C. C. C. C.River Basin Belfast Lough — 1(1926) G. S. P. Johnston Esq.  
R. B. Donald Esq.Wilson Reading Rain Gauge, by Cobs. gauge 50 ft. above end station

| Diameter ...  | <u>8</u>     |              |              |              |              |              |              |              |              |              |                |               |
|---------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|----------------|---------------|
| Height .....  | <u>3.0</u>   |              |              | <u>3.0</u>   |              |              |              |              |              |              |                |               |
| Altitude ...  | <u>26</u>    | <u>27</u>    |              |              |              |              |              |              |              |              |                |               |
| Year .....    | 1920         | 1921         | 1922         | 1923         | 1924         | 1925         | 1926         | 1927         | 1928         | 1929         | 1930<br>MEANS. |               |
| January ...   | <u>5.04</u>  | <u>5.41</u>  | <u>4.12</u>  | <u>3.79</u>  | <u>4.60</u>  | <u>2.71</u>  | <u>4.73</u>  | <u>3.73</u>  | <u>5.36</u>  | <u>1.78</u>  | <u>3.65</u>    | <u>3.65</u>   |
| February ...  | <u>1.86</u>  | <u>1.66</u>  | <u>3.47</u>  | <u>6.52</u>  | <u>7.4</u>   | <u>4.09</u>  | <u>3.69</u>  | <u>1.78</u>  | <u>4.27</u>  | <u>3.11</u>  | <u>0.91</u>    | <u>3.11</u>   |
| March .....   | <u>2.98</u>  | <u>2.55</u>  | <u>1.32</u>  | <u>2.12</u>  | <u>1.26</u>  | <u>1.13</u>  | <u>1.63</u>  | <u>2.21</u>  | <u>3.46</u>  | <u>1.63</u>  | <u>1.27</u>    | <u>20.56</u>  |
| April .....   | <u>2.76</u>  | <u>1.21</u>  | <u>4.01</u>  | <u>3.30</u>  | <u>2.63</u>  | <u>4.24</u>  | <u>1.88</u>  | <u>1.20</u>  | <u>1.39</u>  | <u>1.17</u>  | <u>1.51</u>    | <u>25.30</u>  |
| May .....     | <u>3.69</u>  | <u>1.62</u>  | <u>2.01</u>  | <u>1.39</u>  | <u>4.79</u>  | <u>5.44</u>  | <u>2.25</u>  | <u>1.64</u>  | <u>1.31</u>  | <u>2.32</u>  | <u>1.47</u>    | <u>27.93</u>  |
| June .....    | <u>2.61</u>  | <u>2.28</u>  | <u>1.69</u>  | <u>0.62</u>  | <u>3.17</u>  | <u>2.29</u>  | <u>2.25</u>  | <u>3.26</u>  | <u>3.69</u>  | <u>2.48</u>  | <u>1.83</u>    | <u>22.17</u>  |
| July .....    | <u>2.50</u>  | <u>4.11</u>  | <u>3.90</u>  | <u>2.66</u>  | <u>3.16</u>  | <u>3.47</u>  | <u>3.36</u>  | <u>2.71</u>  | <u>2.14</u>  | <u>2.63</u>  | <u>2.87</u>    | <u>33.51</u>  |
| August .....  | <u>2.10</u>  | <u>3.39</u>  | <u>3.43</u>  | <u>5.88</u>  | <u>4.90</u>  | <u>1.34</u>  | <u>3.85</u>  | <u>2.92</u>  | <u>3.21</u>  | <u>4.33</u>  | <u>5.71</u>    | <u>41.06</u>  |
| September...  | <u>2.60</u>  | <u>1.88</u>  | <u>2.31</u>  | <u>3.92</u>  | <u>5.07</u>  | <u>3.90</u>  | <u>2.08</u>  | <u>4.98</u>  | <u>2.10</u>  | <u>0.71</u>  | <u>4.33</u>    | <u>33.96</u>  |
| October ..... | <u>6.52</u>  | <u>4.00</u>  | <u>1.08</u>  | <u>4.17</u>  | <u>2.08</u>  | <u>3.23</u>  | <u>3.83</u>  | <u>2.80</u>  | <u>5.15</u>  | <u>3.96</u>  | <u>5.56</u>    | <u>42.38</u>  |
| November...   | <u>3.06</u>  | <u>4.12</u>  | <u>1.58</u>  | <u>3.52</u>  | <u>3.44</u>  | <u>2.02</u>  | <u>3.92</u>  | <u>4.55</u>  | <u>5.16</u>  | <u>4.55</u>  | <u>4.80</u>    | <u>40.72</u>  |
| December...   | <u>5.29</u>  | <u>2.90</u>  | <u>2.47</u>  | <u>4.25</u>  | <u>3.88</u>  | <u>4.08</u>  | <u>1.21</u>  | <u>2.85</u>  | <u>3.65</u>  | <u>7.08</u>  | <u>2.93</u>    | <u>40.59</u>  |
| TOTALS...     | <u>41.01</u> | <u>32.13</u> | <u>31.39</u> | <u>42.14</u> | <u>39.72</u> | <u>35.94</u> | <u>34.68</u> | <u>34.63</u> | <u>41.47</u> | <u>34.75</u> | <u>36.84</u>   | <u>404.70</u> |
|               | <u>0</u>     | <u>2</u>     | <u>0</u>     | <u>0</u>     | <u>0</u>     | <u>0</u>     | <u>0</u>     | <u>0</u>     | <u>0</u>     | <u>0</u>     | <u>0</u>       | <u>100</u>    |

1920. Obs. 30 ft. L.H. 170 ft. N.

1930 } figures obtained by means, van-fall from mid-angle to mid-angle

1924 } graduated glass measure, in the middle way.

1922 } — do —

1925 } — do —

1926 } not printed, recorder, low.

1927 } Inspected by W. Sullivan. Krip edge etc. see green file

1928 } new 8" gauge M0264 &amp; tapered measure M0744

1929 } N.P. — recorder.

1930 } N.P. — recorder.

1931 } N.P. — recorder.

1932 } N.P. — recorder.

1930. n.p. check.

Position 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 | Parish Church. | Distance from gauge | Direction |
|-------|--------------------|-------------------|------------------|---------------------|-----------|----------------|---------------------|-----------|
|       | <u>54° 37' 20"</u> | <u>5° 04' 15"</u> |                  |                     |           |                |                     |           |
|       |                    |                   |                  |                     |           | <u>000416</u>  |                     |           |

RAINFALL at Belfast (Sewage Works)County of AntrimObserver R. B. Donald, G.C.River Basin 1-Belfast LoughType of Gauge M.O.Annual Average 35.8 in. based on 35 years obs. un-weighted. Period of average Ref.

7.764157/27

| Diameter  | 8"    |       |       |       |       |       |       |       |       |       |       |             |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------------|
| Height    | 1' 0" |       |       |       |       |       |       |       |       |       |       |             |
| Altitude  | 26'   |       |       |       |       |       |       |       |       |       |       |             |
| Year      | 1931  | 1932  | 1933  | 1934  | 1935  | 1936  | 1937  | 1938  | 1939  | 1940  | Means |             |
| January   | 3.17  | 2.70  | 1.84  | 3.00  | 1.50  | 6.21  | 5.71  | 4.62  | 4.99  | 5.47  |       | Total 39.21 |
| February  | 2.82  | 1.1   | 3.42  | 2.0   | 1.09  | 2.32  | 6.57  | 1.63  | 2.95  | 3.18  |       | 27.29       |
| March     | 1.24  | 1.74  | 2.91  | 2.28  | 1.41  | 2.85  | 4.57  | 1.23  | 3.75  | 4.45  |       | 26.23       |
| April     | 2.93  | 3.20  | 1.10  | 3.22  | 2.63  | 1.16  | 2.34  | 2.6   | 2.45  | 4.14  |       | 23.43       |
| May       | 3.82  | 2.47  | 2.31  | 3.06  | 1.01  | 1.70  | .99   | 2.40  | .72   | 1.40  |       | 14.38       |
| June      | 4.85  | 1.07  | 2.71  | 2.21  | 1.23  | 4.44  | 2.93  | 4.43  | 1.82  | 1.12  |       | 29.81       |
| July      | 3.04  | 4.36  | 2.64  | 3.53  | .71   | 5.98  | 3.12  | 4.18  | 5.32  | 4.58  |       | 37.46       |
| August    | 2.89  | 1.94  | 2.19  | 4.91  | 2.38  | 2.73  | 2.80  | 2.45  | 1.59  | .72   |       | 24.60       |
| September | 1.54  | 3.32  | .66   | 4.52  | 3.91  | 4.17  | 2.56  | 2.73  | 2.67  | 2.17  |       | 28.25       |
| October   | 2.06  | 3.34  | 2.59  | 4.10  | 5.27  | 2.92  | 3.04  | 7.32  | 2.34  | 5.28  |       | 38.26       |
| November  | 5.82  | 1.97  | 1.39  | .89   | 4.76  | 4.43  | 1.82  | 3.80  | 5.79  | 5.89  |       | 36.56       |
| December  | 2.55  | 5.44  | 1.72  | 6.93  | 4.19  | 3.21  | 4.93  | 4.39  | 2.80  | 4.69  |       | 40.25       |
| TOTALS    | 36.73 | 31.66 | 25.48 | 38.85 | 36.09 | 42.12 | 41.38 | 39.44 | 37.19 | 43.09 |       | 372.03      |

Inspector 27/4/34. O.K. Suggester bottle should be used. Bottle returned 2/3/34

1933 Wilson gauge 2' 10" high 9' 6" W.

Wedge 4' 6" " 30' S.E.

" 4' 6" " 18' N.E.

\* Used in general tables in italics. Origin unknown S.W.

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

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

RAINFALL at Belfast (Sewage Works) Station No. 6214 41  
 County of Antium Observer R.B. Donald Enl. 1945  
 River Basin Belfast Lough City Surveyor  
 Type of Gauge M.O.

Annual Average 25.3 in. based on        years obs. un-weighted. Period of average        Ref.       

File No. 7041.57/27

| Diameter  | 8"    |       |       | 962   | 133   |       |       |       |       |       |       |              |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------------|
| Height    | 1'0"  |       |       |       | 1     |       |       |       |       |       |       |              |
| Altitude  | 26'   |       |       |       | 41    |       |       |       |       |       |       |              |
| Year      | 1941  | 1942  | 1943  | 1944  | 1945  | 1946  | 1947  | 1948  | 1949  | 1950  | Means |              |
| January   | 3.85  | 6.45  | 5.84  | 3.60  | 3.87  | 4.39  | 4.55  | 7.42  | 2.93  | 1.75  |       | Totals 44.65 |
| February  | 3.78  | 2.79  | 1.77  | 1.87  | 3.80  | 2.85  | 1.44  | 2.00  | 1.62  | 3.53  |       | 25.15        |
| March     | 4.40  | 2.70  | .93   | .56   | 1.50  | 2.13  | 5.63  | 2.35  | 2.15  | 1.45  |       | 23.80        |
| April     | 2.93  | 2.41  | 3.07  | 2.46  | 1.87  | .72   | 4.07  | 1.67  | 2.04  | 4.01  |       | 25.25        |
| May       | 2.26  | 3.21  | 4.34  | 1.44  | 4.02  | 1.19  | 4.21  | 2.04  | 1.70  | 1.43  |       | 25.74        |
| June      | 0.28  | .41   | 3.18  | 2.27  | 3.82  | 3.00  | 3.58  | 3.89  | .62   | 2.30  |       | 23.35        |
| July      | 3.51  | 3.23  | 1.79  | 4.37  | 4.06  | 3.10  | 3.94  | 2.38  | 2.61  | 5.37  |       | 30.36        |
| August    | 3.43  | 4.30  | 5.31  | 2.91  | 1.42  | 5.02  | .32   | 4.39  | 3.60  | 5.23  |       | 35.93        |
| September | 2.04  | 4.40  | 2.52  | 5.52  | 3.18  | 6.19  | 2.54  | 4.24  | 2.59  | 6.95  |       | 60.17        |
| October   | 6.10  | 3.53  | 3.30  | 4.71  | 4.17  | 1.43  | 1.48  | 2.96  | 5.08  | 2.74  |       | 35.50        |
| November  | 4.70  | .59   | 2.65  | 5.27  | 1.55  | 4.57  | 5.22  | 2.93  | 3.01  | 2.98  |       | 33.47        |
| December  | 1.66  | 5.29  | 2.78  | 4.40  | 3.92  | 4.14  | 2.76  | 5.24  | 4.53  | 2.68  |       | 37.40        |
| TOTALS    | 38.94 | 39.31 | 37.48 | 39.08 | 37.18 | 38.73 | 39.74 | 41.51 | 33.48 | 40.42 |       | 384.87       |

1942 Wilson gauge 2'10" high 9'6" W. Hedge 4'6" high 30' S.E. Hedge 4'6" high 18' N.E.

\* Used in general tables in italics. Origin unknown. E.W.

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. |
|-------|---------|-------|------------------|---------------------|----------------------|----------------|----------------------|-----------------------|
|       |         |       |                  |                     |                      |                |                      |                       |

