

RAINFALL AT Thoon, Collman ReservoirLat.  $55^{\circ} 33' 6''$ Lon.  $4^{\circ} 57' 6''$ County of AyrRain Gauge, by J. A. D. H. H. H.  
Edin.Observer A. Simpson

3. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31.

|               |      |      |      |      |      |       |       |       |       |       |        |
|---------------|------|------|------|------|------|-------|-------|-------|-------|-------|--------|
| Diameter .... |      |      |      |      |      | 11.8  |       |       |       |       |        |
| Height .....  |      |      |      |      |      | 0.10  |       |       |       |       |        |
| Altitude .... |      |      |      |      |      | 203   |       |       |       |       |        |
| Year .....    | 1890 | 1891 | 1892 | 1893 | 1894 | 1895  | 1896  | 1897  | 1898  | 1899  | MEANS. |
| January ....  |      |      |      |      |      | .77   | 1.97  | 1.18  | 2.30  | 4.40  |        |
| February .... |      |      |      |      |      | .15   | 1.95  | 2.00  | 4.20  | 1.30  |        |
| March .....   |      |      |      |      |      | 2.45  | 4.02  | 3.65  | 1.50  | 3.30  |        |
| April .....   |      |      |      |      |      | 1.55  | 2.13  | 1.88  | 2.30  | 3.60  |        |
| May .....     |      |      |      |      |      | .08   | 1.22  | 1.60  | 2.30  | 4.30  |        |
| June .....    |      |      |      |      |      | 1.45  | 4.20  | 6.00  | 2.90  | 1.70  |        |
| July .....    |      |      |      |      |      | 4.77  | 5.23  | 1.90  | 1.30  | 3.70  |        |
| August .....  |      |      |      |      |      | 5.20  | 2.05  | 3.70  | 5.40  | 2.10  |        |
| September.... |      |      |      |      |      | .68   | 4.90  | 3.50  | 4.00  | 4.10  |        |
| October.....  |      |      |      |      |      | 3.62  | 3.43  | 1.60  | 3.50  | 3.20  |        |
| November....  |      |      |      |      |      | 3.83  | 1.38  | 2.80  | 6.20  | 5.50  |        |
| December .... |      |      |      |      |      | 3.88  | 4.67  | 4.90  | 4.40  | 4.80  |        |
| TOTALS . . .  |      |      |      |      |      | 28.43 | 37.15 | 34.71 | 40.30 | 42.00 |        |

1895-1918 read. 18.2.20. Field-X.1.22

Thoon G.C.S.W.Ry. station 2 miles S.W.Thoon + 2 miles S.W.N.B. annual values rejected from Survey Map, 1929.

RAINFALL at Iron, Colleen Res.County of Ayr.Observer Adam Simpson, Esq. C.E.River Basin Irvine FC - 3.Rain Gauge, by Jas. Milne & Co.

|               |       |       |       |       |       |       |       |       |       |       |        |  |
|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--|
| Diameter ...  | 11.28 |       |       |       |       |       |       |       |       |       |        |  |
| Height .....  | 0.10  |       |       |       |       |       |       |       |       |       |        |  |
| Altitude..... | 203   |       |       |       |       |       |       |       |       |       |        |  |
| Year .....    | 1900  | 1901  | 1902  | 1903  | 1904  | 1905  | 1906  | 1907  | 1908  | 1909  | MEANS. |  |
| January.....  | 6.40  | 2.10  | 3.70  | 5.50  | 3.20  | 3.60  | 4.60  | 3.60  | 5.50  | 1.00  |        |  |
| February ...  | 2.20  | 1.00  | 1.70  | 2.40  | 2.30  | 3.00  | 3.50  | 3.80  | 1.80  | 2.50  |        |  |
| March .....   | 2.00  | 1.80  | 2.40  | 6.27  | 1.70  | 3.90  | 3.00  | 4.20  | 3.10  | 2.00  |        |  |
| April .....   | 1.90  | 2.70  | .80   | 1.50  | 1.50  | 1.80  | 1.00  | 3.00  | 1.00  | 3.80  |        |  |
| May .....     | 2.20  | 1.50  | 2.40  | 3.50  | 2.70  | 1.90  | 4.40  | 1.30  | .10   | 1.40  |        |  |
| June .....    | 2.70  | 2.80  | 1.70  | 3.40  | 1.90  | 1.50  | 1.30  | 2.60  | 2.50  | 3.90  |        |  |
| July .....    | 2.00  | 1.20  | 2.60  | 3.40  | 2.70  | 3.20  | 3.10  | 2.00  | 2.70  | 3.70  |        |  |
| August .....  | 5.40  | 5.20  | 2.70  | 5.50  | 5.60  | 4.40  | 5.60  | 1.20  | 3.80  | 2.70  |        |  |
| September...  | 3.10  | 3.10  | 3.00  | 3.00  | 3.80  | 3.40  | 1.90  | 1.30  | 2.90  | 1.80  |        |  |
| October.....  | 5.80  | 4.20  | 1.90  | 6.70  | 1.60  | 4.00  | 5.50  | 6.70  | 1.00  | 5.80  |        |  |
| November...   | 4.80  | 4.50  | 3.00  | 3.20  | 4.00  | 3.10  | 3.50  | 3.70  | 3.60  | 1.60  |        |  |
| December ...  | 5.10  | 4.90  | 2.10  | 2.90  | 2.30  | 3.90  | 4.40  | 4.50  | 1.20  | 4.20  |        |  |
| TOTALS ...    | 43.60 | 35.00 | 28.00 | 47.27 | 33.30 | 37.70 | 41.80 | 37.90 | 29.20 | 34.40 |        |  |

1895-1918 med 18.2.20. Rem. x 22

N.B. Annual values rejected from Survey Map, 1929.

| Date.   | Lat. N.     | Long. W   | Railway Station. | Distance.   | Direction. | Church.     | Distance.       | Direction. |
|---------|-------------|-----------|------------------|-------------|------------|-------------|-----------------|------------|
| 1900-09 | 55° 33' 52" | 4° 57' 6" | <u>Iron</u>      | <u>2 mi</u> | <u>SW.</u> | <u>Iron</u> | <u>2 1/2 mi</u> | <u>SW.</u> |

RAINFALL at Troon Colleen ReservoirCounty of AyrshireObserver Adam Simpson Esq., C.E.River Basin Irish C. S.Rain Gauge, by Michael L. Edin.

|               |       |       |       |       |       |       |       |       |       |        |        |
|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|
| Diameter ...  |       |       |       |       |       |       |       |       |       |        | 11.28  |
| Height .....  |       |       |       |       |       |       |       |       |       |        | 0.10   |
| Altitude..... |       |       |       |       |       |       |       |       |       |        | 203    |
| Year .....    | 1910  | 1911  | 1912  | 1913  | 1914  | 1915  | 1916  | 1917  | 1918  | 1919   | MEANS. |
| January.....  | 2.50  | 2.40  | 1.70  | 2.40  | 3.10  | 3.80  | 3.60  | 3.10  | 2.90  | 3.00   |        |
| February ...  | 4.40  | 5.00  | 2.60  | 2.20  | 2.60  | 2.30  | 4.50  | 1.40  | 4.50  | .60    |        |
| March .....   | 1.20  | 1.00  | 4.60  | 2.90  | 3.40  | 1.90  | .60   | 1.90  | .70   | 1.40   |        |
| April .....   | 3.00  | 3.10  | 2.00  | 2.00  | 2.00  | 2.10  | 3.20  | 1.50  | .40   | 1.70   |        |
| May .....     | 2.30  | 2.40  | 1.10  | 1.10  | 1.50  | 1.10  | 3.60  | 3.10  | 2.70  | 1.00   |        |
| June .....    | 1.20  | 2.10  | 3.90  | 3.90  | .50   | 1.90  | 1.40  | 2.80  | .80   | 4.70   |        |
| July .....    | 3.80  | 2.40  | 2.20  | 1.40  | 2.20  | 4.50  | 3.40  | 1.30  | 1.50  | .60    |        |
| August .....  | 6.70  | 2.50  | 2.20  | 2.20  | 3.70  | 2.50  | 3.70  | 2.70  | 2.20  | 1.20   |        |
| September...  | 2.10  | 1.90  | 3.10  | 3.10  | 2.70  | 1.30  | 1.10  | 2.50  | 5.00  | 2.10   |        |
| October.....  | 1.40  | 2.60  | 4.30  | 4.30  | 2.70  | 1.65  | 5.00  | 5.30  | 3.80  | .90    |        |
| November...   | 4.70  | 4.50  | 3.40  | 3.40  | 4.90  | 1.80  | 2.08  | 6.10  | 2.20  | 2.40   |        |
| December...   | 3.50  | 4.90  | 5.20  | 5.20  | 3.50  | 4.50  | 3.05  | 2.40  | 2.70  | 2.80   |        |
| TOTALS ...    | 36.50 | 34.80 | 36.30 | 34.10 | 32.80 | 29.35 | 35.29 | 34.10 | 29.40 | 22.40? |        |

1895-1918 incl. 19220 End x.22.N.B. Annual values rejected from Survey Mch. 1929

| Date. | Lat. N.   | Long. W. | Railway Station. | Distance. | Direction. | Church. | Distance. | Direction. |
|-------|-----------|----------|------------------|-----------|------------|---------|-----------|------------|
| 1919. | 55°33'52" | 4°37'6"  | Troon G.C.W.     | 2 mi      | SW         | Troon   | 2 1/2 mi  | SW         |



RAINFALL at Groon (Edlennen Reservoir)County of Leff.Observer Adam Simpson, Esq. R.E.River Basin 3 Irvine R.C.

(1927) M.S. Brodie Esq.

1922 Snowdon Rain Gauge, by Edlennen  
Edl.Water Eng. Irvine

|               |       |      |         |       |      |      |       |       |       |       |       |        |
|---------------|-------|------|---------|-------|------|------|-------|-------|-------|-------|-------|--------|
| Diameter ...  | 11    |      |         |       |      |      | 5     |       |       |       |       |        |
| Height .....  | 0.10  |      |         |       |      |      | 1.0   |       |       |       |       |        |
| Altitude ...  | 203   |      |         |       |      |      | 203   |       |       |       |       |        |
| Year .....    | 1920  | 1921 | 1922    | 1923  | 1924 | 1925 | 1926  | 1927  | 1928  | 1929  | 1930. | MEANS. |
| January ...   | 2.80  | 4.50 | 2.20    | 2.00  |      |      | 3.81  | 4.80  | 5.96  | 1.82  | 4.74  |        |
| February ...  | 2.53  | .90  | 3.10    | 2.60  |      |      | 4.23  | 1.77  | 2.29  | 2.24  | 1.8   |        |
| March .....   | 2.80  | 3.60 | 1.00    | 0.60  |      |      | 1.98  | 2.21  | 1.58  | 1.10  | 2.24  |        |
| April .....   | 1.60  | .40  | (2.50)  | 2.10  |      |      | 2.12  | 2.64  | 1.05  | 1.09  | 1.85  |        |
| May .....     | 3.00  | 1.80 | (3.50)  | 1.00  |      |      | 2.23  | 1.90  | 1.96  | 2.32  | 1.41  |        |
| June .....    | 2.80  | 1.00 | 2.00    | 0.90  |      |      | .92   | 4.25  | 4.59  | 3.04  | 2.87  |        |
| July .....    | 2.40  | 2.80 | 3.50    | 2.40  |      |      | 3.32  | 3.60  | 1.86  | 4.66  | 1.99  |        |
| August .....  | 4.90  | 5.20 | 3.00    | 3.90  |      |      | 3.16  | 3.00  | 3.77  | 5.66  | 5.14  |        |
| September...  | 2.00  | 1.80 | 1.20    | 5.40  |      |      | 2.99  | 5.65  | 3.68  | 1.09  | 3.26  |        |
| October ..... | 1.70  | 3.90 | 1.80    | 2.70  |      |      | 4.49  | 4.58  | 5.61  | 4.69  | 5.89  |        |
| November...   | 1.50  | 2.10 | 2.40    | 2.20  |      |      | 2.74  | 3.68  | 4.05  | 5.65  | 5.28  |        |
| December...   | 2.40  | 4.20 | 2.30    | 2.80  |      |      | 1.20  | .77   | 2.15  | 9.06  | 3.43  |        |
| TOTALS...     | 30.40 | 2.30 | (28.50) | 28.60 |      |      | 33.19 | 38.85 | 32.55 | 42.42 | 38.28 |        |

1922. April &amp; May partly catch. Severe loss but was repaired to base.

1923. Increased loss.

Site inspected by Dr. Glasgow 14.9.29.

N.B. Annual values rejected from Survey Month 1929.

Position of Station on reduced Ordnance Survey } No. of Map

Map, 2 miles to 1 inch Series

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°32'2" | 4°37'6"  | Groon. L.M.S. 2 m. |                     | S.W.                 | Groon.         | 2 1/2               | S.W.                 |

RAINFALL at Loon (Coleman Reservoir)County of Agf.Observer M. S. Brodie, C.E. Eng.River Basin 3- Irvine &c.

Type of Gauge

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

|           |       |       |       |       |       |       |       |       |       |       |       |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Diameter  | 5"    |       |       |       |       |       |       |       |       |       |       |
| Height    | 1' 0" |       |       |       |       |       |       |       |       |       |       |
| Altitude  | 203'  |       |       |       |       |       |       |       |       |       |       |
| Year      | 1931  | 1932  | 1933  | 1934  | 1935  | 1936  | 1937  | 1938  | 1939  | 1940  | Means |
| January   | 4.20  | 5.11  | 3.06  | 3.94  | 2.31  | 4.16  | 3.26  | 4.97  | 3.67  | 3.64  |       |
| February  | 3.58  | 1.05  | 2.94  | 5.58  | 4.56  | 1.53  | 4.24  | 1.48  | 4.01  | 1.38  |       |
| March     | 8.7   | 2.49  | 2.30  | 2.45  | 2.00  | 1.95  | 0.74  | 2.97  | 3.04  | 4.33  |       |
| April     | 1.98  | 3.04  | 2.04  | 2.65  | 2.78  | 88    | 1.78  | .32   | 1.92  | 2.56  |       |
| May       | 2.78  | 3.05  | 2.43  | 3.09  | .71   | 2.25  | 1.38  | 3.53  | 91    | 1.29  |       |
| June      | 5.27  | 1.59  | 2.13  | 2.73  | 3.40  | 1.59  | 4.37  | 4.01  | 2.32  | 1.04  |       |
| July      | 5.64  | 4.03  | 3.28  | 2.40  | 1.46  | 5.20  | 5.61  | 4.61  | 5.02  | 3.32  |       |
| August    | 2.25  | 1.77  | 2.81  | 3.21  | 1.59  | 4.70  | 2.87  | 2.44  | 2.76  | 2.06  |       |
| September | 1.14  | 5.71  | 1.04  | 4.65  | 5.05  | 3.41  | 2.22  | 3.76  | 2.29  | 4.77  |       |
| October   | 2.94  | 5.52  | 2.41  | 6.65  | 7.95  | 4.50  | 3.69  | 8.27  | 1.85  | 3.83  |       |
| November  | 6.84  | 3.35  | 2.05  | .92   | 3.96  | 3.99  | 0.58  | 5.16  | 7.29  | 4.55  |       |
| December  | 3.39  | 6.32  | 1.41  | 4.77  | 3.49  | 5.16  | 2.68  | 2.13  | 1.45  | 4.75  |       |
| TOTALS    | 40.88 | 41.97 | 27.90 | 38.04 | 39.26 | 39.32 | 33.42 | 43.65 | 36.53 | 37.52 |       |

new gauge 1926, records 1931 + 1932 mean reasonable 11.12.33.

Annual Average 31.8" rejected from survey as 5" too low.

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. |         |       | Loon L.M.S.      | 2 mls.              | S.W.                 | Loon           | 2 1/2 mls.          | S.W.                 |

RAINFALL at Troon (Collenar Res')

Station No.

5227

41

County of

Ayr

Observer

The Town Council

River Basin

3 - Irvine & C.(W.S. Brodie Esq.)

Type of Gauge

Burgh Surveyors

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

File No.

| Diameter  | 5"    |       |       |       | 645   | 776   |       |               |            |            |       |
|-----------|-------|-------|-------|-------|-------|-------|-------|---------------|------------|------------|-------|
| Height    | 1'0"  |       |       |       |       | 1     |       |               |            |            |       |
| Altitude  | 203'  |       |       |       |       | 41    |       |               |            |            |       |
| Year      | 1941  | 1942  | 1943  | 1944  | 1945  | 1946  | 1947  | 1948          | 1949       | 1950       | Means |
| January   | 0.56  | 4.79  | 3.74  | 3.83  | 2.60  | 3.42  | 2.44  | (2.20)        | 5.38       | 2.08       |       |
| February  | 1.65  | 1.58  | 4.15  | 1.48  | 4.71  | 2.55  | .33   | (2.40)        | 3.38       | 3.25       |       |
| March     | 2.50  | 1.81  | 1.80  | .53   | 2.11  | 1.81  | 2.30  | (6.60)        | 2.30       | 2.40       |       |
| April     | 1.70  | 1.88  | 2.72  | 2.92  | 1.88  | 1.49  | 3.56  | (2.40)        | 3.77       | 2.40       |       |
| May       | 3.11  | 2.41  | 3.34  | 2.22  | 4.05  | 1.06  | 4.49  | (1.40)        | 2.03       | 1.63       |       |
| June      | 1.36  | 1.80  | 4.80  | 3.28  | 3.28  | 2.41  | 4.31  | (6.20)        | 1.28       | 2.26       |       |
| July      | 3.99  | 3.28  | 1.75  | 3.18  | 3.06  | 3.24  | 3.71  | (3.70)        | 2.12       | 5.11       |       |
| August    | 4.25  | 4.10  | 5.83  | 3.69  | 2.02  | 1.69  | .17   | (6.50)        | 4.76       | 4.44       |       |
| September | 1.88  | 4.88  | 2.10  | 4.79  | 3.64  | 6.07  | 4.41  | (6.40)        | 1.26       | 7.53       |       |
| October   | 3.92  | 4.70  | 5.79  | 4.55  | 4.48  | .71   | 1.78  | 4.79          | 5.42       | 2.88       |       |
| November  | 2.44  | .42   | 2.82  | 4.66  | .89   | 4.69  | 5.94  | 3.30          | 4.40       | 2.29       |       |
| December  | 1.93  | 3.93  | 2.11  | 4.13  | 2.33  | 3.22  | 2.03  | 5.33          | 6.94       | 1.06       |       |
| TOTALS    | 29.32 | 35.58 | 40.95 | 39.26 | 35.05 | 32.36 | 35.47 | 53.22<br>Imp. | 43.04<br>D | 37.23<br>D |       |

1950 Nov 4<sup>th</sup> Est. Rec. Est. for snow

97764

Oct. 3/67

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  |         |       | Troon L.M.S.     | 2 1/2               | SW                   | Troon          | 2 1/2                | SW.                   |

BRITISH RAINFALL ORGANIZATION



Station No. 5227

RAINFALL at Troon (L. deeanan Res.)

51

County of AyrshireObserver Bunge SurveyorRiver Basin 3-Drumell

Type of Gauge.....

Annual Average.....in. based on.....years obs. un-weighted. Period of average.....Ref.  
" " 38.51 " " 29 " 1929-59. " " 1716-30 45  
File No. ....

|               |       |       |       |       |       |       |       |       |       |       |       |  |
|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| Diameter ...  | 5"    |       |       |       | 645   | 776   |       |       |       |       |       |  |
| Height ...    | 1' 0" |       |       |       |       | 1     |       |       |       |       |       |  |
| Altitude ...  | 203'  |       |       |       |       | 51    |       |       |       |       |       |  |
| Year ...      | 1951  | 1952  | 1953  | 1954  | 1955  | 1956  | 1957  | 1958  | 1959  | 1960  | Means |  |
| January ...   | 3.78  | 3.87  | 1.88  | 3.57  | 2.35  | 2.42  | 3.94  | 3.65  | 1.69  | 5.11  |       |  |
| February ...  | 2.26  | 1.28  | 1.16  | 2.60  | 1.27  | 1.04  | 2.36  | 3.58  | 1.65  | 2.86  |       |  |
| March ...     | 2.39  | 1.70  | .66   | 1.84  | 1.01  | 1.55  | 4.14  | 1.05  | 1.99  | 2.51  |       |  |
| April ...     | 1.88  | .94   | .96   | .80   | 2.48  | .87   | 2.47  | 1.19  | 2.19  | 2.69  |       |  |
| May ...       | 1.80  | 1.77  | 1.77  | 1.94  | 2.64  | 1.44  | 2.12  | 2.67  | 1.02  | 1.63  |       |  |
| June ...      | 1.89  | 2.57  | 1.28  | 2.93  | 2.45  | 1.94  | 2.25  | 2.51  | 3.47  | 2.17  |       |  |
| July ...      | 2.40  | 2.64  | 3.58  | 3.76  | 1.81  | 4.74  | 3.96  | 5.13  | 5.10  | 3.22  |       |  |
| August ...    | 3.46  | 4.34  | 2.46  | 4.25  | 1.58  | 6.58  | 3.72  | 4.29  | .52   | 4.00  |       |  |
| September ... | 3.19  | 3.02  | 3.27  | 4.31  | 3.60  | 3.50  | 3.58  | 3.24  | 1.43  | 2.96  |       |  |
| October ...   | 2.59  | 3.08  | 2.74  | 8.30  | 2.02  | 2.53  | 4.52  | 3.43  | 5.31  | 2.36  |       |  |
| November ...  | 4.71  | 2.22  | 4.50  | 4.25  | 1.44  | 1.32  | 1.71  | 1.65  | 4.33  | 4.60  |       |  |
| December ...  | 5.17  | 3.28  | 3.68  | 3.89  | 4.87  | 4.27  | 3.02  | 4.63  | 4.90  | 4.48  |       |  |
| TOTALS ...    | 33.52 | 30.71 | 27.94 | 42.44 | 27.02 | 32.20 | 37.19 | 37.06 | 33.60 | 38.59 |       |  |
|               | D     | D     | D     | d.    | D     | D     | D     | D     | X d   | X d   |       |  |

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference NS(26)350331

| Date. | Lat. N. | Long. | Railway Station. | Distance Direction from gauge | Parish Church. | Distance Direction from gauge. |
|-------|---------|-------|------------------|-------------------------------|----------------|--------------------------------|
| 1952  |         |       | Troon            | 2nd. SW                       | Troon          | 2 1/2nd. SW                    |

Summary of Earlier Records from 10-year Sheets :

| Record D, or d | 1910-19 | 1920-30           | 1931-40 | 1941-50      | 1951-60 |
|----------------|---------|-------------------|---------|--------------|---------|
|                | ✓       | ✓ NR 24-25 N. 123 | ✓       | N.p. 48      |         |
|                | -       | -                 | -       | - 64.3 49.50 |         |