

Carlisle,
RAINFALL AT Goldstream Reservoir

Lat. _____ Lon. _____ County of Lanark.

Rain Gauge, by _____ Observer W. Ross Esq CE
Clyde, R. bank - Lt.

| | | | | | | | | | | | |
|---------------|------|------|------|------|------|---------|-------|-------|-------|-------|--------|
| Diameter | | | | | | | | | | | |
| Height | | | | | | | | | | | |
| Altitude | | | | | | | | | | | |
| Year | 1890 | 1891 | 1892 | 1893 | 1894 | 1895 | 1896 | 1897 | 1898 | 1899 | MEANS. |
| January | | | | | | | 2.40 | .40 | 1.65 | 4.10 | |
| February | | | | | | (150) | 1.70 | 2.90 | 2.30 | 1.65 | |
| March | | | | | | 1.35 | 3.45 | 4.35 | 1.55 | .45 | |
| April | | | | | | 1.35 | 1.50 | 2.05 | 3.00 | 4.85 | |
| May | | | | | | .80 | 1.40 | 2.45 | 2.35 | 3.35 | |
| June | | | | | | 1.40 | 4.30 | 5.80 | 2.25 | .55 | |
| July | | | | | | 4.10 | 4.50 | 2.30 | 1.10 | 5.10 | |
| August | | | | | | 6.75 | 3.55 | 3.65 | 2.55 | .10 | |
| September.... | | | | | | 1.35 | 4.00 | 3.25 | 4.15 | 3.70 | |
| October | | | | | | 3.90 | 4.70 | 2.10 | 3.05 | 1.85 | |
| November.... | | | | | | 4.20 | 1.30 | 2.20 | 4.60 | 4.70 | |
| December | | | | | | 3.10 | 4.20 | 6.25 | 4.05 | 2.55 | |
| TOTALS . . . | | | | | | (29.80) | 37.00 | 37.70 | 32.60 | 32.95 | |

Back years '95-'10 received and entered Dec. 1911.
1895 Jan - Feb est. 41.11

Carlisle,
RAINFALL AT Coldstream Reservoir

Lat. _____ Lon. _____ County of Lanark
Rain Gauge, by _____ Observer W. Ross. Esq. &c.

Ch. de R. bank - Lt.

| | | | | | | | | | | | |
|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| Diameter ... | | | | | | | | | | | |
| Height | | | | | | | | | | | |
| Altitude ... | | | | | | | | | | | |
| Year ... | 1900 | 1901 | 1902 | 1903 | 1904 | 1905 | 1906 | 1907 | 1908 | 1909 | MEANS. |
| January ... | 3.75 | 1.05 | 2.95 | 4.90 | 3.25 | .80 | 2.50 | 1.65 | 2.90 | 4.35 | |
| February ... | 1.85 | .10 | .40 | 4.75 | 1.85 | 1.30 | 2.05 | 1.95 | 2.40 | 2.40 | |
| March | 1.55 | 1.50 | 2.90 | 6.55 | 1.10 | 3.25 | 3.45 | 1.35 | 3.45 | 2.40 | |
| April | 2.40 | 1.65 | 1.40 | 1.75 | 3.40 | 3.40 | 1.05 | 1.35 | 1.50 | 2.15 | |
| May | 1.80 | .70 | 2.25 | 1.85 | 3.05 | 1.05 | 3.75 | 2.85 | 3.30 | 2.85 | |
| June | 3.95 | 3.80 | 2.30 | 1.45 | 1.65 | 1.10 | 2.85 | 4.35 | 1.95 | 3.25 | |
| July | 3.00 | 1.25 | 2.30 | 4.00 | 2.75 | 2.20 | 2.00 | 2.65 | 2.20 | 4.70 | |
| August | 4.60 | 4.00 | 2.65 | 5.35 | 3.60 | 4.25 | 6.15 | 4.70 | 2.45 | 2.15 | |
| September .. | 2.70 | 1.50 | 1.90 | 3.30 | 1.85 | 2.40 | 1.20 | 1.50 | 4.55 | 1.90 | |
| October ... | 6.00 | 2.85 | 1.50 | 6.75 | 1.90 | 2.00 | 5.55 | 7.55 | .80 | 6.30 | |
| November .. | 5.70 | 4.80 | 1.45 | 2.65 | 1.90 | 2.10 | 4.60 | 2.00 | 2.05 | .55 | |
| December ... | 6.30 | 1.30 | 2.55 | 2.45 | 3.25 | 3.35 | 3.35 | 4.05 | 2.00 | 2.95 | |
| TOTALS ... | 43.60 | 24.50 | 24.55 | 45.75 | 29.55 | 27.20 | 38.50 | 35.95 | 29.55 | 36.95 | |

Back years '95-'10 received and entered Dec. 1911.

Carluke,
RAINFALL at Coldstream Reservoir

County of Lanark Observer W. Ross Esq. C.E.

River Basin Clyde-right bank trib 4.

Rain Gauge, by _____

| | | | | | | | | | | | |
|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| Diameter ... | | 11 | | | | | | | | | |
| Height | | 10 | | | | | | | | | |
| Altitude ... | | 800? | | | | | | | | | |
| Year ... | 1910 | 1911 | 1912 | 1913 | 1914 | 1915 | 1916 | 1917 | 1918 | 1919 | MEANS. |
| January ... | 4.25 | 1.95 | 1.85 | 2.80 | 3.20 | 2.00 | 4.25 | 2.20 | 3.00 | 4.00 | 2.950 |
| February ... | 5.25 | 4.30 | 2.30 | 2.20 | 3.55 | 3.95 | 4.50 | .90 | 4.30 | 1.30 | 3.255 |
| March | 1.90 | 2.90 | 3.25 | 3.90 | 4.35 | 2.00 | 2.70 | 2.10 | 1.00 | 2.45 | 2.655 |
| April | 3.60 | 2.50 | .90 | 3.20 | 1.50 | 2.20 | 2.85 | 2.65 | .80 | 3.25 | 2.345 |
| May | 1.55 | 1.90 | 1.80 | 3.55 | 2.10 | 1.35 | 4.75 | 2.05 | 2.40 | .75 | 2.220 |
| June | 2.55 | 1.15 | 5.10 | 2.75 | .90 | 1.30 | 4.30 | 3.05 | 1.20 | 2.45 | 2.475 |
| July | 3.35 | 2.75 | 2.55 | 1.15 | 3.30 | 4.65 | 3.95 | 1.85 | 3.10 | .65 | 2.730 |
| August | 3.85 | 1.00 | 4.65 | 1.40 | 3.40 | 3.75 | 4.95 | 4.90 | 2.50 | 2.75 | 3.315 |
| September .. | 2.10 | 2.55 | 3.05 | 1.90 | 1.50 | 1.50 | 2.05 | 2.40 | 5.90 | 4.10 | 2.705 |
| October ... | 1.65 | 1.30 | 3.40 | 3.85 | 1.55 | 2.55 | 6.25 | 5.00 | 4.40 | 2.35 | 3.230 |
| November .. | 3.30 | 7.50 | 3.10 | 3.05 | 4.05 | 1.85 | 4.00 | 4.65 | 2.85 | 3.30 | 3.765 |
| December ... | 2.90 | 4.60 | 6.50 | 2.95 | 4.25 | 4.95 | 3.75 | 2.60 | 3.30 | 5.10 | 4.090 |
| TOTALS ... | 36.25 | 34.40 | 38.45 | 32.70 | 33.65 | 32.05 | 48.30 | 34.35 | 34.75 | 32.45 | 35.735 |

Back years '75-'1910 received and entered Dec. 1911.

| Date. | Lat. N. | Long. | Railway Station. | Distance. | Direction. | Church. | Distance. | Direction. |
|-------|---------|-------|------------------|-----------|------------|---------|-----------|------------|
| | | | | | | | | |

RAINFALL at baslake (Goldstream Reservoir).County of Lancashire Observer W. Ross, Esq. F. C. E.River Basin 4 Clyde, R. bank. (1927) Levin Gostley Esq. F. C. E.(1926) Howard Rain Gauge, by Boro Esq. Motherwell

| | | | | | | | | | | | |
|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------------|
| Diameter ... | 11 | | | | | | | | | | |
| Height | 1.0 | | | | | | | | | | |
| Altitude ... | 800 | | | | | | | | | | |
| Year | 1920 | 1921 | 1922 | 1923 | 1924 | 1925 | 1926 | 1927 | 1928 | 1929 | 1930. MEAN. |
| January ... | 4.60 | 6.75 | 2.90 | 2.85 | 2.60 | 3.05 | 3.65 | 4.10 | 3.65 | 1.40 | 4.40 |
| February ... | 2.95 | 4.5 | 3.05 | 3.20 | 6.5 | 3.20 | 3.70 | 2.00 | 3.70 | 1.75 | 4.40 |
| March | 3.75 | 4.65 | 1.75 | 1.10 | 1.20 | 2.50 | 3.10 | 3.00 | 2.85 | 6.5 | 2.25 |
| April | 2.50 | 1.05 | 1.50 | 3.85 | 1.45 | 4.60 | 2.00 | 2.45 | 1.20 | 2.75 | 1.40 |
| May | 4.30 | 2.25 | 3.30 | 2.50 | 4.45 | 5.80 | 3.25 | 2.20 | 1.95 | 2.35 | 2.20 |
| June | 1.15 | .80 | 2.05 | 1.30 | 1.80 | .55 | 3.00 | 4.80 | 4.25 | 2.80 | 3.10 |
| July | 2.30 | 3.25 | 4.05 | 3.95 | 2.90 | 1.85 | 2.50 | 5.85 | 3.45 | 3.70 | 3.00 |
| August | 5.05 | 6.90 | 2.50 | 6.85 | 3.85 | 3.85 | 2.95 | 7.60 | 4.25 | 4.85 | 5.55 |
| September... | 3.15 | 2.65 | 2.00 | 4.70 | 4.15 | 3.60 | 3.25 | 6.45 | 2.70 | 1.00 | 2.85 |
| October | 1.20 | 4.60 | 1.60 | 4.25 | 3.55 | 2.35 | 5.85 | 4.85 | 5.50 | 4.15 | 4.60 |
| November... | 2.15 | 1.65 | 2.45 | 3.95 | 1.35 | .35 | 5.30 | 3.85 | 4.25 | 6.15 | 5.80 |
| December... | 2.65 | 4.70 | 3.00 | 3.20 | 3.95 | 3.30 | 1.25 | 1.45 | 2.05 | 6.85 | 2.60 |
| TOTALS... | 38.75 | 39.70 | 30.15 | 41.65 | 31.90 | 35.00 | 39.30 | 48.60 | 45.80 | 38.80 | 39.15 |

1923. Oct. & Nov. corr. for snow as suggested by H. O. Edin.

1925. Nov. seems low, - ref'd to Obs - who thinks it should stand, a. w.

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 from gauge | Parish Church. | Distance from gauge | Direction from gauge |
|-------|---------|--------|------------------|---------------------|----------------------|----------------|---------------------|----------------------|
| 1925 | 55° 44' | 3° 47' | baslake | 2 m | W. | baslake | 2 m | W. |

RAINFALL at Carluke (Goldstream Reservoir)County of LanarkObserver L. Bootley, G.E.River Basin H. Clyde - Right BankType of Gauge Standard

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

| | | | | | | | | | | | | |
|-----------|-----|-------|-------|-------|-------|-------|-------|-------|-------|------|------|-------|
| Diameter | ... | 11" | | | | | | | | | | |
| Height | ... | 1' 0" | | | | | | | | | | |
| Altitude | ... | 800' | | | | | | | | | | |
| Year | ... | 1931 | 1932 | 1933 | 1934 | 1935 | 1936 | 1937 | 1938 | 1939 | 1940 | Means |
| January | ... | 2.35 | 6.65 | 3.05 | 4.50 | 2.10 | 3.45 | 2.90 | 5.25 | | | |
| February | ... | 3.00 | 1.15 | 3.75 | 1.60 | 3.50 | 2.00 | 4.10 | 1.25 | | | |
| March | ... | 1.20 | 2.95 | 2.00 | 2.90 | 2.20 | 2.15 | 1.20 | 2.35 | | | |
| April | ... | 2.20 | 2.85 | 2.15 | 4.20 | 2.85 | .95 | 1.45 | .40 | | | |
| May | ... | 2.95 | 3.20 | 2.75 | 2.65 | 1.40 | .80 | 1.00 | 3.55 | | | |
| June | ... | 6.40 | 1.65 | 2.35 | 2.50 | 3.95 | 1.60 | 2.65 | 3.95 | | | |
| July | ... | 5.60 | 3.60 | 5.40 | 3.00 | 1.30 | 3.10 | 2.40 | 3.45 | | | |
| August | ... | 3.05 | 1.20 | 2.40 | 3.00 | 2.50 | 2.45 | 2.95 | 2.05 | | | |
| September | ... | 1.00 | 4.40 | 1.45 | 2.45 | 4.70 | 4.10 | 2.95 | 2.65 | | | |
| October | ... | 3.30 | 5.90 | 2.80 | 5.65 | 7.15 | 2.90 | 3.55 | 8.50 | | | |
| November | ... | 4.10 | 3.35 | 1.55 | 1.45 | 3.50 | 2.90 | 0.15 | 6.55 | | | |
| December | ... | 3.15 | 7.50 | .40 | 3.45 | 2.05 | 3.65 | 2.25 | 2.60 | # | | |
| TOTALS | ... | 41.30 | 43.40 | 30.05 | 36.35 | 36.20 | 30.05 | 27.60 | 42.55 | | | |
| | | M. | M. | M. | M. | M. | | | | | | |

Average computed 1/37 from records 1875-1932 registered from survey as 1" too low.

Inspected 2/11/37 at top of 212' bank, 11" gauge readings obs. by halving depth shown on slate rule.

Record discontinued 12/38

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. | | | Carluke | 2m. | W. | Carluke | 2m. | W. |

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

RAINFALL at CARLUKE (COLDSTREAM RESERVOIR) new.g.County of LANARKObserver L. Costley Esq. J.E.River Basin A - Clyde - Right Bank.

Type of Gauge.....

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

| | | | | | | | | | | | |
|-----------------|------|------|------|------|------|------|------|-------|-------|-------|-------|
| Diameter | | | | | | | | 5" | | | |
| Height | | | | | | | | 1' | | | |
| Altitude | | | | | | | | 800' | | | |
| Year | 1931 | 1932 | 1933 | 1934 | 1935 | 1936 | 1937 | 1938 | 1939 | 1940 | Means |
| January | | | | | | | | 5.22 | 3.38 | 2.12 | |
| February | | | | | | | | 1.03 | 3.13 | 1.36 | |
| March | | | | | | | | 2.03 | 2.93 | 3.30 | |
| April | | | | | | | | .41 | 1.54 | 2.86 | |
| May | | | | | | | | 3.71 | .80 | 3.04 | |
| June | | | | | | | | 4.28 | 1.59 | .93 | |
| July | | | | | | | | 3.37 | 3.48 | 5.38 | |
| August | | | | | | | | 2.07 | .94 | 1.63 | |
| September | | | | | | | | 2.67 | 2.24 | 4.18 | |
| October | | | | | | | | 8.30 | 1.35 | 2.94 | |
| November | | | | | | | | 6.53 | 5.94 | 4.18 | |
| December | | | | | | | | 2.42 | 1.51 | 3.79 | |
| TOTALS | | | | | | | | 42.04 | 28.83 | 35.70 | |

New gauge is fixed at same ht. as old & immediately adjacent

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 from gauge | Parish Church. | Distance from gauge. | Direction from gauge. |
|-------|---------|-------|------------------|---------------------|----------------------|----------------|----------------------|-----------------------|
| 1938. | | | Carlisle | 2m | W. | Carlisle | 2m | W. |

RAINFALL at Carlisle (Coldstream Resⁿ) new g. Station No. 5168/1 41
 County of Lanark Observer L. Cottle Esq. C.E. Retired 1947
 River Basin 4- Clyde-Right Bank J. Bisset Esq. C.E.
 Type of Gauge W. O.

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

File No.

| | | | | | | | | | | | |
|----------------|-------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|
| Diameter | 5" | | | | 6.54 | 1.52 | | | | | |
| Height | 1'0" | | | | | 1 | | | | | |
| Altitude | 800' | | | | | 41 | | | | | |
| Year | 1941 | 1942 | 1943 | 1944 | 1945 | 1946 | 1947 | 1948 | 1949 | 1950 | Means |
| January | 0.78 | 4.97 | 3.24 | 3.75 | 2.91 | 3.12 | 2.86 | 6.41 | 3.55 | 1.40 | |
| February | 2.74 | 1.41 | 2.95 | 1.15 | 4.75 | 2.41 | (0.45) | 3.14 | 3.44 | 2.99 | |
| March | 2.61 | 1.27 | 1.96 | 0.62 | 2.20 | 2.00 | 2.99 | 2.41 | 1.12 | 2.66 | |
| April | 1.27 | 1.84 | 2.23 | 1.76 | 1.33 | 0.99 | 4.62 | 2.78 | 2.20 | 2.85 | |
| May | 5.62 | 1.99 | 4.13 | 2.05 | 3.79 | 1.28 | 3.34 | 1.48 | 1.41 | 1.55 | |
| June | 0.79 | 1.02 | 2.82 | 3.55 | 3.54 | 2.68 | 2.78 | 4.79 | 1.32 | 2.44 | |
| July | 4.11 | 2.80 | 2.91 | 2.81 | 2.87 | 4.07 | 2.46 | 2.11 | 1.36 | 4.42 | |
| August | 4.23 | 3.48 | 3.98 | 3.84 | 1.70 | 2.69 | 0.03 | 6.20 | 3.67 | 3.72 | |
| September | 0.91 | 3.77 | 2.31 | 4.42 | 5.89 | 5.12 | 3.39 | 4.70 | 1.07 | 7.86 | |
| October | 3.19 | 3.90 | 5.06 | 3.79 | 4.55 | 0.71 | 1.71 | 2.79 | 4.84 | 2.68 | |
| November | 2.28 | 0.62 | 2.08 | 7.22 | .29 | 4.72 | 5.25 | 2.87 | 3.62 | 3.21 | |
| December | 1.61 | 3.66 | 2.03 | 3.69 | 3.02 | 2.69 | 2.24 | 4.91 | 6.12 | 1.56 | |
| TOTALS | 30.14 | 30.73 | 35.64 | 38.65 | 36.84 | 32.48 | 52.11 | 44.59 | 33.72 | 37.61 | |
| | D | D | D | D | D | D | D | D | D | D | |

20004

1947 Feb. adj. for suns

1951 Gauge tested & found sound. Exposure seems satisfactory. 2 1/2 Bar Iron rail fences each 4' high 9' to N.E. and 12' to S.E.

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 1947 | | | Carlisle Carlisle | 2m. | W. | Carlisle | 2m. | W. |

BRITISH RAINFALL ORGANIZATION

Station No. 5168/1

RAINFALL at Carlsruhe (Goldstream Res)

51

County of LeicestershireObserver J. Bisset Scott, Esq. C.E.River Basin 4-64 Gt. Right Bank TriesType of Gauge m.o. 2015/52Annual Average in. based on 4 years obs. un-weighted. Period of average 1916-59 Ref. 26/875498

File No.

| Diameter ... | 5" | | | | 6.54 | 1.52 | | | | | |
|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Height ... | 1' 0" | | | | | 1 | | | | | |
| Altitude ... | 800' | | | | | 51 | | | | | |
| Year ... | 1951 | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 | 1959 | 1960 | Means |
| January ... | 3.50 | 3.34 | 1.23 | 3.62 | 2.03 | 1.80 | 4.56 | 2.75 | 1.17 | 3.07 | |
| February ... | 2.94 | 1.04 | 1.36 | 2.30 | 1.42 | 1.43 | 2.96 | 2.38 | 1.23 | 3.12 | |
| March ... | 2.61 | 1.44 | 0.62 | 1.52 | 1.70 | 2.11 | 2.91 | 1.24 | 1.58 | 1.97 | |
| April ... | 2.29 | 1.81 | 2.16 | 1.20 | 0.97 | 0.77 | 1.51 | 1.24 | 2.31 | 2.33 | |
| May ... | 1.98 | 1.30 | 2.25 | 4.13 | 2.45 | 1.22 | 2.17 | 2.94 | 0.73 | 1.85 | |
| June ... | 2.39 | 2.10 | 0.98 | 2.25 | 1.29 | 2.84 | 2.30 | 2.94 | 3.38 | 1.52 | |
| July ... | 3.73 | 3.55 | 4.72 | 3.12 | 1.75 | 5.11 | 3.47 | 6.07 | 3.89 | 2.80 | |
| August ... | 4.32 | 4.67 | 2.78 | 4.46 | 2.00 | 5.36 | 4.76 | 4.20 | 1.05 | 3.11 | |
| September ... | 2.20 | 2.26 | 2.40 | 4.19 | 2.85 | 4.22 | 2.65 | 4.36 | 0.89 | 2.45 | |
| October ... | 1.02 | 2.58 | 2.04 | 7.80 | 2.62 | 2.60 | 3.50 | 2.22 | 3.59 | 2.96 | |
| November ... | 4.50 | 2.60 | 1.88 | 4.73 | 1.31 | 1.20 | 1.53 | 1.55 | 5.26 | 3.66 | |
| December ... | 3.66 | 2.74 | 1.04 | 3.93 | 5.13 | 3.57 | 3.21 | 4.50 | 3.85 | 4.09 | |
| TOTALS ... | 35.20 | 29.43 | 29.66 | 48.25 | 25.52 | 32.23 | 36.52 | 36.39 | 28.93 | 32.93 | |
| | D | D | D | D | D | D | D | D | D | D | |

1951 2 1/2 Bar Iron Rail 4" ft high, 9' x 12 NE + SE.

1955 Imppt. Gauge 5.10. Gauge found. Built on level grass near filter beds at W end of res. 15' deep 30-40' W.
 Replaced move gauge 30' SE., 7' from skip leading to filter beds. Good view line to W with adequate shelter in other directions.

Annual average 36.15 in. based on 4 yrs. obs. 1956-59. Too short. Period of average 1916-50. Ref. 5.

Position of Station on Ordnance One-Inch map:

No. of Map.....

National Grid Reference 26/875498

| Date. | Lat. N. | Long. | Railway Station. | Distance from gauge | Direction from gauge | Parish Church. | Distance from gauge | Direction from gauge |
|-------|---------|-------|------------------|---------------------|----------------------|----------------|---------------------|----------------------|
| 1951 | | | Carlsruhe | 2 1/2 | N | Carlsruhe | 2 1/2 | N |

Summary of Earlier Records from 10-year Sheets:

1910-19

1920-30

1931-40

1941-50

1951-60

Record
D, or d

✓

✓

✓

✓

✓

✓