

RAINFALL AT Bathgate Filter Gauge No 1

Lat.

Lon.

County of Linlithgow

after Smoother Rain Gauge, by
Forth, R. Bank - 2.

Observer

A. J. Reid Esq

| | | | | | | | | | | |
|--------------|------|------|------|------|------|------|------|------|------|-------------|
| Diameter ... | | | | | | | | | | 5 |
| Height | | | | | | | | | | 0 9 |
| Altitude ... | | | | | | | | | | 6402 |
| Year ... | 1900 | 1901 | 1902 | 1903 | 1904 | 1905 | 1906 | 1907 | 1908 | 1909 MEANS. |
| January ... | | | | | | | | | | 3.41 |
| February ... | | | | | | | | | | 2.02 |
| March | | | | | | | | | | 5.74 |
| April | | | | | | | | | | 1.75 2.85 |
| May | | | | | | | | | | 2.44 2.19 |
| June | | | | | | | | | | 1.47 2.32 |
| July | | | | | | | | | | 2.94 3.25 |
| August | | | | | | | | | | 3.10 2.58 |
| September .. | | | | | | | | | | 4.23 2.14 |
| October ... | | | | | | | | | | .98 4.99 |
| November .. | | | | | | | | | | 2.00 1.44 |
| December... | | | | | | | | | | 1.30 4.17 |
| TOTALS ... | | | | | | | | | | 37.10 |

1908 Bathgate Church 500 yards E
 Station 800 NE
 Wall 2' 6" high 18.92 S
 Table 15.0 31. - NE

RAINFALL at Bathgate Filters No. 1.

County of Linlithgow Observer A. L. Reid Esq.

River Basin Forth-right bank tufts. 2

Snowdon Rain Gauge, by _____

| | | | | | | | | | | | |
|--------------|------|------|------|-------|-------|-------|-------|-------|-------|--------|--------------------------|
| Diameter ... | | | | 5 | | | | | | | |
| Height | | | | 0 9 | | | | | | | |
| Altitude ... | | | | 640 T | | | | | | | |
| Year ... | 1910 | 1911 | 1912 | 1913 | 1914 | 1915 | 1916 | 1917 | 1918 | 1919 | SUMS MEANS 1916-19 |
| January ... | | | | 2.24 | 2.71 | 1.86 | 3.72 | 1.55 | 3.23 | 2.89 | 11.39 |
| February ... | | | | 2.04 | 3.07 | 2.94 | 4.20 | .93 | 3.65 | 1.54 | 10.12 |
| March | | | | 3.74 | 3.87 | 1.83 | 2.57 | 1.93 | 1.04 | 1.57 | 7.11 |
| April | | | | 2.67 | 1.75 | 1.84 | 3.48 | 1.62 | .74 | 2.43 | 8.27 |
| May | | | | 1.74 | 2.70 | 1.66 | 6.05 | 1.96 | 2.81 | .65 | 11.47 |
| June | | | | 2.42 | .94 | 1.01 | 2.73 | 2.33 | .62 | 2.15 | 7.83 |
| July | | | | 1.10 | 4.21 | 4.01 | 4.41 | 1.66 | 2.82 | 1.01 | 9.90 |
| August | | | | .94 | 2.02 | 3.51 | 3.84 | 4.86 | 2.03 | 2.59 | 13.32 |
| September .. | | | | 2.22 | .80 | 1.76 | 1.67 | 1.83 | 5.26 | 3.26 | 12.02 |
| October ... | | | | 2.87 | 1.98 | 2.03 | 6.17 | 4.07 | 4.57 | 1.55 | 16.36 |
| November .. | | | | 3.74 | 4.22 | 1.49 | 4.30 | 4.66 | 2.24 | 5.17 | 16.37 |
| December... | | | | 2.64 | 5.56 | 5.41 | 4.28 | 2.48 | 3.17 | 4.28 | 14.21 |
| TOTALS ... | | | | 28.36 | 33.83 | 29.35 | 47.42 | 32.18 | 28.89 | 138.37 | |

1914 wall 2' 6" high 13' 5" + gable 15' high 31' NE

1917-18 ~~see~~ 6.2.20. Entry 401-22

| Date. | Lat. N. | Long. | Railway Station. | Distance. | Direction. | Church. | Distance. | Direction. |
|-------|---------|-------|------------------|-----------|------------|----------|-----------|------------|
| 1913 | | | Bathgate | 800 yds | SW | Bathgate | 500 yds. | W. |

RAINFALL at Bathgate (Tillp) No. 1.

County of Lanarkshire Observer A. L. Reid Esq:

River Basin Forth R. Bank - 2. Boro Surveyor Bathgate.

Snowdon
Pettigree Rain Gauge, by _____

1927-1930

| Diameter ... | 5" | 1920 | 1921 | 1922 | 1923 | 1924 | 1925 | 1926 | 1927 | 1928 | 1929 | 1930 MEAN | SUMS |
|--------------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|--------------|--------|
| Height | 0.9 | | | | | | | | | | | | |
| Altitude ... | 640 | | | | | | | | | | | | |
| Year | 1920 | 1921 | 1922 | 1923 | 1924 | 1925 | 1926 | 1927 | 1928 | 1929 | 1930 | | |
| January ... | 2.71 | 5.76 | 2.65 | 2.49 | 2.86 | 3.07 | 4.50 | 3.41 | 6.09 | 1.01 | 4.38 | | 39.93 |
| February ... | 3.44 | 5.50 | 2.30 | 3.12 | 1.61 | 3.28 | 4.16 | 1.80 | 3.60 | 1.24 | .72 | | 24.80 |
| March | 3.45 | 4.42 | 1.77 | 1.36 | 1.41 | 2.08 | 1.87 | 2.38 | 2.09 | .51 | 2.77 | | 24.11 |
| April..... | 2.20 | 1.07 | 2.26 | 3.22 | 1.65 | 5.78 | 2.16 | 1.65 | .91 | 2.24 | .85 | | 23.99 |
| May | 2.69 | 1.95 | 2.29 | 1.73 | 6.10 | 5.31 | 3.10 | 1.77 | 2.03 | 2.15 | 1.60 | | 31.60 |
| June | 1.38 | 31 | 1.81 | 1.25 | 2.22 | 1.42 | 3.37 | 3.59 | 5.82 | 2.19 | 2.15 | | 24.51 |
| July | 2.95 | 3.07 | 3.89 | 3.72 | 3.72 | 1.79 | 2.92 | 3.97 | 2.10 | 3.06 | 4.52 | | 35.71 |
| August | 6.66 | 5.91 | 1.83 | 5.12 | 3.30 | 2.91 | 1.94 | 7.50 | 4.48 | 4.26 | 5.09 | | 49.00 |
| September... | 1.64 | 1.93 | 1.91 | 4.21 | 3.76 | 4.46 | 3.91 | 8.55 | 3.17 | .82 | 4.17 | | 38.53 |
| October..... | 1.97 | 4.58 | 1.96 | 3.42 | 3.39 | 2.98 | 5.37 | 4.36 | 4.72 | 3.66 | 4.05 | | 39.48 |
| November... | 2.36 | 1.84 | 1.76 | 3.55 | 1.79 | .78 | 5.08 | 2.76 | 3.63 | 5.10 | 5.13 | | 33.78 |
| December.. | 2.92 | 5.03 | 3.32 | (3.03) | 4.55 | 2.11 | 1.00 | 1.39 | 3.11 | 5.61 | 1.95 | | 34.02 |
| TOTALS... | 35.38 | 36.24 | 27.75 | 36.28 | 35.36 | 34.97 | 39.38 | 43.13 | 41.75 | 31.88 | 37.38 | | 399.41 |
| | o | o | o | o | o | o | o | o | o | o | o | | |

Wall 2' 6" 13' 0" South.

Table 15' 0" 31' 0" N.E.

1921. wire fence + ft. high 5 ft. North.

1923. Corn for snow. Dec.

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

Reference No.

| Date. | Lat. N. | Long. | Railway Station. | Distance from gauge | Direction | Parish Church. | Distance from gauge |
|-------|---------|-------|------------------|-------------------------|-----------|----------------|---------------------|
| 1920. | | | Bathgate | 500 yds E 2,000 ft N | N | Bathgate | 800 yds N.E. |
| 1921. | | | Bathgate | | | | 2,600 yds N. |

RAINFALL at *Bathgate (Fife)* *n^o 1*County of *Lanarkshire* Observer *A. L. Reid*River Basin. *2-Forth. Right Bank* *James Spalding, Esq.*Type of Gauge *T. S. 9 inches*Annual Average *33.2 in.* based on *21 years obs. yr-weighted.* Period of average *1881-1915* Ref. *Survey*
inspected XII/36.

| Diameter | 5" | | | | | | | | | | |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| Height | 0' 9" | | | | | | | | | | |
| Altitude | 660' | | | | | | | | | | |
| Year | 1931 | 1932 | 1933 | 1934 | 1935 | 1936 | 1937 | 1938 | 1939 | 1940 | Means |
| January | 2.15 | 5.36 | 3.47 | 4.10 | 1.24 | 3.48 | 2.42 | 5.06 | 5.80 | 1.26 | 34.84 |
| February | 2.34 | .06 | 2.31 | .18 | 2.71 | 3.49 | 4.46 | 1.11 | 3.73 | 1.37 | 21.75 |
| March | 1.11 | 2.01 | 1.50 | 4.02 | 1.37 | 2.30 | 1.60 | 2.36 | 4.18 | 3.08 | 23.53 |
| April | 2.42 | 3.24 | 1.92 | 5.17 | 3.09 | 1.13 | 1.35 | .45 | 1.67 | 2.90 | 23.54 |
| May | 3.51 | 3.44 | 2.06 | 1.61 | .81 | .70 | 1.75 | 4.36 | .98 | 2.21 | 21.43 |
| June | 5.22 | 1.63 | 1.75 | 3.29 | 2.74 | 1.84 | 1.63 | 3.81 | 1.58 | .54 | 24.03 |
| July | 4.68 | 2.20 | 4.76 | 3.97 | 1.63 | 4.56 | 3.38 | 2.97 | 5.42 | 5.40 | 38.97 |
| August | 3.82 | .77 | 1.53 | 3.68 | 1.24 | 1.88 | 4.87 | 1.81 | 1.35 | 1.15 | 22.10 |
| September | 1.59 | 3.96 | 1.71 | 2.77 | 4.54 | 3.26 | 2.44 | 2.95 | 1.93 | 2.95 | 28.10 |
| October | 2.74 | 5.19 | 2.91 | 4.44 | 6.46 | 2.64 | 4.28 | 6.28 | 3.12 | 3.67 | 41.68 |
| November | 5.60 | 2.64 | 1.87 | 1.36 | 4.26 | 3.09 | .53 | 6.17 | 5.73 | 4.75 | 36.00 |
| December | 2.54 | 7.49 | .76 | 3.73 | 1.32 | 3.16 | 1.83 | 2.05 | 1.27 | 3.04 | 27.19 |
| TOTALS | 38.02 | 37.98 | 26.55 | 38.32 | 31.41 | 32.03 | 30.49 | 39.38 | 36.66 | 32.32 | 343.16 |

+ Inspected 29/3/36. Site fairly good.

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

Station No.

5163

RAINFALL at Bathgate (Northbank Feltens) 41

County of West Lothian Observer James Spalding Esq.

River Basin 2 - Forth - Right Bank

Type of Gauge Symons'

Annual Average 33.2 in. based on 21 years obs. just-weighted. Period of average 1881-1915 Ref Survey

File No.

| Diameter | 5" | | | 897 | 381 | | | | | | |
|-----------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Height | 0' 9" | | | | | 1 | | | | | |
| Altitude | 640' | | | | | 41 | | | | | |
| Year | 1941 | 1942 | 1943 | 1944 | 1945 | 1946 | 1947 | 1948 | 1949 | 1950 | SYMS Means |
| January | 2.14 | 4.01 | 3.06 | 3.35 | 2.86 | 3.48 | 2.95 | 7.88 | 3.22 | 2.24 | 35.19 |
| February | 4.07 | 1.88 | 3.85 | 1.29 | 4.68 | 2.25 | .70 | 3.62 | 3.40 | 3.29 | 28.03 |
| March | 3.03 | 1.30 | 1.98 | .52 | 1.95 | 2.83 | 3.20 | 2.35 | 1.05 | 3.31 | 21.52 |
| April | 1.67 | 2.31 | 1.53 | 2.24 | 1.48 | .79 | 4.81 | 2.89 | 2.61 | 2.95 | 23.28 |
| May | 5.21 | 2.34 | 4.03 | 3.06 | 4.32 | 1.96 | 3.70 | 2.09 | 1.83 | 2.24 | 30.78 |
| June | 0.62 | 1.30 | 2.77 | 2.86 | 2.86 | 2.56 | 3.61 | 6.05 | .94 | 2.28 | 25.85 |
| July | 2.76 | 2.72 | 2.54 | 2.25 | 3.60 | 3.55 | 2.80 | 3.16 | 2.33 | 4.61 | 30.32 |
| August | 3.82 | 2.61 | 4.27 | 4.49 | 2.62 | 3.74 | .02 | 8.19 | 3.79 | 3.97 | 37.52 |
| September | .70 | 4.01 | 2.52 | 4.35 | 5.17 | 5.84 | 2.53 | 4.39 | 1.94 | 4.54 | 38.99 |
| October | 3.41 | 4.04 | 4.64 | 4.01 | 4.80 | .81 | 1.53 | 3.19 | 5.95 | 2.67 | 35.05 |
| November | 2.02 | .72 | 1.25 | 6.77 | .60 | 4.39 | 4.81 | 3.10 | 3.38 | 4.13 | 31.17 |
| December | 1.74 | 2.73 | 1.56 | 3.24 | 3.17 | 3.05 | 2.99 | 3.75 | 6.36 | 2.74 | 31.36 |
| TOTALS | 31.19 D | 29.97 D | 83.00 D | 38.43 D | 38.11 D | 35.28 D | 33.65 D | 50.66 D | 36.80 D | 41.97 D | 369.06 |

2 1st Wall 2' 6" thick 13' S. 2nd gable 15' high 31' N.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 |
|-------|---------|-------|------------------|---------------------|----------------------|----------------|---------------------|
| 1941 | | | Bathgate | 800y | SW. | S. Bathgate | 500y W. |

BRITISH RAINFALL ORGANIZATION

Station No. 5153

RAINFALL at Bathgate (Montane Valley)

51

County of West Lothian

Observer James Spalding, Esq.

River Basin. 2-Tier - Right Bank

Type of Gauge. Symons B.A.

Annual Average 33.2 in. based on 21 years obs. w/ weighted. Period of average 1881-1915
 " 36.81 " " 40 " within 1916-58. " " " 1916-50
 File No. 3.

| Diameter ... | 5" | 897 | 381 | | | | | | | | |
|--------------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|-------|
| Height ... | 0' 9" | | 1 | | 1' 0" | | | | | | |
| Altitude ... | 640' | | 51 | | | | | | | | |
| Year ... | 1951 | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 | 1959 | 1960 | Means |
| January | 3.27 | 2.91 | 1.23 | 3.81 | 2.28 | 1.78 | 5.19 | -100 | 0.98 | 3.61 | |
| February | 2.54 | .78 | 1.35 | 2.08 | 2.11 | 1.56 | 3.20 | | 1.27 | 3.59 | |
| March | 4.25 | 1.73 | .73 | 1.98 | 1.78 | 1.92 | 2.73 | | 1.25 | 1.78 | |
| April | 2.74 | 1.58 | 2.63 | 1.66 | 1.17 | 1.41 | 2.12 | -100 | 2.24 | 2.19 | |
| May | 3.02 | 1.80 | 2.84 | 1.62 | 2.63 | 1.76 | 2.29 | 3.26 | 1.23 | 1.61 | |
| June | 2.13 | 2.87 | 1.45 | 2.56 | 1.82 | 3.15 | 2.07 | 4.38 | 2.36 | 1.09 | |
| July | 5.83 | 2.94 | 1.64 | 2.99 | 1.48 | 4.36 | 3.92 | 6.47 | 3.90 | 2.75 | |
| August | 5.32 | 4.56 | 2.86 | 6.86 | 1.11 | 6.84 | 3.85 | 3.81 | .65 | 3.52 | |
| September | 2.34 | 2.54 | 2.82 | 3.89 | 2.16 | 4.18 | 2.02 | 3.36 | .81 | 2.03 | |
| October | 0.62 | 2.85 | 1.57 | 7.96 | 2.01 | 2.42 | 3.13 | 2.22 | 3.29 | 3.86 | |
| November | 5.05 | 2.79 | 5.44 | 4.60 | 1.42 | .93 | 2.34 | 1.45 | 6.67 | 3.18 | |
| December | 4.95 | 2.89 | 4.00 | 5.00 | 5.34 | 4.23 | 4.06 | 5.25 | 4.49 | 3.74. | |
| TOTALS ... | 42.06 | 30.24 | 31.56 | 48.01 | 25.31 | 33.54 | 36.92 | -100 | 29.14 | 32.95 | |
| | D | D | D | D | D | D | D | W.H.C. | D. | D. | |

1951 1st Wall 2' 6" 13° S; 2nd Gable 15°, 31° NE.

Ins. Dec 1956. Shallow funnel g. in poor condition. Neware rec. On steep slope E.W. - overlooks town buildings 25' N (2' above g. level). Slight rise E.E. Wall 25' C W but top below g. level. Wall 5' (6.5 and 3') high. Steep drop beyond wall to S. a very peculiar site. Rec. that g. be moved 6-8' east to give room for a turf wall. No better site available. Remains should be treated with caution. New M.R. g. measure ordered 18/6/57.

Position of Station on Ordnance One-Inch map : No. of Map National Grid Reference 2619.81692

| Date. | Lat. N. | Long. | Railway Station. | Distance from gauge | Parish Church. | Distance from gauge. |
|-------|---------|-------|------------------|---------------------|----------------|----------------------|
| 1951 | | | Bathgate | 800 yds SW | Bathgate | 500 yds W. |

Summary of Earlier Records from 10-year Sheets :

1916-1950, P - Rejected

| Record D, or d | | 1910-19 | 1920-30 | 1931-40 | 1941-50 | 1951-60 |
|-------------------|--|---------------|---------|---------|---------|---------|
| | | C 1913 | / | / | / | / |
| | | / last - 1947 | / | / | / | / |