

RAINFALL AT St Andrews Waterworks

Lat. Lon. County of Fife

Smeardon Rain Gauge, by Smeardon
Eden - 3.

Observer W. Watson Esq.

| Diameter .. | | | | | 5 | | | | | | | |
|--------------|------|------|------|------|--------|-------|-------|-------|-------|-------|--------|--|
| Height .. | | | | | 1.0 | | | | | | | |
| Altitude .. | | | | | 217 ft | | | | | | | |
| Year .. | 1900 | 1901 | 1902 | 1903 | 1904 | 1905 | 1906 | 1907 | 1908 | 1909 | MEANS. | |
| January .. | | | | | 2.16 | .46 | 2.75 | 1.23 | 1.77 | 2.15 | | |
| February .. | | | | | 4.65 | .90 | .94 | 1.28 | .76 | .84 | | |
| March .. | | | | | 1.37 | 2.69 | 1.08 | 1.54 | 3.37 | 3.05 | | |
| April .. | | | | | 1.71 | 1.81 | .98 | 1.60 | 1.07 | 3.56 | | |
| May .. | | | | | 1.94 | 1.33 | 5.39 | 4.72 | 1.76 | 2.57 | | |
| June .. | | | | | .83 | .64 | 1.09 | 2.84 | .95 | .95 | | |
| July .. | | | | | 1.30 | 1.48 | 1.11 | 1.86 | 2.10 | 3.73 | | |
| August .. | | | | | 4.50 | 2.75 | 4.80 | 3.63 | 2.95 | 2.41 | | |
| September .. | | | | | 2.60 | 1.50 | 1.02 | 1.02 | 3.95 | 1.47 | | |
| October .. | | | | | .52 | 1.71 | 4.36 | 5.84 | 3.37 | 3.39 | | |
| November .. | | | | | .50 | 4.60 | 2.79 | 2.58 | 1.96 | .43 | | |
| December .. | | | | | 1.76 | 1.41 | 1.67 | 3.43 | 1.32 | 3.50 | | |
| TOTALS .. | | | | | 23.84 | 21.28 | 27.98 | 31.57 | 25.33 | 28.05 | | |

D D D D D D

1906 St Andrews Church, Mile N

Station 1 - N

Farm 20 ft high 400 yards S.W.

1909. .75 in. entered on June 1st. was put back to May 31st. altering the totals from 1.82 and 1.70 to 2.57 and .95 in. respectively. This may have been caused by reading at 8 am.

RAINFALL at St. Andrews Waterworks

County of Fife

Observer W. Watson Esq.

River Basin Eden & b. 3.

G. Smith Esq. ch.
W.C. Eddowes Esq., C.L.

Snowdon Rain Gauge, by Dundee (Dundee)

| Diameter ... | 5 | | | | | | | | | | |
|--------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------------|
| Height | 1 0 | | | | | | | | | | |
| Altitude ... | 217 ft | | | | | | | | | | |
| Year ... | 1910 | 1911 | 1912 | 1913 | 1914 | 1915 | 1916 | 1917 | 1918 | 1919 | SUMMER Means. |
| January ... | 2.15 | 1.09 | 2.78 | 3.82 | 1.56 | 2.12 | 2.01 | 1.74 | 2.26 | 3.11 | 9.12 |
| February ... | 2.47 | 1.54 | 2.12 | .72 | 2.64 | 4.91 | 2.83 | .85 | 1.92 | 2.08 | 8.08 |
| March | 1.40 | .75 | 2.03 | 3.49 | 3.42 | 1.44 | 2.92 | 1.10 | 1.00 | 1.93 | 6.95 |
| April | 2.82 | .74 | .02 | 2.03 | .96 | .76 | 1.98 | 1.56 | .78 | 1.66 | 5.98 |
| May | 1.30 | 1.04 | 1.34 | 3.25 | 2.10 | .97 | 2.93 | 1.46 | 3.31 | .92 | 8.62 |
| June..... | 1.52 | .86 | 2.85 | 1.62 | .77 | 1.61 | 3.47 | 1.09 | .82 | 1.39 | 6.77 |
| July | 2.48 | 1.04 | 1.86 | .83 | 1.95 | 3.07 | 6.00 | 1.34 | 3.35 | .77 | 11.46 |
| August | 5.40 | .85 | 4.33 | 1.37 | 1.81 | 3.84 | 3.57 | 4.05 | 1.74 | 1.88 | 11.24 |
| September .. | .85 | .75 | 2.43 | 1.90 | .54 | 2.12 | 1.29 | 1.09 | 3.73 | 1.83 | 7.34 |
| October ... | 1.81 | 1.86 | 3.91 | 1.70 | 2.64 | 3.71 | 3.90 | 2.47 | 2.49 | 1.55 | 10.41 |
| November .. | 2.84 | 3.73 | 1.63 | 2.13 | 3.42 | 1.74 | 4.68 | 2.93 | 1.55 | 4.73 | 13.79 |
| December ... | 2.19 | 4.70 | 2.63 | 1.52 | 5.26 | 6.39 | 3.37 | 1.26 | 1.97 | 4.87 | 11.47 |
| TOTALS ... | 27.23 | 18.95 | 24.93 | 24.38 | 27.10 | 32.68 | 38.85 | 20.94 | 24.92 | 36.52 | 111.23 |

D D D D D D D

1913 farm 20 ft high 400 yards SW

| Date. | Lat. N. | Long. W. | Railway Station. | Distance. | Direction. | Church. | Distance. | Direction. |
|------------------|-------------|----------|------------------|-----------|------------|-------------|-----------|------------|
| 1911. | | | St. Andrews | 1/2 mile | N. | St. Andrews | 1/2 mile | N. |
| 1912 (also 1914) | 56° 19' 30" | 2° 48' | | | | | | |
| | 56° 20' | 2° 45' | | | | | | |

RAINFALL at St Andrews Waterworks (Papetown)

County of Linc

Observer W. Wilson Esq. G.E.

River Basin Eden + C 3

Water Song: Sir Andrew.

Snowdon Rain Gauge, by G. Louder. (Dundee)
M.C. pattern (125)

1920 Fairw 20 ft high heavy S.

1923 Jan. 20 p.m. 438-
1923 Jan. corrected for time.

1929 Oct. 1. Cont'd by snow stations. Obs: concurs.

| 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 |
| 1920 | 25° 20' | 2° 45' | St. Andrews | 1/2 mi | N | St. Andrews | 1/2 mi | N |

RAINFALL at

S. Andrews (Waterworks.)

County of Fife.

Observer W. Watson, D.Sc. Burgh Surveyor
died (1937) (present 1957)

River Basin. 3-Eden &c.,

Type of Gauge.....

Annual Average 27.3 in. based on 24 years obs. un-weighted. Period of average 1881-1915 Ref. 5

| Diameter | 5. | | | | | | | | | | |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----------|
| Height | 1.0 | | | | | | | | | | |
| Altitude | 217 | | | | | | | | | | |
| Year | 1931 | 1932 | 1933 | 1934 | 1935 | 1936 | 1937 | 1938 | 1939 | 1940 | SUMS Meas |
| January | 2.96 | 2.58 | 1.75 | 1.78 | .93 | 4.57 | 2.91 | 4.59 | 4.51 | 1.59 | 28.17 |
| February | 1.36 | .13 | 1.62 | .04 | 1.54 | 3.53 | 3.19 | .49 | 2.78 | 1.21 | 15.89 |
| March | .89 | 2.83 | 1.26 | 3.30 | 1.11 | 2.51 | 2.28 | .58 | 2.79 | 2.92 | 20.47 |
| April | 1.91 | 2.33 | .96 | 4.46 | 2.93 | .56 | 1.89 | .07 | .88 | 1.43 | 17.42 |
| May | 2.72 | 2.76 | 1.21 | 2.08 | .93 | 1.26 | 2.83 | 3.29 | 1.14 | 1.28 | 19.50 |
| June | 4.48 | 1.49 | 1.00 | 1.90 | 3.69 | 1.32 | .92 | 2.52 | 1.61 | .31 | 19.24 |
| July | 4.15 | 2.44 | 1.95 | 2.42 | .72 | 4.45 | 3.41 | 3.17 | 3.02 | 6.47 | 32.20 |
| August | 3.47 | .36 | .87 | 3.41 | 1.88 | .97 | 3.60 | 1.83 | 1.70 | 1.14 | 19.23 |
| September | 1.46 | 1.72 | 1.56 | 2.88 | 3.61 | 2.57 | 1.60 | 2.95 | 1.68 | 2.05 | 22.08 |
| October | 1.15 | 5.97 | 2.98 | 2.51 | 3.95 | 1.19 | 3.92 | 3.83 | 3.42 | 3.63 | 32.55 |
| November | 7.18 | 1.49 | 1.78 | .84 | 4.28 | 2.49 | .36 | 4.28 | 4.19 | 5.09 | 31.98 |
| December | .67 | 3.03 | 1.11 | 4.40 | 2.19 | 1.82 | 3.58 | 3.28 | 1.17 | 2.03 | 23.28 |
| TOTALS | 32.40 | 27.13 | 18.05 | 30.02 | 27.76 | 27.24 | 30.49 | 30.88 | 28.89 | 29.15 | 282.01 |

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 |
|-------|---------|-------|------------------|------------------------|-----------|----------------|------------------------|-----------|
| 1931. | | | St. Andrews | 1½ m | N. | | | |

885471

5496

RAINFALL at

St. Andrews (Waterworks)

Station No.

41

County of Fife

Observer Burgh Surveyor

River Basin 3-Eden-C.

Type of Gauge M.O.

Annual Average 27.3 in. based on 24 years obs. ~~unweighted~~. Period of average 1881-1915 Ref S.

File No.

| Diameter | 5' | | | | 885 | 471 | | | | | |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------------|
| Height | 1'0" | | | | | 1 | | | | | |
| Altitude | 217 | | | | | 41 | | | | | |
| Year | 1941 | 1942 | 1943 | 1944 | 1945 | 1946 | 1947 | 1948 | 1949 | 1950 | SUMS Means |
| January | 2.54 | 3.71 | 4.81 | 1.41 | 3.69 | 1.54 | 3.81 | 3.62 | 1.16 | 1.14 | 27.46 |
| February | 5.35 | 1.90 | 1.82 | 1.82 | 2.32 | 1.15 | 2.43 | 2.14 | 1.82 | 2.05 | 20.50 |
| March | 2.32 | 1.69 | 1.92 | 1.56 | 1.09 | 2.09 | 4.09 | 1.78 | 1.46 | 2.78 | 17.78 |
| April | 1.94 | 1.51 | 1.16 | 2.41 | 1.26 | 1.27 | 2.25 | 1.12 | 1.22 | 1.62 | 14.76 |
| May | 1.15 | 3.80 | 3.50 | 1.53 | 3.72 | 1.85 | 4.18 | 2.49 | 1.55 | 2.01 | 25.78 |
| June | 0.80 | 0.98 | 1.60 | 2.23 | 2.04 | 2.01 | 2.43 | 3.73 | 1.81 | 1.74 | 17.60 |
| July | 2.17 | 2.66 | 2.27 | 3.66 | 3.28 | 3.22 | 1.44 | 1.76 | 2.61 | 2.89 | 25.86 |
| August | 2.16 | 2.10 | 5.58 | 2.01 | 3.71 | 3.21 | 1.40 | 6.23 | 2.78 | 2.77 | 30.95 |
| September | 1.85 | 2.14 | 2.65 | 3.08 | 2.59 | 3.46 | 1.80 | 2.09 | 1.48 | 6.69 | 26.83 |
| October | 3.42 | 1.95 | 2.46 | 3.23 | 4.79 | 1.75 | 1.42 | 3.35 | 3.74 | 1.99 | 27.10 |
| November | 3.26 | 0.63 | 1.86 | 4.43 | 1.19 | 7.11 | 1.72 | 1.42 | 3.35 | 4.04 | 28.01 |
| December | 1.22 | 2.14 | 1.35 | 2.54 | 3.70 | 2.89 | 1.40 | 3.35 | 2.41 | 1.27 | 22.27 |
| TOTALS | 27.13 | 25.21 | 27.98 | 27.81 | 33.38 | 29.55 | 27.37 | 32.08 | 24.09 | 30.25 | 284.90 |

Observer states gauge sound. Site satisfactory.

3. Wall of water well 4'10" high 16'3" N. Boundary wall 2'5" to 4'7" high
31'8" W.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 | Parish Church. | Distance from gauge |
|-------|---------|-------|------------------|---------------------|-----------|----------------|---------------------|
| 1943 | | | St. Andrews | 2100 y. | 8° N.W. | St. Andrews | 2000 y. 8° E. N. |

BRITISH RAINFALL ORGANIZATION

Station No. 5496

RAINFALL at St Andrews (Waterworks)

51

County of Fife

Observer Burgh Surveyor

River Basin Eden & E-3

Burgh Engineer

Type of Gauge A.R.

Annual Average 27.3 in. based on 24 years obs. un-weighted. Period of average 1881-1915 Ref. S
 28.51 - - 35 - 1916-1950 1946-1950 P
 File No.

| Diameter | 5" | | | | 885 | 471 | | | | | |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Height | 1' 0" | | | | | | 1 | | | | |
| Altitude | 217' | | | | | | 51 | | | | |
| Year | 1951 | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 | 1959 | 1960 | Means |
| January | 3.77 | 1.14 | 0.57 | 1.50 | 1.51 | 2.43 | 3.48 | 2.47 | 0.81 | 3.88 | |
| February | 2.72 | 0.61 | .72 | 2.41 | 2.01 | 1.80 | 3.82 | 2.57 | .46 | 2.72 | |
| March | 3.43 | 2.52 | .44 | 2.32 | 2.14 | 1.34 | 1.91 | 4.89 | 1.26 | 1.69 | |
| April | 2.31 | 1.26 | 2.07 | 1.29 | .81 | .96 | .79 | 1.81 | 2.58 | 2.02 | |
| May | 2.34 | 1.73 | 1.82 | 3.46 | 2.11 | .68 | 1.70 | 2.07 | .80 | 1.81 | |
| June | 1.71 | 2.66 | .87 | 2.19 | .87 | 2.89 | .75 | 2.42 | 2.27 | 1.60 | |
| July | 3.09 | 1.67 | 2.80 | 2.00 | 1.43 | 4.35 | 6.02 | 6.09 | 2.70 | 2.71 | |
| August | 4.28 | 3.06 | 2.12 | 2.31 | .39 | 5.70 | 3.49 | 3.27 | .68 | 4.07 | |
| September | 1.60 | 1.27 | 2.69 | 2.70 | .84 | 4.86 | 1.58 | 1.86 | .56 | 2.21 | |
| October | 0.27 | 2.42 | 1.91 | 6.45 | 1.77 | 1.14 | 1.19 | 1.76 | 1.69 | 4.78 | |
| November | 6.72 | 2.17 | 2.95 | 4.63 | 1.41 | .70 | 1.20 | .67 | 4.75 | 3.97 | |
| December | 2.54 | 2.01 | 3.38 | 3.28 | 4.32 | 3.39 | 3.10 | 4.49 | 5.81 | 2.43 | |
| TOTALS | 33.78 | 22.52 | 22.34 | 34.54 | 19.61 | 30.24 | 29.69 | 34.37 | 24.37 | 33.89 | |
| | D | D | D | D | D | D | D | D | D | D | |

| Position of Station on Ordnance One-Inch map : | No. of Map | National Grid Reference N.W.(37)505148 | | | | |
|--|------------|--|------------------|---------------------|----------------|----------------------|
| Date. | Lat. N. | Long. | Railway Station. | Distance from gauge | Parish Church. | Distance from gauge. |
| | | | | | | |

Summary of Earlier Records from 10-year Sheets :

1916-1950, P-accepted

| Record D, or d | 1910-19 | 1920-30 | 1931-40 | 1941-50 | 1951-60 |
|----------------|---------|---------|---------|----------------|---------|
| | ✓ | ✓ | ✓ | ✓ except 31-32 | ✓ |