

RAINFALL AT Redewater Chattlehope

Lat. _____

Lon. _____

County of Northumberland

Rain Gauge, by _____

Observer E. Smith Esq

N. Lyons Esq

| | | | | | | | | | | | |
|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|
| Diameter | 8 | | | | | | | | | | |
| Height | | | | | | | 10 | | | | |
| Altitude | | | | 830 | | | | | | | |
| Year | 1890 | 1891 | 1892 | 1893 | 1894 | 1895 | 1896 | 1897 | 1898 | 1899 | MEANS. |
| January | 4.72 | 3.15 | 2.45 | 1.16 | 5.25 | 2.47 | 1.75 | | 2.00 | 5.85 | } 5.697 |
| February | 1.23 | .19 | 2.01 | 3.99 | 7.77 | 1.33 | 1.35 | 3.30 | 2.57 | 3.43 | |
| March | 3.00 | 2.45 | 1.15 | 2.24 | 4.11 | 4.75 | 4.75 | 6.03 | 1.30 | 2.80 | 3.258 |
| April | 1.13 | 1.75 | .95 | .57 | 1.23 | 1.90 | 1.70 | 2.43 | 3.08 | 5.24 | 1.998 |
| May | 2.17 | 2.19 | 3.46 | 2.45 | 4.60 | 1.24 | 1.00 | 1.65 | 2.62 | 3.48 | 3.186 |
| June | 3.46 | 1.49 | 4.75 | 2.80 | 4.20 | 1.68 | 2.30 | 3.88 | 1.91 | 1.07 | 2.754 |
| July | 2.67 | 4.44 | 2.40 | 2.96 | 3.10 | 4.27 | 3.10 | 2.40 | 1.23 | 3.68 | 3.055 |
| August | 5.67 | 7.26 | 4.85 | 3.14 | 5.25 | 3.85 | 2.05 | 5.20 | 3.45 | .97 | 4.164 |
| September.... | 1.95 | 6.67 | 3.96 | 2.32 | 1.78 | .55 | 5.20 | 3.25 | 2.30 | 3.13 | 3.111 |
| October | 2.39 | 3.55 | 5.64 | 2.65 | 4.95 | 4.20 | 7.30 | 2.63 | 5.50 | 3.58 | 4.234 |
| November.... | 6.40 | 3.15 | 2.15 | 3.49 | 4.15 | 4.90 | 1.90 | 3.90 | 3.44 | 4.39 | 3.787 |
| December | 2.10 | 6.55 | 1.10 | 4.30 | 3.50 | 2.90 | 6.00 | 6.80 | 6.50 | 3.18 | 4.243 |
| TOTALS . . . | 36.89 | 42.84 | 34.87 | 32.07 | 49.89 | 34.04 | 38.40 | 41.47 | 35.90 | 40.80 | 38.717 |

RAINFALL AT

Redewater Shattelhope

Lat.

Lon.

County of

Northumberland

Rain Gauge, by

Observer

G. Smith Esq

N. Type - H.

A. L. Foster Esq C.E.

| | | | | | | | | | | | |
|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| Diameter .. | 8 | | | | | 5 | | | | | |
| Height | 1 | 0 | | | | 1 | 0 | | | | |
| Altitude .. | 830 | | | | 800 | 900 | | | | | |
| Year | 1900 | 1901 | 1902 | 1903 | 1904 | 1905 | 1906 | 1907 | 1908 | 1909 | MEANS. |
| January .. | 5.05 | 2.60 | 2.75 | 6.89 | 3.66 | 1.77 | 5.42 | 2.11 | 3.87 | 3.96 | 3.208 |
| February .. | 3.38 | 1.30 | 1.95 | 6.23 | 3.72 | 2.58 | 2.69 | 2.65 | 2.37 | 2.61 | 2.948 |
| March | .89 | 3.35 | 1.83 | 6.59 | 3.18 | 6.22 | 3.63 | 3.41 | 6.71 | 4.65 | 4.049 |
| April | 4.10 | 2.80 | 2.45 | 1.29 | 3.89 | 3.99 | 1.41 | 3.42 | 2.35 | 5.28 | 3.098 |
| May | 2.65 | 2.15 | 3.34 | 1.92 | 3.44 | 2.19 | 5.93 | 5.86 | 3.62 | 2.27 | 3.337 |
| June | 4.72 | 2.03 | 2.18 | 1.03 | 1.43 | 2.21 | 4.98 | 6.07 | 1.88 | 2.80 | 2.933 |
| July | 2.39 | 1.60 | 3.83 | 4.36 | 1.81 | 1.38 | 2.46 | 2.64 | 4.53 | 3.15 | 2.815 |
| August | 5.50 | 4.10 | 2.61 | 4.91 | 3.08 | 4.47 | 6.54 | 3.89 | 3.26 | 2.99 | 4.135 |
| September .. | 2.70 | 2.15 | 2.05 | 3.58 | 1.52 | 3.86 | 1.13 | 1.05 | 5.63 | 2.83 | 2.650 |
| October | 5.48 | 2.78 | 3.00 | 9.88 | 1.27 | 3.39 | 7.25 | 6.46 | 4.17 | 6.78 | 5.046 |
| November .. | 5.24 | 4.75 | 2.43 | 2.80 | 2.44 | 5.61 | 4.28 | 3.33 | 3.25 | 1.67 | 3.585 |
| December .. | 8.30 | 3.21 | 5.84 | 3.24 | 3.13 | 2.60 | 2.48 | 6.36 | 2.44 | 4.75 | 4.235 |
| TOTALS .. | 50.40 | 32.82 | 34.31 | 52.72 | 32.57 | 40.27 | 48.20 | 47.25 | 44.08 | 43.77 | 42.630 |

1904 Dec 31 Gauge moved

H. L.

RAINFALL at Redewater ChattlehopeCounty of Northumberland Observer A. J. Forster Esq. C.E.River Basin North Tyne 4

Rain Gauge, by _____

| | | | | | | | | | | | |
|--------------|-------|-------|-------|------|------|------|------|------|------|------|--------|
| Diameter ... | 5 | | | | | | | | | | |
| Height | 10 | | | | | | | | | | |
| Altitude ... | 900 | | | | | | | | | | |
| Year ... | 1910 | 1911 | 1912 | 1913 | 1914 | 1915 | 1916 | 1917 | 1918 | 1919 | MEANS. |
| January ... | 3.56 | 3.33 | 3.77 | 4.51 | | | | | | | |
| February ... | 6.17 | 4.29 | 3.61 | 3.02 | | | | | | | |
| March | 2.26 | 3.66 | 5.73 | 7.03 | | | | | | | |
| April | 3.51 | 3.09 | .82 | 4.90 | | | | | | | |
| May | 2.07 | 1.66 | 1.62 | 3.78 | | | | | | | |
| June | 2.75 | 5.52 | 5.52 | 3.09 | | | | | | | |
| July | 5.48 | 1.44 | 2.46 | 1.11 | | | | | | | |
| August | 6.87 | 3.36 | 6.25 | 2.23 | | | | | | | |
| September .. | 1.10 | 3.33 | 3.26 | 1.71 | | | | | | | |
| October ... | 3.66 | 4.60 | 5.56 | 3.93 | | | | | | | |
| November .. | 4.62 | 7.46 | 4.21 | | | | | | | | |
| December ... | 4.22 | 6.63 | 7.25 | | | | | | | | |
| TOTALS ... | 46.47 | 48.37 | 50.27 | | | | | | | | |

1913 removed in Nov

See next sheet

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

Redewater
RAINFALL at (Chatterhope)

County of Northumberland

Observer Newcastle S. Gateshead W. Co.

River Basin North Tyne H.

Type of Gauge.....

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

660605/26

| | | | | | | | | | | | |
|-----------------|------|------|------|------|------|------|------|-------|-------|--------|-------|
| Diameter | | | | | | | | 5 | | | |
| Height | | | | | | | | 1 0 | | | |
| Altitude | | | | | | | | 900 | | | |
| Year | 1931 | 1932 | 1933 | 1934 | 1935 | 1936 | 1937 | 1938 | 1939 | 1940 | Means |
| January | | | | | | | | 7.28 | 6.58 | (2.50) | |
| February | | | | | | | | 1.71 | 5.71 | 1.55 | |
| March | | | | | | | | 2.80 | 4.39 | 5.23 | |
| April | | | | | | | | 1.37 | 1.87 | 2.33 | |
| May | | | | | | | | 2.71 | 1.34 | 1.84 | |
| June | | | | | | | | 4.61 | 3.31 | .90 | |
| July | | | | | | | | 6.76 | 5.11 | 7.37 | |
| August | | | | | | | | 2.31 | 3.70 | 1.72 | |
| September | | | | | | | | 2.73 | 1.75 | 3.31 | |
| October | | | | | | | | 3.88 | 6.12 | 4.00 | |
| November | | | | | | | | 3.42 | 5.51 | 4.82 | |
| December | | | | | | | | 3.79 | 1.68 | 3.64 | |
| TOTALS | | | | | | | | 52.37 | 47.07 | 39.21 | |

1940 Jan corrected for snow.

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. |
|-------|---------|-------|------------------|---------------------|----------------------|----------------|----------------------|-----------------------|
| 1938 | | | Woodburn | 1 1/2 mls | S.E. | Bynness | 2 1/2 mls | S. |

Station No. T.F. 3582/9

RAINFALL at Redewater (Chatterhope)

41

County of Northumberland

Observer Newcastle & Gateshead W.C.

River Basin North Tyne L.

Type of Gauge Self-recording (New type)

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

File No. 660605/26

| Diameter | 5" | 010 | 640 | | | | | | | | |
|-----------|-------|-------|-------|-------|--------|---------|--------|-------|-------|-------|-------|
| Height | 1' 0" | | 1 | | | | | | | | |
| Altitude | 200 | | 41 | 1100' | | | | | | | |
| Year | 1941 | 1942 | 1943 | 1944 | 1945 | 1946 | 1947 | 1948 | 1949 | 1950 | Means |
| January | 3.70 | 4.81 | 6.75 | 4.66 | (6.05) | 3.65 | 4.75 | 10.31 | 3.61 | 2.91 | |
| February | 4.81 | 3.10 | 3.78 | 2.46 | (4.63) | (1.75) | (4.18) | 3.87 | 4.78 | 5.79 | |
| March | 3.30 | 2.27 | 2.27 | .46 | 1.32 | (2.53) | 6.37 | 3.27 | 1.63 | 3.88 | |
| April | 1.40 | 2.13 | 2.80 | 2.01 | 2.82 | .90 | 8.56 | 3.03 | 3.66 | 3.85 | |
| May | 2.00 | 3.51 | 5.91 | 3.27 | 4.39 | 1.39 | 2.98 | 2.13 | 1.90 | 1.86 | |
| June | .77 | .98 | 4.55 | 3.77 | 3.25 | 2.10 | 3.81 | 6.46 | 1.25 | 2.29 | |
| July | .99 | 4.02 | 2.80 | 3.11 | (2.50) | 4.38 | 4.75 | 2.19 | 2.33 | 4.19 | |
| August | 5.11 | 4.11 | 4.82 | 3.08 | 2.12 | 4.29 | .19 | 9.12 | 2.73 | 6.40 | |
| September | .63 | 4.87 | 3.64 | 5.15 | 4.34 | (4.70) | 3.06 | 4.93 | 1.77 | 7.69 | |
| October | 4.26 | 5.40 | 4.30 | 4.53 | 3.64 | .77 | 1.38 | 3.50 | 6.50 | 4.02 | |
| November | 4.06 | .68 | 2.90 | 7.70 | .39 | 8.89 | 5.41 | 2.85 | 5.99 | 6.45 | |
| December | 2.36 | 4.55 | 2.51 | 3.96 | 1.64 | 4.81 | 2.72 | 5.27 | 8.18 | 2.43 | |
| TOTALS | 33.39 | 40.43 | 47.03 | 44.16 | 37.09 | (40.16) | 48.16 | 56.93 | 44.33 | 50.96 | |
| | M | M | M | M | M | M | M | M | M | M | |

1941: Jan. corrected for snow

1942: Temp. well corrected 16.7% Reduction 8.7%

1945: Jan & Feb. affected by July peak etc. other months generally low. Wind with gales.

1946: n.p. Low, Feb. March & Sept. part est'd.

What happened in 1946 - New Bradford gauge brought in possibly

1947: Recd. from 1st. Dec. 1946 - will be set up on near but better site (see file).

650: Temp. & humidity gauge of fine but temp. well which was used in 1943 again needs repair heavy weather. The over exposed on hillside New site which gauge is used below Chard 73 yds E.E. (reference to be set up)

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

Station No.

3580/9

115 50

RAINFALL at

Redewater (Schattlehope)

51

County of

Northumberland

Observer

Newcastle & Gateshead W. Co.

River Basin

North Tyne - H

Type of Gauge

Octapex

Annual Average 46.7 in. based on 3 years obs. un-weighted. Period of average 1881-1915 Ref. 198595

" " 48.68 " " " 1947-57 " " "

File No.

686.605/26 S.

| Diameter ... | 5" | | | | | | | | | | | |
|---------------|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|--|
| Height ... | 1' 0" | | | | | | | | | | | |
| Altitude ... | 100' | | | | | | | | | | | |
| Year ... | 1951 | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 | 1959 | 1960 | Means | |
| January ... | 5.46 | 4.22 | 2.42 | 4.72 | 5.22 | 3.62 | 6.09 | 4.52 | 3.34 | 7.16 | | |
| February ... | 4.13 | .64 | 2.82 | 3.62 | (3.60) | 3.38 | 4.69 | 4.18 | 1.33 | 6.72 | | |
| March ... | 3.09 | 3.12 | .54 | 4.19 | (3.00) | 1.39 | 3.34 | 2.59 | 2.46 | 3.09 | | |
| April ... | 3.51 | 3.74 | 4.63 | .93 | 1.24 | .93 | .77 | 2.54 | 3.59 | 3.43 | | |
| May ... | 2.91 | 2.62 | 2.54 | 6.93 | 3.89 | 1.85 | 2.55 | 5.09 | .96 | 2.82 | | |
| June ... | 1.17 | 2.74 | 3.81 | 2.61 | 1.43 | 3.06 | 2.21 | 3.68 | 3.93 | 2.59 | | |
| July ... | 2.63 | 1.74 | 5.48 | 4.39 | 2.67 | 4.58 | 3.86 | 5.58 | 3.50 | 3.76 | | |
| August ... | 4.46 | 6.69 | 3.98 | 8.33 | 1.15 | 7.96 | 6.55 | 4.21 | 1.06 | 4.96 | | |
| September ... | 4.78 | 3.72 | 4.79 | 5.71 | 2.79 | 3.09 | 3.73 | 3.75 | 1.15 | 2.89 | | |
| October ... | 1.15 | 5.87 | 2.28 | 8.74 | 4.04 | 3.07 | 4.88 | 3.04 | 3.63 | 5.82 | | |
| November ... | 8.81 | 4.52 | 5.48 | 7.89 | 2.38 | 1.78 | 1.86 | 1.05 | 7.31 | 6.37 | | |
| December ... | 6.96 | 5.46 | 2.62 | 5.88 | 6.91 | 6.49 | 3.55 | 5.19 | 8.83 | 5.40 | | |
| TOTALS ... | 49.06 | 45.08 | 41.39 | 63.94 | 38.32 | 41.50 | 43.78 | 45.42 | 41.09 | 55.01 | | |
| | M | M | M | M | M | M | M | M | M | M | | |

30004

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference

NT 26/737024

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

Summary of Earlier Records from 10-year Sheets :

| Record D, or d | 1910-19 | 1920-30 | 1931-40 | 1941-50 | 1951-60 |
|----------------|---------|---------|---------|---------|---------|
| | | | C 1938 | ✓ 1946 | |