

RAINFALL at Feltonlyn (Brown Cose)

County of Cumberland

Observer Manchester Corps. W.W.

River Basin 2 - Derwent

Type of Gauge

Annual Average 97.57 in. based on 72 years obs. un-weighted. Period of average 1916-1950 Ref. c. 1932 660604/26 96738/32

| Diameter | | | | | | | 5 | | | | | |
|-----------|------|--------|-------|--------|-------|--------|-------|--------|-------|-------|-------|-------|
| Height | | | | | | | 10 | | | | | |
| Altitude | | | | | | | 2250 | | | | | |
| Year | 1931 | 1932 | 1933 | 1934 | 1935 | 1936 | 1937 | 1938 | 1939 | 1940 | Means | |
| January | | 20.50 | 13.16 | 16.46 | 3.50 | 15.45 | 20.30 | 14.40 | 14.89 | 1.87 | | 12079 |
| February | | 2.29 | 7.19 | 5.2 | 13.70 | 6.78 | 9.82 | 5.16 | 16.05 | 3.88 | | 6339 |
| March | | 6.20 | 6.86 | 7.60 | 2.20 | 9.62 | 4.00 | 5.39 | 8.89 | 9.63 | | |
| April | | 7.41 | 3.63 | 8.51 | 7.06 | 1.92 | 5.83 | .96 | 3.23 | 4.02 | | |
| May | | 6.18 | 5.14 | 8.20 | 7.5 | 2.15 | 3.81 | 7.60 | 1.89 | 2.80 | | |
| June | | 6.62 | 3.24 | 3.62 | 10.26 | 6.68 | 4.23 | 12.77 | 7.84 | 1.00 | | 5586 |
| July | | 10.47 | 8.80 | 2.44 | 4.11 | 10.50 | 5.03 | 13.63 | 13.50 | 10.27 | | 7855 |
| August | | 2.52 | 5.99 | 10.76 | 4.78 | 4.38 | 4.98 | 5.62 | 4.96 | 3.55 | | 4744 |
| September | | 9.31 | 3.14 | 14.04 | 16.54 | 10.92 | 7.83 | 6.14 | 2.99 | 7.63 | | |
| October | | 13.66 | 7.58 | 12.29 | 15.17 | 7.92 | 7.14 | 20.50 | 5.53 | 10.96 | | |
| November | | 6.94 | 5.43 | 3.71 | 10.38 | 11.66 | 2.25 | 13.66 | 15.63 | 11.26 | | |
| December | | 18.81 | 9.1 | 21.39 | 6.00 | 20.48 | 6.32 | 10.88 | 5.18 | 9.79 | | 0006 |
| TOTALS | | 106.91 | 71.07 | 109.53 | 94.45 | 108.46 | 84.54 | 121.88 | 79.78 | 76.66 | M | |

New gauge installed while selected by us to check at Whitewell. No turf was used
considered necessary.

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 | Direction |
|-------|---------|-------|------------------|---------------------|-----------|----------------|---------------------|-----------|
| | | | | | | | | |

Station No. TF 3633/3

RAINFALL at Helvellyn (Brown Care)

41

County of Cumberland Observer Manchester Corporation W.

River Basin Derwent - 2

Type of Gauge.

Annual Average 27.57 in. based on 22 years obs. un-weighted. Period of average 1916-1950 Ref.

File No. 196738/32

| Diameter | 5' | | | 592 | 864 | | | | | | |
|-----------|-------|-------|--------|---------|---------|--------|--------|--------|-------|---------|-------|
| Height | 1' 0" | | | | | 1 | | | | | |
| Altitude | 2250' | | | | | 41 | | | | | |
| Year | 1941 | 1942 | 1943 | 1944 | 1945 | 1946 | 1947 | 1948 | 1949 | 1950 | Means |
| January | 4.25 | 8.38 | 18.15 | (16.62) | (7.50) | 11.03 | 15.22 | 4.68 | 9.44 | 7.85 | |
| February | 10.63 | 3.25 | 7.46 | (4.93) | (13.00) | 5.15 | (2.50) | 10.16 | 4.83 | (14.00) | |
| March | 4.88 | 8.07 | 3.49 | (1.22) | 5.56 | 5.61 | (9.60) | 9.69 | 2.84 | 6.27 | |
| April | 4.81 | 6.21 | 5.26 | (5.68) | 3.72 | 2.55 | 13.29 | 3.88 | 11.47 | 6.18 | |
| May | 5.71 | 9.66 | 8.32 | (4.32) | 6.73 | 2.10 | 5.58 | 3.65 | 4.96 | 3.77 | |
| June | .76 | 2.01 | 6.78 | (7.04) | 6.86 | 7.79 | 6.09 | 11.75 | 2.08 | 4.60 | |
| July | 2.29 | 6.16 | 6.04 | 4.72 | 6.57 | 6.47 | 5.97 | 6.63 | 3.10 | 7.03 | |
| August | 14.08 | 11.06 | 13.91 | 5.84 | 2.82 | 11.99 | .07 | 11.38 | 6.34 | 10.11 | |
| September | 2.64 | 10.32 | 10.99 | 9.02 | 10.27 | 15.57 | 7.89 | 10.95 | 4.26 | 21.64 | |
| October | 8.74 | 10.28 | 14.40 | 10.65 | 12.49 | 1.43 | 2.42 | 8.05 | 13.01 | 8.46 | |
| November | 8.40 | 2.69 | 5.44 | 15.03 | 7.8 | 18.86 | 15.80 | 8.88 | 16.65 | 9.46 | |
| December | 5.88 | 17.10 | 5.84 | 10.69 | 9.44 | 12.18 | 4.50 | 4.19 | 15.82 | 3.47 | |
| TOTALS | 73.07 | 95.19 | 106.10 | (9576) | 85.74 | 100.73 | 88.93 | 113.79 | 97.80 | 107.84 | |
| | n | M | M | n.p. | n.p. | n.p. | n.p. | n.p. | M | M | 10 |

1944 Jan - March part est'd. n.p. too much estimation 30004

June

30004

1945 n.p. low Jan + Feb part est'd. 1946 n.p. low

1947 Feb March est. for Mar. n.p. low.

1950 Feb est.

41004 60004

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 | Parish Church. | Distance from gauge |
|-------|---------|-------|------------------|---------------------|-----------|----------------|---------------------|
| | | | | | | | |

Station No. 3633/3 72 ✓ 39

RAINFALL at ⁵ Helvellyn (Brown Cove)

51

County of Cumberland

Observer Manchester Gascoyne H. M.

River Basin Derwent - 2

Type of Gauge.

Annual Average in. based on years obs. un-weighted. Period of average 1916-50
 " " 97.51 " 22 " with 1932-57 " " File No. 196735/32
 EZ0134/50 £24442/52

| Diameter ... | 5" | | | | 592 | 864 | | | | | |
|--------------|---------|-------|-------|--------|-------|-------|-------|-------|-------|--------|-------|
| Height ... | 1' 0" | | | | | | 1 | | | | |
| Altitude ... | 1800' | | | | | | 51 | | | | |
| Year ... | 1951 | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 | 1959 | 1960 | Means |
| January | (10.50) | 8.21 | 5.41 | 7.37 | 7.96 | 6.27 | 14.06 | 8.45 | 5.44 | 10.75 | |
| February | (10.30) | 2.89 | 4.62 | 7.75 | 3.46 | 1.81 | 10.14 | 9.20 | 2.57 | 12.43 | |
| March | (8.20) | 6.50 | 1.24 | 7.70 | 3.64 | 3.66 | 6.51 | 1.88 | 7.33 | 2.76 | |
| April | (7.00) | 6.63 | 6.52 | 2.33 | 3.89 | 2.38 | 1.85 | 2.91 | 7.64 | 8.32 | |
| May | 4.17 | 5.94 | 4.97 | 7.59 | 8.63 | 4.75 | 4.11 | 9.01 | 2.17 | 3.86 | |
| June | 1.69 | 4.13 | 4.75 | 7.68 | 6.86 | 5.67 | 2.15 | 6.90 | 6.15 | 4.68 | |
| July | 5.71 | 5.58 | 12.83 | 8.68 | 4.00 | 8.93 | 6.46 | 5.27 | 8.16 | 9.47 | |
| August | 10.40 | 12.37 | 9.31 | 9.90 | 4.61 | 15.55 | 9.74 | 7.13 | 1.52 | 5.93 | |
| September | 13.80 | 8.42 | 13.78 | 14.22 | 6.23 | 7.62 | 9.08 | 10.72 | 1.30 | 5.85 | |
| October | 1.54 | 11.92 | 5.41 | 21.52 | 7.85 | 5.96 | 9.75 | 8.67 | 11.07 | 8.26 | |
| November | 24.08 | 4.59 | 16.76 | 24.91 | 5.71 | 3.05 | 4.11 | 1.57 | 13.92 | 23.13 | |
| December | 13.80 | 6.83 | 6.03 | 11.68 | 11.94 | 13.76 | 9.14 | 8.04 | 19.51 | 10.93 | |
| TOTALS ... | 111.19 | 84.01 | 91.63 | 131.33 | 14.78 | 79.41 | 87.10 | 79.75 | 86.78 | 106.37 | |
| | M | M | M | M | | NP. | 1/10 | 10 | 1/10 | M | M |

1955 March part est. 110.36.

1956 Jan. est. 110.3. NP. low.

1957 112. low

1958 10 low

1959 19 low

Fish. July 1956 Ditches. of E-W → N. Stream has washed away turf wall, presumably, removing a wooden wall which is likely to produce undesirable wind addles. Recommended re-site 15 feet NE and turf wall constructed. October 1956 recommended carried out.

Position of Station on Ordnance One-Inch map : No. of Map National Grid Reference 35/327163

| Date. | Lat. N. | Long. | Railway Station. | Distance from gauge | Parish Church. | Distance from gauge |
|-------|---------|-------|------------------|---------------------|----------------|---------------------|
| 14004 | | | | | | |

Summary of Earlier Records from 10-year Sheets :

| Record D. or d. | 1910-19 | 1920-30 | 1931-40 | 1941-50 | 1951-60 |
|-----------------|---------|---------|---------|-------------|---------|
| | | | C 1932 | ✓ n 1044-48 | |