

DAILY PRECIPITATION IN INCHES --- January 1999

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+++++
OBSV
TIME 1800 1900 2400 0900 1700 1530 0700 0630 TIME
+++++
GAGE 1 2 3 4 5 6 7 8 9 10 GAGE
+++++
SECT NW SE NE SE NW NW SW NW NE SECT
+++++
DATE DATE
1 * 0.00 0.00 0.00 0.10s M 0.00 * 1
2 * 0.60s 0.90s 0.15 1.10s M 0.74 * 2
3 * 0.00 0.25 * 0.25 M 0.24 * 3
4 * 0.00 0.00 * 0.00 M 0.00 * 4
5 * 0.00 0.00 * 0.00 M 0.00 * 5
6 * 0.00 0.30s * 0.05s M 0.00 * 6
7 * 0.30s 0.00 1.30 0.05e M 0.00 1.00 7
8 * T 0.20s 0.50 0.60s M 0.00 * 8
9 * 0.00 0.00 0.50 0.20s M 0.00 * 9
10 * 0.00 0.10s 0.00 0.00 M 0.00 * 10
11 * 0.00 0.10s 0.00 0.10s M 0.00 * 11
12 * 0.00 0.25 0.10 0.00 M 0.05 * 12
13 * 0.00 0.20s 0.20 0.40s M * * 13
14 * 0.07s 0.00 0.20 T M 0.65 * 14
15 * 0.10s 0.10s 0.00 0.20s M 0.00 * 15
16 * 0.00 0.00 0.10 0.00 M 0.00 * 16
17 * 0.35 0.25 0.20 0.00 M 0.05 * 17
18 * 0.00 T 0.00 0.30 * 0.28 2.60 18
19 * 0.01 0.00 0.00 0.00 * 0.00 0.00 19
20 * 0.01 0.00 0.00 T * 0.32 0.00 20
21 2.60 0.50 0.50 0.20 0.36 0.80 0.00 0.00 21
22 * 0.00 0.00 0.20 0.21 M 0.30 0.45 22
23 * 0.20 T 0.00 0.05 M 0.00 0.00 23
24 * 0.00 0.00 0.00 0.00 M 0.07 0.00 24
25 * 0.00 0.00 0.00 0.00 0.00 0.00 0.00 25
26 * 0.00 T 0.00 0.00 0.00 0.00 0.00 26
27 0.20 0.00 0.00 0.00 T 0.00 0.00 0.00 27
28 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 28
29 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 29
30 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 30
31 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 31
-----
TOT. 2.80 2.14 3.15 3.65 3.97e M 2.70 3.91 4.05 TOT.
1999 2.80 2.14 3.15 3.65 3.97e M 2.70 3.91 4.05 1999

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LOCATION / NEAREST MAJOR INTERSECTION COUNTY OBSERVER
+++++
1 Riverside Dr. / W. Case Rd. ----- Franklin -- Becky & John Flais
2 Rt. 256 / Hill Rd. ----- Fairfield -- Don Peer
3 N. Hamilton Rd. / Havens Corners Rd. --- Franklin -- Steve Davies
4 Livingston Ave. / Roosevelt Ave. ----- Franklin -- Bill Doyle
5 Rt. 315 / W. Orange Rd. ----- Delaware -- Judi Brozek
6 Smoky Row Rd. / Sawmill Blvd. ----- Franklin -- Mike Blubaugh
7 Rt. 62 / Briggs Rd. ----- Franklin -- Gunner Veltheims
8 Dublin Rd. / Scioto & Darby Creek Rd. -- Franklin -- Chuck Hahn
9
10 Morse Rd. / Cherrybottom Rd. ----- Franklin -- Bob Peterfish

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DAILY PRECIPITATION IN INCHES --- January 1999

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+++++
OBSV
TIME 2400          2400 2400 0700          2400 1800          OBSV
+++++
GAGE 11 12 13 14 15 16 17 18 19 20 GAGE
+++++
SECT NE SE NE NE NE NW SW NW SE NE SECT
+++++
DATE
1 0.00          0.00 0.00 M          0.00 0.00          1
2 0.51          0.30 0.33 M          0.84 0.20s         2
3 0.03          0.05 0.00 M          0.05 0.00          3
4 T          0.00 0.00 M          0.00 0.00          4
5 0.00          0.00 0.00 0.00          0.00 0.25s         5
6 0.09          0.00 0.00 T          0.23 0.00          6
7 0.02          0.00 0.00 0.20s         0.00 0.00          7
8 0.59          0.00 0.00 0.20s         0.59 0.00          8
9 0.07          0.00 0.00 M          0.14 0.30s         9
10 0.01          0.00 0.00 M          0.00 0.00         10
11 0.06          0.00 0.35 0.40          0.06 0.00         11
12 0.01          0.31 0.25 0.05          0.00 0.00         12
13 0.47          0.16 0.03 0.15          0.65 0.00         13
14 0.10          0.00 0.00 *          0.18 0.25         14
15 0.01          0.00 0.00 0.50          0.03 0.00         15
16 0.00          0.27 0.33 0.00          0.00 0.00         16
17 0.33          0.28 0.44 0.00          0.32 0.25         17
18 T          0.01 0.00 0.35          0.01 0.25         18
19 T          0.00 0.00 0.00          0.00 0.00         19
20 0.03          0.00 0.00 T          0.00 0.50         20
21 0.43          0.45 0.52 0.05          0.49 0.00         21
22 0.00          0.09 0.04 0.35          0.00 0.00         22
23 0.11          0.07 0.02 0.00          0.06 0.25         23
24 0.00          0.00 0.00 0.00          0.00 0.00         24
25 T          0.00 0.00 0.00          0.00 0.35         25
26 0.00          0.00 0.00 0.00          0.00 0.00         26
27 0.00          0.00 0.00 0.00          0.00 0.00         27
28 0.00          0.00 0.00 0.00          0.00 0.00         28
29 0.00          0.00 0.00 0.00          0.00 0.00         29
30 0.00          0.00 0.00 0.00          0.00 0.00         30
31 0.00          0.00 0.00 0.00          0.00 0.00         31
-----
TOT. 2.87 3.83 3.28 1.99 2.31 M 4.10 3.65 2.60 3.30 TOT.
1999 2.87 3.83 3.28 1.99 2.31 M 4.10 3.65 2.60 3.30 1999

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LOCATION / NEAREST MAJOR INTERSECTION COUNTY OBSERVER
+++++
11 17th Ave. / Stelzer Rd. ----- Franklin -- Nat. Weather Service
12 Parsons Ave. / Rt. 317 ----- Franklin -- Parsons Av. Water Plt.
13 Morse Rd. / Cherrybottom Rd. ----- Franklin -- Morse Rd. Water Plt.
14 Rt. 23 / Coover Rd. ----- Delaware -- Delaware Water Plt.
15 Berlin Station Rd. / North St. ----- Delaware -- Delaware Wastewtr. Plt.
16 Rt. 42 / Rt. 161 ----- Madison --- Rose Marie Grubb
17 Stringtown Rd. / I-71 ----- Franklin -- Stan Norris
18 Kenny Rd. / Chambers Rd. ----- Franklin -- Al Sedam
19 Winchester Pike / Brice Rd. ----- Franklin -- George Hall
20 W. Main St. / Cleveland Ave. ----- Franklin -- Westerville Water Plt.

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DAILY PRECIPITATION IN INCHES --- January 1999

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+++++
OBSV
TIME  2030      1800  0930  1800  0700  1900      0700  0600  TIME
+++++
GAGE   21      22      23      24      25      26      27      28      29      30  GAGE
+++++
SECT   SE      NE      SW      NE      NW      SE      NW      SW      SE      SE  SECT
+++++
DATE
1      M      T      0.00  0.00  0.00      0.00  T      1
2      M      0.75s  0.60  0.50  0.80a  0.00  0.25  2
3      M      1.00  0.30  0.15  0.40  1.15  1.00  3
4      M      M      *      0.02  0.05  0.00  0.01  4
5      M      M      0.05  0.00  0.00  0.00  T      5
6      M      M      0.24  0.00  0.20b  T      0.01  6
7      M      M      *      0.13  *      0.00  0.48  7
8      M      M      0.50  0.12  0.42  0.30s  0.18  8
9      M      M      0.00  0.52  *      0.00  0.60  9
10     M      M      0.28  0.00  0.28  0.00  T      10
11     M      M      0.00  0.03  0.28  0.00  0.01  11
12     M      M      *      0.02  0.02  0.10  0.12  12
13     M      M      0.60  0.10  0.60  0.35  0.20  13
14     M      M      0.25  0.55  0.20  0.00  0.65  14
15     M      M      0.05  0.60  0.07  0.00  0.10  15
16     M      M      0.00  0.02  *      0.00  0.02  16
17     M      0.00  *      0.00  0.12  0.30  0.00  17
18     0.35  0.10  0.28  0.26  0.20  0.00  0.36  18
19     0.00  T      0.00  0.01  0.05  0.10  T      19
20     0.00  T      0.00  0.02  0.05  0.00  0.01  20
21     0.31  0.20  0.40  0.01  0.20  T      T      21
22     0.24  T      0.20  0.45  0.20  1.50  0.58  22
23     0.00  T      T      0.04  *      0.10  0.10  23
24     0.00  0.00  0.00  0.02  *      0.00  0.04  24
25     0.00  0.00  0.00  0.00  0.08  0.00  0.00  25
26     0.00  0.00  0.00  0.00  0.00  0.00  T      26
27     0.00  0.00  0.00  0.00  0.00  0.00  0.00  27
28     0.00  0.00  0.00  0.00  0.00  0.00  0.00  28
29     0.00  0.00  0.00  0.00  0.00  0.00  0.00  29
30     0.00  0.00  0.00  0.00  0.00  0.00  0.00  30
31     0.00  0.00  0.00  0.00  0.00  0.00  0.00  31
-----
TOT.   M      3.12  2.05+      3.75  3.57  4.22  3.67  3.90  4.72  TOT.
1999   M      3.12  2.05+      3.75  3.57  4.22  3.67  3.90  4.72  1999

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LOCATION / NEAREST MAJOR INTERSECTION  COUNTY  OBSERVER
+++++
21  Lockbourne Rd. / Whittier St. -----  Franklin --  Marc Pozza
22  Rt. 161 / Cleveland Ave. -----  Franklin --  Scott Kirk
23  Hague Ave. / Sullivant Ave. -----  Franklin --  Elizabeth Vincent
24  Rt. 3 / Rt. 61 -----  Delaware --  Glenn Hayes
25  Wilson Rd. / Fisher Rd. -----  Franklin --  Leslie Rausch
26  Main St. / Yearling Rd. -----  Franklin --  Andy Brake
27  Bethel Rd. / Godown Rd. -----  Franklin --  Linda Myer
28  Rt. 40 / Rt. 56 -----  Madison ---  London Fish Hatchery
29  Rt. 256 / Rt. 188 -----  Fairfield -  Terrie Longhenry
30  Lancaster Ave. / Rodebaugh Rd. -----  Franklin --  Gary & Carol Kessler

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DAILY PRECIPITATION IN INCHES --- January 1999

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OBSV
TIME      0800      1800                      0800      1900      0600      0630      2300      TIME
+++++
GAGE      31        32        33        34        35        36        37        38        39        40      GAGE
+++++
SECT      NE        NW        SE                      SE        NE        NE        NE        NW        NW      SECT
+++++
DATE
1          *        0.00                      0.00          0.00      0.00          1
2          *          *                      0.80          0.50s  0.57          2
3          *          *                      1.00          0.20      0.52          3
4          *          *                      0.00          T        0.03          4
5          *          *                      0.00          0.50s  T          5
6          *        2.10                      0.05          0.20s  0.01          6
7          *        0.00                      0.17          T        0.31          7
8          *        0.58s                      0.20          0.00      0.17          8
9          *        0.10s                      0.50          0.20      *          9
10         2.40      *                      0.00          0.00      *          10
11         0.00      *                      0.00          0.00      0.45          11
12         0.00      *                      0.07          0.00      0.10          12
13         0.00      0.80s                      0.17          0.00      0.21          13
14         0.00      *                      0.52          0.00      0.34          14
15         0.00      *                      0.08          0.00      0.08          15
16         0.40      *                      0.01          0.00      0.01          16
17         0.00      *                      0.00          0.90      0.00          17
18         0.00      *                      0.39          0.20      0.39          18
19         0.34      *                      0.00          0.10      0.04          19
20          *        *                      0.06          *        T          20
21          *        *                      0.19          0.50      0.01          21
22          *        0.62                      0.39          0.10      0.40          22
23          *        T                      0.06          0.10      0.04          23
24          *        T                      0.00          *        0.02          24
25         0.55      T                      0.00          *        0.00          25
26         0.00      T                      0.07          0.10      0.00          26
27         0.00      0.00                      0.00          0.00      0.00          27
28         0.00      0.00                      0.00          0.00      0.00          28
29         0.00      0.00                      0.00          0.00      0.00          29
30         0.00      0.00                      0.00          0.00      0.00          30
31         0.00      0.00                      0.00          0.00      0.00          31
-----
TOT.      3.69      4.20      3.74                      4.73      M      3.60      3.70      M      2.52  TOT.
1999      3.69      4.20      3.74                      4.73      M      3.60      3.70      M      2.52  1999

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LOCATION / NEAREST MAJOR INTERSECTION      COUNTY      OBSERVER
+++++
31 Rt. 62 / Morse Rd. ----- Franklin -- Dave Hussey
32 Cole Rd. / Feder Rd. ----- Franklin -- John Fargo
33 Livingston Ave. / Rose Hill Rd. ----- Franklin -- Blacklick Woods
34
35 Main St. / McNaughten Rd. ----- Franklin -- Janet Kocher
36 Rt. 3 / Rt. 37 ----- Delaware -- James Jett
37 Morse Rd. / Clark State Rd. ----- Licking --- Dale Goodman
38 Rt. 605 / Central College Rd. ----- Franklin -- Jim Truax
39 Alton & Darby Creek Rd. / Renner Rd. --- Franklin -- Dick Conrad
40 Amity Rd. / Feder Rd. ----- Franklin -- Dave Cashell

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DAILY PRECIPITATION IN INCHES --- January 1999

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OBSV
TIME      1830      1800      1900      1900      1900      1930      OBSV
+++++
GAGE      41      42      43      44      45      46      47      48      49      50      GAGE
+++++
SECT      NW      NW      NE      NE      SW      SE      SECT
+++++
DATE
1          *          0.00      0.00      0.00      0.00      1
2          *          *      0.70      0.60s      *      2
3          *          *      0.25      0.00      0.28      3
4          *          *      0.00      0.00      0.00      4
5          *          *      0.00      0.00      0.00      5
6          *          *      0.22      0.20s      *      6
7          *          *      0.00      0.00      0.20      7
8          1.30s      *      0.40      0.30s      0.28      8
9          T          *      0.10      0.10s      0.25      9
10         T          *      0.00      0.00      0.00      10
11         *          *      0.11      0.20s      0.08      11
12         *          1.80      0.00      0.00      0.00      12
13         *          0.00      0.47      0.00      0.47      13
14         *          0.30      0.15      0.00      0.45      14
15         *          0.00      0.03      0.10s      0.06      15
16         *          0.00      0.00      0.00      0.00      16
17         0.60      *      0.00      0.00      0.18      17
18         0.00      0.80      0.35      0.00      0.05      18
19         0.00      0.00      0.00      0.00      0.00      19
20         0.00      *      0.00      0.00      0.00      20
21         0.10      0.30      0.20      0.60      0.30      21
22         0.25      T      0.20      *      0.20      22
23         T          0.00      *      0.85      0.05      23
24         0.00      0.00      *      0.00      0.00      24
25         0.00      0.00      *      0.00      0.00      25
26         0.00      0.00      *      0.00      0.00      26
27         0.00      0.00      *      0.00      0.00      27
28         0.00      0.00      *      0.00      0.00      28
29         0.00      0.00      *      0.00      0.00      29
30         0.00      0.00      *      0.00      0.00      30
31         0.00      0.00      0.05      0.00      0.00      31
-----
TOT.      M          2.25      3.20      3.23      2.95      2.85      TOT.
1999      M          2.25      3.20      3.23      2.95      2.85      1999

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LOCATION / NEAREST MAJOR INTERSECTION      COUNTY      OBSERVER
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41
42 Rt. 315 / Jewett Rd. ----- Delaware -- Walt Ramey
43
44 Hyatts Road / Taggert Rd. ----- Delaware -- Anne Weekes
45
46
47 Rt. 62 / Rt. 37 ----- Licking --- Brittany Crawford
48 Agler Rd. / Stygler Rd. ----- Franklin -- Roger Adkins
49 Rt. 762 / Rt. 104 ----- Pickaway -- Trent Branson
50 Rt. 40 / Waggoner Rd. ----- Franklin -- Richard Tennant

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DAILY PRECIPITATION IN INCHES --- January 1999

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+++++
OBSV
TIME      1000      0600      0800      0700      1700      1900      1600      1800      OBSV
+++++
GAGE      51       52       53       54       55       56       57       58       59       60      GAGE
+++++
SECT      NW       NE       NW       SE       SW       NW       NW       NW       SECT
+++++
DATE
1         0.80s      0.03      0.00      0.00      0.00      0.00      0.00      0.00      0.00      1
2         0.05s      0.20      0.88      0.00      1.00s     0.75      0.80      0.10      2
3         0.00       0.45      0.26      0.89      0.10s     *         0.25      0.35      3
4         0.00       0.10      0.01      0.00      0.00      0.28      T         T         4
5         0.00       0.00      0.00      0.00      0.00      0.00      0.00      0.00      5
6         0.23s      0.05      0.08      0.01      T         0.25      0.10      *         6
7         0.15s      0.25      0.05      0.24      0.30s     *         0.10      0.35      7
8         0.25s      0.10      0.23      0.16      0.30s     0.45      0.35      0.35      8
9         0.03s      0.05      0.50      0.75      *         0.18      *         0.24      9
10        0.01s      0.05      0.00      0.00      *         T         *         *         10
11        0.08s      0.00      T         0.00      *         0.12      *         0.10      11
12        0.04s      0.10      0.07      0.07      *         T         0.30      0.00      12
13        0.03s      2.00      0.00      0.17      2.00      0.60      *         *         13
14        0.03s      0.10      0.83      0.65      0.00      0.12      *         0.20      14
15        T         0.05      0.00      0.12      0.00      0.04      *         0.04      15
16        0.00       0.05      0.04      0.00      0.00      0.00      0.70      0.00      16
17        0.00       0.10      T         0.00      0.00      T         0.00      0.00      17
18        T         0.80      0.23      0.00      0.45      0.30      0.30      0.28      18
19        0.10       0.00      0.02      0.28      0.00      0.00      T         0.00      19
20        0.00       0.00      T         0.00      0.00      T         T         0.04      20
21        0.10       0.00      0.18      0.30      0.80      0.20      0.15      0.16      21
22        0.10       0.60      0.30      0.42      0.50      0.15      0.20      0.20      22
23        0.00       0.05      T         0.00      0.00      0.04      0.05f     0.08      23
24        0.00       0.03      0.00      0.07      0.00      T         T         0.00      24
25        0.00       0.00      0.00      *         0.00      0.00      0.00      0.00      25
26        0.00       0.00      0.00      *         0.00      0.00      0.00      0.00      26
27        0.00       0.00      0.00      0.15      0.00      0.00      0.00      0.00      27
28        0.00       0.00      0.00      0.00      0.00      0.00      0.00      0.00      28
29        0.00       0.00      0.00      0.00      0.00      0.00      0.00      0.00      29
30        0.00       0.00      0.00      0.00      0.00      0.00      0.00      0.00      30
31        0.00       0.00      0.00      0.00      0.00      0.00      0.00      0.00      31
-----
TOT.      2.00       5.16      3.68      4.28      5.45      3.48      3.30      2.49      TOT.
1999      2.00       5.16      3.68      4.28      5.45      3.48      3.30      2.49      1999

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LOCATION / NEAREST MAJOR INTERSECTION      COUNTY      OBSERVER
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51
52 Henderson Rd. / Sawmill Rd. ----- Franklin -- Bob Becker
53
54 Rt. 161 / Rt. 310 ----- Licking --- Jeff Mechwart
55 Northwest Blvd. / N. Star Rd. ----- Franklin -- Harry Parsons
56 Main St. / Lancaster Ave. ----- Franklin -- Reynoldsburg Water Plt.
57 Alton Rd. / O'Harra Rd. ----- Franklin -- Don Dellinger
58 Linworth Rd. / Wilson Bridge Rd. ----- Franklin -- Mark Vogt
59 Reed Rd. / Henderson Rd. ----- Franklin -- Betsy Ellinger
60 Amity Rd. / Patterson Rd. ----- Franklin -- Kay Boggs

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DAILY PRECIPITATION IN INCHES --- January 1999

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OBSV
TIME          1300   0630   0600   0700   0700   0730   1730   2130   OBSV
+++++
GAGE    61    62    63    64    65    66    67    68    69    70    GAGE
+++++
SECT          SW     NE     NE     NE     NW     SW     NE     NE     SECT
+++++
DATE
1          0.00   0.00   0.00   0.00   0.00   0.00   0.00   M    1
2          0.00   0.03   *    0.80   0.46   0.47   M    2
3          0.00   0.40   *    0.00   1.18   0.00   M    3
4          T    0.00   *    0.00   *    0.00   M    4
5          T    0.00   0.60   0.00   *    0.00   M    5
6          0.30   0.08s  *    0.21   0.21   0.00   M    6
7          0.20   0.39s  0.18  0.23   *    0.00   M    7
8          *    0.00   *    0.10   *    0.00   M    8
9          *    0.60   *    0.12   0.74   0.29   M    9
10         0.40   0.00   *    0.18   0.00   *    M   10
11         0.20   0.10   *    0.17   0.36   0.09   M   11
12         0.20   0.30   *    0.00   0.11   0.01   M   12
13         0.50   0.00   0.75  0.23   0.16   0.60   M   13
14         0.10   0.00   *    0.10   0.62   0.19   M   14
15         *    0.20s  0.60   0.00   0.00   0.05   M   15
16         *    0.00   0.00   0.00   0.00   *    M   16
17         *    0.00   0.00   0.24   0.05   *    M   17
18         0.30   1.20   0.29   0.00   0.18   *    M   18
19         0.50   0.20   0.00   0.00   0.03   *    M   19
20         T    0.00   0.02   0.00   0.00   0.30   M   20
21         0.30   0.00   0.02   0.48   0.18   0.20   M   21
22         *    0.60   0.37   0.00   0.23   *    M   22
23         *    T    0.00   0.04   0.03   *    0.35  23
24         0.10   T    0.00   0.00   T    *    0.00  24
25         0.00   0.00   0.04   0.00   0.00   0.23   0.00  25
26         0.00   0.00   T    0.00   0.00   0.00   0.00  26
27         0.00   0.00   0.00   0.00   0.00   0.00   0.00  27
28         0.00   0.00   0.00   0.00   0.00   0.00   0.00  28
29         *    0.00   0.00   0.00   0.00   0.00   0.00  29
30         *    0.00   0.00   0.00   0.00   0.00   0.00  30
31         0.10   0.00   0.00   0.04   0.00   0.00   0.00  31
-----
TOT.          3.20   4.10   2.87   3.02   4.54   2.43   M   TOT.
1999          3.20   4.10   2.87   3.02   4.54   2.43   M   1999

```

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LOCATION / NEAREST MAJOR INTERSECTION      COUNTY      OBSERVER
+++++
61
62
63  Kropp Rd. / Neff Rd. ----- Franklin -- Clay & Karla Kowar
64  High St. / Wilson Bridge Rd. ----- Franklin -- Worthington DPS
65  Rt. 661 / Granger St. ----- Licking --- Scott McClintock
66  Rt. 62 / Granville St. ----- Franklin -- EMH&T / Bob Davis
67  Rt. 23 / Winter Rd. ----- Delaware -- Mike Grimes
68  Sullivant Ave. / Norton Rd. ----- Franklin -- Dan Province
69  Cleveland Ave. / Innis Rd. ----- Franklin -- Cathy Peterfish
70  Karl Rd. / Rt. 161 ----- Franklin -- Jubes Tocci

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DAILY PRECIPITATION IN INCHES --- January 1999

```

+++++
OBSV
TIME    0700                0630    1800    1700    0700    0600    2100    0700    TIME
+++++
GAGE     71     72     73     74     75     76     77     78     79     80    GAGE
+++++
SECT     NW                NW     NW     SE     NE     NE     NW     NE     SECT
+++++
DATE
1      0.40                M    0.00     *      T      T    0.00    0.00    1
2      0.40                M    0.21     *    0.25  0.45s  0.62     *    2
3      0.30                M      *    0.90    0.00    0.20    0.17    1.10    3
4        T                M    0.51    0.00    0.45     T      T      *    4
5        *                M    0.00    0.00    0.00    0.00    0.00     *    5
6        *                M    0.29    0.11     T    0.25s  0.19     *    6
7        *                M    0.17    0.08    0.15    0.05s  0.04    0.40    7
8        *                M    0.40    0.20    0.10    0.50    0.51    0.10    8
9        *                M    0.09    0.33    0.40     T    0.17    0.50    9
10       *                M    0.03     T    0.00     T      T    0.00   10
11       *                M    0.09    0.00    0.00    0.05s  0.09    0.00   11
12      0.70                M      T    0.10    0.05    0.25    0.01    0.20   12
13      0.30                M      *    0.54    0.15    0.50    0.59    0.20   13
14       *                M    0.44     *    0.50    0.13    0.17    0.50   14
15       *                M    0.04    0.20     T    0.18s  0.03    0.12   15
16       *                M    0.00    0.00    0.00     T    0.00    0.00   16
17      1.30                M      *    0.00    0.00     T    0.16    0.00   17
18      0.50                M    0.27    0.32    0.29    0.00    0.20    0.40   18
19      0.10                M    0.00    0.00    0.00    0.00    0.00    0.00   19
20      0.00                M    0.00    0.04    0.00     *    0.04    0.00   20
21      0.20                M    0.29    0.26    0.00    0.13    0.19    0.30   21
22      0.60                M    0.26    0.26    0.29     *    0.29    0.00   22
23      0.10                0.05    0.01    0.06    0.00    0.10    0.02    0.00   23
24      0.00                0.00    0.00     T    0.00    0.00    0.00    0.00   24
25      0.00                0.00    0.00     T    0.00     T    0.00    0.00   25
26      0.00                0.00    0.00    0.00    0.00    0.00    0.00    0.00   26
27      0.00                0.00    0.00    0.00    0.00    0.00    0.00    0.00   27
28      0.00                0.00    0.00    0.00    0.00    0.00    0.00    0.00   28
29      0.00                0.00    0.00    0.00    0.00    0.00    0.00    0.00   29
30      0.00                0.00    0.00    0.00    0.00    0.00    0.00    0.00   30
31      0.00                0.00    0.00    0.00     T    0.00    0.00    0.00   31
-----
TOT.    4.90                M    3.10    3.40    2.63    2.79    3.49    3.82  TOT.
1999    4.90                M    3.10    3.40    2.63    2.79    3.49    3.82  1999

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LOCATION / NEAREST MAJOR INTERSECTION      COUNTY      OBSERVER
+++++
71  W. 5th St. / Park Ave. ----- Union ----- Steve Drake
72
73
74  Williamsport Rd. / Rt. 23 ----- Marion ---- Greg Stevens
75  Hyland-Croy Rd. / Mitchell Rd. ----- Union ---- Shirley & Lester Eyre
76  High St. / Greenlawn Ave. ----- Franklin -- Renee Velkoff
77  Powell Rd. / Rt. 23 ----- Delaware -- Bonny Elifritz
78  Rt. 13 / Gingerhill Rd. ----- Licking --- John & Deb Klintworth
79  Grandview Ave. / W. First Ave. ----- Franklin -- Vance Nichols
80  Rt. 310 / Hollow Rd. ----- Licking --- Bill Wright

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DAILY PRECIPITATION IN INCHES --- January 1999

```

+++++
OBSV
TIME 1900      1700  1730      1800      1800      0730  TIME
+++++
GAGE  81      82      83      84      85      86      87      88      89      90  GAGE
+++++
SECT  NE      SW      NE      SE      NW      NW      NW      SECT
+++++
DATE                                     DATE
1    0.00      0.00  0.10s      0.00      0.00      0.00      1
2    0.70      0.80  0.80s      0.40      1.13      0.50      2
3    0.00      T    0.50      0.04s      0.24      0.02      3
4    0.30      0.00  T      0.00      T      0.00      4
5    0.00      T    0.00      0.00      0.00      0.00      5
6    0.20      0.30s 0.10s      0.50s      0.06      0.08      6
7    0.10      0.10s 0.00      0.03      0.18      0.02      7
8    0.40      0.20s 0.10s      0.30      0.34      0.90      8
9    0.15e?    0.00  0.30s      0.30      0.28      0.07      9
10   0.05      0.00  T      0.02      T      0.00      10
11   0.15      0.00  M      0.02      0.06      0.05      11
12   0.00      0.00  M      0.00      0.00      0.00      12
13   0.70      0.02s  M      0.30      0.54      0.45      13
14   0.30      0.05s  M      0.20      0.15      0.10      14
15   0.15      T    M      0.05      0.04      0.00      15
16   0.00      0.00  M      0.00      0.00      0.00      16
17   0.00      0.00  M      0.00      T      0.30      17
18   0.30      0.00  M      0.30      0.30      0.00      18
19   0.00      0.00  M      0.30      0.00      0.00      19
20   0.00      0.00  M      0.00      0.02      0.00      20
21   0.10      0.20  M      0.50      0.23      0.50      21
22   0.20      T    M      0.50      0.20      0.08      22
23   0.05      T    M      0.02      0.04      0.00      23
24   0.00      0.00  M      0.00      T      0.00      24
25   0.00      0.00  M      0.00      T      0.00      25
26   0.00      0.00  M      0.00      0.00      0.00      26
27   0.00      0.00  M      0.00      0.00      0.00      27
28   0.00      0.00  M      0.00      0.00      0.00      28
29   0.00      0.00  M      0.00      0.00      0.00      29
30   0.00      0.00  M      0.00      0.00      0.00      30
31   0.00      0.00  M      0.00      0.00      0.20      31
-----
TOT.  3.85      1.67?  M      3.78      3.81  3.47  3.27  TOT.
1999  3.85      1.67?  M      3.78      3.81  3.47  3.27  1999

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LOCATION / NEAREST MAJOR INTERSECTION      COUNTY      OBSERVER
+++++
81 Rt. 62 / Rt. 13 ----- Licking --- Craig & Tina Pargeon
82
83 Darby Creek Dr. / Alkire Rd. ----- Franklin -- Bill & Jan Porter
84 Morse Rd. / Westerville Rd. ----- Franklin -- Barbara Price
85
86 Rt. 33 / Diley Rd. ----- Fairfield - Tom Sibbalds
87
88 Wilcox Rd. / Shier Rings Rd. ----- Franklin -- Bob Davis
89 Hayden Run Rd. / Wilcox Rd. ----- Franklin -- Jim Sanderson
90 Lane Ave. / Northwest Blvd. ----- Franklin -- Cheryl Cockrell

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DAILY PRECIPITATION IN INCHES --- January 1999

```

+++++
OBSV
TIME    0800    1800    1900                2300                1900    1830                OBSV
+++++
GAGE     91     92     93     94     95     96     97     98     99    100  GAGE
+++++
SECT     SE     NW     NE                NE                NE     NW                SECT
+++++
DATE
1          M          *          *    0.00          1
2          M          *          *    0.80s         2
3          M          0.38          *    0.10          3
4          M          0.00          *    0.00          4
5          M          0.00          *    0.00          5
6          M          0.23          *    0.00          6
7          M          0.00          *    0.00          7
8          M          0.48          *    0.20s         8
9          M          0.00          *    T            9
10         M          *          *    M            10
11         M          0.15          *    M            11
12         M          0.00          *    M            12
13         M          *          *    M            13
14         M          0.91          *    M            14
15         M          0.00          *    M            15
16         M          0.00          *    M            16
17         T          0.36          *    M            17
18         0.20       0.00          *    M            18
19         0.02c     0.00          *    M            19
20         T          0.00          *    M            20
21         0.13       0.40          *    M            21
22         0.00       0.00          2.45    M            22
23         0.02?     0.07          *    M            23
24         0.00       0.00          *    M            24
25         0.00       0.00          *    M            25
26         0.00       0.00          *    M            26
27         0.00       0.00          *    M            27
28         0.00       0.00          *    M            28
29         0.00       0.00          0.04    M            29
30         0.00       0.00          0.00    M            30
31         0.00       0.00          0.00    M            31
-----
TOT.          M          2.98          2.49          M          TOT.
1999         M          2.98          2.49          M          1999

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LOCATION / NEAREST MAJOR INTERSECTION    COUNTY    OBSERVER
+++++
91 Rt. 316 / Cromley Rd. ----- Pickaway -- Ashville WWTP
92 Roberts Rd. / Spindler Rd. ----- Franklin -- Dave Parkinson
93 Morse Rd. / Putman Rd. ----- Licking --- Marci Bland
94
95
96 Havens Corners Rd. / Taylor Rd. ----- Licking --- Glenn Heistand
97
98 Worthington-Galena Rd. / I-71 ----- Franklin -- Felix & Judy Borowitz
99 Smoky Row Rd. / Summitview Rd. ----- Franklin -- Julie Hambrook
100

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SUPPLEMENTAL INFORMATION --- January 1999

NATIONAL WEATHER SERVICE COOPERATIVE OBSERVER DATA
 ++++++
 PRECIPITATION IN INCHES

GAGE	SECTOR	FOR MONTH	FOR 1999	REMARKS
++++	+++++	++++	++++	+++++
103	----- SW -----	3.30	----- 3.30 -----	
104	----- SW -----	3.50	----- 3.50 -----	
105	----- SE -----		-----	
106	----- SE -----	4.23	----- 4.23 -----	
107	----- SE -----	4.01	----- 4.01 -----	
108	----- NE -----	5.13	----- 5.13 -----	
109	----- NE -----	3.78	----- 3.78 -----	
111	----- NE -----		-----	
112	----- NW -----	3.57	----- 3.57 -----	
113	----- NW -----	3.23	----- 3.23 -----	
114	----- SW -----	2.44	----- 2.44 -----	

LOCATION / NEAREST MAJOR INTERSECTION	COUNTY	OBSERVER/STATION
+++++	+++++	+++++
103 Rt. 38 / Rt. 323 -----	Madison ---	Sedalia
104 Florence Chapel Pike / River Rd. -----	Pickaway --	Circleville
105 Rt. 22 / Rt. 188 -----	Fairfield -	Lancaster 2NW
106 Alum Creek Rd. / Williams Rd. -----	Franklin --	Cols. Valley Crossing
107 Rt. 40 / Rt. 79 -----	Licking ---	Buckeye Lake 1N
108 Rt. 37 / Rt. 79 -----	Licking ---	Newark Water Works
109 Rt. 62 / Rt. 661 -----	Licking ---	Utica 4WSW
111 Rt. 95 / Rt. 61 -----	Morrow ----	Mt. Gilead Lakes Park
112 Rt. 203 / Rt. 47 -----	Marion ----	Prospect
113 Rt. 4 / Rt. 423 -----	Marion ----	Marion 2N
114 Rt. 62 / Rt. 22 -----	Fayette ---	Washington Court House

DAILY SNOWFALL DATA (IN INCHES) FOR SELECTED GAGES - January 1999

```

*****
OBSV                                     OBSV
TIME  1800    1700    0630    1800    1800    2300    TIME
*****
GAGE   25      57      65      86      88      96      GAGE
*****
SECT   NW      SW      NE      SE      NW      NE      SECT
*****
DATE
1      0.0      0.0      0.0      0.0      0.0      0.0      1
2      8.0      10.0     3.0      4.0     11.3      M      2
3      T        1.0      5.5      0.4      0.1      0.0      3
4      0.0      0.0      0.0      0.0      T        0.0      4
5      0.0      0.0      0.0      0.0      0.0      0.0      5
6      3.0      0.0      1.0      5.0      1.0      2.0      6
7      0.0      3.0      5.0      0.3      2.1      0.0      7
8      4.0      3.0      0.0      2.0      2.5      1.0      8
9      0.0      0.0      4.0      0.3      1.2      0.0      9
10     2.0      0.0      0.0      0.2      T        0.0      10
11     0.0      0.0      0.0      0.2      1.1      2.5      11
12     0.0      0.0      3.0      0.0      0.0      0.0      12
13     0.0      0.0      0.0      0.0      0.0      0.0      13
14     0.0      0.0      0.0      0.0      0.3      0.5      14
15     1.0      0.0      2.0      0.0      0.6      0.0      15
16     0.0      0.0      0.0      0.0      0.0      0.0      16
17     0.0      0.0      0.0      0.0      0.0      0.0      17
18     0.0      0.0      0.0      0.0      T        0.0      18
19     0.0      0.0      0.0      0.0      0.0      0.0      19
20     0.0      0.0      0.0      0.0      0.0      0.0      20
21     0.0      0.0      0.0      0.0      0.0      0.0      21
22     0.0      0.0      0.0      0.0      0.0      0.0      22
23     0.0      0.0      0.0      0.0      0.0      0.0      23
24     0.0      0.0      0.0      0.0      T        0.0      24
25     0.0      0.0      0.0      0.0      0.0      0.0      25
26     0.0      0.0      0.0      0.0      0.0      0.0      26
27     0.0      0.0      0.0      0.0      0.0      0.0      27
28     0.0      0.0      0.0      0.0      0.0      0.0      28
29     0.0      0.0      0.0      0.0      0.0      0.0      29
30     0.0      0.0      0.0      0.0      0.0      0.0      30
31     0.0      0.0      0.0      0.0      0.0      0.0      31
=====
TOT.   18.0    17.0    23.5    12.4    20.2    6.0+    TOT.
=====
SEA.   19.2    18.0    25.2    13.4    21.7      M      SEA.
*****
LOCATION / NEAREST MAJOR INTERSECTION    COUNTY    OBSERVER
+++++
25  Wilson Rd. / Fisher Rd. -----  Franklin --  Leslie Rausch
57  Alton Rd. / O'Harra Rd. -----  Franklin --  Don Dellinger
65  Rt. 661 / Granger St. -----  Licking ---  Scott McClintock
86  Rt. 33 / Diley Rd. -----  Fairfield -  Tom Sibbalds
88  Wilcox Rd. / Shier Rings Rd. -----  Franklin --  Bob Davis
96  Havens Corners Rd. / Taylor Rd. -----  Licking ---  Glenn Heistand

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ABBREVIATIONS AND NOTES --- January 1999

ABBREVIATIONS & SYMBOLS USED IN THIS REPORT:

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T	Trace, an amount too small to measure.	a	Reading taken at 3:00 p.m.
M	Missed reading; no data available.	b	Reading taken at 8:15 p.m.
*	Missed reading; amount included in following measurement.	c	Reading taken at 10:00 p.m.
e	Estimated amount based on data from nearby gages.		
?	Questionable value based on data from nearby gages.		
NW	Northwest sector of network.		
NE	Northeast sector of network.		
SE	Southeast sector of network.		
SW	Southwest sector of network.		
SECT	Geographic sector of network, based on direction of gage from Broad and High Streets (extended) in Columbus.		
TOT.	Total.		
SEA.	Seasonal total for snowfall.		

The Central Ohio Raingage Network (CORN) consists of several municipal and N.O.A.A. gages combined with gages of employees or friends of the following organizations: EMH&T, Inc.; ODNR; Dodson-Stilson Assoc.; USGS/Water Resources Division; the City of Delaware, Ashland Chemical Corp., and the Grandview High School Class of 1965.

NOTES:

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1. Gages with daily totals, as shown on pages 3-12 of this report, are for those volunteers who report directly to Bob Davis of Evans, Mechwart, Hambleton, and Tilton, Inc. (EMH&T), Consulting Engineers. For daily totals of other gages in network, contact Dave Cashell at ODNR / Division of Water.
2. Precipitation measurements for those gages with daily totals are typically taken from plastic rain gages of at least 5-inch capacity.
3. The CORN logogram was designed by Steve Davies of Dodson-Stilson Associates.
4. Additions to Dec. 1998 report: December totals --> Gage 14 = 1.44", Gage 15 = 2.08", Gage 105 = 2.02", Gage 107 = 3.07", Gage 108 = 3.97", and Gage 114 = 2.06". Yearly totals --> Gage 14 = M, Gage 15 = M, Gage 105 = 35.11, Gage 107 = 45.61", Gage 108 = 46.07", and Gage 114 = 38.32". Also missing from the Annual Summary report were December and annual totals for Port Columbus (3.25" and 37.56", respectively).

SUMMARY INFORMATION --- January 1999

Precipitation averaged above normal over most portions of the Central Ohio area during January. Monthly precipitation totals ranged from 1.99 inches at the City of Delaware Water Plant to 5.45 inches in Galloway in southwestern Franklin County. Sector averages for the month were as follows: NW = 3.39 inches; NE = 3.34 inches; SE = 3.70 inches, and SW = 3.78 inches. The 4-sector average for the month was 3.55 inches; normal precipitation for January at Port Columbus is 2.18 inches. Port Columbus recorded 20.6 inches of snowfall during January, which raises the seasonal total to 23.5 inches. Normal snowfall for January is 8.4 inches, and the normal seasonal total for the period of October through January at Port Columbus is 16.5 inches.

The most significant storm to affect the overall network area during the month occurred on January 2. Many of our volunteers had difficulty in measuring the precipitation associated with this event due to strong winds, and problems with blowing and drifting snow. In addition, it is anticipated that some gages probably filled and overtopped with snow during the storm, without the observer's knowledge. Therefore, it is advised that caution be used in the interpretation of the collected data at the individual stations for this particular storm. At the CORN headquarters in southwestern Dublin, the snow from this storm began around 1:00 to 2:00 a.m. on the 2nd, and moderate to heavy snow fell during the pre-dawn hours through mid-morning, occasionally mixing with sleet. A total of 5.5 inches of snow had fallen by 6:45 a.m., and an additional 5.0 inches fell by 10:30 a.m.. After this time, the snow began mixing more with sleet, and then changed to freezing rain by late morning, with the precipitation ending temporarily in the early afternoon. A total of 11.3 inches of snowfall was recorded at the Dublin station before the changeover to sleet and freezing rain. Later in the day, there was an additional period of rainfall that began during the early evening of the 2nd, and this rain changed over to snow flurries and scattered snow showers which then fell overnite and into the day on January 3, with little additional snow accumulation.

MONTHLY STATISTICS

TOTAL MONTHLY PRECIPITATION:

SECTOR AVERAGES: MONTH --->	1999
NW = 3.39"	3.39"
NE = 3.34"	3.34"
SE = 3.70"	3.70"
SW = 3.78"	3.78"

4-SECTOR AVG. = 3.55" --->	3.55"
NORMAL PRECIP. = 2.18" --->	2.18"

END-OF-MONTH

RESERVOIR ELEVATIONS / MONTHLY CHANGE:

O'Shaughnessy = 848.36 ft.	+ 2.77 ft.
Hoover = 891.87 ft.	+ 8.03 ft.
Alum Creek = 883.73 ft.	+ 2.61 ft.

PALMER DROUGHT SEVERITY INDEX:

End-of-Month For Central Ohio = + 0.3
(near normal)