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Growing Degree Days in New York State

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Growing Degree Days for New York State

B. E. Dethier * and M. T. Vittum †

Growing plants are extremely complicated organisms on which all animal life depends. Through photosynthesis — an intricate biochemical process that is not yet fully understood — plants use the sun's energy to convert carbon dioxide from the air and water from the soil into simple sugars and oxygen. As the plants grow, oxygen is returned to the atmosphere and the sugars are transformed into more complex carbohydrates, proteins, and other compounds. Then animals consume the plants, using the sugars and carbohydrates plus oxygen from the air, in growth and respiration. In this process the raw products are converted into carbon dioxide and water. Without plants, animals would die from lack of oxygen and, without animals, plants would die from a lack of carbon dioxide.

Geographical distribution of economic plants is dependent, among other things, on solar energy. Some species can not grow and complete their life cycles unless sufficient solar energy is available. In other words, the growing season in many areas is often too short for certain species.

To help agriculturists locate potential areas for the production of economic crops, a record of the amount of solar energy received in these areas would be most desirable. Unfortunately, measurements of solar radiation or energy are expensive to obtain, and presently are taken at only 5 locations in New York State (Aurora, Canton, Geneva, Ithaca, and New York City's Central Park). On the other hand, temperature data are available from more than 300 locations in this state. Thus, a system has been designed to estimate solar energy using temperature accumulations called "growing degree days". These growing-day calculations have been carried out for 57 locations in New York State and are based on long-term weather records that go back as far as 40 years. Standard deviations of these estimates have also been calculated.

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Growing Degree Days

Growing degree days, sometimes called "heat units", "effective heat units", or "growth units", are an arithmetic accumulation of daily mean temperatures above a certain threshold temperature. They are a simple means of relating plant growth, development, and maturation to environmental air temperature. Different species of plants have different base or threshold temperatures below which they theoretically do not grow. At temperatures above this base, plant growth is approximately proportional to the amount of heat or temperature accumulated. The base temperatures used in this bulletin, 40° and 50°F, correspond closely to the generally accepted values of base temperatures used for several economically important plants:

| | | | |
|--------------|-------------|------------------------|------|
| Spring wheat | 37° to 40°F | Sweet corn, snap beans | 50°F |
| Canning peas | 40°F | Lima beans, tomatoes | 50°F |
| Oats | 43°F | Field corn | 55°F |
| Potatoes | 45°F | | |

The growing degree day value for any day is easily obtained by subtracting the appropriate base or threshold temperature for the specific crop from the mean temperature. Thus, on a day with a maximum of 65° and a minimum of 55°F, the mean temperature would be 60°F. The growing degree days for peas, with a 40°F base or threshold, would be 60 (the mean) minus 40 (the base), or 20. The growing degree days for snap beans or sweet corn would be 60 (the mean) minus 50 (the base), or 10.

The growing degree days, to any base, can be computed each day from daily temperatures, and can be accumulated over the course of the growing season. Negative values are ignored in summation of growing degree days. Thus, zero is the value assigned to any day when the mean temperature is below the base, or threshold, value.

The amount of plant growth is approximately proportional to the amount of heat or temperature accumulated above the base. For each species of plant, and for different varieties within a species, maturity is reached when the requisite number of growing degree days have accumulated. Pea varieties, for example, require a range from about 1200 to 1800 growing degree days. This method of calculating or estimating time of maturity has been widely used by the processing industry, since planting dates of peas and other crops can be scheduled to maintain an orderly supply at harvest time. The heat unit system is helpful in selecting crop varieties appropriate to different farming areas. It is also used in scheduling pesticide application in fruit orchards. Since insects emerge and develop in response to temperature, heat sums can be used to predict epidemic outbreaks of insects.

The list of references on page 22 may be consulted for more detailed information and instructions on the theory and use of growing degree days and on the various refinements that have been suggested for the basic system outlined above. It is a useful system but has 2 main flaws. It over-

simplifies the complex temperature response of plants, and it does not take into account the many other environmental factors that also affect plant growth. It does, however, serve a very practical need, and knowledge of the agricultural climate of an area is incomplete without an estimate of the normal number of growing degree days. This bulletin is accordingly presented as a source of basic information to be used or adapted, according to individual preferences and requirements, by home gardeners, nurserymen, growers, and processors, as well as research, teaching, and extension specialists.

Materials and Methods

Daily weather data, stored on magnetic tape, for 57 New York stations were analyzed to obtain the mean weekly GDD (growing degree day) accumulation and the standard deviation of this mean, for both 40°F and 50°F bases. The data are presented according to weeks of the climatological year, which is outlined in table 1. The climatological year, as defined by ESSA (the Environmental Science Service Administration — formerly the Weather Bureau) of the United States Department of Commerce starts with March 1 and ends with February 27. In this bulletin, data for week 53 (February 28 and 29) are omitted. Data for the 52 complete weeks from March 1 through February 27 are given in the tables. Step-wise multiple regression was used to test the effects of mean annual, mean January, and mean July temperatures, in addition to latitude, elevation, date of last spring freeze, date of first fall freeze, and duration of freeze-free season on growing degree day accumulations, for the first 20, the first 30, and the entire 52 weeks of the climatological year. The majority of the stations had 40 years of data (table 2).

Explanation of Tables and Maps

Station-locator map

Figure 1 shows the geographical distribution of the stations used in this bulletin. The number assigned to each station in the Weather Bureau network is plotted next to the corresponding station circle. The first digit of these station numbers increases from "0" or "1" to "9" according to the alphabetical positions of the initial letter of the station's name. In New York State, for example, Albany is numbered 0047 and Watertown is 9000. Between these, Fredonia is 3033, Morrisville 5512, Setauket 7633, etc.

Cumulative growing degree days

Table 2 presents, for each of the 57 locations, the cumulative growing degree days for both 40° and 50°F bases, for the 10-, 20-, and 30-week accumulations as well as the total for the 52-week year. Almost all the

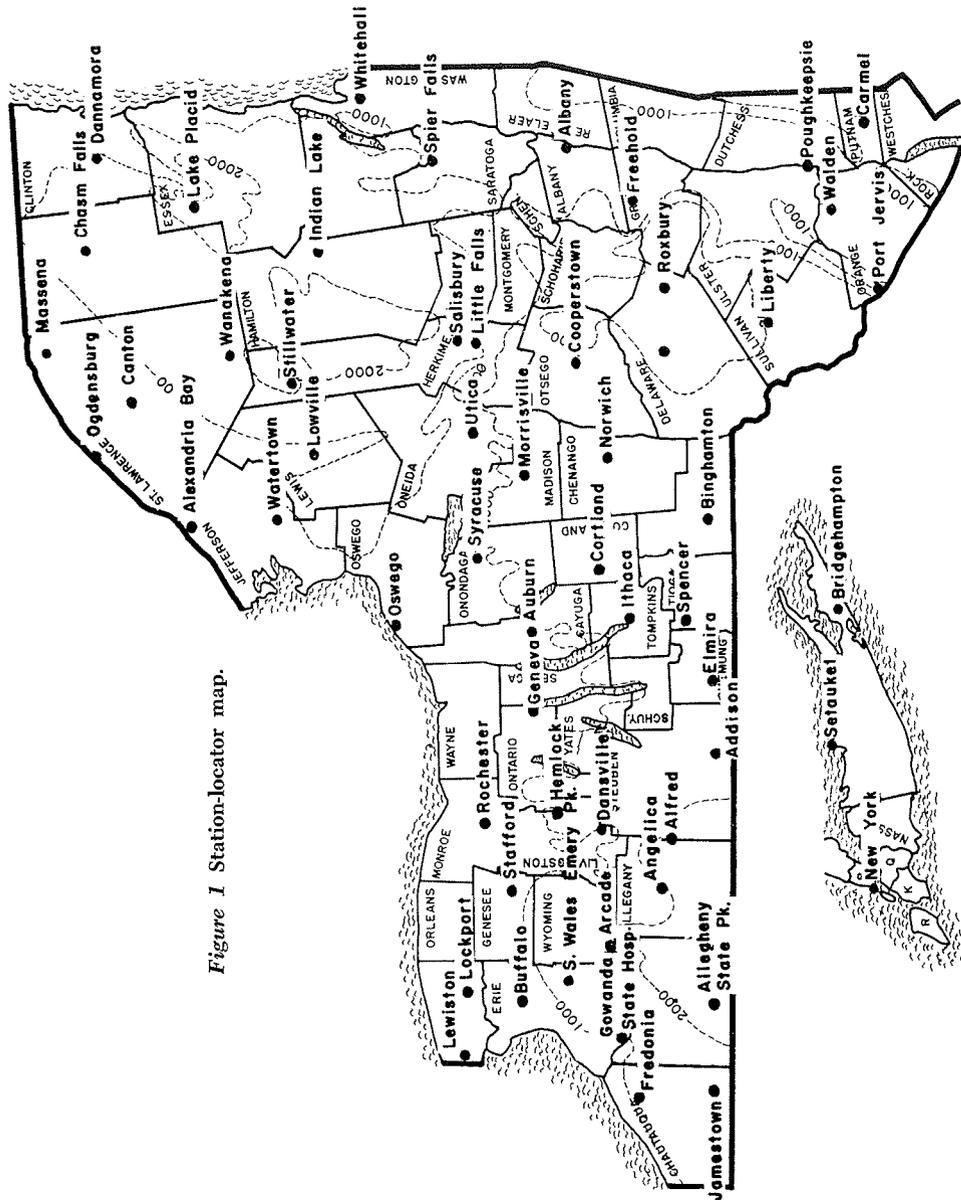


Figure 1 Station-locator map.

locations are stations in the cooperative climatological network of the U.S. Weather Bureau, although some were regular Weather Bureau stations located at commercial airports. In table 2, the locations are identified by name, station number, county, elevation, latitude, and longitude. In some cases, where the station is outside the town for which it is named, the distance and direction in miles from the post office are indicated. For instance, Carmel 1SW means 1 mile southwest of the Carmel Post Office. The number of years that were examined to obtain the information on the growing degree days is also listed for each station.

Figures 2-7 are "contour" maps which outline areas of equal growing degree day accumulations for 20-, 30-, and 52-week periods for both 40° and 50°F. Here the reader can obtain a visual indication of the geographical areas in New York State that have similar growing degree day conditions.

Weekly growing degree days, base 40°F

Table 3 lists the mean weekly accumulation of growing degree days above a base temperature of 40°F for each of the 57 stations. In addition to the weekly total accumulation, the standard deviation ("s") of this mean is given in the adjoining column. The standard deviation indicates the amount of variation that can be expected from one year to another. One can expect that 68 percent of the time, or about 2 years out of 3, the growing degree accumulation for any given week will be the mean given in table 3 plus or minus the standard deviation adjacent to this mean. Thus, for week 20 at Ithaca, a mean growing degree accumulation of 214, plus or minus 23 would be expected. This means that two-thirds of the time, residents of Ithaca could expect growing degree days for this week to be between 191 and 237.

About 95 percent of the time, or 19 years out of 20, the growing degree day accumulation will be the mean plus or minus twice the standard deviation. Thus, residents of Ithaca could expect that only once in 20 years would the growing degree days for week 20 fall outside of the range 168 to 260.

Mean growing degree days and the mean plus or minus 1 standard deviation for Geneva, are plotted in figure 8 to show how one can use the information in table 3. Two-thirds of the time growing degree day accumulation for any specific week at Geneva could be expected to fall within the dotted area.

Weekly growing degree days, base 50°F

Table 4 lists the mean weekly accumulation of growing degree days above a base temperature of 50°F for each of the 57 stations. It is similar to table 3, except the base temperature is 50°F instead of 40°F. A base or threshold temperature of 50° is normally used for warm-season crops such as snap beans, sweet corn, and tomatoes.

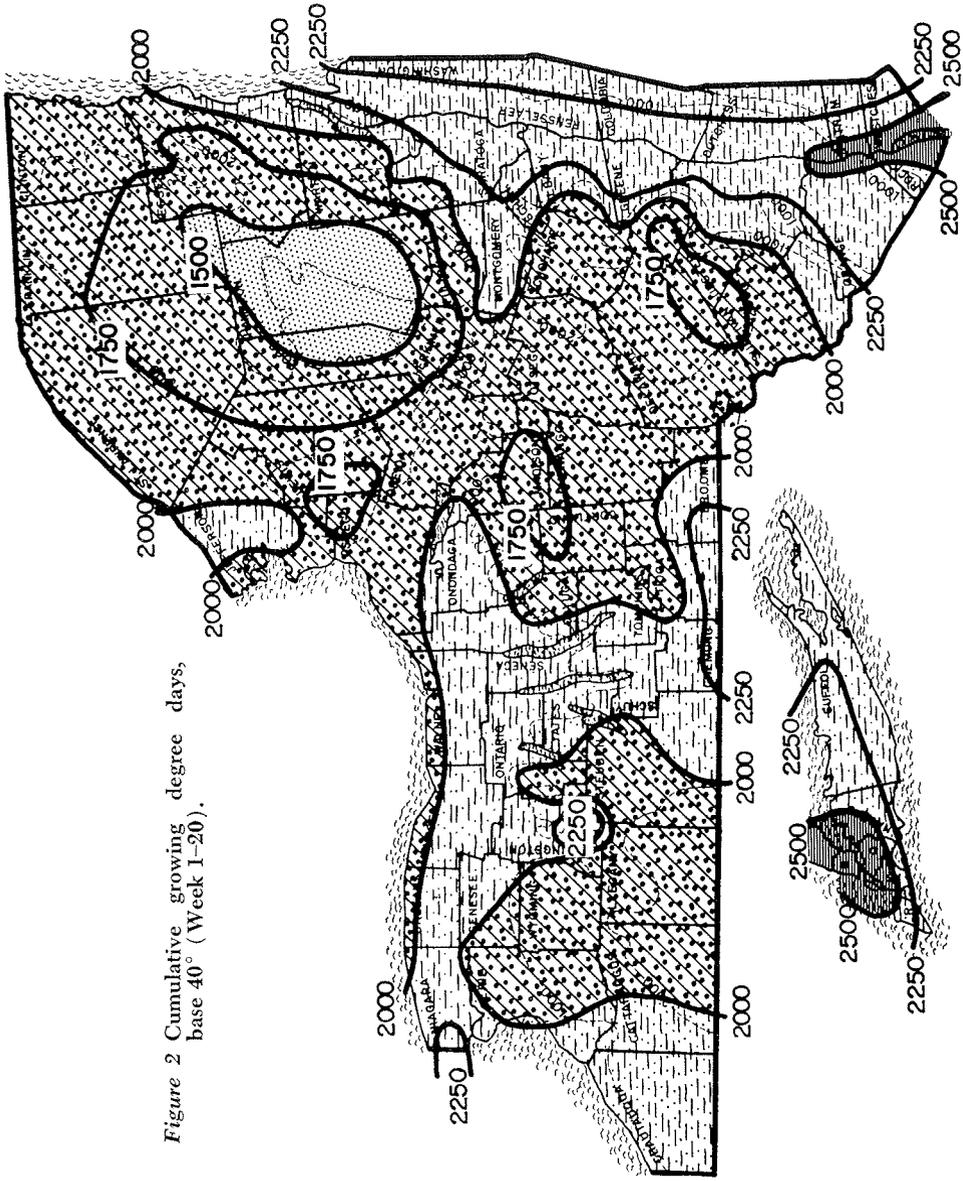


Figure 2 Cumulative growing degree days, base 40° (Week 1-20).

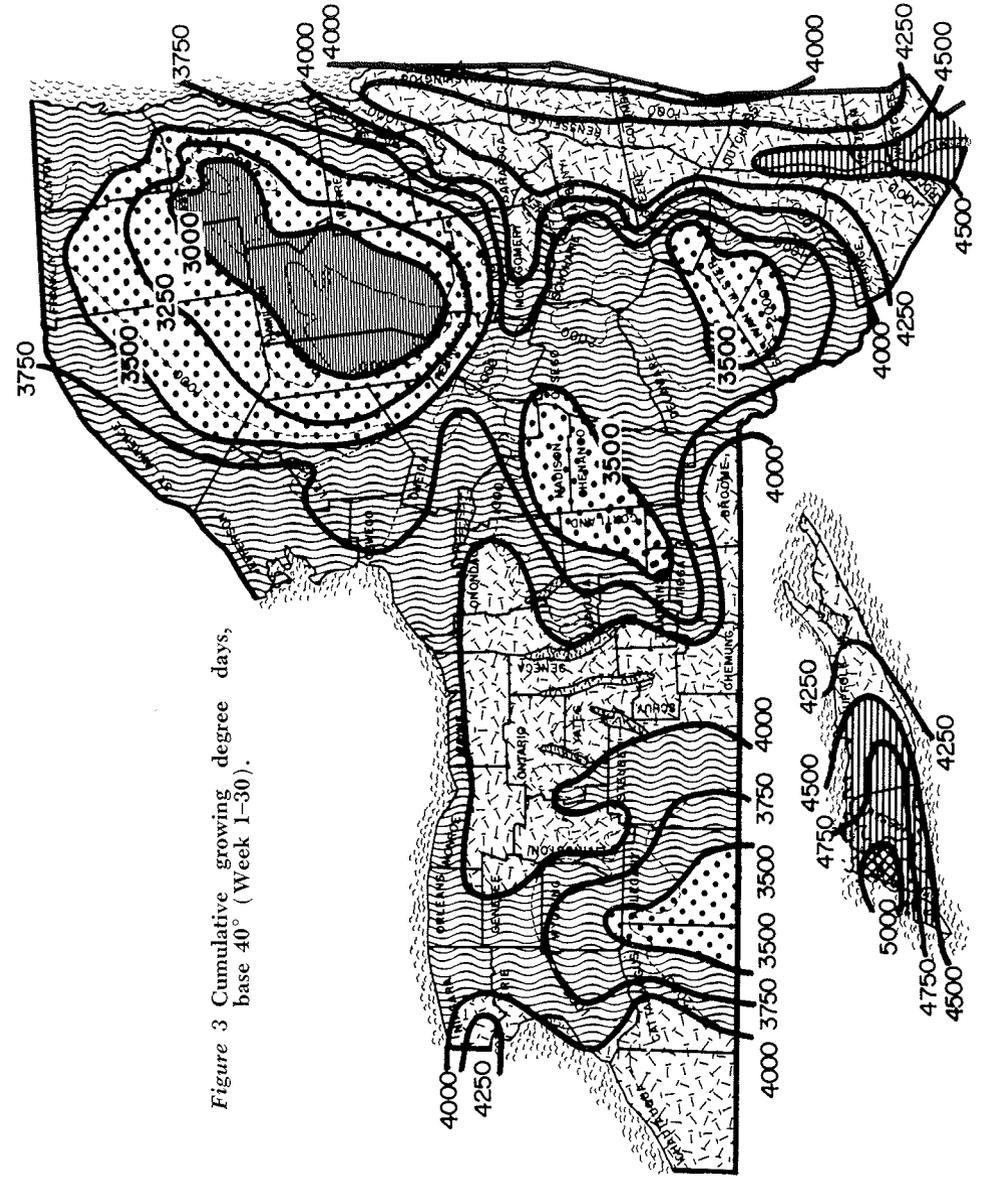


Figure 3 Cumulative growing degree days, base 40° (Week 1-30).

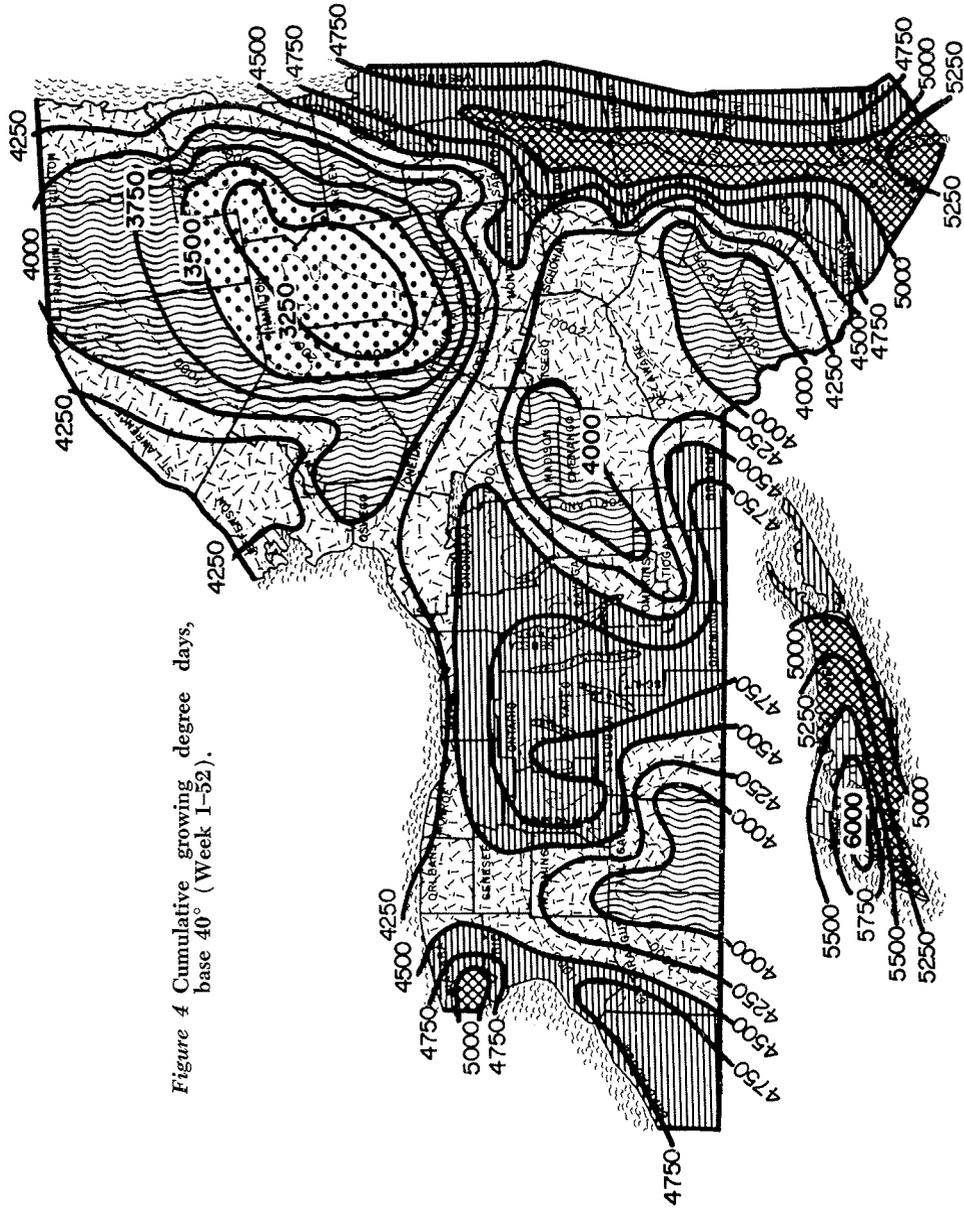


Figure 4 Cumulative growing degree days, base 40° (Week 1-52).

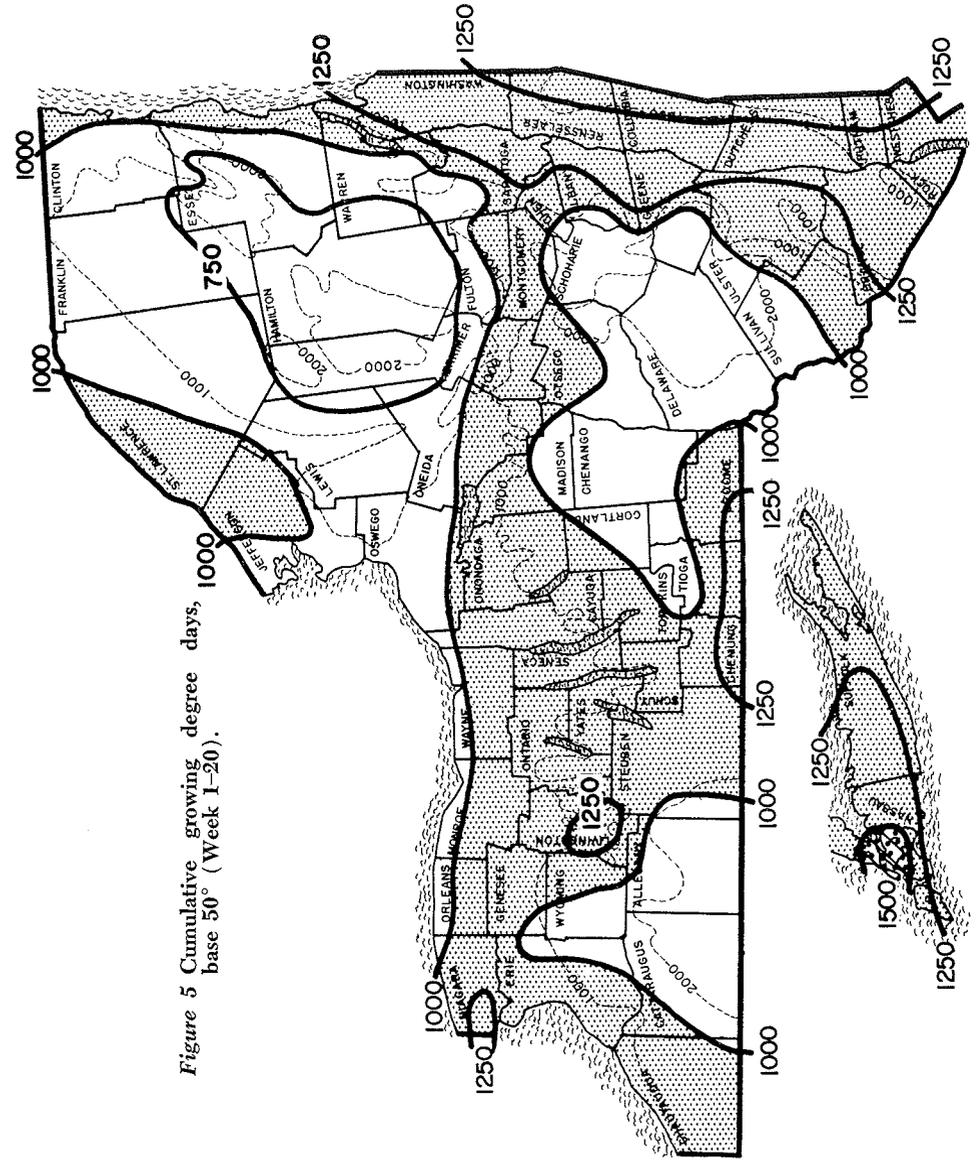


Figure 5 Cumulative growing degree days, base 50° (Week 1-20).

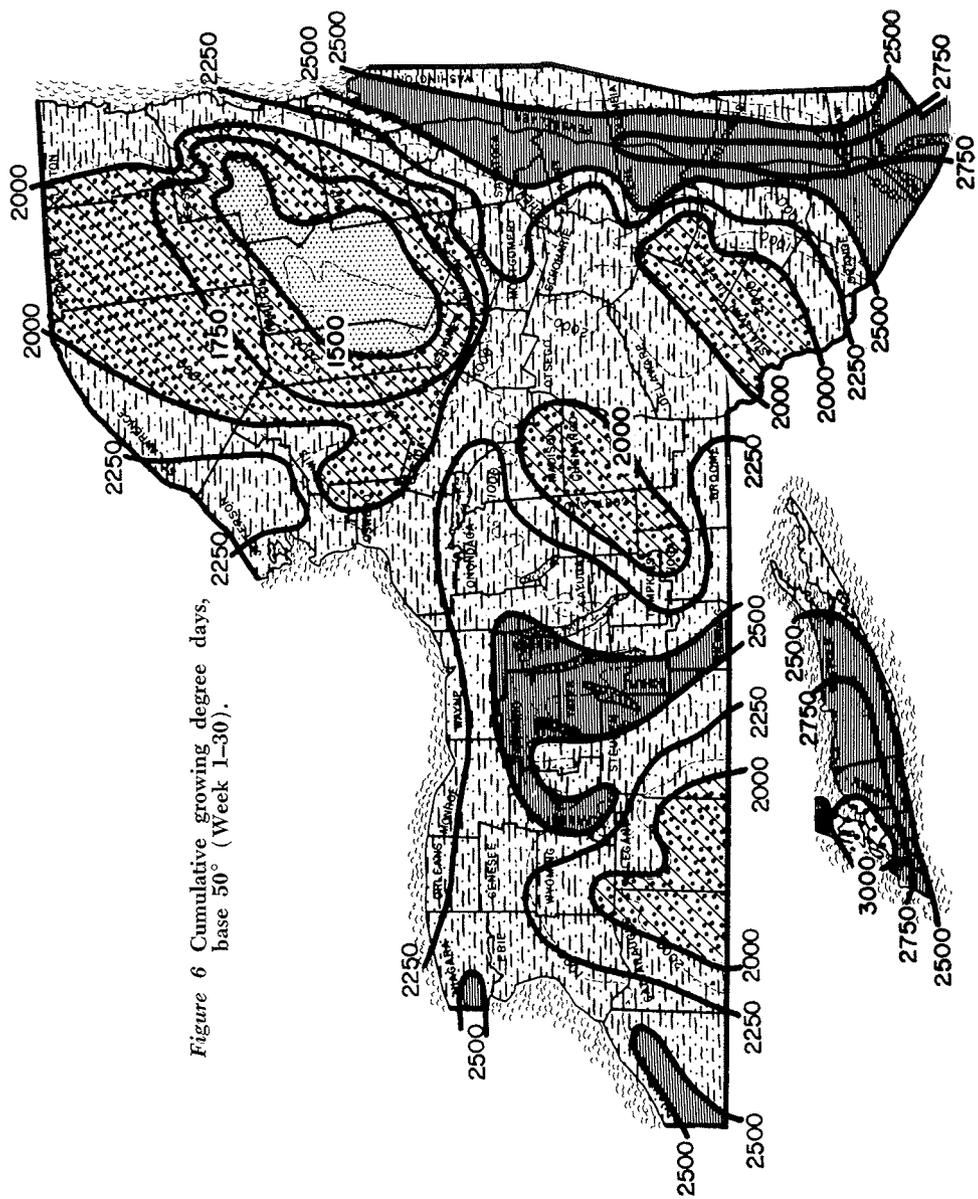


Figure 6 Cumulative growing degree days, base 50° (Week 1-30).

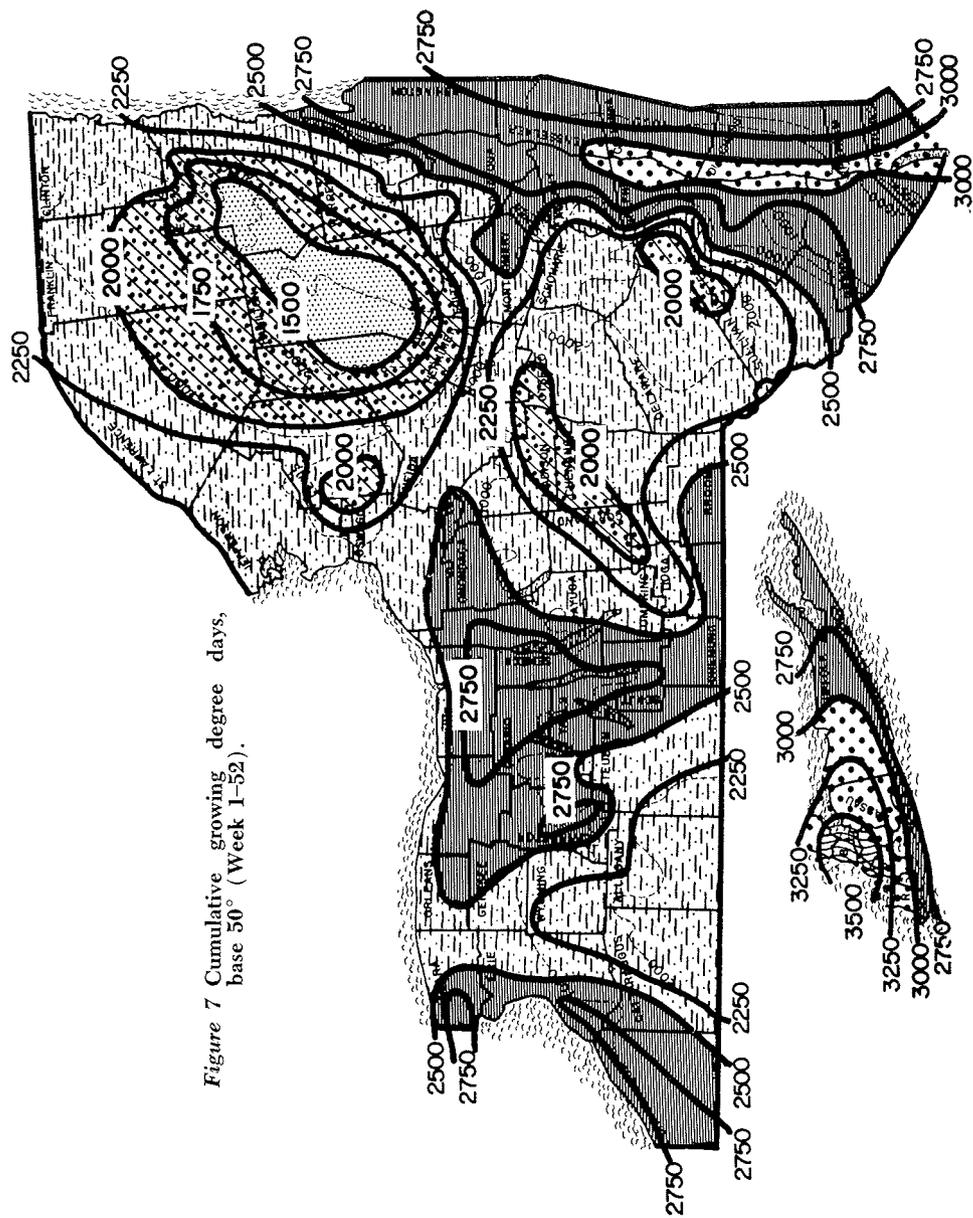


Figure 7 Cumulative growing degree days, base 50° (Week 1-52).

Estimating Growing Degree Days

Growing degree day information for locations other than the 57 stations listed here, for 20-, 30-, or 52-week periods for both 40° and 50°F base temperatures may be roughly estimated from the "contour maps" in figures 2-7, respectively. This procedure involves some error, however, because the maps were constructed from data in table 2, which were applied to the rest of the state with the help of topographic and mean-temperature maps. Thus step-wise multiple regression calculations were performed to obtain a more accurate estimate of growing degree day accumulations (3,25). If mean annual, mean January, and mean July temperature data are available for the location in question, or if these values can be estimated from figures 12-14, a more accurate estimate of growing degree day accumulations can be obtained from using the nomograms presented in figures 9-11.

An even more exact estimate can be obtained by using the following equations from which the nomograms were constructed:

Growing degree days, base 40°F

$$Y_{20} = -4158 + 149X_1 - 33X_2 \quad R^2 = 95$$

$$Y_{30} = -6241 + 109X_1 + 71X_3 \quad R^2 = 96$$

$$Y_{52} = -8294 + 165X_1 + 71X_3 \quad R^2 = 97$$

Growing degree days, base 50°F

$$Y_{20} = -3883 + 123X_1 - 33X_2 \quad R^2 = 88$$

$$Y_{30} = -6924 + 69X_1 + 84X_3 \quad R^2 = 97$$

$$Y_{52} = -8089 + 94X_1 + 87X_3 \quad R^2 = 97$$

where

$Y_{20, 30, \text{ and } 52}$ = GDD accumulations for the first 20-, 30-, and 52-week periods of the climatological year.

X_1 = Mean annual temperature

X_2 = Mean January temperature

X_3 = Mean July temperature

and,

R^2 = Multiple correlation coefficient.

These equations, if used properly, should give an estimate of growing degree days with an error of less than 5 percent.

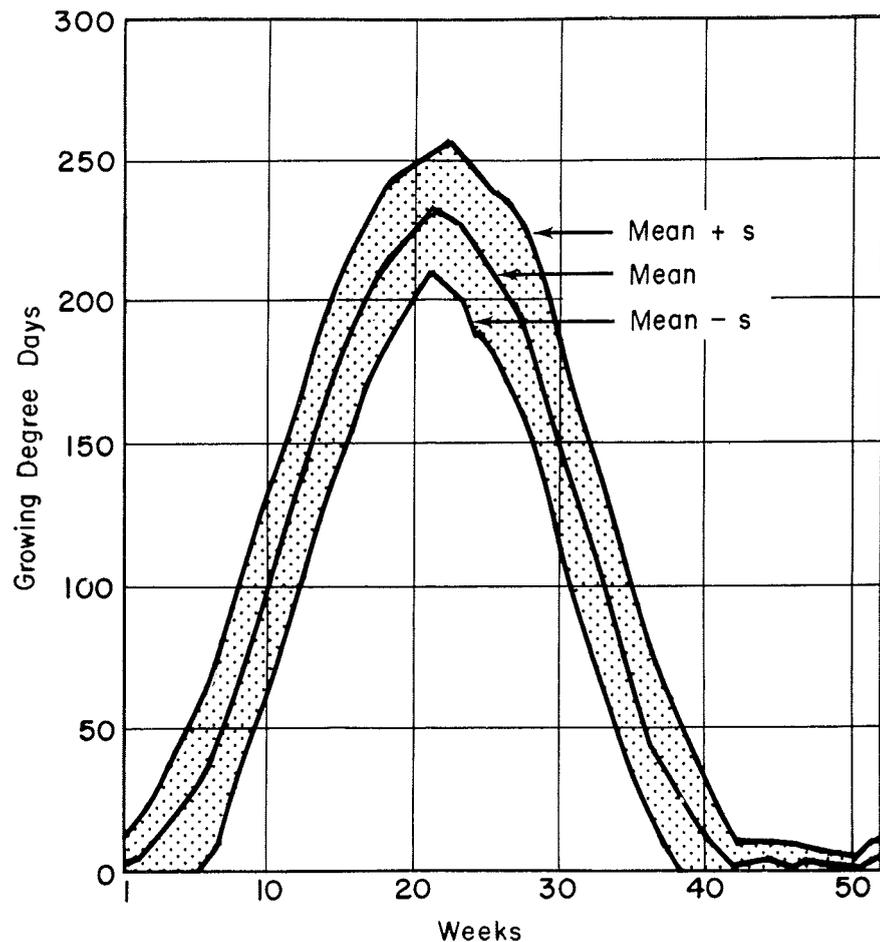


Figure 8 Weekly growing degree days that can be expected in 2 out of 3 years — base 40° (Geneva, New York).

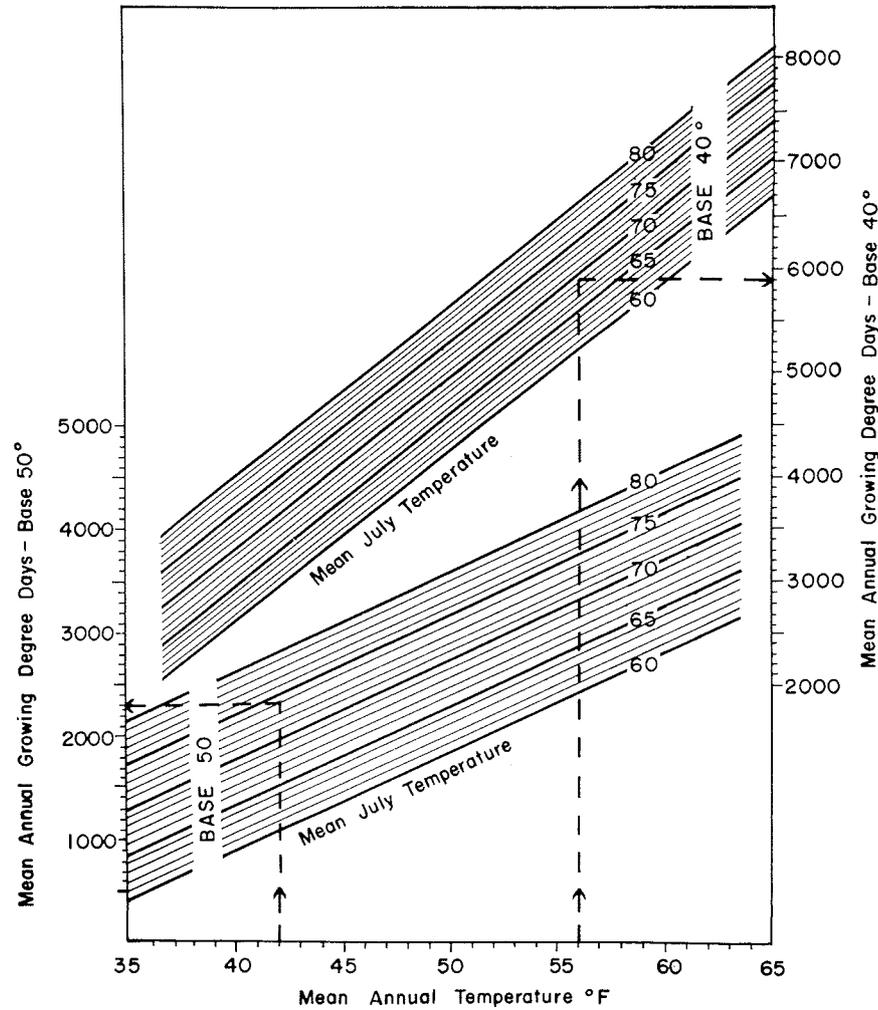


Figure 9 Nomogram for determining cumulative growing degree days (Week 1-52). Example: for 40° base, draw a vertical line from the mean annual temperature (56° in this example) to the appropriate mean July temperature (69°) and project horizontally to right margin, obtaining a value of 5900. For 50° base, use same procedure, but read left margin.

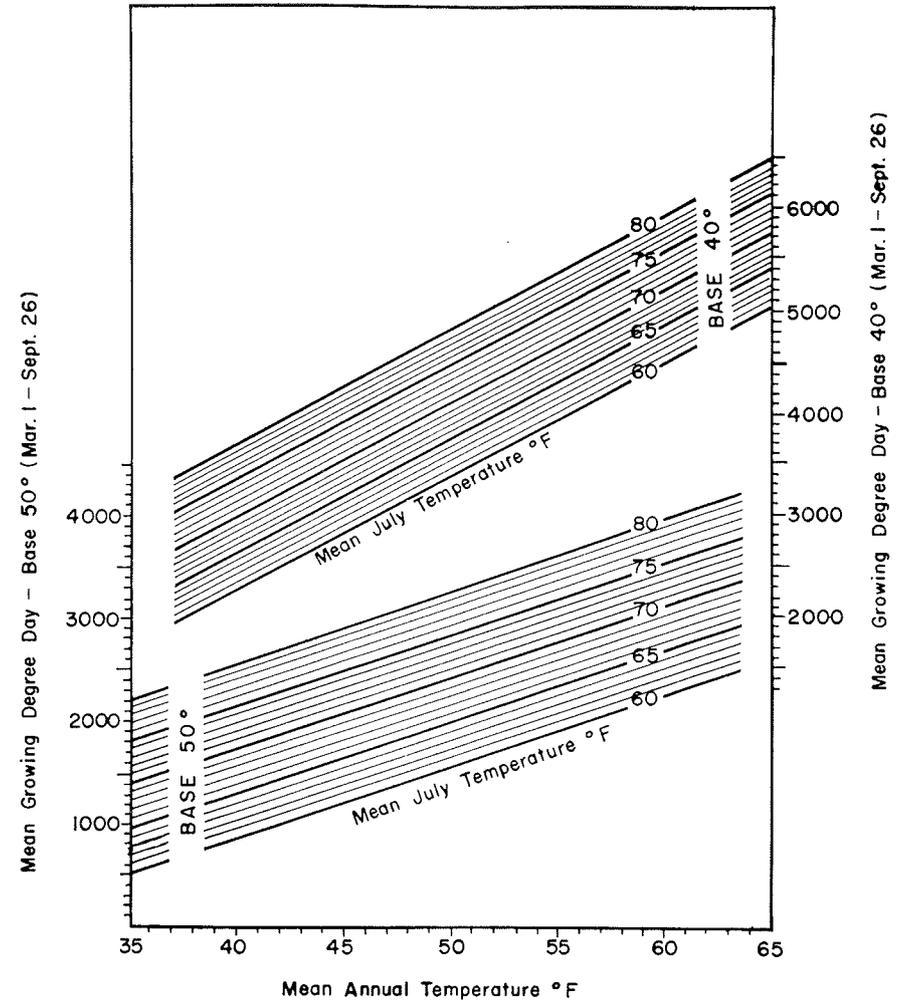


Figure 10 Nomogram for determining cumulative growing degree days (Week 1-30).

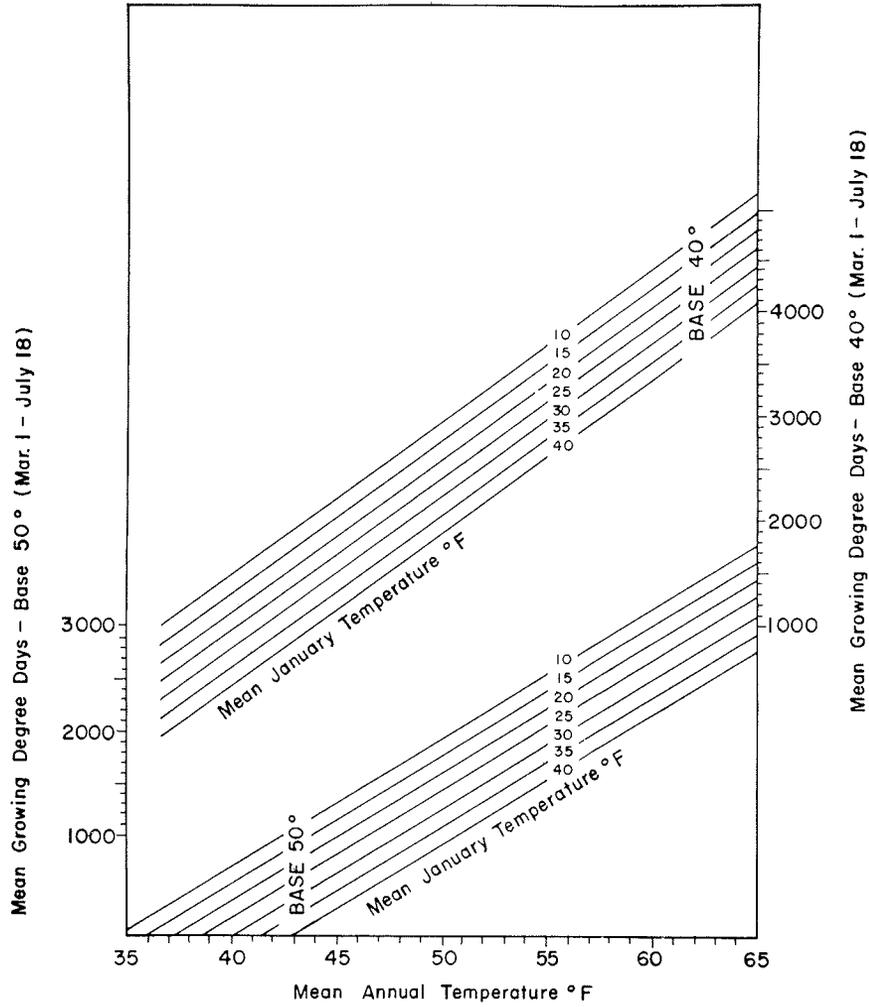


Figure 11 Nomogram for determining cumulative growing degree days (Week 1-20).

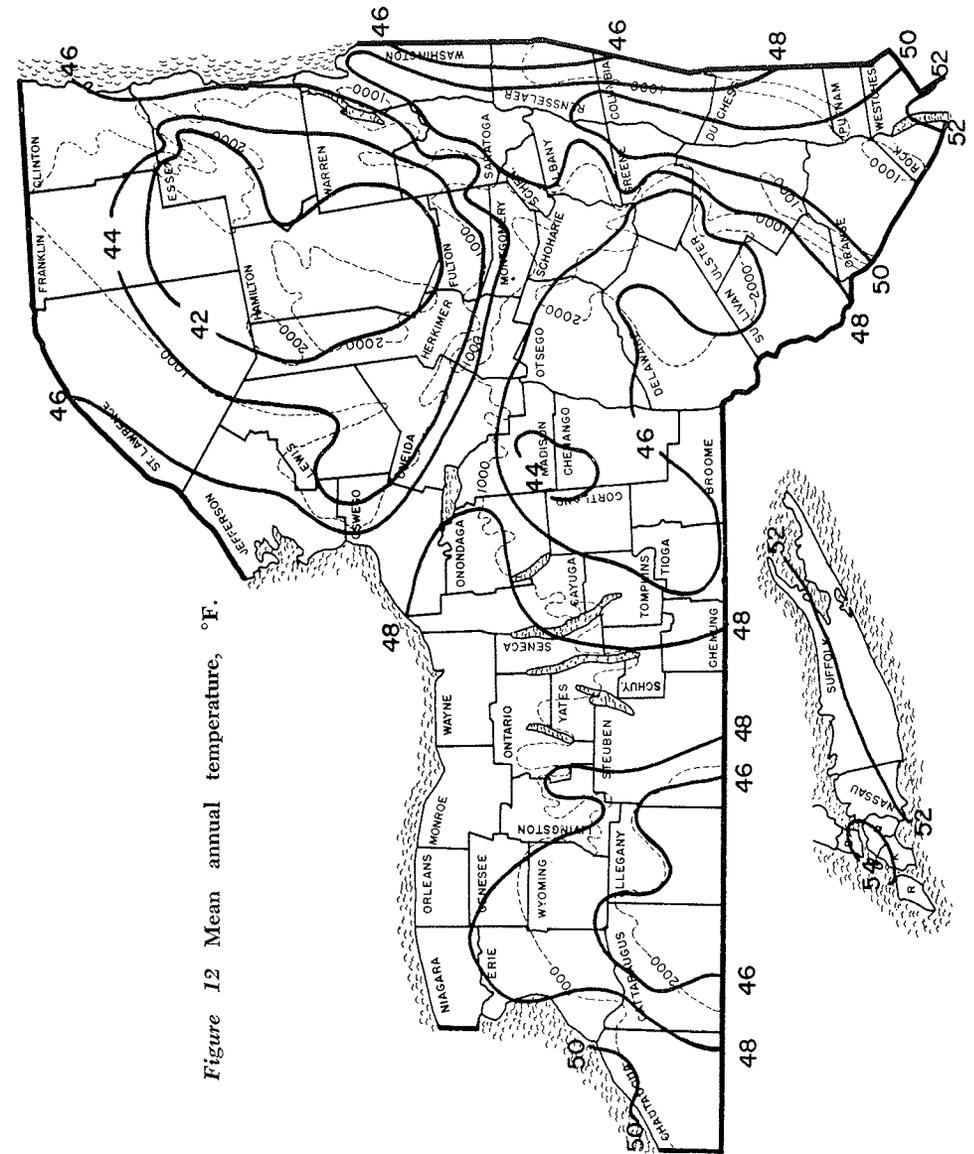


Figure 12 Mean annual temperature, °F.

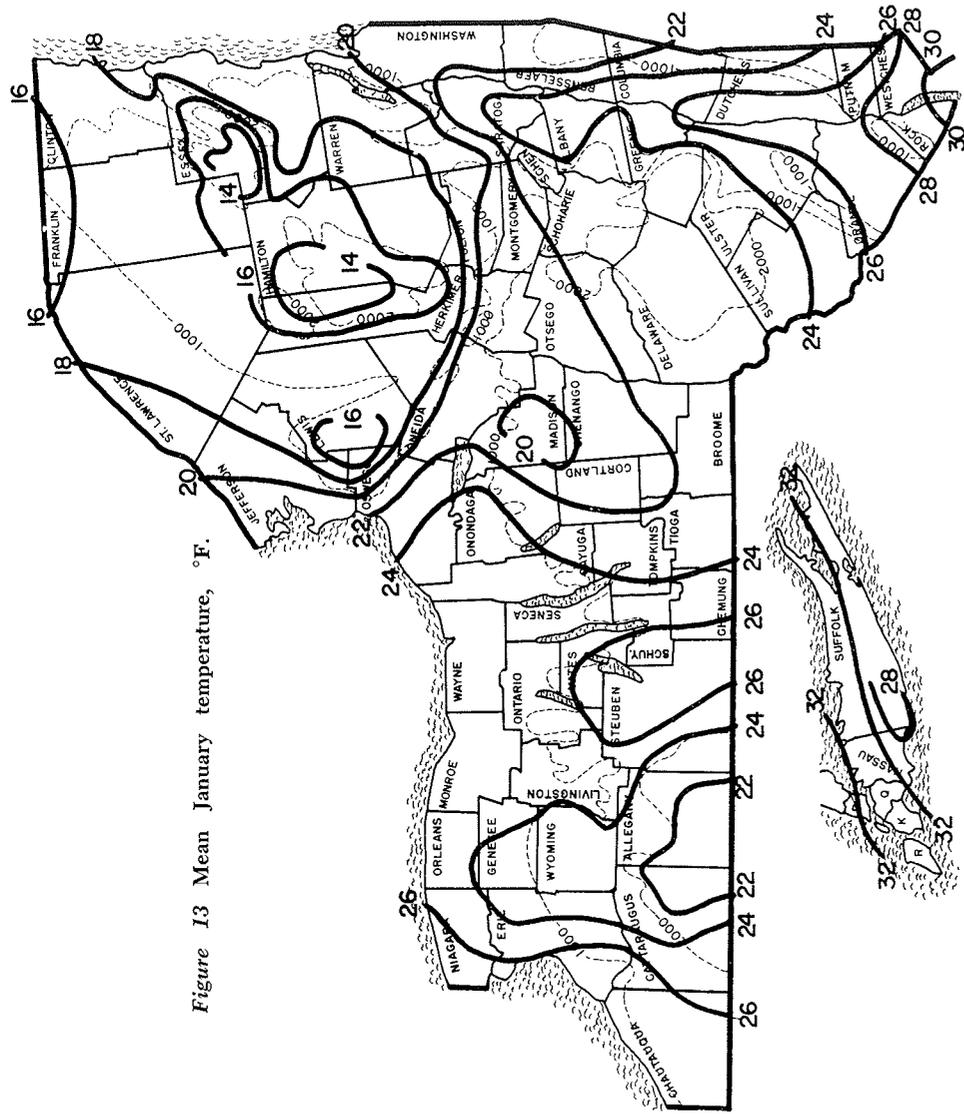


Figure 13 Mean January temperature, °F.

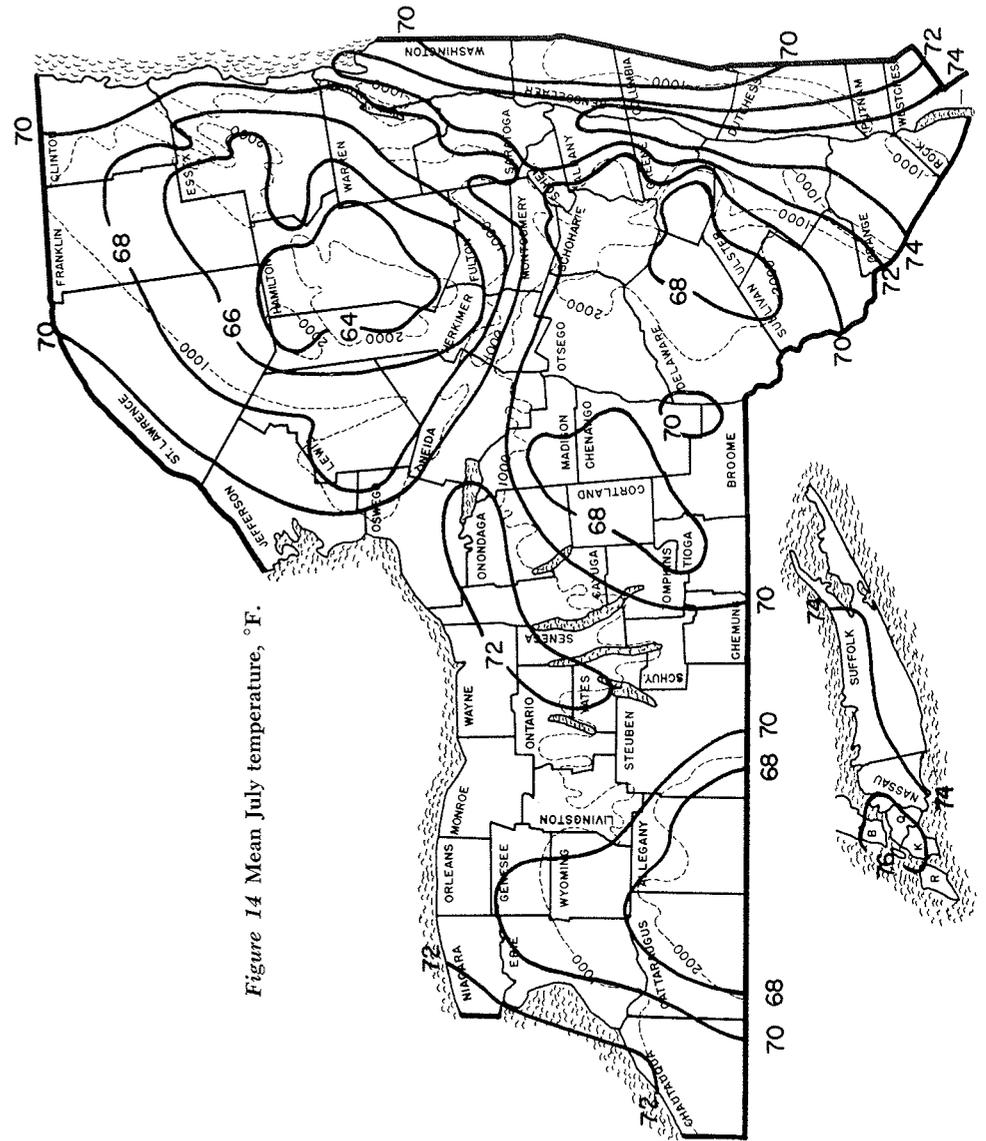


Figure 14 Mean July temperature, °F.

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Appendix

Table 1. Climatological year

| Climatological week number | Calendar date | Climatological week number | Calendar date |
|----------------------------|-------------------|----------------------------|---------------------|
| 01 | Mar. 1 – Mar. 7 | 27 | Aug. 30 – Sept. 5 |
| 02 | Mar. 8 – Mar. 14 | 28 | Sept. 6 – Sept. 12 |
| 03 | Mar. 15 – Mar. 21 | 29 | Sept. 13 – Sept. 19 |
| 04 | Mar. 22 – Mar. 28 | 30 | Sept. 20 – Sept. 26 |
| 05 | Mar. 29 – Apr. 4 | 31 | Sept. 27 – Oct. 3 |
| 06 | Apr. 5 – Apr. 11 | 32 | Oct. 4 – Oct. 10 |
| 07 | Apr. 12 – Apr. 18 | 33 | Oct. 11 – Oct. 17 |
| 08 | Apr. 19 – Apr. 25 | 34 | Oct. 18 – Oct. 24 |
| 09 | Apr. 26 – May 2 | 35 | Oct. 25 – Oct. 31 |
| 10 | May 3 – May 9 | 36 | Nov. 1 – Nov. 7 |
| 11 | May 10 – May 16 | 37 | Nov. 8 – Nov. 14 |
| 12 | May 17 – May 23 | 38 | Nov. 15 – Nov. 21 |
| 13 | May 24 – May 30 | 39 | Nov. 22 – Nov. 28 |
| 14 | May 31 – June 6 | 40 | Nov. 29 – Dec. 5 |
| 15 | June 7 – June 13 | 41 | Dec. 6 – Dec. 12 |
| 16 | June 14 – June 20 | 42 | Dec. 13 – Dec. 19 |
| 17 | June 21 – June 27 | 43 | Dec. 20 – Dec. 26 |
| 18 | June 28 – July 4 | 44 | Dec. 27 – Jan. 2 |
| 19 | July 5 – July 11 | 45 | Jan. 3 – Jan. 9 |
| 20 | July 12 – July 18 | 46 | Jan. 10 – Jan. 16 |
| 21 | July 19 – July 25 | 47 | Jan. 17 – Jan. 23 |
| 22 | July 26 – Aug. 1 | 48 | Jan. 24 – Jan. 30 |
| 23 | Aug. 2 – Aug. 8 | 49 | Jan. 31 – Feb. 6 |
| 24 | Aug. 9 – Aug. 15 | 50 | Feb. 7 – Feb. 13 |
| 25 | Aug. 16 – Aug. 22 | 51 | Feb. 14 – Feb. 20 |
| 26 | Aug. 23 – Aug. 29 | 52 | Feb. 21 – Feb. 27 |
| | | 53 | Feb. 28 – Feb. 29 |

Table 2. List of stations with average accumulative growing degree days at end of 10, 20, 30, and 52 weeks

| Station Name | No. | County | Elevation feet | Latitude deg min | Longitude deg min | No. years analyzed* | Average cumulative GDD base 40°F, at end of: | | | | Average cumulative GDD base 50°F, at end of: | | | |
|----------------------------|------|--------------|----------------|------------------|-------------------|---------------------|--|---------|---------|---------|--|---------|---------|---------|
| | | | | | | | week 10 | week 20 | week 30 | week 52 | week 10 | week 20 | week 30 | week 52 |
| Addison | 0023 | Steuben | 1,000 | 42 06 | 77 14 | 15 | 409 | 2,104 | 3,933 | 4,507 | 138 | 1,148 | 2,284 | 2,471 |
| Albany | 0047 | Albany | 19 | 42 39 | 73 45 | 42 | 455 | 2,357 | 4,405 | 5,040 | 148 | 1,353 | 2,702 | 2,911 |
| Alexandria Bay | 0077 | Jefferson | 260 | 44 20 | 75 55 | 15 | 318 | 2,020 | 3,918 | 4,493 | 81 | 1,094 | 2,297 | 2,486 |
| Alfred | 0085 | Allegany | 1,700 | 42 16 | 77 47 | 38 | 321 | 1,835 | 3,509 | 3,978 | 102 | 944 | 1,931 | 2,068 |
| Alleghany State Park | 0093 | Westfaling | 1,500 | 42 06 | 78 45 | 14 | 374 | 1,918 | 3,500 | 4,124 | 120 | 988 | 1,970 | 2,142 |
| Angela | 0183 | Allegany | 1,420 | 42 18 | 78 01 | 38 | 339 | 1,900 | 3,636 | 4,123 | 104 | 991 | 2,036 | 2,180 |
| Arcade | 0220 | Wyoming | 1,480 | 42 32 | 78 25 | 10 | 322 | 1,835 | 3,496 | 3,972 | 101 | 942 | 1,920 | 2,066 |
| Auburn Water Works | 0321 | Cayuga | 715 | 42 54 | 76 32 | 38 | 316 | 2,024 | 4,032 | 4,674 | 84 | 1,108 | 2,419 | 2,644 |
| Binghamton | 0691 | Bronx | 858 | 42 06 | 75 55 | 38 | 429 | 2,267 | 4,154 | 4,760 | 146 | 1,234 | 2,484 | 2,689 |
| Bridghampton | 0880 | Suffolk | 60 | 40 57 | 72 18 | 32 | 375 | 2,061 | 4,084 | 4,807 | 79 | 1,062 | 2,286 | 2,652 |
| Buffalo WB Airport | 1012 | Errie | 705 | 42 56 | 78 44 | 42 | 320 | 1,969 | 3,802 | 4,568 | 95 | 1,064 | 2,200 | 2,497 |
| Canton 3 SE | 1185 | St. Lawrence | 400 | 44 35 | 75 07 | 42 | 281 | 1,885 | 3,636 | 4,069 | 81 | 1,006 | 2,070 | 2,265 |
| Carmel 1 SW | 1207 | Putnam | 490 | 41 25 | 73 42 | 38 | 406 | 2,153 | 4,102 | 4,723 | 120 | 1,173 | 2,424 | 2,628 |
| Charm Falls | 1387 | Franklin | 1,060 | 44 45 | 74 13 | 15 | 270 | 1,830 | 3,493 | 3,973 | 75 | 1,063 | 1,943 | 2,102 |
| Croquetown | 1752 | Ontario | 1,240 | 42 42 | 74 55 | 33 | 322 | 1,914 | 3,658 | 4,159 | 98 | 1,041 | 2,064 | 2,207 |
| Cortland | 1906 | Cortland | 1,120 | 42 36 | 76 11 | 14 | 330 | 1,924 | 3,662 | 4,177 | 105 | 1,029 | 2,080 | 2,247 |
| Dannemora | 1966 | Clinton | 1,340 | 44 43 | 73 43 | 38 | 267 | 1,845 | 3,382 | 4,000 | 79 | 982 | 2,030 | 2,160 |
| Dansville | 1974 | Livingston | 685 | 42 34 | 77 42 | 13 | 440 | 2,271 | 4,249 | 4,956 | 154 | 1,299 | 2,582 | 2,847 |
| Delhi | 2036 | Delaware | 1,370 | 42 16 | 74 55 | 38 | 328 | 1,893 | 3,628 | 4,124 | 99 | 987 | 2,031 | 2,170 |
| Elmira | 2610 | Chemung | 880 | 42 06 | 76 49 | 38 | 434 | 2,228 | 4,171 | 4,754 | 132 | 1,237 | 2,504 | 2,650 |
| Fredonia | 3033 | Chautauqua | 760 | 42 25 | 79 04 | 38 | 420 | 2,197 | 4,225 | 4,946 | 149 | 1,241 | 2,570 | 2,832 |
| Fredonia 2 NW | 3038 | Greene | 450 | 42 22 | 74 04 | 13 | 471 | 2,553 | 4,545 | 4,964 | 155 | 1,342 | 2,638 | 2,840 |
| Geneva Exp. Station | 3177 | Ontario | 590 | 42 53 | 77 00 | 38 | 408 | 2,197 | 4,183 | 4,810 | 138 | 1,238 | 2,529 | 2,745 |
| Gowanda State Hospital | 3554 | Errie | 865 | 42 29 | 78 56 | 15 | 439 | 2,170 | 4,073 | 4,769 | 160 | 1,210 | 2,419 | 2,675 |
| Hemlock | 3773 | Livingston | 920 | 42 47 | 77 37 | 38 | 348 | 2,070 | 3,975 | 4,562 | 107 | 1,144 | 2,354 | 2,548 |
| Indian Lake | 4102 | Hamilton | 1,660 | 43 45 | 74 37 | 15 | 156 | 1,416 | 2,809 | 3,103 | 32 | 652 | 1,378 | 1,445 |
| Ithaca, Cornell University | 4174 | Tompkins | 950 | 42 27 | 76 28 | 38 | 373 | 2,043 | 3,906 | 4,471 | 126 | 1,117 | 2,286 | 2,474 |
| Jamestown Water Works | 4208 | Chautauqua | 1,390 | 42 07 | 79 14 | 38 | 450 | 2,200 | 4,127 | 4,766 | 164 | 1,228 | 2,460 | 2,681 |
| Lake Placid Club | 4555 | Essex | 1,880 | 44 17 | 73 59 | 14 | 177 | 1,502 | 2,928 | 3,256 | 42 | 747 | 1,493 | 1,580 |
| Lewiston 1 N | 4715 | Niagara | 330 | 43 11 | 79 03 | 15 | 391 | 2,341 | 4,369 | 5,073 | 115 | 1,376 | 2,705 | 2,962 |

Table 2. (continued)

| Station Name | No. | County | Elevation feet | Latitude | | Longitude | | No. years analyzed* | Average cumulative GDD base 40°F. at end of: | | | Average cumulative GDD base 50°F. at end of: | | |
|-----------------------------|------|--------------|-------------------|----------|---------|-----------|---------|---------------------|--|---------|---------|--|---------|---------|
| | | | | deg min | deg min | deg min | deg min | | week 10 | week 20 | week 30 | week 40 | week 50 | week 60 |
| Liberty | 4731 | Sullivan | 1,610 | 41 48 | 74 45 | 13 | 302 | 1,796 | 3,469 | 3,945 | 84 | 902 | 1,884 | 2,021 |
| Little Falls City Reservoir | 4791 | Herkimer | 900 | 43 04 | 74 52 | 38 | 318 | 1,960 | 3,778 | 4,255 | 102 | 1,060 | 2,184 | 2,332 |
| Lockport 2 NB | 4844 | Niagara | 320 | 43 11 | 78 39 | 38 | 375 | 2,066 | 3,958 | 4,506 | 125 | 1,134 | 2,333 | 2,509 |
| Lovellville | 4912 | Lewis | 920 | 43 48 | 75 29 | 38 | 278 | 1,854 | 3,580 | 4,004 | 83 | 981 | 2,018 | 2,143 |
| Massena, FAA Airport | 5134 | St. Lawrence | 202 | 44 56 | 74 50 | 15 | 253 | 1,847 | 3,520 | 3,932 | 66 | 981 | 1,980 | 2,094 |
| Morrisville | 5512 | Madison | 1,300 | 42 54 | 75 39 | 36 | 269 | 1,743 | 3,380 | 3,791 | 80 | 890 | 1,843 | 1,957 |
| New York, Central Park WB | 5801 | New York | 132 | 40 47 | 73 58 | 42 | 624 | 2,708 | 5,013 | 6,019 | 219 | 1,605 | 3,209 | 3,603 |
| Norwich 1 WNW | 6085 | Chenango | 1,030 | 42 32 | 75 32 | 37 | 314 | 1,856 | 3,570 | 4,017 | 97 | 968 | 1,993 | 2,123 |
| Ogdensburg 3 NE | 6164 | St. Lawrence | 285 | 44 44 | 75 27 | 33 | 298 | 1,976 | 3,819 | 4,293 | 80 | 1,070 | 2,227 | 2,370 |
| Oswego Teachers College | 6314 | Oswego | 290 | 43 27 | 76 32 | 38 | 298 | 1,874 | 3,765 | 4,361 | 84 | 988 | 2,185 | 2,378 |
| Port Jervis | 6774 | Orange | 470 | 41 23 | 74 41 | 36 | 479 | 2,337 | 4,321 | 4,943 | 166 | 1,327 | 2,615 | 2,818 |
| Poughkeepsie | 6817 | Dutchess | 103 | 41 41 | 73 56 | 35 | 321 | 2,486 | 4,606 | 5,313 | 179 | 1,448 | 2,868 | 3,115 |
| Rochester WB, Airport | 7167 | Monroe | 547 | 43 07 | 77 40 | 38 | 380 | 2,141 | 4,103 | 4,719 | 127 | 1,201 | 2,466 | 2,677 |
| Roxbury | 7317 | Delaware | 1,490 | 42 17 | 74 34 | 33 | 321 | 1,856 | 3,555 | 4,019 | 99 | 958 | 1,967 | 2,097 |
| Salisbury | 7413 | Herkimer | 1,260 | 43 09 | 74 51 | 38 | 236 | 1,670 | 3,258 | 3,613 | 64 | 832 | 1,738 | 1,827 |
| Setauket | 7633 | Suffolk | 40 | 40 58 | 73 06 | 37 | 508 | 2,389 | 4,530 | 5,461 | 149 | 1,332 | 2,772 | 3,111 |
| South Wales, Emery Park | 8058 | Erie | 1,090 | 42 43 | 78 36 | 30 | 339 | 1,929 | 3,716 | 4,233 | 109 | 1,031 | 2,127 | 2,291 |
| Spencer | 8088 | Tioga | 995 | 42 13 | 76 30 | 15 | 331 | 1,904 | 3,601 | 4,070 | 101 | 996 | 2,004 | 2,144 |
| Spier Falls | 8104 | Saratoga | 442 | 43 14 | 73 45 | 15 | 360 | 2,137 | 4,034 | 4,578 | 106 | 1,191 | 2,393 | 2,565 |
| Stafford | 8152 | Genesee | 915 | 42 56 | 78 05 | 15 | 387 | 2,122 | 4,020 | 4,638 | 128 | 1,179 | 2,381 | 2,598 |
| Stillwater Reservoir | 8248 | Herkimer | 1,695 | 43 53 | 75 02 | 14 | 176 | 1,514 | 3,002 | 3,337 | 42 | 731 | 1,548 | 1,637 |
| Syracuse WB, Airport | 8383 | Onondaga | 410 | 43 07 | 76 07 | 42 | 393 | 2,165 | 4,117 | 4,729 | 131 | 1,216 | 2,472 | 2,678 |
| Utica FAA AP | 8737 | Oneida | 718 | 43 09 | 75 23 | 14 | 321 | 1,973 | 3,780 | 4,308 | 98 | 1,069 | 2,183 | 2,351 |
| Walden 2 NE | 8902 | Orange | 400 | 41 34 | 74 10 | 33 | 429 | 2,213 | 4,142 | 4,726 | 133 | 1,223 | 2,455 | 2,627 |
| Wanakena Ranger School | 8944 | St. Lawrence | 1,510 | 44 09 | 74 54 | 38 | 215 | 1,604 | 3,126 | 3,470 | 56 | 784 | 1,629 | 1,721 |
| Watertown | 9000 | Jefferson | 497 | 43 58 | 75 52 | 38 | 335 | 2,021 | 3,916 | 4,453 | 104 | 1,109 | 2,312 | 2,492 |
| Whitehall | 9389 | Washington | 119 | 43 33 | 73 24 | 21 | 419 | 2,306 | 4,316 | 4,879 | 132 | 1,324 | 2,638 | 2,826 |

* Period of record for all stations end February 28, 1964, with the exception of Walden, which ends February 28, 1959.

Table 3. Growing Degree Days, Base 40°

| Clim. week no. | Addison | | Albany | | Alexandria Bay | | Alfred | | Alleghany State Park | |
|----------------|---------|------|--------|------|----------------|------|--------|------|----------------------|------|
| | Mean | S.D. | Mean | S.D. | Mean | S.D. | Mean | S.D. | Mean | S.D. |
| 1 | 6 | 11 | 3 | 4 | 1 | 3 | 3 | 6 | 7 | 11 |
| 2 | 6 | 12 | 7 | 10 | 2 | 3 | 5 | 9 | 4 | 8 |
| 3 | 4 | 6 | 12 | 19 | 1 | 3 | 10 | 17 | 4 | 6 |
| 4 | 16 | 23 | 24 | 26 | 10 | 15 | 16 | 21 | 18 | 24 |
| 5 | 27 | 23 | 27 | 24 | 16 | 12 | 19 | 22 | 27 | 27 |
| 6 | 27 | 22 | 39 | 28 | 19 | 16 | 26 | 27 | 28 | 25 |
| 7 | 45 | 36 | 53 | 37 | 38 | 26 | 35 | 33 | 41 | 34 |
| 8 | 84 | 50 | 77 | 37 | 62 | 34 | 54 | 40 | 69 | 41 |
| 9 | 90 | 37 | 94 | 31 | 76 | 32 | 69 | 39 | 85 | 42 |
| 10 | 104 | 33 | 120 | 36 | 95 | 35 | 85 | 38 | 92 | 39 |
| 11 | 115 | 35 | 124 | 26 | 104 | 24 | 92 | 31 | 105 | 31 |
| 12 | 127 | 39 | 143 | 25 | 125 | 33 | 111 | 34 | 118 | 38 |
| 13 | 132 | 32 | 157 | 33 | 135 | 32 | 119 | 35 | 115 | 34 |
| 14 | 163 | 17 | 184 | 34 | 161 | 14 | 144 | 36 | 147 | 17 |
| 15 | 172 | 27 | 188 | 26 | 169 | 20 | 152 | 30 | 160 | 23 |
| 16 | 180 | 41 | 199 | 34 | 185 | 40 | 161 | 33 | 163 | 38 |
| 17 | 198 | 27 | 216 | 28 | 198 | 25 | 176 | 27 | 181 | 30 |
| 18 | 207 | 20 | 224 | 26 | 209 | 24 | 183 | 28 | 192 | 21 |
| 19 | 194 | 28 | 231 | 25 | 202 | 27 | 186 | 27 | 174 | 33 |
| 20 | 209 | 20 | 234 | 21 | 216 | 17 | 190 | 22 | 190 | 22 |
| 21 | 211 | 25 | 238 | 20 | 220 | 20 | 196 | 24 | 196 | 24 |
| 22 | 218 | 20 | 240 | 21 | 226 | 19 | 196 | 21 | 199 | 18 |
| 23 | 198 | 26 | 227 | 26 | 211 | 25 | 186 | 28 | 183 | 23 |
| 24 | 200 | 26 | 226 | 24 | 210 | 23 | 186 | 28 | 184 | 26 |
| 25 | 189 | 29 | 216 | 27 | 193 | 29 | 174 | 31 | 170 | 29 |
| 26 | 189 | 27 | 206 | 27 | 201 | 24 | 165 | 33 | 177 | 28 |
| 27 | 201 | 30 | 206 | 30 | 200 | 32 | 171 | 33 | 182 | 29 |
| 28 | 161 | 32 | 182 | 33 | 169 | 30 | 150 | 34 | 148 | 27 |
| 29 | 140 | 33 | 163 | 30 | 140 | 34 | 135 | 34 | 125 | 30 |
| 30 | 122 | 46 | 145 | 33 | 129 | 45 | 115 | 41 | 108 | 44 |
| 31 | 115 | 39 | 123 | 30 | 120 | 27 | 94 | 36 | 116 | 33 |
| 32 | 107 | 38 | 116 | 31 | 108 | 30 | 91 | 38 | 98 | 42 |
| 33 | 96 | 32 | 98 | 33 | 96 | 30 | 75 | 34 | 89 | 28 |
| 34 | 75 | 27 | 77 | 34 | 77 | 28 | 57 | 31 | 69 | 34 |
| 35 | 46 | 22 | 58 | 31 | 51 | 24 | 38 | 27 | 46 | 25 |
| 36 | 38 | 33 | 50 | 30 | 37 | 26 | 33 | 27 | 31 | 33 |
| 37 | 23 | 16 | 32 | 19 | 22 | 11 | 19 | 16 | 18 | 17 |
| 38 | 33 | 26 | 31 | 27 | 31 | 25 | 25 | 28 | 28 | 27 |
| 39 | 12 | 13 | 14 | 16 | 11 | 16 | 8 | 13 | 8 | 11 |
| 40 | 5 | 7 | 7 | 11 | 4 | 6 | 6 | 10 | 4 | 5 |
| 41 | 5 | 9 | 7 | 10 | 6 | 10 | 3 | 8 | 6 | 9 |
| 42 | 1 | 2 | 2 | 3 | 1 | 2 | 0 | 2 | 0 | 0 |
| 43 | 4 | 9 | 3 | 8 | 4 | 10 | 3 | 7 | 3 | 8 |
| 44 | 1 | 2 | 1 | 4 | 1 | 3 | 2 | 4 | 1 | 3 |
| 45 | 2 | 6 | 3 | 8 | 1 | 5 | 3 | 6 | 2 | 7 |
| 46 | 1 | 2 | 2 | 7 | 0 | 1 | 2 | 6 | 2 | 4 |
| 47 | 1 | 1 | 2 | 3 | 0 | 1 | 1 | 4 | 1 | 2 |
| 48 | 2 | 6 | 1 | 3 | 1 | 3 | 2 | 6 | 4 | 13 |
| 49 | 1 | 2 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 2 |
| 50 | 1 | 2 | 1 | 3 | 0 | 0 | 1 | 3 | 1 | 2 |
| 51 | 2 | 7 | 2 | 5 | 0 | 1 | 2 | 5 | 2 | 7 |
| 52 | 4 | 6 | 3 | 7 | 1 | 3 | 3 | 6 | 4 | 6 |
| Total | 4,511 | | 5,038 | | 4,495 | | 3,978 | | 4,126 | |

Table 3 (continued)

| Clim. week no. | Angelica | | Arcade | | Auburn | | Binghamton | | Bridge-hampton | |
|----------------|----------|------|--------|------|--------|------|------------|------|----------------|------|
| | Mean | S.D. | Mean | S.D. | Mean | S.D. | Mean | S.D. | Mean | S.D. |
| 1 | 4 | 8 | 4 | 9 | 1 | 3 | 5 | 8 | 5 | 6 |
| 2 | 5 | 9 | 6 | 9 | 4 | 7 | 8 | 11 | 7 | 9 |
| 3 | 12 | 18 | 4 | 4 | 9 | 16 | 15 | 22 | 11 | 15 |
| 4 | 15 | 17 | 10 | 13 | 14 | 18 | 24 | 28 | 20 | 18 |
| 5 | 22 | 24 | 19 | 25 | 17 | 20 | 28 | 26 | 27 | 19 |
| 6 | 28 | 26 | 24 | 23 | 24 | 25 | 35 | 29 | 32 | 18 |
| 7 | 38 | 34 | 34 | 28 | 35 | 31 | 48 | 39 | 46 | 26 |
| 8 | 56 | 37 | 72 | 51 | 54 | 31 | 70 | 40 | 62 | 25 |
| 9 | 72 | 38 | 77 | 49 | 69 | 32 | 89 | 39 | 72 | 22 |
| 10 | 87 | 38 | 74 | 32 | 88 | 34 | 107 | 38 | 93 | 22 |
| 11 | 95 | 30 | 107 | 29 | 96 | 25 | 116 | 29 | 105 | 19 |
| 12 | 114 | 35 | 101 | 44 | 119 | 28 | 135 | 30 | 119 | 21 |
| 13 | 124 | 39 | 116 | 37 | 130 | 31 | 144 | 34 | 136 | 22 |
| 14 | 147 | 38 | 143 | 18 | 158 | 33 | 169 | 35 | 157 | 23 |
| 15 | 158 | 31 | 163 | 24 | 170 | 26 | 178 | 28 | 165 | 20 |
| 16 | 168 | 35 | 158 | 41 | 182 | 33 | 187 | 35 | 176 | 28 |
| 17 | 179 | 29 | 173 | 30 | 201 | 26 | 203 | 27 | 196 | 23 |
| 18 | 190 | 29 | 191 | 15 | 213 | 29 | 212 | 27 | 205 | 20 |
| 19 | 191 | 28 | 169 | 32 | 217 | 28 | 215 | 27 | 213 | 20 |
| 20 | 195 | 23 | 191 | 14 | 221 | 22 | 220 | 24 | 214 | 20 |
| 21 | 204 | 27 | 194 | 18 | 228 | 23 | 226 | 24 | 223 | 18 |
| 22 | 203 | 25 | 196 | 23 | 231 | 21 | 229 | 21 | 230 | 17 |
| 23 | 192 | 30 | 188 | 24 | 220 | 28 | 215 | 31 | 219 | 25 |
| 24 | 191 | 29 | 184 | 28 | 220 | 26 | 214 | 28 | 220 | 19 |
| 25 | 180 | 31 | 166 | 42 | 210 | 30 | 203 | 28 | 213 | 22 |
| 26 | 173 | 35 | 176 | 31 | 201 | 30 | 194 | 33 | 204 | 26 |
| 27 | 178 | 33 | 185 | 34 | 204 | 34 | 198 | 33 | 205 | 25 |
| 28 | 156 | 32 | 142 | 30 | 182 | 35 | 173 | 36 | 184 | 26 |
| 29 | 140 | 33 | 119 | 38 | 165 | 34 | 158 | 32 | 170 | 24 |
| 30 | 119 | 41 | 110 | 48 | 147 | 41 | 138 | 37 | 154 | 23 |
| 31 | 98 | 36 | 103 | 47 | 122 | 33 | 114 | 36 | 135 | 25 |
| 32 | 94 | 37 | 92 | 39 | 118 | 34 | 109 | 38 | 129 | 27 |
| 33 | 78 | 33 | 82 | 33 | 104 | 32 | 93 | 34 | 109 | 27 |
| 34 | 57 | 28 | 65 | 26 | 80 | 33 | 74 | 34 | 97 | 26 |
| 35 | 40 | 26 | 37 | 24 | 57 | 32 | 55 | 32 | 77 | 27 |
| 36 | 36 | 28 | 31 | 33 | 47 | 28 | 45 | 31 | 70 | 27 |
| 37 | 21 | 19 | 13 | 9 | 32 | 21 | 30 | 23 | 46 | 24 |
| 38 | 26 | 30 | 30 | 27 | 35 | 32 | 34 | 32 | 41 | 25 |
| 39 | 9 | 14 | 6 | 7 | 13 | 16 | 13 | 17 | 27 | 19 |
| 40 | 6 | 11 | 3 | 4 | 9 | 13 | 8 | 14 | 17 | 15 |
| 41 | 3 | 7 | 2 | 5 | 6 | 10 | 7 | 12 | 15 | 15 |
| 42 | 1 | 2 | 1 | 2 | 1 | 3 | 2 | 4 | 5 | 6 |
| 43 | 3 | 7 | 3 | 8 | 4 | 8 | 5 | 9 | 6 | 10 |
| 44 | 1 | 4 | 1 | 1 | 2 | 4 | 3 | 5 | 5 | 8 |
| 45 | 3 | 7 | 0 | 0 | 3 | 6 | 5 | 9 | 7 | 9 |
| 46 | 2 | 7 | 0 | 0 | 2 | 7 | 3 | 7 | 4 | 8 |
| 47 | 2 | 6 | 1 | 2 | 1 | 5 | 3 | 5 | 4 | 6 |
| 48 | 2 | 7 | 0 | 1 | 1 | 4 | 3 | 8 | 4 | 6 |
| 49 | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 2 | 2 | 4 |
| 50 | 1 | 4 | 1 | 2 | 1 | 3 | 2 | 3 | 3 | 4 |
| 51 | 2 | 4 | 2 | 7 | 1 | 3 | 4 | 8 | 4 | 8 |
| 52 | 3 | 6 | 2 | 5 | 2 | 6 | 4 | 9 | 5 | 7 |
| Total | 4,124 | | 3,971 | | 4,671 | | 4,773 | | 4,895 | |

Table 3 (continued)

| Clim. week no. | Buffalo | | Canton | | Carmel | | Chasm Falls | | Cooperstown | |
|----------------|---------|------|--------|------|--------|------|-------------|------|-------------|------|
| | Mean | S.D. | Mean | S.D. | Mean | S.D. | Mean | S.D. | Mean | S.D. |
| 1 | 3 | 5 | 1 | 3 | 3 | 5 | 1 | 3 | 2 | 5 |
| 2 | 7 | 11 | 3 | 5 | 5 | 8 | 1 | 3 | 2 | 6 |
| 3 | 10 | 15 | 5 | 10 | 12 | 19 | 2 | 4 | 7 | 16 |
| 4 | 16 | 20 | 11 | 18 | 20 | 22 | 10 | 16 | 16 | 21 |
| 5 | 19 | 20 | 11 | 14 | 26 | 25 | 10 | 10 | 19 | 23 |
| 6 | 29 | 27 | 21 | 24 | 35 | 23 | 11 | 11 | 20 | 22 |
| 7 | 35 | 33 | 31 | 29 | 47 | 34 | 29 | 23 | 37 | 35 |
| 8 | 52 | 37 | 48 | 31 | 69 | 34 | 57 | 38 | 58 | 38 |
| 9 | 69 | 39 | 64 | 34 | 83 | 27 | 62 | 32 | 72 | 33 |
| 10 | 82 | 35 | 86 | 38 | 105 | 34 | 86 | 43 | 88 | 34 |
| 11 | 94 | 28 | 93 | 29 | 114 | 24 | 99 | 35 | 96 | 31 |
| 12 | 110 | 32 | 112 | 31 | 133 | 27 | 112 | 36 | 117 | 30 |
| 13 | 128 | 37 | 130 | 32 | 141 | 30 | 121 | 38 | 129 | 32 |
| 14 | 152 | 35 | 153 | 34 | 163 | 30 | 153 | 21 | 153 | 34 |
| 15 | 167 | 24 | 159 | 26 | 173 | 24 | 151 | 23 | 161 | 28 |
| 16 | 179 | 32 | 174 | 35 | 182 | 33 | 174 | 42 | 168 | 33 |
| 17 | 193 | 28 | 186 | 27 | 199 | 27 | 183 | 22 | 183 | 28 |
| 18 | 202 | 29 | 194 | 31 | 209 | 23 | 191 | 27 | 192 | 27 |
| 19 | 210 | 26 | 200 | 29 | 214 | 27 | 180 | 30 | 193 | 30 |
| 20 | 215 | 22 | 203 | 22 | 217 | 20 | 196 | 21 | 199 | 20 |
| 21 | 218 | 20 | 209 | 22 | 226 | 23 | 196 | 21 | 205 | 24 |
| 22 | 218 | 22 | 208 | 24 | 228 | 22 | 203 | 22 | 209 | 22 |
| 23 | 216 | 24 | 199 | 26 | 215 | 29 | 182 | 27 | 191 | 27 |
| 24 | 212 | 25 | 197 | 30 | 214 | 23 | 183 | 28 | 194 | 27 |
| 25 | 201 | 28 | 185 | 31 | 203 | 29 | 168 | 34 | 188 | 32 |
| 26 | 194 | 31 | 178 | 31 | 194 | 27 | 178 | 28 | 174 | 31 |
| 27 | 195 | 30 | 177 | 33 | 199 | 30 | 182 | 35 | 178 | 34 |
| 28 | 174 | 32 | 152 | 36 | 174 | 29 | 144 | 34 | 152 | 37 |
| 29 | 156 | 32 | 132 | 36 | 158 | 30 | 119 | 36 | 136 | 32 |
| 30 | 139 | 38 | 115 | 41 | 139 | 30 | 108 | 49 | 118 | 36 |
| 31 | 119 | 34 | 93 | 35 | 118 | 33 | 107 | 34 | 96 | 32 |
| 32 | 111 | 35 | 88 | 33 | 113 | 32 | 93 | 35 | 95 | 34 |
| 33 | 98 | 33 | 73 | 34 | 96 | 31 | 82 | 32 | 75 | 33 |
| 34 | 72 | 35 | 52 | 29 | 81 | 35 | 67 | 36 | 62 | 30 |
| 35 | 54 | 33 | 34 | 29 | 58 | 32 | 39 | 22 | 44 | 29 |
| 36 | 48 | 32 | 31 | 24 | 51 | 30 | 28 | 24 | 36 | 27 |
| 37 | 30 | 19 | 17 | 14 | 29 | 22 | 11 | 10 | 21 | 20 |
| 38 | 32 | 32 | 20 | 22 | 29 | 24 | 26 | 26 | 21 | 23 |
| 39 | 11 | 14 | 8 | 14 | 13 | 16 | 11 | 17 | 10 | 15 |
| 40 | 9 | 12 | 4 | 7 | 7 | 11 | 4 | 6 | 5 | 9 |
| 41 | 6 | 11 | 4 | 7 | 6 | 9 | 5 | 9 | 4 | 9 |
| 42 | 2 | 4 | 0 | 1 | 2 | 3 | 0 | 0 | 0 | 1 |
| 43 | 4 | 9 | 2 | 7 | 3 | 7 | 3 | 7 | 2 | 6 |
| 44 | 2 | 5 | 1 | 3 | 2 | 4 | 0 | 1 | 1 | 2 |
| 45 | 3 | 7 | 2 | 5 | 3 | 6 | 1 | 4 | 2 | 6 |
| 46 | 3 | 7 | 1 | 4 | 2 | 6 | 0 | 1 | 1 | 6 |
| 47 | 2 | 4 | 1 | 3 | 1 | 2 | 0 | 2 | 1 | 2 |
| 48 | 2 | 7 | 0 | 2 | 1 | 3 | 1 | 4 | 1 | 2 |
| 49 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| 50 | 2 | 7 | 1 | 3 | 1 | 3 | 0 | 1 | 0 | 1 |
| 51 | 2 | 6 | 0 | 1 | 2 | 6 | 0 | 1 | 2 | 3 |
| 52 | 3 | 7 | 1 | 3 | 3 | 8 | 1 | 2 | 2 | 3 |
| Total | 4,511 | | 4,070 | | 4,721 | | 3,971 | | 4,138 | |

Table 3 (continued)

| Clim. week no. | Cortland | | Dannemora | | Dansville | | Delhi | | Elmira | |
|----------------|----------|------|-----------|------|-----------|------|-------|------|--------|------|
| | Mean | S.D. | Mean | S.D. | Mean | S.D. | Mean | S.D. | Mean | S.D. |
| 1..... | 3 | 6 | 0 | 1 | 6 | 9 | 3 | 6 | 4 | 9 |
| 2..... | 3 | 7 | 2 | 5 | 5 | 10 | 4 | 7 | 6 | 11 |
| 3..... | 3 | 5 | 4 | 10 | 7 | 8 | 11 | 18 | 15 | 22 |
| 4..... | 14 | 23 | 11 | 19 | 24 | 32 | 17 | 22 | 22 | 26 |
| 5..... | 25 | 18 | 10 | 16 | 37 | 27 | 20 | 22 | 29 | 26 |
| 6..... | 20 | 14 | 18 | 23 | 35 | 22 | 25 | 25 | 36 | 29 |
| 7..... | 33 | 32 | 27 | 29 | 49 | 33 | 35 | 32 | 50 | 38 |
| 8..... | 66 | 44 | 46 | 34 | 76 | 41 | 55 | 39 | 71 | 38 |
| 9..... | 79 | 40 | 61 | 35 | 90 | 38 | 70 | 36 | 91 | 39 |
| 10..... | 86 | 36 | 88 | 41 | 112 | 41 | 88 | 36 | 109 | 38 |
| 11..... | 98 | 34 | 92 | 31 | 118 | 29 | 96 | 31 | 116 | 31 |
| 12..... | 116 | 46 | 109 | 32 | 140 | 39 | 118 | 30 | 138 | 34 |
| 13..... | 114 | 40 | 131 | 36 | 140 | 38 | 122 | 36 | 145 | 36 |
| 14..... | 149 | 17 | 150 | 36 | 174 | 17 | 148 | 33 | 169 | 35 |
| 15..... | 163 | 27 | 157 | 26 | 186 | 30 | 159 | 27 | 180 | 26 |
| 16..... | 173 | 41 | 170 | 40 | 195 | 43 | 165 | 35 | 190 | 36 |
| 17..... | 191 | 27 | 183 | 28 | 213 | 33 | 181 | 26 | 205 | 28 |
| 18..... | 203 | 24 | 192 | 35 | 226 | 26 | 188 | 26 | 215 | 30 |
| 19..... | 184 | 32 | 197 | 28 | 208 | 36 | 191 | 29 | 216 | 29 |
| 20..... | 203 | 20 | 198 | 21 | 231 | 25 | 196 | 23 | 221 | 24 |
| 21..... | 207 | 27 | 205 | 21 | 230 | 28 | 205 | 23 | 229 | 27 |
| 22..... | 212 | 24 | 206 | 23 | 234 | 23 | 206 | 19 | 229 | 21 |
| 23..... | 180 | 31 | 193 | 28 | 216 | 31 | 191 | 29 | 216 | 33 |
| 24..... | 190 | 26 | 194 | 30 | 212 | 31 | 192 | 25 | 213 | 27 |
| 25..... | 183 | 33 | 183 | 33 | 206 | 32 | 180 | 30 | 204 | 29 |
| 26..... | 179 | 26 | 178 | 32 | 210 | 27 | 174 | 29 | 192 | 33 |
| 27..... | 191 | 36 | 175 | 37 | 211 | 37 | 176 | 33 | 198 | 33 |
| 28..... | 152 | 37 | 152 | 37 | 180 | 36 | 152 | 34 | 174 | 34 |
| 29..... | 125 | 37 | 134 | 34 | 148 | 35 | 140 | 31 | 154 | 34 |
| 30..... | 111 | 46 | 117 | 39 | 131 | 43 | 120 | 38 | 135 | 36 |
| 31..... | 110 | 37 | 88 | 36 | 139 | 36 | 98 | 34 | 111 | 36 |
| 32..... | 94 | 38 | 90 | 32 | 118 | 38 | 94 | 34 | 105 | 38 |
| 33..... | 86 | 36 | 75 | 40 | 111 | 30 | 77 | 33 | 90 | 34 |
| 34..... | 67 | 37 | 56 | 35 | 90 | 41 | 61 | 31 | 72 | 35 |
| 35..... | 44 | 22 | 35 | 30 | 65 | 26 | 42 | 28 | 50 | 31 |
| 36..... | 35 | 32 | 28 | 26 | 46 | 38 | 36 | 31 | 44 | 30 |
| 37..... | 15 | 16 | 13 | 16 | 27 | 19 | 22 | 19 | 27 | 23 |
| 38..... | 27 | 20 | 18 | 20 | 39 | 34 | 27 | 29 | 32 | 30 |
| 39..... | 8 | 11 | 6 | 13 | 17 | 18 | 10 | 14 | 13 | 16 |
| 40..... | 5 | 6 | 3 | 8 | 12 | 12 | 6 | 11 | 7 | 11 |
| 41..... | 7 | 11 | 2 | 5 | 12 | 14 | 4 | 8 | 6 | 11 |
| 42..... | 1 | 2 | 0 | 0 | 1 | 3 | 1 | 3 | 2 | 4 |
| 43..... | 4 | 10 | 1 | 3 | 4 | 6 | 2 | 6 | 3 | 7 |
| 44..... | 1 | 2 | 0 | 1 | 2 | 4 | 2 | 4 | 2 | 5 |
| 45..... | 2 | 7 | 1 | 4 | 4 | 11 | 3 | 7 | 4 | 8 |
| 46..... | 1 | 2 | 1 | 4 | 3 | 6 | 2 | 6 | 3 | 7 |
| 47..... | 1 | 2 | 0 | 0 | 2 | 3 | 1 | 3 | 2 | 4 |
| 48..... | 2 | 7 | 0 | 2 | 5 | 10 | 1 | 5 | 2 | 6 |
| 49..... | 0 | 0 | 0 | 0 | 1 | 3 | 1 | 2 | 1 | 2 |
| 50..... | 1 | 2 | 0 | 0 | 1 | 2 | 1 | 2 | 2 | 3 |
| 51..... | 1 | 4 | 0 | 1 | 2 | 6 | 2 | 5 | 3 | 7 |
| 52..... | 2 | 5 | 1 | 3 | 6 | 8 | 3 | 7 | 3 | 7 |
| Total.... | 4,179 | | 4,001 | | 4,957 | | 4,124 | | 4,756 | |

Table 3 (continued)

| Clim. week no. | Fredonia | | Freehold | | Geneva | | Gowanda | | Hemlock | |
|----------------|----------|------|----------|------|--------|------|---------|------|---------|------|
| | Mean | S.D. | Mean | S.D. | Mean | S.D. | Mean | S.D. | Mean | S.D. |
| 1..... | 5 | 11 | 4 | 5 | 3 | 6 | 7 | 11 | 3 | 6 |
| 2..... | 9 | 16 | 5 | 10 | 6 | 11 | 8 | 10 | 5 | 10 |
| 3..... | 17 | 25 | 4 | 5 | 14 | 22 | 8 | 10 | 10 | 16 |
| 4..... | 25 | 27 | 23 | 24 | 22 | 26 | 22 | 25 | 16 | 21 |
| 5..... | 28 | 29 | 36 | 23 | 26 | 26 | 34 | 30 | 20 | 22 |
| 6..... | 37 | 32 | 37 | 24 | 33 | 29 | 33 | 25 | 26 | 26 |
| 7..... | 48 | 42 | 59 | 31 | 46 | 36 | 50 | 36 | 40 | 32 |
| 8..... | 68 | 38 | 94 | 44 | 70 | 37 | 86 | 49 | 58 | 35 |
| 9..... | 84 | 42 | 95 | 31 | 86 | 40 | 93 | 45 | 76 | 37 |
| 10..... | 100 | 39 | 116 | 35 | 103 | 40 | 100 | 38 | 95 | 37 |
| 11..... | 109 | 30 | 129 | 29 | 110 | 29 | 115 | 33 | 104 | 27 |
| 12..... | 128 | 31 | 143 | 34 | 133 | 32 | 129 | 42 | 126 | 31 |
| 13..... | 141 | 33 | 147 | 32 | 143 | 35 | 130 | 36 | 138 | 35 |
| 14..... | 168 | 36 | 186 | 18 | 171 | 35 | 162 | 18 | 162 | 35 |
| 15..... | 181 | 28 | 185 | 24 | 179 | 27 | 178 | 24 | 172 | 26 |
| 16..... | 191 | 34 | 195 | 45 | 189 | 36 | 189 | 46 | 184 | 35 |
| 17..... | 205 | 30 | 225 | 31 | 207 | 27 | 200 | 34 | 200 | 27 |
| 18..... | 215 | 29 | 227 | 19 | 216 | 27 | 215 | 23 | 209 | 28 |
| 19..... | 219 | 26 | 213 | 26 | 219 | 29 | 199 | 28 | 214 | 27 |
| 20..... | 220 | 22 | 234 | 22 | 222 | 21 | 214 | 20 | 215 | 24 |
| 21..... | 227 | 24 | 237 | 26 | 228 | 24 | 217 | 22 | 222 | 23 |
| 22..... | 230 | 24 | 240 | 19 | 231 | 21 | 223 | 22 | 223 | 22 |
| 23..... | 221 | 25 | 215 | 27 | 219 | 30 | 204 | 25 | 212 | 28 |
| 24..... | 220 | 27 | 220 | 27 | 216 | 28 | 203 | 23 | 210 | 28 |
| 25..... | 209 | 26 | 209 | 32 | 208 | 31 | 194 | 31 | 198 | 29 |
| 26..... | 203 | 31 | 208 | 25 | 198 | 31 | 201 | 28 | 190 | 33 |
| 27..... | 205 | 32 | 209 | 33 | 203 | 34 | 206 | 31 | 193 | 33 |
| 28..... | 186 | 29 | 171 | 31 | 179 | 34 | 169 | 33 | 169 | 33 |
| 29..... | 172 | 33 | 151 | 32 | 161 | 36 | 150 | 32 | 154 | 34 |
| 30..... | 154 | 37 | 133 | 42 | 143 | 39 | 136 | 45 | 134 | 38 |
| 31..... | 130 | 34 | 124 | 37 | 118 | 32 | 131 | 39 | 111 | 35 |
| 32..... | 124 | 35 | 113 | 33 | 114 | 36 | 116 | 38 | 108 | 34 |
| 33..... | 109 | 31 | 99 | 31 | 98 | 32 | 107 | 31 | 92 | 32 |
| 34..... | 86 | 35 | 77 | 28 | 77 | 34 | 92 | 37 | 71 | 33 |
| 35..... | 65 | 33 | 54 | 25 | 57 | 32 | 62 | 28 | 52 | 30 |
| 36..... | 54 | 34 | 42 | 30 | 47 | 29 | 43 | 34 | 42 | 28 |
| 37..... | 35 | 22 | 25 | 18 | 29 | 23 | 28 | 18 | 27 | 20 |
| 38..... | 40 | 36 | 32 | 21 | 36 | 32 | 43 | 33 | 34 | 32 |
| 39..... | 16 | 19 | 11 | 14 | 14 | 18 | 16 | 17 | 12 | 16 |
| 40..... | 13 | 18 | 5 | 6 | 8 | 12 | 13 | 16 | 9 | 12 |
| 41..... | 8 | 15 | 8 | 12 | 6 | 11 | 10 | 12 | 6 | 11 |
| 42..... | 3 | 5 | 1 | 2 | 1 | 3 | 2 | 3 | 1 | 2 |
| 43..... | 6 | 11 | 5 | 11 | 4 | 9 | 7 | 13 | 4 | 9 |
| 44..... | 3 | 6 | 3 | 7 | 2 | 6 | 3 | 7 | 2 | 4 |
| 45..... | 5 | 10 | 3 | 10 | 4 | 7 | 3 | 8 | 3 | 7 |
| 46..... | 4 | 9 | 2 | 3 | 3 | 7 | 3 | 5 | 2 | 6 |
| 47..... | 3 | 6 | 2 | 5 | 2 | 5 | 2 | 3 | 2 | 4 |
| 48..... | 3 | 7 | 2 | 5 | 2 | 5 | 4 | 10 | 2 | 6 |
| 49..... | 1 | 2 | 1 | 2 | 0 | 2 | 2 | 3 | 0 | 2 |
| 50..... | 3 | 7 | 1 | 3 | 1 | 3 | 1 | 2 | 1 | 3 |
| 51..... | 4 | 7 | 2 | 6 | 2 | 4 | 2 | 8 | 2 | 5 |
| 52..... | 6 | 11 | 5 | 7 | 4 | 8 | 7 | 9 | 3 | 6 |
| Total | 4,946 | | 4,967 | | 4,813 | | 4,772 | | 4,564 | |

Table 3 (continued)

| Clim. week no. | Indian Lake | | Ithaca | | Jamestown | | Lake Placid | | Lewiston | |
|----------------|-------------|------|--------|------|-----------|------|-------------|------|----------|------|
| | Mean | S.D. | Mean | S.D. | Mean | S.D. | Mean | S.D. | Mean | S.D. |
| 1 | 0 | 2 | 3 | 7 | 6 | 12 | 1 | 3 | 3 | 5 |
| 2 | 0 | 1 | 6 | 11 | 9 | 15 | 0 | 1 | 4 | 7 |
| 3 | 0 | 1 | 12 | 19 | 19 | 27 | 0 | 0 | 5 | 6 |
| 4 | 4 | 9 | 20 | 24 | 26 | 29 | 6 | 11 | 19 | 22 |
| 5 | 3 | 4 | 24 | 24 | 30 | 27 | 8 | 8 | 26 | 20 |
| 6 | 6 | 7 | 30 | 26 | 39 | 33 | 8 | 7 | 28 | 21 |
| 7 | 11 | 13 | 42 | 37 | 50 | 45 | 18 | 19 | 50 | 32 |
| 8 | 36 | 30 | 62 | 36 | 73 | 42 | 35 | 25 | 71 | 37 |
| 9 | 38 | 25 | 79 | 40 | 91 | 42 | 41 | 26 | 81 | 40 |
| 10 | 55 | 32 | 95 | 40 | 106 | 39 | 61 | 41 | 104 | 35 |
| 11 | 68 | 33 | 101 | 30 | 114 | 32 | 72 | 34 | 116 | 26 |
| 12 | 86 | 37 | 124 | 32 | 134 | 33 | 95 | 37 | 131 | 39 |
| 13 | 90 | 32 | 133 | 37 | 142 | 35 | 95 | 39 | 142 | 30 |
| 14 | 122 | 15 | 157 | 38 | 166 | 37 | 130 | 28 | 167 | 17 |
| 15 | 125 | 25 | 165 | 27 | 177 | 30 | 129 | 28 | 185 | 26 |
| 16 | 138 | 43 | 177 | 36 | 185 | 37 | 142 | 46 | 200 | 37 |
| 17 | 156 | 27 | 192 | 28 | 200 | 32 | 162 | 25 | 255 | 178 |
| 18 | 163 | 23 | 203 | 28 | 209 | 29 | 170 | 25 | 314 | 352 |
| 19 | 149 | 31 | 207 | 31 | 210 | 31 | 157 | 33 | 213 | 23 |
| 20 | 165 | 21 | 210 | 24 | 213 | 25 | 173 | 21 | 228 | 22 |
| 21 | 171 | 27 | 218 | 27 | 221 | 25 | 176 | 24 | 232 | 22 |
| 22 | 176 | 19 | 219 | 23 | 223 | 25 | 181 | 22 | 238 | 22 |
| 23 | 151 | 28 | 206 | 33 | 210 | 26 | 158 | 29 | 220 | 23 |
| 24 | 156 | 28 | 205 | 28 | 211 | 27 | 160 | 29 | 220 | 22 |
| 25 | 147 | 34 | 196 | 32 | 200 | 31 | 150 | 32 | 207 | 28 |
| 26 | 147 | 23 | 184 | 31 | 192 | 32 | 155 | 24 | 218 | 31 |
| 27 | 154 | 34 | 189 | 34 | 195 | 33 | 156 | 35 | 210 | 31 |
| 28 | 117 | 32 | 166 | 34 | 175 | 31 | 122 | 36 | 182 | 29 |
| 29 | 90 | 33 | 149 | 36 | 161 | 34 | 92 | 36 | 157 | 30 |
| 30 | 83 | 42 | 131 | 40 | 141 | 41 | 78 | 42 | 144 | 43 |
| 31 | 77 | 32 | 107 | 36 | 117 | 36 | 80 | 33 | 136 | 31 |
| 32 | 63 | 29 | 101 | 36 | 113 | 40 | 67 | 32 | 124 | 36 |
| 33 | 54 | 28 | 88 | 36 | 99 | 34 | 63 | 31 | 116 | 31 |
| 34 | 39 | 25 | 69 | 35 | 78 | 36 | 45 | 27 | 91 | 30 |
| 35 | 22 | 16 | 49 | 32 | 57 | 31 | 23 | 16 | 66 | 28 |
| 36 | 17 | 19 | 42 | 29 | 46 | 31 | 18 | 18 | 42 | 27 |
| 37 | 4 | 7 | 27 | 24 | 28 | 22 | 5 | 8 | 32 | 12 |
| 38 | 11 | 10 | 34 | 33 | 36 | 35 | 14 | 14 | 42 | 36 |
| 39 | 3 | 7 | 11 | 16 | 12 | 16 | 5 | 9 | 14 | 17 |
| 40 | 0 | 1 | 8 | 13 | 9 | 13 | 1 | 2 | 9 | 9 |
| 41 | 1 | 4 | 5 | 10 | 7 | 11 | 3 | 7 | 9 | 12 |
| 42 | 0 | 0 | 1 | 3 | 2 | 5 | 0 | 0 | 1 | 3 |
| 43 | 1 | 3 | 4 | 8 | 5 | 10 | 0 | 2 | 6 | 13 |
| 44 | 0 | 0 | 2 | 5 | 3 | 6 | 0 | 1 | 1 | 4 |
| 45 | 0 | 2 | 3 | 7 | 4 | 9 | 1 | 4 | 2 | 7 |
| 46 | 0 | 0 | 3 | 8 | 3 | 8 | 0 | 1 | 2 | 4 |
| 47 | 0 | 0 | 2 | 5 | 3 | 8 | 0 | 0 | 2 | 3 |
| 48 | 0 | 0 | 2 | 5 | 4 | 11 | 1 | 3 | 2 | 7 |
| 49 | 0 | 0 | 0 | 1 | 1 | 2 | 0 | 0 | 0 | 1 |
| 50 | 0 | 0 | 1 | 3 | 2 | 6 | 0 | 1 | 0 | 1 |
| 51 | 0 | 1 | 3 | 6 | 4 | 8 | 0 | 1 | 2 | 8 |
| 52 | 0 | 1 | 4 | 7 | 6 | 12 | 1 | 2 | 3 | 5 |
| Total | 3,099 | | 4,471 | | 4,767 | | 3,258 | | 5,072 | |

Table 3 (continued)

| Clim. week no. | Liberty | | Little Falls | | Lockport | | Lowville | | Massena | |
|----------------|---------|------|--------------|------|----------|------|----------|------|---------|------|
| | Mean | S.D. | Mean | S.D. | Mean | S.D. | Mean | S.D. | Mean | S.D. |
| 1 | 1 | 3 | 1 | 2 | 1 | 4 | 1 | 2 | 0 | 1 |
| 2 | 3 | 6 | 2 | 6 | 1 | 3 | 2 | 5 | 0 | 0 |
| 3 | 2 | 5 | 6 | 14 | 2 | 6 | 4 | 10 | 0 | 1 |
| 4 | 6 | 9 | 14 | 22 | 5 | 14 | 10 | 17 | 5 | 9 |
| 5 | 19 | 16 | 14 | 21 | 6 | 13 | 12 | 17 | 7 | 9 |
| 6 | 21 | 17 | 23 | 25 | 7 | 13 | 19 | 24 | 12 | 12 |
| 7 | 31 | 25 | 35 | 34 | 16 | 30 | 29 | 29 | 32 | 24 |
| 8 | 72 | 42 | 56 | 37 | 18 | 24 | 49 | 34 | 50 | 30 |
| 9 | 73 | 34 | 74 | 36 | 29 | 29 | 64 | 34 | 60 | 30 |
| 10 | 76 | 30 | 94 | 39 | 40 | 34 | 88 | 40 | 86 | 42 |
| 11 | 96 | 32 | 101 | 28 | 41 | 24 | 92 | 29 | 90 | 25 |
| 12 | 110 | 42 | 120 | 30 | 52 | 26 | 111 | 31 | 114 | 34 |
| 13 | 112 | 35 | 132 | 35 | 70 | 37 | 127 | 32 | 125 | 36 |
| 14 | 144 | 18 | 156 | 33 | 87 | 34 | 148 | 31 | 153 | 23 |
| 15 | 147 | 26 | 164 | 25 | 100 | 27 | 157 | 27 | 155 | 22 |
| 16 | 157 | 40 | 173 | 35 | 113 | 36 | 170 | 36 | 176 | 41 |
| 17 | 176 | 24 | 189 | 28 | 129 | 29 | 183 | 27 | 190 | 21 |
| 18 | 189 | 21 | 197 | 26 | 133 | 25 | 192 | 29 | 196 | 28 |
| 19 | 172 | 26 | 204 | 29 | 144 | 28 | 196 | 30 | 188 | 30 |
| 20 | 191 | 20 | 207 | 22 | 141 | 25 | 197 | 22 | 207 | 21 |
| 21 | 198 | 23 | 214 | 23 | 151 | 23 | 204 | 24 | 207 | 21 |
| 22 | 204 | 19 | 215 | 22 | 152 | 24 | 206 | 23 | 208 | 25 |
| 23 | 179 | 27 | 201 | 31 | 138 | 29 | 193 | 30 | 191 | 25 |
| 24 | 181 | 21 | 200 | 27 | 140 | 27 | 193 | 28 | 190 | 28 |
| 25 | 179 | 32 | 193 | 30 | 126 | 33 | 183 | 31 | 171 | 34 |
| 26 | 170 | 22 | 184 | 28 | 118 | 40 | 175 | 30 | 181 | 31 |
| 27 | 183 | 33 | 184 | 31 | 121 | 34 | 174 | 34 | 178 | 36 |
| 28 | 146 | 34 | 161 | 33 | 99 | 31 | 150 | 38 | 144 | 31 |
| 29 | 124 | 30 | 143 | 34 | 87 | 31 | 134 | 35 | 112 | 38 |
| 30 | 110 | 35 | 124 | 35 | 67 | 34 | 115 | 40 | 100 | 46 |
| 31 | 103 | 34 | 100 | 31 | 46 | 33 | 91 | 36 | 92 | 31 |
| 32 | 86 | 34 | 97 | 30 | 43 | 29 | 88 | 33 | 82 | 29 |
| 33 | 81 | 31 | 81 | 34 | 32 | 27 | 72 | 33 | 71 | 29 |
| 34 | 65 | 33 | 62 | 33 | 19 | 18 | 55 | 32 | 52 | 29 |
| 35 | 44 | 29 | 40 | 28 | 11 | 16 | 37 | 29 | 29 | 19 |
| 36 | 35 | 30 | 32 | 26 | 11 | 14 | 28 | 24 | 25 | 19 |
| 37 | 12 | 12 | 19 | 17 | 4 | 8 | 15 | 15 | 12 | 9 |
| 38 | 28 | 20 | 22 | 22 | 7 | 10 | 20 | 23 | 20 | 20 |
| 39 | 6 | 9 | 8 | 14 | 1 | 2 | 8 | 14 | 7 | 11 |
| 40 | 5 | 7 | 4 | 8 | 0 | 1 | 2 | 5 | 2 | 4 |
| 41 | 6 | 9 | 3 | 6 | 1 | 2 | 2 | 6 | 4 | 8 |
| 42 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 43 | 1 | 4 | 2 | 5 | 0 | 1 | 1 | 4 | 3 | 8 |
| 44 | 0 | 1 | 1 | 3 | 0 | 1 | 1 | 2 | 0 | 1 |
| 45 | 0 | 0 | 2 | 5 | 0 | 1 | 1 | 3 | 1 | 4 |
| 46 | 0 | 0 | 1 | 5 | 0 | 0 | 1 | 4 | 0 | 0 |
| 47 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 3 |
| 48 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 2 | 1 | 3 |
| 49 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 50 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 |
| 51 | 2 | 7 | 1 | 2 | 0 | 1 | 0 | 1 | 0 | 0 |
| 52 | 2 | 4 | 1 | 3 | 0 | 3 | 1 | 2 | 1 | 2 |
| Total | 3,948 | | 4,257 | | 4,505 | | 4,001 | | 3,931 | |

Table 3 (continued)

| Clim. week no. | Morrisville | | New York | | Norwich | | Ogdensburg | | Oswego | |
|----------------|-------------|------|----------|------|---------|------|------------|------|--------|------|
| | Mean | S.D. | Mean | S.D. | Mean | S.D. | Mean | S.D. | Mean | S.D. |
| 1 | 1 | 3 | 12 | 12 | 2 | 4 | 1 | 3 | 2 | 4 |
| 2 | 2 | 4 | 17 | 17 | 3 | 6 | 1 | 3 | 5 | 10 |
| 3 | 6 | 12 | 25 | 29 | 9 | 15 | 3 | 8 | 8 | 14 |
| 4 | 11 | 16 | 44 | 32 | 15 | 20 | 10 | 18 | 15 | 21 |
| 5 | 15 | 18 | 48 | 29 | 19 | 21 | 13 | 19 | 16 | 17 |
| 6 | 21 | 23 | 61 | 29 | 25 | 25 | 23 | 24 | 23 | 24 |
| 7 | 30 | 31 | 73 | 38 | 36 | 33 | 33 | 26 | 33 | 30 |
| 8 | 45 | 33 | 97 | 34 | 53 | 36 | 55 | 32 | 50 | 29 |
| 9 | 62 | 37 | 110 | 26 | 69 | 36 | 67 | 33 | 65 | 34 |
| 10 | 75 | 38 | 137 | 35 | 84 | 36 | 92 | 36 | 81 | 34 |
| 11 | 82 | 29 | 146 | 24 | 91 | 30 | 100 | 27 | 89 | 26 |
| 12 | 105 | 33 | 163 | 26 | 113 | 32 | 118 | 30 | 107 | 27 |
| 13 | 113 | 36 | 173 | 33 | 120 | 35 | 137 | 29 | 124 | 31 |
| 14 | 138 | 36 | 201 | 34 | 144 | 31 | 155 | 31 | 143 | 33 |
| 15 | 147 | 26 | 206 | 26 | 156 | 26 | 164 | 26 | 155 | 24 |
| 16 | 161 | 33 | 216 | 33 | 164 | 36 | 180 | 35 | 170 | 35 |
| 17 | 172 | 26 | 235 | 27 | 179 | 28 | 196 | 20 | 185 | 28 |
| 18 | 182 | 29 | 242 | 23 | 190 | 26 | 206 | 30 | 196 | 35 |
| 19 | 185 | 32 | 251 | 21 | 191 | 31 | 211 | 28 | 202 | 42 |
| 20 | 188 | 21 | 251 | 20 | 194 | 23 | 211 | 22 | 206 | 40 |
| 21 | 195 | 26 | 259 | 22 | 204 | 26 | 217 | 21 | 210 | 41 |
| 22 | 199 | 22 | 261 | 22 | 206 | 22 | 217 | 20 | 215 | 36 |
| 23 | 184 | 32 | 250 | 25 | 190 | 32 | 207 | 26 | 210 | 26 |
| 24 | 181 | 27 | 248 | 24 | 190 | 26 | 213 | 30 | 210 | 26 |
| 25 | 173 | 31 | 236 | 24 | 182 | 34 | 197 | 39 | 200 | 26 |
| 26 | 162 | 29 | 230 | 28 | 170 | 31 | 191 | 28 | 191 | 29 |
| 27 | 167 | 32 | 234 | 28 | 174 | 33 | 178 | 34 | 192 | 33 |
| 28 | 142 | 35 | 213 | 27 | 150 | 35 | 166 | 42 | 172 | 33 |
| 29 | 131 | 33 | 195 | 28 | 134 | 34 | 145 | 42 | 155 | 33 |
| 30 | 104 | 37 | 178 | 30 | 113 | 38 | 122 | 39 | 136 | 36 |
| 31 | 84 | 32 | 159 | 30 | 91 | 34 | 97 | 32 | 114 | 30 |
| 32 | 81 | 33 | 150 | 34 | 86 | 33 | 99 | 34 | 109 | 31 |
| 33 | 68 | 33 | 136 | 30 | 72 | 33 | 82 | 31 | 94 | 31 |
| 34 | 52 | 30 | 113 | 35 | 55 | 33 | 63 | 31 | 75 | 31 |
| 35 | 33 | 28 | 92 | 34 | 38 | 28 | 39 | 26 | 54 | 31 |
| 36 | 30 | 26 | 80 | 33 | 34 | 27 | 35 | 24 | 45 | 28 |
| 37 | 16 | 16 | 60 | 27 | 19 | 18 | 19 | 18 | 29 | 20 |
| 38 | 23 | 26 | 56 | 33 | 25 | 26 | 18 | 17 | 32 | 29 |
| 39 | 7 | 13 | 31 | 22 | 9 | 15 | 8 | 16 | 13 | 17 |
| 40 | 4 | 9 | 23 | 19 | 5 | 12 | 2 | 5 | 8 | 11 |
| 41 | 3 | 7 | 19 | 19 | 3 | 8 | 4 | 8 | 6 | 10 |
| 42 | 0 | 1 | 8 | 11 | 1 | 2 | 0 | 1 | 1 | 3 |
| 43 | 1 | 4 | 8 | 14 | 2 | 5 | 2 | 8 | 3 | 8 |
| 44 | 1 | 2 | 7 | 10 | 1 | 3 | 0 | 1 | 1 | 4 |
| 45 | 2 | 4 | 11 | 16 | 2 | 5 | 1 | 3 | 3 | 7 |
| 46 | 1 | 6 | 8 | 13 | 1 | 1 | 1 | 3 | 2 | 7 |
| 47 | 1 | 3 | 8 | 11 | 1 | 1 | 0 | 1 | 1 | 4 |
| 48 | 1 | 3 | 7 | 10 | 1 | 2 | 0 | 1 | 1 | 5 |
| 49 | 0 | 0 | 3 | 4 | 0 | 1 | 0 | 0 | 0 | 1 |
| 50 | 0 | 2 | 5 | 7 | 0 | 1 | 0 | 1 | 1 | 2 |
| 51 | 1 | 2 | 9 | 14 | 2 | 4 | 0 | 1 | 1 | 4 |
| 52 | 1 | 2 | 13 | 18 | 1 | 4 | 1 | 2 | 3 | 6 |
| Total | 3,789 | | 6,018 | | 4,019 | | 4,290 | | 4,362 | |

Table 3 (continued)

| Clim. week no. | Port Jervis | | Poughkeepsie | | Rochester | | Roxbury | | Salisbury | |
|----------------|-------------|------|--------------|------|-----------|------|---------|------|-----------|------|
| | Mean | S.D. | Mean | S.D. | Mean | S.D. | Mean | S.D. | Mean | S.D. |
| 1 | 3 | 6 | 5 | 7 | 3 | 5 | 3 | 6 | 0 | 1 |
| 2 | 8 | 11 | 7 | 10 | 7 | 13 | 4 | 8 | 1 | 3 |
| 3 | 16 | 24 | 15 | 24 | 12 | 19 | 11 | 19 | 4 | 9 |
| 4 | 25 | 29 | 31 | 29 | 19 | 23 | 17 | 23 | 10 | 17 |
| 5 | 31 | 27 | 38 | 30 | 23 | 23 | 19 | 21 | 9 | 16 |
| 6 | 42 | 28 | 47 | 27 | 30 | 28 | 19 | 18 | 15 | 20 |
| 7 | 52 | 38 | 59 | 40 | 44 | 36 | 35 | 35 | 24 | 28 |
| 8 | 79 | 39 | 89 | 42 | 63 | 36 | 56 | 38 | 42 | 32 |
| 9 | 101 | 40 | 103 | 33 | 80 | 41 | 67 | 37 | 57 | 34 |
| 10 | 121 | 39 | 127 | 40 | 99 | 41 | 90 | 39 | 75 | 37 |
| 11 | 127 | 31 | 132 | 28 | 108 | 27 | 94 | 32 | 79 | 29 |
| 12 | 148 | 31 | 153 | 29 | 127 | 31 | 114 | 30 | 99 | 29 |
| 13 | 152 | 36 | 163 | 32 | 142 | 35 | 120 | 38 | 110 | 33 |
| 14 | 174 | 33 | 186 | 29 | 164 | 36 | 144 | 34 | 136 | 35 |
| 15 | 185 | 26 | 194 | 24 | 175 | 26 | 155 | 27 | 144 | 29 |
| 16 | 195 | 33 | 206 | 31 | 189 | 36 | 165 | 33 | 153 | 35 |
| 17 | 211 | 28 | 222 | 27 | 204 | 26 | 178 | 30 | 168 | 26 |
| 18 | 217 | 27 | 233 | 23 | 214 | 28 | 185 | 26 | 176 | 27 |
| 19 | 224 | 26 | 237 | 24 | 218 | 30 | 186 | 33 | 182 | 31 |
| 20 | 225 | 22 | 239 | 19 | 221 | 22 | 194 | 26 | 186 | 20 |
| 21 | 233 | 21 | 243 | 22 | 227 | 24 | 204 | 22 | 190 | 24 |
| 22 | 235 | 22 | 249 | 18 | 228 | 23 | 202 | 23 | 193 | 23 |
| 23 | 220 | 30 | 235 | 26 | 218 | 29 | 189 | 28 | 178 | 32 |
| 24 | 220 | 28 | 233 | 24 | 216 | 27 | 188 | 28 | 179 | 28 |
| 25 | 206 | 27 | 223 | 22 | 204 | 30 | 179 | 31 | 170 | 31 |
| 26 | 194 | 32 | 209 | 29 | 197 | 33 | 169 | 29 | 160 | 30 |
| 27 | 199 | 34 | 212 | 31 | 197 | 34 | 171 | 32 | 161 | 32 |
| 28 | 176 | 31 | 191 | 30 | 175 | 33 | 146 | 33 | 135 | 36 |
| 29 | 163 | 34 | 173 | 28 | 160 | 35 | 135 | 31 | 120 | 34 |
| 30 | 139 | 36 | 150 | 33 | 140 | 40 | 115 | 38 | 102 | 39 |
| 31 | 117 | 35 | 127 | 26 | 116 | 34 | 92 | 33 | 81 | 31 |
| 32 | 110 | 37 | 123 | 31 | 112 | 35 | 88 | 32 | 76 | 30 |
| 33 | 95 | 35 | 108 | 35 | 97 | 34 | 72 | 32 | 60 | 32 |
| 34 | 81 | 34 | 91 | 33 | 75 | 34 | 55 | 30 | 46 | 27 |
| 35 | 58 | 32 | 67 | 33 | 55 | 32 | 40 | 27 | 29 | 25 |
| 36 | 48 | 34 | 59 | 33 | 46 | 30 | 36 | 30 | 24 | 22 |
| 37 | 31 | 23 | 36 | 25 | 28 | 21 | 20 | 18 | 12 | 13 |
| 38 | 30 | 26 | 36 | 31 | 34 | 33 | 24 | 24 | 15 | 18 |
| 39 | 13 | 15 | 17 | 21 | 13 | 17 | 10 | 15 | 6 | 11 |
| 40 | 7 | 12 | 7 | 11 | 10 | 13 | 6 | 10 | 2 | 6 |
| 41 | 6 | 10 | 7 | 11 | 6 | 10 | 3 | 6 | 1 | 2 |
| 42 | 1 | 2 | 2 | 3 | 2 | 4 | 1 | 2 | 0 | 0 |
| 43 | 3 | 7 | 4 | 9 | 4 | 9 | 3 | 7 | 1 | 3 |
| 44 | 1 | 3 | 3 | 6 | 2 | 5 | 2 | 4 | 0 | 2 |
| 45 | 3 | 7 | 4 | 9 | 4 | 8 | 3 | 8 | 1 | 4 |
| 46 | 3 | 7 | 2 | 7 | 3 | 8 | 2 | 8 | 1 | 5 |
| 47 | 2 | 5 | 1 | 3 | 2 | 4 | 1 | 3 | 0 | 1 |
| 48 | 3 | 6 | 2 | 4 | 2 | 5 | 2 | 6 | 0 | 0 |
| 49 | 1 | 2 | 1 | 2 | 0 | 2 | 0 | 2 | 0 | 0 |
| 50 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 0 | 0 |
| 51 | 4 | 9 | 3 | 6 | 2 | 6 | 2 | 5 | 0 | 1 |
| 52 | 4 | 8 | 5 | 12 | 3 | 8 | 2 | 4 | 0 | 1 |
| Total | 4,943 | | 5,310 | | 4,722 | | 4,019 | | 3,613 | |

Table 3 (continued)

| Clim. week no. | Setauket | | South Wales Emery Park | | Spencer | | Spier Falls | | Stafford | |
|----------------|----------|------|------------------------|------|---------|------|-------------|------|----------|------|
| | Mean | S.D. | Mean | S.D. | Mean | S.D. | Mean | S.D. | Mean | S.D. |
| 1 | 7 | 8 | 3 | 6 | 3 | 6 | 1 | 3 | 5 | 8 |
| 2 | 11 | 13 | 3 | 6 | 3 | 6 | 2 | 4 | 6 | 10 |
| 3 | 17 | 23 | 13 | 21 | 3 | 4 | 1 | 3 | 5 | 7 |
| 4 | 31 | 26 | 17 | 21 | 13 | 20 | 13 | 22 | 17 | 24 |
| 5 | 38 | 25 | 24 | 26 | 20 | 17 | 18 | 12 | 26 | 24 |
| 6 | 47 | 24 | 25 | 21 | 19 | 18 | 25 | 19 | 25 | 20 |
| 7 | 60 | 34 | 41 | 36 | 37 | 28 | 41 | 26 | 48 | 35 |
| 8 | 81 | 30 | 60 | 38 | 70 | 42 | 75 | 44 | 75 | 45 |
| 9 | 93 | 26 | 72 | 29 | 77 | 35 | 83 | 32 | 82 | 42 |
| 10 | 122 | 32 | 82 | 41 | 87 | 34 | 102 | 37 | 98 | 37 |
| 11 | 129 | 22 | 87 | 35 | 100 | 27 | 116 | 30 | 111 | 30 |
| 12 | 144 | 24 | 108 | 35 | 115 | 35 | 134 | 33 | 127 | 40 |
| 13 | 155 | 29 | 124 | 38 | 118 | 37 | 139 | 33 | 132 | 35 |
| 14 | 176 | 26 | 152 | 36 | 149 | 15 | 173 | 15 | 163 | 19 |
| 15 | 187 | 22 | 159 | 28 | 158 | 29 | 177 | 22 | 176 | 28 |
| 16 | 196 | 30 | 173 | 37 | 167 | 41 | 187 | 41 | 190 | 42 |
| 17 | 213 | 25 | 187 | 28 | 188 | 25 | 210 | 26 | 203 | 29 |
| 18 | 222 | 23 | 198 | 29 | 195 | 19 | 216 | 21 | 214 | 26 |
| 19 | 229 | 20 | 200 | 31 | 183 | 26 | 204 | 28 | 203 | 26 |
| 20 | 231 | 21 | 203 | 20 | 201 | 21 | 221 | 20 | 216 | 22 |
| 21 | 240 | 21 | 209 | 25 | 202 | 26 | 225 | 25 | 221 | 25 |
| 22 | 242 | 19 | 214 | 24 | 207 | 22 | 229 | 20 | 226 | 22 |
| 23 | 229 | 21 | 196 | 26 | 185 | 28 | 206 | 25 | 206 | 25 |
| 24 | 232 | 20 | 202 | 29 | 190 | 26 | 209 | 25 | 206 | 28 |
| 25 | 222 | 23 | 190 | 35 | 175 | 30 | 197 | 32 | 191 | 34 |
| 26 | 214 | 25 | 175 | 37 | 176 | 28 | 198 | 22 | 201 | 31 |
| 27 | 217 | 26 | 182 | 35 | 184 | 32 | 203 | 33 | 202 | 37 |
| 28 | 198 | 24 | 158 | 37 | 145 | 32 | 164 | 33 | 169 | 29 |
| 29 | 182 | 25 | 138 | 36 | 125 | 30 | 140 | 31 | 143 | 34 |
| 30 | 164 | 26 | 123 | 36 | 107 | 45 | 127 | 42 | 131 | 46 |
| 31 | 151 | 29 | 100 | 36 | 105 | 39 | 117 | 30 | 125 | 37 |
| 32 | 141 | 28 | 96 | 37 | 90 | 40 | 106 | 28 | 114 | 36 |
| 33 | 124 | 27 | 79 | 35 | 80 | 29 | 93 | 29 | 100 | 29 |
| 34 | 108 | 30 | 68 | 37 | 59 | 27 | 75 | 28 | 80 | 32 |
| 35 | 89 | 31 | 47 | 30 | 38 | 23 | 48 | 24 | 52 | 23 |
| 36 | 78 | 30 | 43 | 30 | 26 | 26 | 38 | 34 | 37 | 32 |
| 37 | 56 | 27 | 20 | 20 | 17 | 13 | 17 | 13 | 22 | 11 |
| 38 | 53 | 28 | 24 | 25 | 23 | 21 | 25 | 18 | 37 | 34 |
| 39 | 31 | 23 | 9 | 12 | 8 | 11 | 9 | 14 | 12 | 15 |
| 40 | 20 | 17 | 7 | 10 | 2 | 5 | 3 | 4 | 9 | 10 |
| 41 | 16 | 17 | 5 | 9 | 5 | 7 | 4 | 9 | 9 | 11 |
| 42 | 7 | 9 | 1 | 1 | 1 | 2 | 0 | 1 | 1 | 2 |
| 43 | 6 | 9 | 3 | 7 | 3 | 7 | 3 | 8 | 6 | 12 |
| 44 | 7 | 10 | 2 | 4 | 1 | 2 | 1 | 3 | 2 | 4 |
| 45 | 9 | 13 | 3 | 7 | 2 | 8 | 2 | 6 | 2 | 7 |
| 46 | 6 | 11 | 1 | 3 | 1 | 2 | 1 | 1 | 2 | 5 |
| 47 | 5 | 8 | 1 | 3 | 1 | 2 | 1 | 1 | 1 | 3 |
| 48 | 5 | 8 | 2 | 6 | 3 | 8 | 1 | 2 | 3 | 8 |
| 49 | 2 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 50 | 4 | 5 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 1 |
| 51 | 6 | 10 | 2 | 5 | 3 | 9 | 0 | 0 | 1 | 3 |
| 52 | 8 | 12 | 3 | 6 | 2 | 4 | 1 | 2 | 4 | 7 |
| Total | 5,461 | | 4,235 | | 4,072 | | 4,581 | | 4,637 | |

Table 3 (continued)

| Clim. week no. | Stillwater Reservoir | | Syracuse | | Utica | | Walden | | Wanakena | |
|----------------|----------------------|------|----------|------|-------|------|--------|------|----------|------|
| | Mean | S.D. | Mean | S.D. | Mean | S.D. | Mean | S.D. | Mean | S.D. |
| 1 | 0 | 1 | 3 | 5 | 1 | 2 | 3 | 5 | 1 | 3 |
| 2 | 0 | 1 | 7 | 12 | 2 | 4 | 7 | 10 | 2 | 4 |
| 3 | 1 | 2 | 12 | 18 | 1 | 2 | 14 | 25 | 3 | 5 |
| 4 | 3 | 6 | 20 | 23 | 9 | 13 | 23 | 24 | 7 | 12 |
| 5 | 7 | 7 | 23 | 22 | 19 | 17 | 28 | 23 | 8 | 13 |
| 6 | 7 | 9 | 34 | 31 | 20 | 20 | 37 | 29 | 13 | 19 |
| 7 | 14 | 17 | 44 | 36 | 37 | 31 | 49 | 35 | 21 | 24 |
| 8 | 42 | 36 | 66 | 37 | 71 | 43 | 72 | 35 | 37 | 32 |
| 9 | 46 | 33 | 83 | 38 | 73 | 39 | 87 | 32 | 51 | 34 |
| 10 | 57 | 33 | 102 | 39 | 88 | 39 | 110 | 40 | 73 | 37 |
| 11 | 78 | 31 | 108 | 28 | 101 | 28 | 116 | 27 | 78 | 30 |
| 12 | 93 | 41 | 128 | 30 | 122 | 38 | 131 | 28 | 98 | 32 |
| 13 | 101 | 35 | 143 | 36 | 132 | 35 | 143 | 36 | 112 | 33 |
| 14 | 130 | 18 | 171 | 39 | 161 | 20 | 167 | 33 | 131 | 31 |
| 15 | 136 | 25 | 176 | 28 | 169 | 29 | 176 | 29 | 139 | 27 |
| 16 | 141 | 41 | 188 | 36 | 173 | 39 | 187 | 38 | 152 | 38 |
| 17 | 159 | 22 | 207 | 37 | 192 | 23 | 207 | 31 | 163 | 27 |
| 18 | 167 | 21 | 211 | 29 | 203 | 21 | 213 | 23 | 168 | 28 |
| 19 | 160 | 32 | 218 | 28 | 190 | 27 | 223 | 24 | 174 | 29 |
| 20 | 173 | 20 | 221 | 23 | 210 | 22 | 222 | 23 | 175 | 22 |
| 21 | 180 | 25 | 226 | 23 | 209 | 24 | 228 | 25 | 182 | 24 |
| 22 | 182 | 20 | 227 | 24 | 218 | 19 | 230 | 23 | 185 | 22 |
| 23 | 167 | 26 | 217 | 29 | 198 | 27 | 216 | 32 | 170 | 27 |
| 24 | 165 | 27 | 216 | 27 | 195 | 21 | 217 | 24 | 172 | 29 |
| 25 | 155 | 32 | 205 | 31 | 188 | 31 | 202 | 28 | 161 | 32 |
| 26 | 158 | 23 | 196 | 32 | 188 | 25 | 190 | 29 | 154 | 31 |
| 27 | 165 | 35 | 199 | 32 | 195 | 36 | 193 | 30 | 155 | 35 |
| 28 | 129 | 33 | 174 | 35 | 161 | 32 | 166 | 29 | 131 | 37 |
| 29 | 99 | 35 | 155 | 35 | 133 | 36 | 156 | 30 | 116 | 34 |
| 30 | 89 | 44 | 137 | 38 | 122 | 46 | 132 | 29 | 97 | 38 |
| 31 | 84 | 36 | 116 | 34 | 114 | 36 | 108 | 34 | 75 | 36 |
| 32 | 68 | 31 | 110 | 36 | 95 | 31 | 102 | 34 | 74 | 31 |
| 33 | 58 | 29 | 95 | 33 | 88 | 29 | 84 | 34 | 57 | 34 |
| 34 | 46 | 31 | 72 | 35 | 72 | 32 | 76 | 29 | 44 | 29 |
| 35 | 27 | 20 | 53 | 32 | 44 | 22 | 54 | 28 | 29 | 25 |
| 36 | 22 | 22 | 47 | 30 | 35 | 28 | 47 | 28 | 22 | 21 |
| 37 | 5 | 7 | 30 | 21 | 18 | 11 | 29 | 22 | 11 | 13 |
| 38 | 15 | 14 | 34 | 32 | 30 | 25 | 33 | 30 | 17 | 20 |
| 39 | 5 | 9 | 13 | 17 | 11 | 15 | 13 | 17 | 6 | 11 |
| 40 | 2 | 2 | 8 | 12 | 5 | 6 | 8 | 12 | 3 | 7 |
| 41 | 3 | 7 | 7 | 11 | 7 | 10 | 6 | 9 | 2 | 5 |
| 42 | 0 | 0 | 2 | 3 | 0 | 1 | 2 | 4 | 0 | 0 |
| 43 | 1 | 4 | 4 | 9 | 3 | 8 | 3 | 6 | 1 | 3 |
| 44 | 0 | 0 | 2 | 6 | 0 | 1 | 2 | 4 | 0 | 1 |
| 45 | 0 | 0 | 4 | 9 | 0 | 0 | 4 | 7 | 1 | 3 |
| 46 | 0 | 1 | 3 | 8 | 0 | 1 | 2 | 8 | 1 | 3 |
| 47 | 0 | 0 | 2 | 5 | 1 | 2 | 2 | 4 | 0 | 1 |
| 48 | 0 | 0 | 2 | 5 | 1 | 2 | 1 | 3 | 0 | 2 |
| 49 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 2 | 0 | 0 |
| 50 | 0 | 0 | 2 | 7 | 0 | 1 | 1 | 2 | 0 | 1 |
| 51 | 0 | 0 | 2 | 6 | 1 | 3 | 3 | 6 | 0 | 1 |
| 52 | 0 | 1 | 4 | 8 | 2 | 4 | 4 | 7 | 1 | 2 |
| Total | 3,340 | | 4,729 | | 4,308 | | 4,730 | | 3,473 | |

Table 3 (concluded)

| Clim. week no. | Watertown | | Whitehall | | Clim. week no. | Watertown | | Whitehall | |
|----------------|-----------|------|-----------|------|----------------|-----------|------|-----------|------|
| | Mean | S.D. | Mean | S.D. | | Mean | S.D. | Mean | S.D. |
| 1 | 1 | 4 | 1 | 3 | 27 | 191 | 32 | 206 | 31 |
| 2 | 4 | 9 | 3 | 6 | 28 | 167 | 35 | 183 | 35 |
| 3 | 7 | 14 | 8 | 15 | 29 | 150 | 37 | 153 | 33 |
| 4 | 15 | 22 | 21 | 28 | 30 | 131 | 43 | 137 | 41 |
| 5 | 19 | 22 | 27 | 30 | 31 | 105 | 34 | 120 | 34 |
| 6 | 26 | 26 | 35 | 26 | 32 | 104 | 32 | 110 | 26 |
| 7 | 38 | 32 | 50 | 33 | 33 | 86 | 34 | 94 | 32 |
| 8 | 57 | 34 | 82 | 37 | 34 | 66 | 34 | 73 | 33 |
| 9 | 71 | 36 | 82 | 27 | 35 | 47 | 31 | 54 | 31 |
| 10 | 94 | 38 | 112 | 38 | 36 | 40 | 28 | 45 | 27 |
| 11 | 99 | 30 | 124 | 32 | 37 | 24 | 19 | 24 | 19 |
| 12 | 120 | 32 | 142 | 32 | 38 | 30 | 29 | 21 | 19 |
| 13 | 136 | 34 | 157 | 35 | 39 | 12 | 17 | 9 | 15 |
| 14 | 157 | 34 | 177 | 31 | 40 | 5 | 9 | 2 | 4 |
| 15 | 168 | 27 | 182 | 23 | 41 | 5 | 8 | 4 | 8 |
| 16 | 181 | 36 | 199 | 41 | 42 | 1 | 2 | 0 | 1 |
| 17 | 195 | 27 | 223 | 24 | 43 | 2 | 7 | 2 | 5 |
| 18 | 205 | 30 | 230 | 20 | 44 | 1 | 4 | 1 | 3 |
| 19 | 212 | 29 | 220 | 23 | 45 | 2 | 6 | 1 | 5 |
| 20 | 214 | 22 | 232 | 22 | 46 | 2 | 6 | 0 | 0 |
| 21 | 220 | 22 | 234 | 21 | 47 | 1 | 2 | 0 | 1 |
| 22 | 222 | 21 | 237 | 18 | 48 | 1 | 4 | 0 | 1 |
| 23 | 212 | 29 | 217 | 26 | 49 | 0 | 1 | 0 | 0 |
| 24 | 210 | 28 | 225 | 30 | 50 | 1 | 2 | 0 | 0 |
| 25 | 199 | 30 | 212 | 30 | 51 | 1 | 2 | 0 | 1 |
| 26 | 191 | 30 | 206 | 29 | 52 | 2 | 5 | 1 | 3 |
| Total | | | | | | 4,450 | | 4,877 | |

Table 4. Growing degree days, base 50°

| Clim. week no. | Addison | | Albany | | Alexandria Bay | | Alfred | | Alleghany State Park | | | | | | |
|----------------|---------|------|--------|------|----------------|------|--------|------|----------------------|------|-------|-------|-------|-------|-------|
| | Mean | S.D. | Mean | S.D. | Mean | S.D. | Mean | S.D. | Mean | S.D. | | | | | |
| 1 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | | | | | |
| 2 | 1 | 2 | 1 | 3 | 0 | 0 | 0 | 1 | 0 | 0 | | | | | |
| 3 | 0 | 0 | 2 | 6 | 0 | 0 | 1 | 4 | 0 | 0 | | | | | |
| 4 | 2 | 6 | 5 | 10 | 0 | 1 | 3 | 7 | 3 | 8 | | | | | |
| 5 | 5 | 10 | 5 | 11 | 1 | 3 | 4 | 8 | 6 | 11 | | | | | |
| 6 | 4 | 7 | 8 | 15 | 1 | 2 | 7 | 12 | 5 | 8 | | | | | |
| 7 | 11 | 18 | 14 | 20 | 7 | 10 | 10 | 14 | 11 | 14 | | | | | |
| 8 | 36 | 32 | 27 | 24 | 15 | 19 | 19 | 22 | 25 | 22 | | | | | |
| 9 | 34 | 28 | 34 | 26 | 23 | 20 | 25 | 26 | 31 | 30 | | | | | |
| 10 | 44 | 27 | 53 | 33 | 34 | 27 | 33 | 26 | 38 | 27 | | | | | |
| 11 | 52 | 31 | 56 | 24 | 39 | 22 | 35 | 22 | 45 | 23 | | | | | |
| 12 | 61 | 37 | 73 | 25 | 58 | 31 | 48 | 28 | 54 | 34 | | | | | |
| 13 | 66 | 28 | 88 | 32 | 66 | 30 | 55 | 29 | 51 | 28 | | | | | |
| 14 | 93 | 17 | 114 | 33 | 91 | 14 | 75 | 32 | 78 | 16 | | | | | |
| 15 | 102 | 27 | 118 | 26 | 99 | 20 | 83 | 30 | 90 | 23 | | | | | |
| 16 | 110 | 41 | 129 | 34 | 115 | 40 | 92 | 33 | 93 | 37 | | | | | |
| 17 | 128 | 27 | 146 | 28 | 128 | 25 | 106 | 27 | 111 | 30 | | | | | |
| 18 | 137 | 20 | 154 | 26 | 139 | 24 | 113 | 28 | 122 | 21 | | | | | |
| 19 | 124 | 28 | 161 | 25 | 132 | 27 | 116 | 27 | 104 | 33 | | | | | |
| 20 | 139 | 20 | 164 | 21 | 146 | 17 | 120 | 22 | 120 | 22 | | | | | |
| 21 | 141 | 25 | 168 | 20 | 150 | 20 | 126 | 24 | 126 | 24 | | | | | |
| 22 | 148 | 20 | 170 | 21 | 156 | 19 | 126 | 21 | 129 | 18 | | | | | |
| 23 | 128 | 26 | 157 | 26 | 141 | 25 | 116 | 28 | 113 | 23 | | | | | |
| 24 | 130 | 26 | 156 | 24 | 140 | 23 | 116 | 28 | 114 | 26 | | | | | |
| 25 | 119 | 29 | 146 | 27 | 123 | 29 | 104 | 31 | 100 | 29 | | | | | |
| 26 | 119 | 27 | 136 | 27 | 131 | 24 | 95 | 32 | 107 | 28 | | | | | |
| 27 | 131 | 30 | 136 | 30 | 130 | 32 | 101 | 33 | 112 | 29 | | | | | |
| 28 | 91 | 31 | 112 | 33 | 99 | 30 | 81 | 33 | 78 | 27 | | | | | |
| 29 | 71 | 30 | 93 | 30 | 71 | 31 | 67 | 31 | 57 | 26 | | | | | |
| 30 | 57 | 40 | 76 | 32 | 62 | 41 | 54 | 33 | 46 | 37 | | | | | |
| 31 | 51 | 35 | 56 | 28 | 54 | 25 | 36 | 29 | 51 | 30 | | | | | |
| 32 | 46 | 31 | 51 | 26 | 45 | 23 | 37 | 26 | 41 | 30 | | | | | |
| 33 | 38 | 27 | 38 | 27 | 38 | 23 | 25 | 23 | 34 | 22 | | | | | |
| 34 | 22 | 15 | 25 | 21 | 25 | 17 | 15 | 14 | 18 | 19 | | | | | |
| 35 | 9 | 11 | 15 | 18 | 10 | 12 | 8 | 12 | 10 | 12 | | | | | |
| 36 | 9 | 16 | 12 | 15 | 7 | 8 | 8 | 11 | 7 | 14 | | | | | |
| 37 | 2 | 3 | 5 | 6 | 2 | 3 | 2 | 4 | 2 | 3 | | | | | |
| 38 | 6 | 9 | 6 | 10 | 6 | 7 | 5 | 8 | 6 | 8 | | | | | |
| 39 | 2 | 3 | 2 | 6 | 2 | 4 | 1 | 4 | 1 | 2 | | | | | |
| 40 | 0 | 1 | 1 | 4 | 0 | 0 | 0 | 1 | 0 | 0 | | | | | |
| 41 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 1 | 1 | 1 | | | | | |
| 42 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | |
| 43 | 0 | 2 | 0 | 2 | 1 | 2 | 0 | 1 | 0 | 2 | | | | | |
| 44 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | |
| 45 | 0 | 1 | 0 | 2 | 0 | 1 | 0 | 1 | 0 | 2 | | | | | |
| 46 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | | | | | |
| 47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | |
| 48 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 4 | | | | | |
| 49 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | |
| 50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | |
| 51 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | | | | | |
| 52 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | |
| Total | | | | | | | | | | | 2,470 | 2,913 | 2,487 | 2,068 | 2,142 |

Table 4 (continued)

| Clim. week no. | Angelica | | Arcade | | Auburn | | Binghamton | | Bridgehampton | |
|----------------|----------|------|--------|------|--------|------|------------|------|---------------|------|
| | Mean | S.D. | Mean | S.D. | Mean | S.D. | Mean | S.D. | Mean | S.D. |
| 1..... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 2..... | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 |
| 3..... | 1 | 4 | 0 | 0 | 1 | 2 | 2 | 6 | 0 | 2 |
| 4..... | 2 | 6 | 1 | 3 | 2 | 5 | 6 | 10 | 2 | 3 |
| 5..... | 5 | 9 | 5 | 10 | 3 | 6 | 6 | 10 | 3 | 8 |
| 6..... | 6 | 12 | 4 | 7 | 5 | 11 | 8 | 15 | 3 | 5 |
| 7..... | 11 | 15 | 7 | 8 | 8 | 12 | 15 | 20 | 8 | 12 |
| 8..... | 18 | 23 | 28 | 31 | 13 | 15 | 26 | 25 | 12 | 13 |
| 9..... | 26 | 26 | 29 | 35 | 21 | 21 | 36 | 29 | 17 | 14 |
| 10..... | 34 | 27 | 27 | 19 | 32 | 26 | 46 | 31 | 28 | 18 |
| 11..... | 37 | 23 | 46 | 23 | 35 | 20 | 51 | 26 | 38 | 17 |
| 12..... | 51 | 29 | 44 | 36 | 53 | 25 | 67 | 29 | 50 | 20 |
| 13..... | 60 | 33 | 53 | 32 | 63 | 28 | 76 | 32 | 66 | 22 |
| 14..... | 79 | 35 | 74 | 17 | 89 | 31 | 99 | 33 | 87 | 23 |
| 15..... | 88 | 31 | 93 | 24 | 100 | 26 | 108 | 28 | 95 | 20 |
| 16..... | 98 | 35 | 88 | 41 | 113 | 33 | 117 | 35 | 106 | 28 |
| 17..... | 109 | 29 | 103 | 30 | 131 | 26 | 133 | 27 | 126 | 23 |
| 18..... | 120 | 29 | 121 | 15 | 143 | 29 | 142 | 27 | 135 | 20 |
| 19..... | 121 | 28 | 99 | 32 | 147 | 28 | 145 | 27 | 143 | 20 |
| 20..... | 125 | 23 | 121 | 14 | 151 | 22 | 150 | 24 | 144 | 20 |
| 21..... | 134 | 27 | 124 | 18 | 158 | 23 | 156 | 24 | 153 | 18 |
| 22..... | 133 | 25 | 126 | 23 | 161 | 21 | 159 | 21 | 160 | 17 |
| 23..... | 122 | 30 | 118 | 24 | 150 | 28 | 145 | 31 | 149 | 25 |
| 24..... | 121 | 29 | 114 | 28 | 150 | 26 | 144 | 28 | 150 | 19 |
| 25..... | 110 | 31 | 96 | 42 | 140 | 30 | 133 | 28 | 143 | 22 |
| 26..... | 103 | 34 | 106 | 31 | 131 | 30 | 124 | 33 | 134 | 26 |
| 27..... | 108 | 33 | 115 | 34 | 134 | 34 | 128 | 33 | 135 | 25 |
| 28..... | 86 | 31 | 73 | 30 | 112 | 35 | 103 | 36 | 114 | 26 |
| 29..... | 71 | 31 | 54 | 32 | 96 | 33 | 88 | 32 | 100 | 24 |
| 30..... | 56 | 35 | 51 | 39 | 79 | 38 | 70 | 35 | 84 | 23 |
| 31..... | 38 | 30 | 40 | 41 | 56 | 30 | 50 | 33 | 65 | 24 |
| 32..... | 38 | 27 | 37 | 26 | 55 | 28 | 49 | 31 | 61 | 26 |
| 33..... | 25 | 22 | 30 | 25 | 43 | 26 | 36 | 26 | 44 | 22 |
| 34..... | 14 | 12 | 16 | 14 | 28 | 21 | 23 | 20 | 34 | 18 |
| 35..... | 8 | 10 | 7 | 9 | 15 | 10 | 14 | 18 | 22 | 18 |
| 36..... | 9 | 11 | 7 | 14 | 11 | 13 | 12 | 15 | 18 | 16 |
| 37..... | 3 | 6 | 1 | 1 | 5 | 7 | 6 | 7 | 9 | 9 |
| 38..... | 6 | 11 | 7 | 10 | 8 | 12 | 9 | 12 | 7 | 7 |
| 39..... | 2 | 5 | 0 | 0 | 2 | 6 | 2 | 6 | 4 | 7 |
| 40..... | 1 | 2 | 0 | 0 | 1 | 3 | 1 | 5 | 2 | 4 |
| 41..... | 0 | 1 | 0 | 0 | 1 | 2 | 1 | 3 | 1 | 1 |
| 42..... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 43..... | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 2 | 0 | 1 |
| 44..... | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 45..... | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 1 |
| 46..... | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 1 |
| 47..... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 48..... | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 |
| 49..... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 50..... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 51..... | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 0 |
| 52..... | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total..... | 2,179 | | 2,065 | | 2,646 | | 2,688 | | 2,652 | |

Table 4 (continued)

| Clim. week no. | Buffalo | | Canton | | Carmel | | Chasm Falls | | Cooperstown | |
|----------------|---------|------|--------|------|--------|------|-------------|------|-------------|------|
| | Mean | S.D. | Mean | S.D. | Mean | S.D. | Mean | S.D. | Mean | S.D. |
| 1..... | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2..... | 1 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 3..... | 1 | 3 | 0 | 1 | 2 | 5 | 0 | 0 | 1 | 3 |
| 4..... | 3 | 8 | 2 | 6 | 3 | 6 | 1 | 2 | 3 | 7 |
| 5..... | 4 | 6 | 2 | 4 | 5 | 11 | 0 | 2 | 3 | 9 |
| 6..... | 6 | 12 | 4 | 10 | 7 | 10 | 0 | 1 | 4 | 7 |
| 7..... | 9 | 13 | 7 | 12 | 12 | 17 | 5 | 8 | 9 | 16 |
| 8..... | 16 | 21 | 13 | 16 | 22 | 20 | 16 | 18 | 19 | 22 |
| 9..... | 24 | 26 | 21 | 22 | 28 | 20 | 18 | 20 | 25 | 22 |
| 10..... | 29 | 24 | 32 | 28 | 42 | 29 | 35 | 32 | 34 | 26 |
| 11..... | 35 | 22 | 34 | 24 | 48 | 22 | 40 | 29 | 37 | 24 |
| 12..... | 46 | 27 | 48 | 26 | 65 | 26 | 49 | 31 | 53 | 25 |
| 13..... | 61 | 33 | 62 | 30 | 72 | 29 | 56 | 33 | 63 | 27 |
| 14..... | 83 | 33 | 84 | 32 | 93 | 30 | 85 | 21 | 84 | 32 |
| 15..... | 97 | 24 | 89 | 26 | 103 | 24 | 82 | 23 | 91 | 27 |
| 16..... | 109 | 32 | 104 | 35 | 112 | 33 | 105 | 41 | 98 | 33 |
| 17..... | 123 | 28 | 116 | 27 | 129 | 27 | 113 | 22 | 113 | 28 |
| 18..... | 132 | 29 | 124 | 31 | 139 | 23 | 121 | 27 | 122 | 27 |
| 19..... | 140 | 26 | 130 | 29 | 144 | 27 | 110 | 30 | 123 | 30 |
| 20..... | 145 | 22 | 133 | 22 | 147 | 20 | 126 | 21 | 129 | 20 |
| 21..... | 148 | 20 | 139 | 22 | 156 | 23 | 126 | 21 | 135 | 24 |
| 22..... | 148 | 22 | 138 | 24 | 158 | 22 | 133 | 22 | 139 | 22 |
| 23..... | 146 | 24 | 129 | 26 | 145 | 29 | 112 | 27 | 121 | 27 |
| 24..... | 142 | 25 | 127 | 30 | 144 | 23 | 113 | 28 | 124 | 27 |
| 25..... | 131 | 28 | 115 | 31 | 133 | 29 | 98 | 34 | 118 | 32 |
| 26..... | 124 | 31 | 108 | 31 | 124 | 27 | 108 | 28 | 104 | 31 |
| 27..... | 125 | 30 | 107 | 33 | 129 | 30 | 112 | 35 | 108 | 34 |
| 28..... | 104 | 31 | 82 | 35 | 104 | 29 | 76 | 32 | 83 | 36 |
| 29..... | 86 | 31 | 65 | 32 | 88 | 29 | 54 | 29 | 67 | 29 |
| 30..... | 72 | 36 | 54 | 33 | 71 | 28 | 48 | 40 | 54 | 30 |
| 31..... | 53 | 31 | 36 | 27 | 51 | 30 | 45 | 29 | 36 | 25 |
| 32..... | 48 | 27 | 35 | 22 | 49 | 27 | 37 | 23 | 37 | 25 |
| 33..... | 38 | 26 | 25 | 23 | 35 | 25 | 31 | 24 | 26 | 24 |
| 34..... | 24 | 21 | 15 | 14 | 26 | 22 | 23 | 21 | 18 | 16 |
| 35..... | 14 | 18 | 8 | 15 | 15 | 19 | 8 | 11 | 10 | 16 |
| 36..... | 13 | 18 | 7 | 10 | 13 | 15 | 6 | 9 | 7 | 11 |
| 37..... | 5 | 6 | 2 | 5 | 5 | 6 | 1 | 2 | 3 | 6 |
| 38..... | 8 | 12 | 4 | 7 | 5 | 7 | 6 | 9 | 3 | 6 |
| 39..... | 1 | 5 | 1 | 4 | 2 | 5 | 2 | 4 | 2 | 5 |
| 40..... | 1 | 2 | 0 | 2 | 1 | 3 | 0 | 1 | 1 | 2 |
| 41..... | 1 | 2 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 |
| 42..... | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 43..... | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 |
| 44..... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 45..... | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 |
| 46..... | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| 47..... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 48..... | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 49..... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 50..... | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 51..... | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| 52..... | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total..... | 2,496 | | 2,202 | | 2,627 | | 2,100 | | 2,207 | |

Table 4 (continued)

| Clim. week no. | Cortland | | Dannemora | | Dansville | | Delhi | | Elmira | |
|----------------|----------|------|-----------|------|-----------|------|-------|------|--------|------|
| | Mean | S.D. | Mean | S.D. | Mean | S.D. | Mean | S.D. | Mean | S.D. |
| 1..... | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 2 |
| 2..... | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 2 |
| 3..... | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 3 | 3 | 7 |
| 4..... | 3 | 7 | 2 | 5 | 6 | 14 | 3 | 7 | 5 | 10 |
| 5..... | 5 | 8 | 2 | 5 | 10 | 12 | 3 | 7 | 7 | 12 |
| 6..... | 2 | 3 | 4 | 11 | 8 | 8 | 6 | 13 | 9 | 16 |
| 7..... | 7 | 16 | 6 | 12 | 14 | 15 | 9 | 14 | 16 | 21 |
| 8..... | 25 | 26 | 13 | 18 | 30 | 27 | 18 | 22 | 26 | 25 |
| 9..... | 29 | 30 | 20 | 21 | 34 | 31 | 25 | 22 | 37 | 30 |
| 10..... | 34 | 26 | 33 | 30 | 52 | 34 | 34 | 26 | 48 | 32 |
| 11..... | 40 | 29 | 33 | 25 | 56 | 25 | 38 | 24 | 52 | 27 |
| 12..... | 54 | 40 | 46 | 27 | 74 | 36 | 52 | 26 | 70 | 31 |
| 13..... | 52 | 32 | 65 | 32 | 72 | 34 | 57 | 30 | 77 | 33 |
| 14..... | 80 | 16 | 82 | 33 | 104 | 17 | 80 | 30 | 100 | 33 |
| 15..... | 93 | 27 | 87 | 26 | 116 | 30 | 90 | 26 | 110 | 26 |
| 16..... | 103 | 41 | 100 | 39 | 125 | 43 | 96 | 35 | 120 | 36 |
| 17..... | 121 | 27 | 113 | 28 | 143 | 33 | 111 | 26 | 135 | 28 |
| 18..... | 133 | 24 | 122 | 35 | 156 | 26 | 118 | 26 | 145 | 30 |
| 19..... | 114 | 32 | 127 | 28 | 138 | 36 | 121 | 29 | 146 | 29 |
| 20..... | 133 | 20 | 128 | 21 | 161 | 25 | 126 | 23 | 151 | 24 |
| 21..... | 137 | 27 | 135 | 21 | 160 | 28 | 135 | 23 | 159 | 27 |
| 22..... | 142 | 24 | 136 | 23 | 164 | 23 | 136 | 19 | 159 | 21 |
| 23..... | 119 | 31 | 123 | 28 | 146 | 31 | 121 | 29 | 146 | 33 |
| 24..... | 120 | 26 | 124 | 30 | 142 | 31 | 122 | 24 | 143 | 27 |
| 25..... | 113 | 33 | 113 | 33 | 136 | 32 | 110 | 30 | 134 | 29 |
| 26..... | 109 | 26 | 108 | 32 | 140 | 27 | 104 | 29 | 122 | 33 |
| 27..... | 121 | 36 | 105 | 37 | 141 | 37 | 106 | 33 | 128 | 33 |
| 28..... | 82 | 37 | 83 | 36 | 110 | 36 | 83 | 34 | 104 | 34 |
| 29..... | 59 | 30 | 67 | 32 | 79 | 32 | 72 | 28 | 85 | 33 |
| 30..... | 49 | 39 | 54 | 34 | 64 | 40 | 56 | 33 | 68 | 33 |
| 31..... | 47 | 32 | 33 | 27 | 71 | 34 | 38 | 27 | 47 | 32 |
| 32..... | 38 | 28 | 35 | 22 | 56 | 32 | 37 | 25 | 46 | 29 |
| 33..... | 34 | 28 | 27 | 27 | 50 | 24 | 26 | 23 | 32 | 26 |
| 34..... | 21 | 19 | 17 | 20 | 36 | 29 | 17 | 15 | 23 | 20 |
| 35..... | 10 | 11 | 8 | 13 | 19 | 15 | 9 | 14 | 12 | 15 |
| 36..... | 8 | 13 | 5 | 9 | 14 | 19 | 9 | 13 | 11 | 14 |
| 37..... | 1 | 2 | 2 | 4 | 4 | 5 | 3 | 5 | 5 | 8 |
| 38..... | 4 | 5 | 3 | 6 | 9 | 12 | 6 | 9 | 7 | 12 |
| 39..... | 1 | 3 | 1 | 4 | 2 | 3 | 2 | 4 | 2 | 6 |
| 40..... | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 3 | 1 | 2 |
| 41..... | 1 | 2 | 0 | 1 | 2 | 3 | 0 | 1 | 1 | 2 |
| 42..... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 43..... | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 1 |
| 44..... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 45..... | 0 | 1 | 0 | 0 | 1 | 3 | 0 | 1 | 0 | 1 |
| 46..... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| 47..... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 48..... | 1 | 2 | 0 | 0 | 1 | 5 | 0 | 1 | 0 | 2 |
| 49..... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 50..... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 51..... | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 |
| 52..... | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| Total..... | 2,245 | | 2,162 | | 2,846 | | 2,181 | | 2,693 | |

Table 4 (continued)

| Clim. week no. | Fredonia | | Freehold | | Geneva | | Gowanda | | Hemlock | |
|----------------|----------|------|----------|------|--------|------|---------|------|---------|------|
| | Mean | S.D. | Mean | S.D. | Mean | S.D. | Mean | S.D. | Mean | S.D. |
| 1..... | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 |
| 2..... | 2 | 6 | 1 | 2 | 1 | 3 | 1 | 3 | 0 | 1 |
| 3..... | 4 | 10 | 0 | 1 | 3 | 7 | 1 | 2 | 1 | 3 |
| 4..... | 7 | 13 | 4 | 8 | 5 | 10 | 5 | 8 | 3 | 6 |
| 5..... | 8 | 12 | 6 | 7 | 6 | 11 | 10 | 14 | 4 | 7 |
| 6..... | 11 | 16 | 5 | 8 | 8 | 15 | 8 | 9 | 6 | 12 |
| 7..... | 16 | 22 | 15 | 14 | 14 | 19 | 16 | 18 | 10 | 13 |
| 8..... | 24 | 24 | 39 | 32 | 25 | 24 | 37 | 32 | 18 | 19 |
| 9..... | 34 | 30 | 35 | 25 | 33 | 30 | 37 | 36 | 27 | 27 |
| 10..... | 42 | 30 | 50 | 32 | 44 | 32 | 44 | 30 | 38 | 28 |
| 11..... | 47 | 24 | 61 | 27 | 46 | 25 | 54 | 28 | 42 | 22 |
| 12..... | 62 | 28 | 75 | 33 | 66 | 29 | 65 | 37 | 60 | 27 |
| 13..... | 73 | 31 | 78 | 30 | 75 | 33 | 65 | 31 | 70 | 32 |
| 14..... | 99 | 35 | 116 | 18 | 101 | 33 | 92 | 18 | 93 | 33 |
| 15..... | 111 | 28 | 115 | 24 | 109 | 27 | 108 | 24 | 102 | 26 |
| 16..... | 121 | 34 | 125 | 45 | 119 | 36 | 119 | 46 | 114 | 35 |
| 17..... | 135 | 30 | 155 | 31 | 137 | 27 | 130 | 34 | 130 | 27 |
| 18..... | 145 | 29 | 157 | 19 | 146 | 27 | 145 | 23 | 139 | 28 |
| 19..... | 149 | 26 | 143 | 26 | 149 | 29 | 129 | 28 | 144 | 27 |
| 20..... | 150 | 22 | 164 | 22 | 152 | 21 | 144 | 20 | 145 | 24 |
| 21..... | 157 | 24 | 167 | 26 | 158 | 24 | 147 | 22 | 152 | 23 |
| 22..... | 160 | 24 | 170 | 19 | 161 | 21 | 153 | 22 | 153 | 22 |
| 23..... | 151 | 25 | 145 | 27 | 149 | 30 | 134 | 25 | 142 | 28 |
| 24..... | 150 | 27 | 150 | 27 | 146 | 28 | 133 | 23 | 140 | 28 |
| 25..... | 139 | 26 | 139 | 32 | 138 | 31 | 124 | 31 | 128 | 29 |
| 26..... | 133 | 31 | 138 | 25 | 128 | 31 | 131 | 28 | 120 | 33 |
| 27..... | 135 | 32 | 139 | 33 | 133 | 34 | 136 | 31 | 123 | 33 |
| 28..... | 116 | 29 | 101 | 31 | 109 | 34 | 100 | 33 | 99 | 33 |
| 29..... | 102 | 32 | 82 | 31 | 92 | 35 | 82 | 29 | 85 | 32 |
| 30..... | 86 | 35 | 66 | 38 | 76 | 36 | 69 | 41 | 68 | 34 |
| 31..... | 62 | 32 | 57 | 34 | 52 | 29 | 65 | 35 | 47 | 30 |
| 32..... | 59 | 30 | 49 | 29 | 52 | 28 | 55 | 31 | 48 | 27 |
| 33..... | 47 | 26 | 37 | 27 | 39 | 25 | 48 | 25 | 35 | 24 |
| 34..... | 31 | 23 | 23 | 15 | 27 | 21 | 36 | 26 | 23 | 19 |
| 35..... | 19 | 20 | 13 | 14 | 16 | 18 | 18 | 16 | 13 | 16 |
| 36..... | 16 | 18 | 10 | 14 | 12 | 14 | 12 | 18 | 10 | 12 |
| 37..... | 7 | 9 | 4 | 5 | 5 | 8 | 4 | 5 | 4 | 7 |
| 38..... | 12 | 15 | 4 | 6 | 8 | 13 | 12 | 13 | 9 | 12 |
| 39..... | 3 | 7 | 1 | 2 | 2 | 7 | 2 | 4 | 2 | 5 |
| 40..... | 1 | 4 | 0 | 2 | 1 | 2 | 1 | 1 | 1 | 3 |
| 41..... | 1 | 3 | 1 | 2 | 1 | 2 | 2 | 3 | 1 | 2 |
| 42..... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 43..... | 1 | 2 | 0 | 2 | 0 | 1 | 1 | 3 | 0 | 1 |
| 44..... | 0 | 0 | 1 | 2 | 0 | 1 | 0 | 0 | 0 | 0 |
| 45..... | 1 | 2 | 1 | 3 | 0 | 1 | 1 | 2 | 0 | 1 |
| 46..... | 0 | 2 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 1 |
| 47..... | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 48..... | 0 | 1 | 0 | 1 | 0 | 2 | 1 | 4 | 0 | 1 |
| 49..... | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 50..... | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 51..... | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 |
| 52..... | 1 | 2 | 0 | 1 | 0 | 1 | 1 | 2 | 0 | 0 |
| Total..... | 2,830 | | 2,842 | | 2,744 | | 2,679 | | 2,549 | |

Table 4 (continued)

| Clim. week no. | Indian Lake | | Ithaca | | Jamestown | | Lake Placid | | Lewiston | |
|----------------|-------------|------|--------|------|-----------|------|-------------|------|----------|------|
| | Mean | S.D. | Mean | S.D. | Mean | S.D. | Mean | S.D. | Mean | S.D. |
| 1 | 0 | 0 | 0 | 1 | 1 | 2 | 0 | 0 | 0 | 0 |
| 2 | 0 | 0 | 1 | 2 | 2 | 5 | 0 | 0 | 0 | 0 |
| 3 | 0 | 0 | 2 | 5 | 4 | 9 | 0 | 0 | 0 | 0 |
| 4 | 0 | 0 | 5 | 9 | 7 | 12 | 0 | 1 | 4 | 6 |
| 5 | 0 | 0 | 6 | 10 | 7 | 11 | 0 | 0 | 5 | 6 |
| 6 | 0 | 0 | 8 | 14 | 12 | 17 | 0 | 0 | 3 | 7 |
| 7 | 0 | 2 | 13 | 19 | 18 | 25 | 3 | 6 | 11 | 13 |
| 8 | 7 | 10 | 21 | 22 | 28 | 28 | 7 | 8 | 21 | 21 |
| 9 | 8 | 11 | 32 | 29 | 39 | 31 | 10 | 13 | 28 | 27 |
| 10 | 17 | 16 | 39 | 30 | 47 | 30 | 22 | 25 | 42 | 29 |
| 11 | 20 | 22 | 41 | 25 | 51 | 25 | 24 | 23 | 51 | 24 |
| 12 | 30 | 26 | 59 | 28 | 67 | 31 | 39 | 28 | 65 | 35 |
| 13 | 32 | 24 | 67 | 32 | 75 | 31 | 39 | 28 | 73 | 29 |
| 14 | 54 | 12 | 88 | 35 | 97 | 35 | 63 | 25 | 97 | 17 |
| 15 | 58 | 22 | 96 | 27 | 107 | 30 | 62 | 26 | 115 | 26 |
| 16 | 71 | 39 | 107 | 36 | 115 | 37 | 76 | 40 | 130 | 37 |
| 17 | 86 | 27 | 122 | 28 | 130 | 32 | 92 | 25 | 185 | 178 |
| 18 | 93 | 23 | 133 | 28 | 139 | 29 | 100 | 25 | 244 | 352 |
| 19 | 79 | 31 | 137 | 31 | 140 | 30 | 87 | 33 | 143 | 23 |
| 20 | 95 | 21 | 140 | 24 | 143 | 23 | 103 | 21 | 158 | 22 |
| 21 | 101 | 27 | 148 | 27 | 151 | 25 | 106 | 24 | 162 | 22 |
| 22 | 106 | 19 | 149 | 23 | 153 | 25 | 111 | 22 | 168 | 22 |
| 23 | 82 | 27 | 136 | 33 | 140 | 26 | 88 | 29 | 150 | 23 |
| 24 | 87 | 27 | 135 | 28 | 141 | 27 | 90 | 29 | 150 | 22 |
| 25 | 77 | 34 | 126 | 32 | 130 | 31 | 80 | 32 | 137 | 28 |
| 26 | 77 | 23 | 114 | 31 | 122 | 32 | 85 | 24 | 148 | 31 |
| 27 | 85 | 34 | 119 | 34 | 125 | 33 | 87 | 34 | 140 | 31 |
| 28 | 52 | 29 | 96 | 34 | 105 | 30 | 58 | 33 | 112 | 29 |
| 29 | 30 | 23 | 80 | 33 | 91 | 33 | 34 | 25 | 88 | 29 |
| 30 | 31 | 28 | 66 | 35 | 74 | 38 | 28 | 28 | 75 | 41 |
| 31 | 23 | 21 | 44 | 30 | 53 | 32 | 26 | 23 | 68 | 30 |
| 32 | 18 | 15 | 44 | 27 | 51 | 32 | 22 | 18 | 58 | 31 |
| 33 | 14 | 17 | 34 | 27 | 40 | 26 | 21 | 19 | 53 | 27 |
| 34 | 7 | 8 | 22 | 19 | 27 | 20 | 11 | 11 | 32 | 23 |
| 35 | 2 | 5 | 13 | 17 | 15 | 18 | 3 | 6 | 17 | 16 |
| 36 | 2 | 3 | 11 | 14 | 13 | 15 | 3 | 5 | 10 | 11 |
| 37 | 0 | 0 | 5 | 8 | 5 | 8 | 0 | 1 | 4 | 4 |
| 38 | 0 | 0 | 9 | 14 | 10 | 14 | 1 | 3 | 11 | 14 |
| 39 | 0 | 0 | 2 | 6 | 2 | 5 | 0 | 1 | 1 | 2 |
| 40 | 0 | 0 | 1 | 3 | 1 | 2 | 0 | 0 | 0 | 1 |
| 41 | 0 | 0 | 0 | 2 | 1 | 2 | 0 | 0 | 1 | 1 |
| 42 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 43 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 2 |
| 44 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 45 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 2 |
| 46 | 0 | 0 | 0 | 3 | 0 | 2 | 0 | 0 | 0 | 0 |
| 47 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| 48 | 0 | 0 | 0 | 2 | 1 | 3 | 0 | 0 | 0 | 0 |
| 49 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 50 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 |
| 51 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 |
| 52 | 0 | 0 | 0 | 1 | 1 | 3 | 0 | 0 | 0 | 0 |
| Total | 1,444 | | 2,471 | | 2,681 | | 1,581 | | 2,961 | |

Table 4 (continued)

| Clim. week no. | Liberty | | Little Falls | | Lockport | | Lowville | | Massena | |
|----------------|---------|------|--------------|------|----------|------|----------|------|---------|------|
| | Mean | S.D. | Mean | S.D. | Mean | S.D. | Mean | S.D. | Mean | S.D. |
| 1 | 0 | 0 | 0 | 0 | 4 | 11 | 0 | 0 | 0 | 0 |
| 2 | 0 | 0 | 0 | 1 | 6 | 11 | 0 | 0 | 0 | 0 |
| 3 | 0 | 0 | 0 | 2 | 13 | 22 | 0 | 0 | 0 | 0 |
| 4 | 0 | 0 | 3 | 9 | 20 | 30 | 2 | 5 | 0 | 0 |
| 5 | 2 | 4 | 3 | 8 | 23 | 29 | 2 | 5 | 1 | 2 |
| 6 | 2 | 4 | 5 | 11 | 30 | 28 | 4 | 12 | 1 | 2 |
| 7 | 6 | 10 | 9 | 15 | 46 | 49 | 7 | 12 | 5 | 8 |
| 8 | 25 | 24 | 17 | 21 | 58 | 41 | 13 | 18 | 10 | 13 |
| 9 | 26 | 21 | 27 | 23 | 78 | 40 | 20 | 21 | 16 | 15 |
| 10 | 23 | 20 | 37 | 30 | 97 | 44 | 34 | 29 | 33 | 29 |
| 11 | 36 | 26 | 39 | 23 | 102 | 29 | 33 | 23 | 32 | 20 |
| 12 | 47 | 35 | 54 | 26 | 116 | 31 | 47 | 26 | 50 | 29 |
| 13 | 48 | 30 | 65 | 30 | 137 | 39 | 61 | 29 | 58 | 32 |
| 14 | 75 | 17 | 87 | 30 | 156 | 37 | 80 | 29 | 84 | 23 |
| 15 | 78 | 25 | 94 | 25 | 170 | 27 | 88 | 27 | 85 | 22 |
| 16 | 88 | 39 | 103 | 35 | 183 | 36 | 101 | 36 | 107 | 41 |
| 17 | 106 | 24 | 119 | 28 | 199 | 29 | 113 | 27 | 120 | 21 |
| 18 | 119 | 21 | 127 | 26 | 203 | 25 | 122 | 29 | 126 | 28 |
| 19 | 102 | 26 | 134 | 29 | 214 | 28 | 126 | 30 | 118 | 30 |
| 20 | 121 | 20 | 137 | 22 | 211 | 25 | 127 | 22 | 137 | 21 |
| 21 | 128 | 23 | 144 | 23 | 221 | 23 | 134 | 24 | 137 | 21 |
| 22 | 134 | 19 | 145 | 22 | 222 | 24 | 136 | 23 | 138 | 25 |
| 23 | 109 | 27 | 131 | 31 | 208 | 29 | 123 | 30 | 121 | 25 |
| 24 | 111 | 21 | 130 | 27 | 210 | 27 | 123 | 28 | 120 | 28 |
| 25 | 109 | 32 | 123 | 30 | 196 | 34 | 113 | 31 | 101 | 34 |
| 26 | 100 | 22 | 114 | 28 | 187 | 40 | 105 | 30 | 111 | 31 |
| 27 | 113 | 33 | 114 | 31 | 191 | 35 | 104 | 34 | 108 | 36 |
| 28 | 77 | 33 | 91 | 33 | 169 | 31 | 81 | 37 | 74 | 31 |
| 29 | 57 | 27 | 75 | 32 | 156 | 33 | 66 | 32 | 48 | 31 |
| 30 | 46 | 29 | 58 | 31 | 133 | 39 | 52 | 34 | 41 | 36 |
| 31 | 40 | 29 | 39 | 25 | 108 | 40 | 34 | 29 | 34 | 24 |
| 32 | 31 | 26 | 38 | 22 | 101 | 40 | 34 | 21 | 28 | 18 |
| 33 | 28 | 23 | 29 | 24 | 87 | 39 | 24 | 22 | 24 | 19 |
| 34 | 17 | 19 | 19 | 17 | 64 | 33 | 15 | 17 | 14 | 15 |
| 35 | 10 | 12 | 8 | 14 | 46 | 30 | 8 | 14 | 4 | 9 |
| 36 | 7 | 11 | 6 | 10 | 42 | 30 | 5 | 9 | 4 | 5 |
| 37 | 0 | 1 | 3 | 5 | 26 | 22 | 2 | 5 | 1 | 3 |
| 38 | 2 | 4 | 4 | 6 | 28 | 29 | 3 | 5 | 3 | 5 |
| 39 | 1 | 3 | 1 | 4 | 9 | 13 | 1 | 5 | 1 | 2 |
| 40 | 0 | 0 | 0 | 2 | 7 | 11 | 0 | 1 | 0 | 0 |
| 41 | 0 | 1 | 0 | 1 | 5 | 11 | 0 | 0 | 0 | 0 |
| 42 | 0 | 0 | 0 | 0 | 2 | 4 | 0 | 0 | 0 | 0 |
| 43 | 0 | 0 | 0 | 0 | 3 | 7 | 0 | 0 | 1 | 2 |
| 44 | 0 | 0 | 0 | 0 | 2 | 4 | 0 | 0 | 0 | 0 |
| 45 | 0 | 0 | 0 | 1 | 4 | 8 | 0 | 1 | 0 | 1 |
| 46 | 0 | 0 | 0 | 1 | 2 | 4 | 0 | 0 | 0 | 0 |
| 47 | 0 | 0 | 0 | 0 | 1 | 3 | 0 | 0 | 0 | 0 |
| 48 | 0 | 0 | 0 | 0 | 1 | 4 | 0 | 0 | 0 | 0 |
| 49 | 0 | 0 | 0 | 0 | 1 | 4 | 0 | 0 | 0 | 0 |
| 50 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 |
| 51 | 0 | 2 | 0 | 0 | 2 | 5 | 0 | 0 | 0 | 0 |
| 52 | 0 | 0 | 0 | 0 | 4 | 9 | 0 | 0 | 0 | 0 |
| Total | 2,024 | | 2,332 | | 2,509 | | 2,143 | | 2,095 | |

Table 4 (continued)

| Clim. week no. | Morrisville | | New York | | Norwich | | Ogdensburg | | Oswego | |
|----------------|-------------|------|----------|------|---------|------|------------|------|--------|------|
| | Mean | S.D. | Mean | S.D. | Mean | S.D. | Mean | S.D. | Mean | S.D. |
| 1 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 1 |
| 2 | 0 | 0 | 3 | 5 | 0 | 0 | 0 | 0 | 1 | 2 |
| 3 | 0 | 1 | 5 | 12 | 1 | 2 | 0 | 0 | 1 | 2 |
| 4 | 2 | 4 | 11 | 15 | 3 | 6 | 2 | 5 | 3 | 8 |
| 5 | 2 | 6 | 11 | 15 | 4 | 8 | 1 | 5 | 3 | 5 |
| 6 | 4 | 11 | 15 | 17 | 5 | 12 | 4 | 9 | 6 | 12 |
| 7 | 8 | 13 | 23 | 24 | 9 | 15 | 5 | 11 | 8 | 12 |
| 8 | 13 | 16 | 38 | 25 | 18 | 20 | 15 | 16 | 13 | 15 |
| 9 | 22 | 22 | 45 | 24 | 25 | 23 | 20 | 20 | 21 | 22 |
| 10 | 28 | 25 | 68 | 34 | 32 | 25 | 33 | 26 | 28 | 25 |
| 11 | 28 | 21 | 77 | 23 | 35 | 24 | 36 | 23 | 31 | 21 |
| 12 | 43 | 26 | 93 | 26 | 50 | 26 | 52 | 27 | 43 | 22 |
| 13 | 51 | 28 | 103 | 32 | 55 | 29 | 68 | 27 | 58 | 26 |
| 14 | 71 | 31 | 131 | 34 | 76 | 29 | 85 | 30 | 74 | 31 |
| 15 | 78 | 25 | 136 | 26 | 86 | 25 | 94 | 26 | 85 | 24 |
| 16 | 92 | 32 | 146 | 33 | 95 | 36 | 110 | 35 | 100 | 35 |
| 17 | 102 | 26 | 165 | 27 | 109 | 28 | 126 | 20 | 115 | 28 |
| 18 | 112 | 29 | 172 | 23 | 120 | 26 | 136 | 30 | 127 | 32 |
| 19 | 115 | 32 | 181 | 21 | 121 | 31 | 141 | 28 | 134 | 34 |
| 20 | 118 | 21 | 181 | 20 | 124 | 23 | 141 | 22 | 137 | 31 |
| 21 | 125 | 26 | 189 | 22 | 134 | 26 | 147 | 21 | 142 | 32 |
| 22 | 129 | 22 | 191 | 22 | 136 | 22 | 147 | 20 | 146 | 28 |
| 23 | 114 | 32 | 180 | 25 | 120 | 32 | 137 | 26 | 140 | 26 |
| 24 | 111 | 27 | 178 | 24 | 120 | 26 | 143 | 30 | 140 | 26 |
| 25 | 103 | 31 | 166 | 24 | 112 | 34 | 128 | 35 | 130 | 26 |
| 26 | 92 | 29 | 160 | 28 | 100 | 30 | 121 | 28 | 121 | 29 |
| 27 | 97 | 32 | 164 | 28 | 104 | 33 | 109 | 30 | 122 | 33 |
| 28 | 73 | 34 | 143 | 27 | 81 | 34 | 88 | 35 | 102 | 33 |
| 29 | 64 | 29 | 125 | 28 | 67 | 31 | 78 | 35 | 85 | 32 |
| 30 | 44 | 29 | 109 | 30 | 52 | 32 | 58 | 31 | 68 | 34 |
| 31 | 28 | 23 | 89 | 30 | 33 | 26 | 37 | 24 | 48 | 28 |
| 32 | 29 | 22 | 81 | 33 | 32 | 23 | 41 | 24 | 47 | 24 |
| 33 | 22 | 21 | 68 | 28 | 24 | 23 | 27 | 22 | 35 | 25 |
| 34 | 13 | 13 | 49 | 28 | 15 | 15 | 18 | 16 | 24 | 19 |
| 35 | 7 | 12 | 33 | 26 | 8 | 13 | 7 | 11 | 13 | 17 |
| 36 | 6 | 9 | 27 | 21 | 8 | 11 | 7 | 10 | 11 | 14 |
| 37 | 2 | 4 | 15 | 15 | 2 | 3 | 2 | 5 | 5 | 7 |
| 38 | 4 | 7 | 15 | 16 | 5 | 8 | 2 | 5 | 7 | 9 |
| 39 | 1 | 4 | 5 | 9 | 2 | 6 | 2 | 6 | 2 | 6 |
| 40 | 0 | 2 | 3 | 5 | 1 | 5 | 0 | 0 | 0 | 2 |
| 41 | 0 | 1 | 2 | 5 | 0 | 1 | 0 | 1 | 0 | 2 |
| 42 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 43 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 2 |
| 44 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 1 |
| 45 | 0 | 0 | 2 | 5 | 0 | 0 | 0 | 0 | 0 | 1 |
| 46 | 0 | 1 | 1 | 5 | 0 | 0 | 0 | 0 | 0 | 1 |
| 47 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 48 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 49 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 50 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 51 | 0 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 |
| 52 | 0 | 0 | 1 | 5 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 1,953 | | 3,603 | | 2,124 | | 2,368 | | 2,376 | |

Table 4 (continued)

| Clim. week no. | Port Jervis | | Poughkeepsie | | Rochester | | Roxbury | | Salisbury | |
|----------------|-------------|------|--------------|------|-----------|------|---------|------|-----------|------|
| | Mean | S.D. | Mean | S.D. | Mean | S.D. | Mean | S.D. | Mean | S.D. |
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 2 | 1 | 2 | 1 | 2 | 1 | 4 | 0 | 1 | 0 | 0 |
| 3 | 3 | 9 | 2 | 8 | 2 | 5 | 1 | 4 | 0 | 0 |
| 4 | 6 | 11 | 6 | 11 | 5 | 10 | 4 | 8 | 1 | 4 |
| 5 | 7 | 12 | 9 | 15 | 6 | 9 | 3 | 7 | 1 | 4 |
| 6 | 9 | 15 | 10 | 13 | 8 | 15 | 3 | 5 | 3 | 8 |
| 7 | 14 | 20 | 18 | 25 | 13 | 17 | 10 | 16 | 4 | 10 |
| 8 | 29 | 26 | 34 | 30 | 21 | 22 | 19 | 23 | 11 | 15 |
| 9 | 42 | 32 | 41 | 28 | 30 | 31 | 24 | 22 | 18 | 20 |
| 10 | 56 | 34 | 59 | 37 | 41 | 32 | 35 | 28 | 25 | 25 |
| 11 | 58 | 29 | 63 | 27 | 45 | 23 | 36 | 25 | 25 | 21 |
| 12 | 79 | 30 | 83 | 28 | 60 | 28 | 48 | 26 | 37 | 22 |
| 13 | 83 | 35 | 93 | 31 | 73 | 32 | 55 | 31 | 46 | 26 |
| 14 | 104 | 32 | 116 | 29 | 95 | 34 | 76 | 31 | 69 | 32 |
| 15 | 115 | 26 | 124 | 24 | 105 | 26 | 86 | 27 | 74 | 28 |
| 16 | 125 | 33 | 136 | 31 | 119 | 36 | 95 | 33 | 84 | 34 |
| 17 | 141 | 28 | 152 | 27 | 134 | 26 | 108 | 30 | 98 | 25 |
| 18 | 147 | 27 | 163 | 23 | 144 | 28 | 115 | 26 | 106 | 27 |
| 19 | 154 | 26 | 167 | 24 | 148 | 30 | 116 | 33 | 112 | 31 |
| 20 | 155 | 22 | 169 | 19 | 151 | 22 | 124 | 26 | 116 | 20 |
| 21 | 163 | 21 | 173 | 22 | 157 | 24 | 134 | 22 | 120 | 24 |
| 22 | 165 | 22 | 179 | 18 | 158 | 23 | 132 | 23 | 123 | 23 |
| 23 | 150 | 30 | 165 | 26 | 148 | 29 | 119 | 28 | 108 | 32 |
| 24 | 150 | 28 | 163 | 24 | 146 | 27 | 118 | 28 | 109 | 28 |
| 25 | 136 | 27 | 153 | 22 | 134 | 30 | 109 | 31 | 100 | 31 |
| 26 | 124 | 31 | 139 | 29 | 127 | 33 | 99 | 29 | 90 | 29 |
| 27 | 129 | 34 | 142 | 31 | 127 | 34 | 101 | 32 | 91 | 32 |
| 28 | 106 | 31 | 121 | 30 | 105 | 33 | 77 | 32 | 67 | 35 |
| 29 | 94 | 30 | 103 | 28 | 91 | 34 | 67 | 30 | 54 | 29 |
| 30 | 71 | 33 | 81 | 31 | 73 | 37 | 52 | 32 | 44 | 31 |
| 31 | 51 | 30 | 59 | 24 | 50 | 32 | 33 | 24 | 26 | 23 |
| 32 | 48 | 28 | 57 | 28 | 50 | 28 | 33 | 23 | 25 | 19 |
| 33 | 36 | 27 | 46 | 30 | 39 | 28 | 23 | 22 | 17 | 20 |
| 34 | 26 | 20 | 32 | 23 | 25 | 21 | 13 | 13 | 10 | 10 |
| 35 | 15 | 19 | 19 | 20 | 15 | 18 | 8 | 13 | 5 | 10 |
| 36 | 11 | 16 | 16 | 17 | 13 | 16 | 9 | 13 | 4 | 7 |
| 37 | 5 | 6 | 7 | 9 | 5 | 7 | 3 | 4 | 1 | 3 |
| 38 | 6 | 8 | 7 | 11 | 9 | 13 | 5 | 8 | 2 | 4 |
| 39 | 2 | 5 | 3 | 6 | 2 | 7 | 2 | 5 | 1 | 3 |
| 40 | 1 | 4 | 1 | 2 | 1 | 1 | 0 | 2 | 0 | 1 |
| 41 | 0 | 2 | 0 | 1 | 1 | 2 | 0 | 1 | 0 | 0 |
| 42 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 43 | 0 | 1 | 0 | 2 | 1 | 2 | 0 | 1 | 0 | 0 |
| 44 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 |
| 45 | 0 | 1 | 1 | 2 | 0 | 1 | 0 | 1 | 0 | 0 |
| 46 | 0 | 1 | 0 | 1 | 0 | 2 | 0 | 2 | 0 | 1 |
| 47 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| 48 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 2 | 0 | 0 |
| 49 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 50 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| 51 | 1 | 2 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 |
| 52 | 0 | 2 | 1 | 3 | 0 | 1 | 0 | 0 | 0 | 0 |
| Total | 2,818 | | 3,114 | | 2,678 | | 2,095 | | 1,827 | |

Table 4 (continued)

| Clim. week no. | Setauket | | South Wales Emery Park | | Spencer | | Spier Falls | | Stafford | |
|----------------|----------|------|------------------------|------|---------|------|-------------|------|----------|------|
| | Mean | S.D. | Mean | S.D. | Mean | S.D. | Mean | S.D. | Mean | S.D. |
| 1 | 0 | 1 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 1 |
| 2 | 1 | 3 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 1 |
| 3 | 2 | 6 | 2 | 5 | 0 | 0 | 0 | 0 | 0 | 1 |
| 4 | 5 | 10 | 4 | 7 | 2 | 6 | 2 | 6 | 4 | 8 |
| 5 | 7 | 12 | 6 | 10 | 4 | 7 | 1 | 2 | 6 | 11 |
| 6 | 9 | 11 | 5 | 7 | 2 | 4 | 3 | 5 | 4 | 7 |
| 7 | 15 | 19 | 13 | 17 | 8 | 12 | 7 | 10 | 14 | 15 |
| 8 | 26 | 20 | 20 | 23 | 26 | 26 | 27 | 26 | 28 | 28 |
| 9 | 31 | 21 | 27 | 20 | 26 | 25 | 26 | 24 | 30 | 31 |
| 10 | 54 | 31 | 33 | 28 | 33 | 23 | 41 | 29 | 41 | 29 |
| 11 | 59 | 21 | 33 | 23 | 40 | 24 | 50 | 27 | 48 | 25 |
| 12 | 74 | 23 | 46 | 26 | 51 | 31 | 67 | 32 | 62 | 36 |
| 13 | 85 | 29 | 60 | 29 | 53 | 31 | 71 | 30 | 65 | 32 |
| 14 | 106 | 26 | 84 | 32 | 79 | 15 | 103 | 14 | 93 | 19 |
| 15 | 117 | 22 | 90 | 28 | 88 | 29 | 107 | 22 | 106 | 28 |
| 16 | 126 | 30 | 103 | 37 | 97 | 41 | 117 | 41 | 120 | 42 |
| 17 | 143 | 25 | 117 | 28 | 118 | 25 | 140 | 26 | 133 | 29 |
| 18 | 152 | 23 | 128 | 29 | 125 | 19 | 146 | 21 | 144 | 26 |
| 19 | 159 | 20 | 130 | 31 | 113 | 26 | 134 | 28 | 133 | 26 |
| 20 | 161 | 21 | 133 | 20 | 131 | 21 | 151 | 20 | 146 | 22 |
| 21 | 170 | 21 | 139 | 25 | 132 | 26 | 155 | 25 | 151 | 25 |
| 22 | 172 | 19 | 144 | 24 | 137 | 22 | 159 | 20 | 156 | 22 |
| 23 | 159 | 21 | 126 | 26 | 115 | 28 | 136 | 25 | 136 | 25 |
| 24 | 162 | 20 | 132 | 29 | 120 | 26 | 139 | 25 | 136 | 28 |
| 25 | 152 | 23 | 120 | 35 | 105 | 30 | 127 | 32 | 121 | 34 |
| 26 | 144 | 25 | 105 | 37 | 106 | 28 | 128 | 22 | 131 | 31 |
| 27 | 147 | 26 | 113 | 35 | 114 | 32 | 133 | 33 | 132 | 37 |
| 28 | 128 | 24 | 89 | 36 | 76 | 31 | 94 | 33 | 99 | 29 |
| 29 | 112 | 25 | 70 | 32 | 57 | 26 | 71 | 29 | 74 | 32 |
| 30 | 94 | 26 | 58 | 31 | 45 | 38 | 60 | 38 | 65 | 42 |
| 31 | 81 | 29 | 40 | 29 | 43 | 33 | 50 | 27 | 59 | 34 |
| 32 | 71 | 27 | 40 | 28 | 36 | 29 | 42 | 24 | 52 | 29 |
| 33 | 56 | 25 | 28 | 24 | 28 | 22 | 35 | 25 | 42 | 24 |
| 34 | 43 | 23 | 22 | 21 | 15 | 12 | 21 | 17 | 27 | 20 |
| 35 | 28 | 23 | 12 | 17 | 7 | 10 | 10 | 12 | 12 | 13 |
| 36 | 23 | 19 | 11 | 14 | 5 | 10 | 8 | 16 | 10 | 16 |
| 37 | 12 | 13 | 3 | 8 | 1 | 2 | 2 | 3 | 2 | 2 |
| 38 | 12 | 12 | 5 | 8 | 3 | 5 | 2 | 3 | 10 | 12 |
| 39 | 5 | 8 | 1 | 2 | 1 | 3 | 1 | 3 | 2 | 4 |
| 40 | 2 | 5 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 41 | 1 | 4 | 1 | 2 | 0 | 0 | 0 | 1 | 1 | 1 |
| 42 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 43 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 2 |
| 44 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 45 | 1 | 2 | 0 | 1 | 1 | 2 | 0 | 1 | 0 | 1 |
| 46 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 48 | 0 | 0 | 0 | 2 | 0 | 2 | 0 | 0 | 0 | 1 |
| 49 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 51 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 52 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 3,108 | | 2,294 | | 2,143 | | 2,566 | | 2,596 | |

Table 4 (continued)

| Clim. week no. | Stillwater Reservoir | | Syracuse | | Utica | | Walden | | Wankena | |
|----------------|----------------------|------|----------|------|-------|------|--------|------|---------|------|
| | Mean | S.D. | Mean | S.D. | Mean | S.D. | Mean | S.D. | Mean | S.D. |
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 | 0 | 0 | 1 | 3 | 0 | 0 | 0 | 1 | 0 | 0 |
| 3 | 0 | 0 | 2 | 5 | 0 | 0 | 2 | 8 | 0 | 0 |
| 4 | 0 | 0 | 4 | 8 | 1 | 2 | 4 | 7 | 0 | 1 |
| 5 | 0 | 0 | 5 | 8 | 3 | 6 | 5 | 10 | 1 | 2 |
| 6 | 0 | 0 | 9 | 18 | 2 | 4 | 8 | 16 | 2 | 7 |
| 7 | 1 | 3 | 13 | 18 | 9 | 14 | 13 | 18 | 3 | 8 |
| 8 | 11 | 16 | 23 | 23 | 24 | 25 | 23 | 21 | 9 | 14 |
| 9 | 12 | 16 | 32 | 29 | 24 | 27 | 31 | 24 | 15 | 19 |
| 10 | 19 | 20 | 42 | 32 | 35 | 28 | 47 | 33 | 26 | 24 |
| 11 | 26 | 22 | 45 | 25 | 42 | 24 | 49 | 25 | 25 | 22 |
| 12 | 37 | 30 | 62 | 27 | 57 | 34 | 62 | 26 | 38 | 24 |
| 13 | 42 | 26 | 75 | 33 | 65 | 31 | 74 | 34 | 49 | 27 |
| 14 | 62 | 16 | 102 | 38 | 91 | 19 | 97 | 33 | 64 | 28 |
| 15 | 68 | 24 | 106 | 28 | 99 | 29 | 106 | 29 | 70 | 26 |
| 16 | 73 | 37 | 118 | 36 | 103 | 39 | 117 | 38 | 83 | 37 |
| 17 | 89 | 22 | 137 | 37 | 122 | 23 | 137 | 31 | 93 | 26 |
| 18 | 97 | 21 | 141 | 29 | 133 | 21 | 143 | 23 | 98 | 28 |
| 19 | 90 | 32 | 149 | 27 | 120 | 27 | 153 | 24 | 104 | 29 |
| 20 | 103 | 20 | 151 | 23 | 140 | 22 | 152 | 23 | 105 | 22 |
| 21 | 110 | 25 | 156 | 23 | 139 | 24 | 158 | 25 | 112 | 24 |
| 22 | 112 | 20 | 157 | 24 | 148 | 19 | 160 | 23 | 115 | 22 |
| 23 | 97 | 26 | 147 | 29 | 128 | 27 | 146 | 32 | 100 | 27 |
| 24 | 95 | 27 | 146 | 27 | 125 | 21 | 147 | 24 | 102 | 29 |
| 25 | 85 | 32 | 135 | 31 | 118 | 31 | 132 | 28 | 91 | 32 |
| 26 | 88 | 23 | 126 | 32 | 118 | 25 | 120 | 29 | 85 | 30 |
| 27 | 95 | 35 | 129 | 32 | 125 | 36 | 123 | 30 | 85 | 34 |
| 28 | 62 | 31 | 104 | 35 | 91 | 32 | 96 | 29 | 64 | 35 |
| 29 | 38 | 25 | 86 | 34 | 65 | 32 | 86 | 30 | 52 | 28 |
| 30 | 34 | 31 | 71 | 35 | 56 | 42 | 64 | 27 | 40 | 29 |
| 31 | 29 | 25 | 51 | 30 | 50 | 31 | 44 | 29 | 25 | 24 |
| 32 | 22 | 17 | 49 | 29 | 37 | 23 | 41 | 26 | 25 | 19 |
| 33 | 16 | 19 | 37 | 27 | 34 | 22 | 29 | 25 | 17 | 19 |
| 34 | 11 | 11 | 24 | 21 | 22 | 20 | 22 | 18 | 11 | 12 |
| 35 | 5 | 8 | 14 | 17 | 9 | 11 | 12 | 16 | 5 | 10 |
| 36 | 4 | 7 | 12 | 15 | 7 | 10 | 10 | 13 | 4 | 7 |
| 37 | 0 | 0 | 5 | 8 | 1 | 2 | 4 | 6 | 1 | 5 |
| 38 | 1 | 3 | 8 | 13 | 5 | 6 | 7 | 11 | 2 | 4 |
| 39 | 1 | 2 | 2 | 6 | 2 | 4 | 2 | 5 | 1 | 3 |
| 40 | 0 | 0 | 1 | 3 | 0 | 1 | 1 | 3 | 0 | 2 |
| 41 | 0 | 0 | 1 | 2 | 1 | 2 | 0 | 1 | 0 | 0 |
| 42 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 43 | 0 | 0 | 1 | 2 | 0 | 1 | 0 | 1 | 0 | 0 |
| 44 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 |
| 45 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 1 | 0 | 1 |
| 46 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 2 | 0 | 0 |
| 47 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 48 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 49 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 50 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 51 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 |
| 52 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 |
| Total | 1,635 | | 2,680 | | 2,351 | | 2,627 | | 1,722 | |

Table 4 (concluded)

| Clim. week no. | Watertown | | Whitehall | | Clim. week no. | Watertown | | Whitehall | |
|----------------------|-----------|------|-----------|------|----------------------|-----------|------|-----------|------|
| | Mean | S.D. | Mean | S.D. | | Mean | S.D. | Mean | S.D. |
| 1 | 0 | 0 | 0 | 0 | 27 | 121 | 32 | 136 | 31 |
| 2 | 0 | 2 | 0 | 1 | 28 | 98 | 35 | 113 | 35 |
| 3 | 1 | 2 | 0 | 1 | 29 | 82 | 34 | 83 | 31 |
| 4 | 3 | 8 | 4 | 8 | 30 | 67 | 37 | 70 | 37 |
| 5 | 3 | 7 | 6 | 14 | 31 | 43 | 28 | 54 | 30 |
| 6 | 6 | 13 | 7 | 10 | 32 | 46 | 23 | 47 | 21 |
| 7 | 10 | 15 | 12 | 17 | 33 | 33 | 25 | 36 | 26 |
| 8 | 18 | 20 | 29 | 25 | 34 | 21 | 20 | 23 | 20 |
| 9 | 25 | 25 | 25 | 22 | 35 | 13 | 18 | 13 | 19 |
| 10 | 37 | 30 | 48 | 34 | 36 | 10 | 14 | 8 | 12 |
| 11 | 38 | 25 | 57 | 30 | 37 | 4 | 7 | 3 | 6 |
| 12 | 55 | 28 | 73 | 31 | 38 | 7 | 10 | 2 | 4 |
| 13 | 69 | 31 | 88 | 33 | 39 | 2 | 6 | 1 | 3 |
| 14 | 88 | 32 | 107 | 31 | 40 | 1 | 2 | 0 | 0 |
| 15 | 98 | 26 | 112 | 23 | 41 | 0 | 1 | 0 | 0 |
| 16 | 111 | 36 | 129 | 41 | 42 | 0 | 0 | 0 | 0 |
| 17 | 125 | 27 | 153 | 24 | 43 | 0 | 1 | 0 | 0 |
| 18 | 135 | 30 | 160 | 20 | 44 | 0 | 0 | 0 | 0 |
| 19 | 142 | 29 | 150 | 23 | 45 | 0 | 1 | 0 | 1 |
| 20 | 144 | 22 | 162 | 22 | 46 | 0 | 1 | 0 | 0 |
| 21 | 150 | 22 | 164 | 21 | 47 | 0 | 0 | 0 | 0 |
| 22 | 152 | 21 | 167 | 18 | 48 | 0 | 2 | 0 | 0 |
| 23 | 142 | 29 | 147 | 26 | 49 | 0 | 0 | 0 | 0 |
| 24 | 140 | 28 | 155 | 30 | 50 | 0 | 0 | 0 | 0 |
| 25 | 129 | 30 | 142 | 30 | 51 | 0 | 0 | 0 | 0 |
| 26 | 121 | 30 | 136 | 29 | 52 | 0 | 0 | 0 | 0 |
| | | | | | Total | 2,490 | | 2,822 | |

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