

NOAA Technical Memorandum ERL GLERL-86

**GREAT LAKES STATES MONTHLY PRECIPITATION DATA • BEGINNING OF  
RECORD TO 1990**

Raymond A. Assel  
Cynthia E. Sellinger  
Don E. Meyer  
Raymond N. Kelly

Great Lakes Environmental Research Laboratory  
Ann Arbor, Michigan  
February 1995



UNITED STATES  
DEPARTMENT OF COMMERCE

Ronald H. Brown  
Secretary

NATIONAL OCEANIC AND  
ATMOSPHERIC ADMINISTRATION

D. James Baker  
Under Secretary for Oceans  
and Atmosphere/Administrator

Environmental Research  
Laboratories

James L. Rasmussen  
Director

## NOTICE

Mention of a commercial company or product does not constitute an endorsement by the NOAA Environmental Research Laboratories. Use of information from this publication concerning proprietary products or the tests of such products for publicity or advertising purposes is not authorized.

# TABLE OF CONTENTS

	Page
ABSTRACT .....	1.
1. INTRODUCTION .....	1.
2. METHODS .....	2.
2.1 Equipment and Procedures .....	2
2.2 Data .....	2.
2.3 Statistical Quality Control .....	2
2.4 Examples of Data Inhomogeneities .....	4
3. RESULTS .....	6.
3.1 Computer File Documentation .....	6
3.2 Precipitation Stations' Spatial and Temporal Distribution Trends .....	7
3.2.1 Period 1: 1817-1882 .....	7
3.2.2 Period 2: 1883-1897 .....	9
3.2.3 Period 3: 1898-1938 .....	9
3.2.4 Period 4: 1939-1961 .....	9
3.2.5 Period 5: 1962-1990 .....	10
4. DISCUSSION .....	12.
4.1 Caveats on Data Usage .....	12
4.2 Future Work .....	12.
5. ACKNOWLEDGMENTS .....	12
6. REFERENCES .....	12.
APPENDIX A: Listing of Stations Digitized by State .....	15

## FIGURES

## Page

Figure 1a.-- Flow chart for scanning data .....	3
Figure 1 b.-- Flow chart for processing scanned data .....	3
Figure 2. -- Station 203940, Howard City, Michigan .....	5
Figure 3. -- Station 20 1704, Coloma 3 NNW, Michigan .....	5
Figure 4. -- Station 4785 11, Tomah Ranger Station, Wisconsin .....	6
Figure 5. -- Stations with one or more months of data per year .....	8
Figure 6. -- Distribution of stations for period 1: 18 17- 1882 .....	8
Figure 7. -- Distribution of stations for period 2: 1883-1 897 .....	9
Figure 8. -- Distribution of stations for period 3 : 1898- 1938 .....	10
Figure 9. -- Distribution of stations for period 4: 1939- 196 1 .....	10
Figure 1 0.-- Distribution of stations for period 5: 1962- 1990 .....	11

## TABLES

Table 1.-- Example of monthly precipitation summary .....	7
---	---

# ERRATA

NOAA Tech. Mem. ERL GLERL-86

## GREAT LAKES STATES MONTHLY PRECIPITATION DATA - BEGINNING OF RECORD TO 1990

p. iii Subheading 3.2.5 Period 5: 1962-1990 beings on page 11

p. 1 The second sentence in the second paragraph should be deleted:

Discontinuities in the time series of each station's monthly precipitation data are identified using a non-parametric test.

p. 8 Figure 5, Number of Stations, the complete scale should read top to bottom:

2000 -

1500 -

1000 -

500 -

0 -

Raymond A. Assel, Cynthia E. Sellinger, Don E. Meyer, and Raymond N. Kelly

ABSTRACT. Monthly precipitation data for 2,015 stations from beginning of record to 1947 for the eight Great Lakes states were digitized using an electronic scanner and optical character recognition software. These data were combined with digital monthly station precipitation data from 1948 to 1990 that was obtained from the National Climate Data Center (NCDC) in Asheville, North Carolina. The total number of stations in the combined data set is 3,447. Station latitude, longitude, elevation, and station name and changes in these metadata was also digitized. A complete list of stations is given as an appendix to the report. Data reduction, verification, quality control, and analysis methods are summarized. The spatial and temporal distribution patterns of the number of stations is presented. The digital data has been archived and is available from NCDC in Asheville.

## 1. INTRODUCTION

Much of the historical National Weather Service (NWS) precipitation data for the eight Great Lakes states prior to 1948 are available only in paper copy or microfiche, making them virtually unusable for most computer applications. The Great Lakes Environmental Research Laboratory (GLERL) developed a project, under the Environmental Research Laboratories Endangered Data and Increased Access Program and funded under the National Environmental Satellite and Data Information Service's Earth System Data and Information Management Program, to make these data accessible for use in our own ongoing climate and lake hydrology related research programs, for use by other researchers, and for use by the public at large. Monthly precipitation data from 2,015 stations in Minnesota, Wisconsin, Illinois, Indiana, Michigan, Ohio, Pennsylvania, and New York were digitized from beginning of record to 1947. These data were quality controlled for data reduction errors and original data input errors (such as typographical errors but not for observer errors) and then combined with existing National Climatic Data Center (NCDC) digital monthly precipitation data from 1948 to 1990 for the states listed above. The total number of stations when including the 1948- 1990 period is 3,447. The station number and name, latitude, longitude, and elevation changes for each station were abstracted and digitized from NCDC state Summary of Station History forms (US Department of Commerce, 1956). The NCDC and state climatologists from several of the Great Lakes states provided important supplementary data and information that were helpful in the analysis of station changes and comparison data. Station history data reduction was completed under contract by NCDC as a GLERL-funded project.

This report documents sources of the monthly precipitation data and describes procedures, equipment, and software used to abstract, reduce, and quality control these data. Discontinuities in the time series of each station's monthly precipitation data are identified using a non-parametric test. The spatial and temporal distribution patterns of the precipitation stations are illustrated and discussed. A complete

tabular summary of the monthly precipitation data at the 3,447 stations digitized for this study is not included with this report, but a listing of these stations is included along with their location (latitude, longitude, elevation) and period of record as Appendix A. A complete set of computer files of the precipitation data and station history data was provided to NCDC for archiving.

## 2. METHODS

### 2.1 Equipment and Procedures

Digitization of published precipitation data was accomplished using an HP Scanjet II scanner that produced electronic image files. The computer image files were processed using Calera's Optical Character Recognition (OCR) software that captured the character images and wrote them to a DOS ASCII file. That ASCII file was then edited using programs written in FORTRAN code to correct OCR interpretation errors and suspected errors in the original unscanned data, Figure 1a.

### 2.2 Data

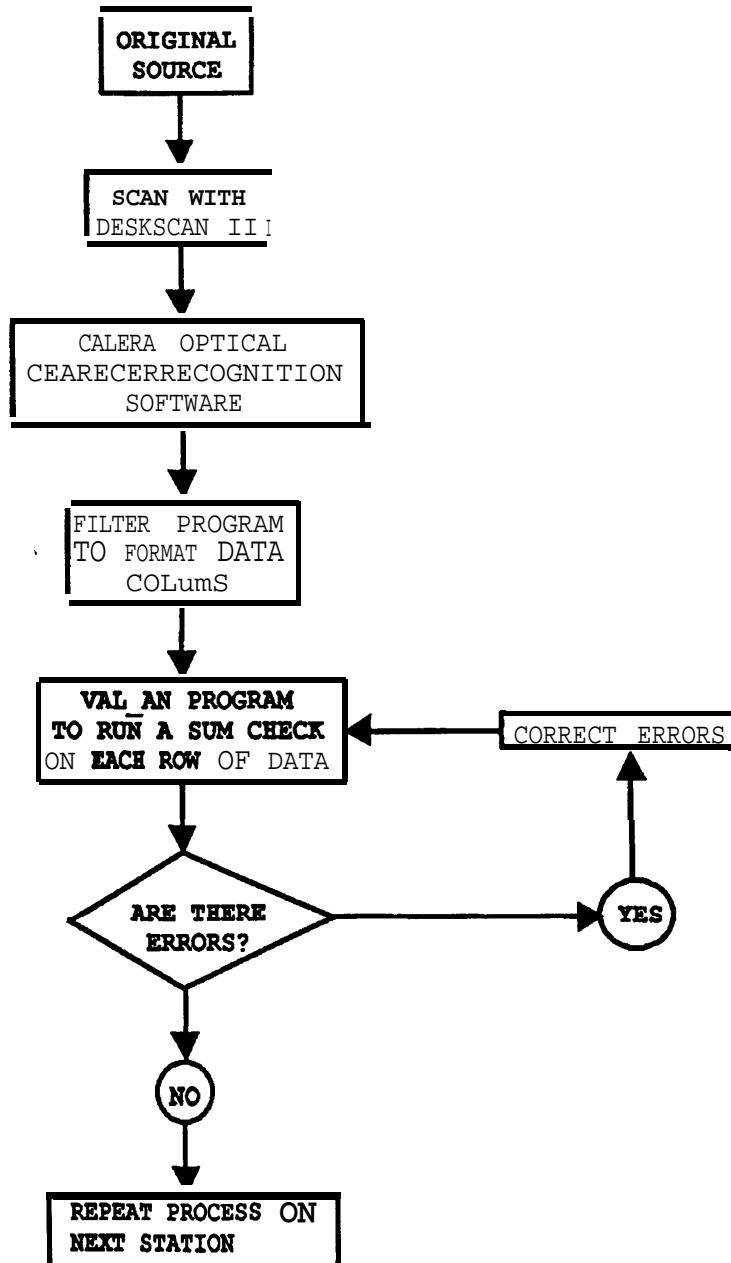
Sources of historical precipitation data digitized for this project include the following: monthly records from the beginning of record to 1930 published in the Climatic Summary of the United States (USDA, 1933), and monthly records from 1931 to 1952, published in the supplement to this volume (USDC, 1955-1964). Questionable data in the above noted publications were checked using USDA (1896-1913) and USDA (1914-1940). Hydrologic Bulletin (USDA, 1941-1948) data were included in Climatological Data (USDC, 1940-1948), starting August 1948, and for the 1948-1951 period were also digitized as part of this project. However, after September 1951 the Hydrologic Bulletin stations were discontinued from the USDC publication Climatological Data and were subsequently published elsewhere (Hourly Precipitation Data, USDC, 1951-present). These data are available from the above listed publication but were not digitized as part of this project.

Daily digitized data from 1948 to 1990 were obtained from NCDC (primarily from Tape Deck-3200 summary of the day data). Some stations on TD-3200 had pre-1948 daily data that was already digitized. If a station's data inventory showed it to be one of these stations, then the previously digitized data were used and the published data were used to fill in any data holes. These stations were the exception and not the rule. In-house software was developed to quality control, calculate the monthly mean, reformat, and combine these data with the pre-1948 digital data to form one continuous record for stations that started prior to 1948 and continued after that year, Figure 1b.

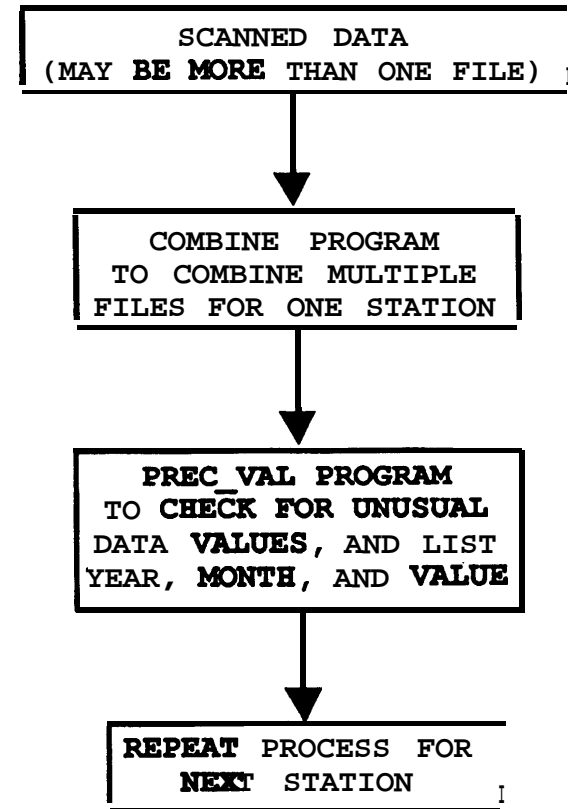
### 2.3 Statistical Quality Control

The data were quality controlled for both scanning errors and for outliers. These procedures were necessary to alleviate any errors created from using an electronic scanner; errors resulting from unreadable text, old discolored paper, document misregistration on the scanner, and dust on the scanner screen. In-house software was developed to read scanned characters and to replace misread characters such as the letter 'l' with the number '1'. This interactive software permitted the operator to determine if a questionable character should be replaced. Another interactive part of this software controlled outliers by totaling

**Figure 1a.**  
Flow chart for scanning data.



**Figure 1b.** Flow chart for processing scanned data.





up the months of data for that year and comparing it to that year's total, which had also been scanned and listed in the file. If the totals did not match, the program searched for a value one-fifth larger or smaller than the total. Once found, this value was presented to the operator for a decision. The one-fifth criteria was selected because it contained a range of values that were significantly larger or smaller than a typical monthly value for that year. After these scanned data were quality controlled for inconsistencies with the published data, they were combined with the already digitized data (1948-1990), and this entire data set was checked in the following manner. The mean and standard deviation for each month for the entire period of record was calculated, then monthly values were compared to this mean to see if they fell within  $\pm 2$  standard deviations (SD) of the mean. Monthly values that were not within 2 SD of the long-term monthly mean were checked with other published data to verify their value. Also, any monthly values greater than 10 inches were scrutinized to verify the values. Ten inches was selected as the threshold value for two reasons. First, an analysis of the sum of the monthly mean plus 3 SD for a number of selected stations in each state in the region has demonstrated that 10 inches precipitation criteria for any given month is generally a good measure of the extreme value for the region as a whole. Second, depending on the condition of the original text, a decimal point '.' can be misinterpreted by the OCR software as a 'O', thus 1.94 may be processed as 1094.

## 2.4 Examples of Data Inhomogeneities

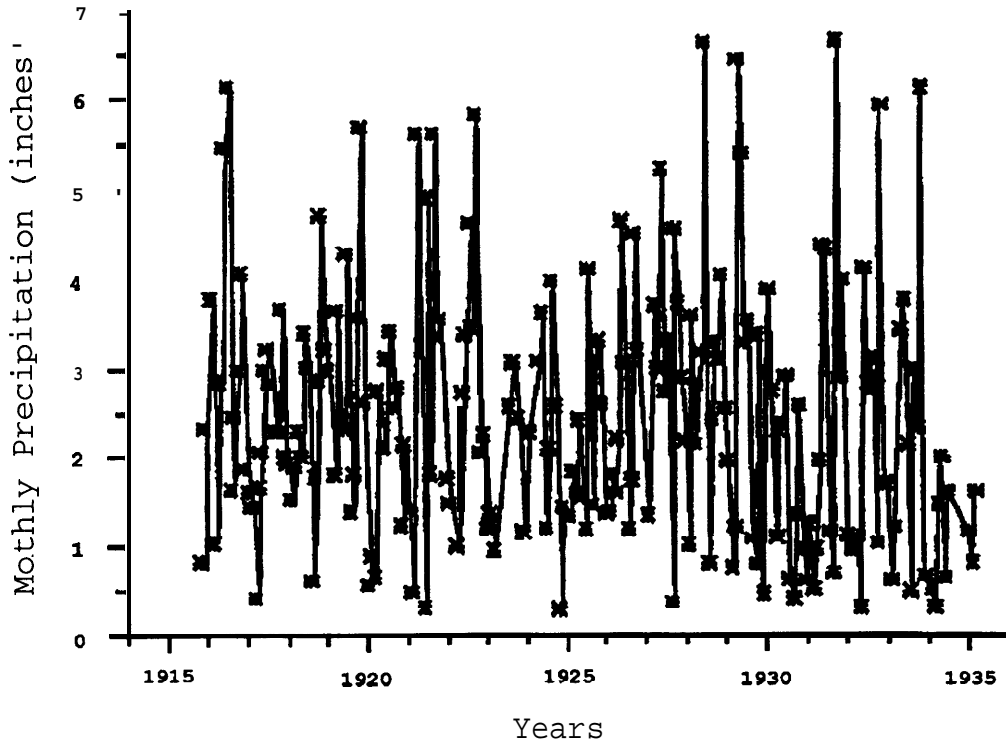
Examples of several types of inhomogeneities existing in these data are identified by a subjective evaluation of plots of precipitation time series and verified by metadata information. Figure 2, gage # 203940 from Howard City, Michigan is an example of instrumentation and human error. Analysis of this time series plot revealed there were three different precipitation regimes. These regimes can be explained by documentation listed in the Substation History Record (Weather Bureau, 1956). These explanations were (1) from 1915 to 1922 it was reported that the rain gage was located too close to growing trees resulting in inaccurate catchment, (2) beginning in 1922 the gage was moved 25 feet south of the first location; this shows up clearly in Figure 2 as a positive sloping mean for the period 1922- 1927 and, (3) in 1931 the station was moved away from the trees to a more secluded spot away from visitors to the farm on which it was located; the station history states, "the visitors molested the rain gage." This move is also apparent by a positive sloping mean from 1931 to 1936.

Another example of inhomogeneities that exist in these data (Figure 3), Station # 20 1704 Coloma 3 NNW, Michigan, shows inhomogeneity due to human error. According to the substation history record: (1) from 1925 to 1938 this station was maintained by the Soil Conservation Service as part of a Benton Harbor project; (2) from 1938 to 1948 the station was closed due to "inefficiency of the observer."

A final example of the lack of homogeneity is given by Tomah Ranger Station [Wisconsin] (Figure 4) which is typical of the problems that can result with an instrumental change. This discontinuity is due to a change from a Recording Rain Gage to a Standard Rain Gage. In 1951 several stations switched their instruments from Recording Rain Gages to Standard Rain Gages. The difference between the two is that a Recording Rain Gage typically has an undercatchment; it records less precipitation than a Standard Rain Gage. This is evident by the higher mean precipitation after 1951 (Figure 4).

Although these stations and others like them show shifts in the means due to human or instrument error, there were other stations with mean shifts that had no accompanying explanation in their station history records; these would be likely candidates for climate variation evaluation.

**Figure 2.** Station 203940, Howard City, Michigan.



**Figure 3.** Station 201704, Coloma 3 NNW, Michigan.

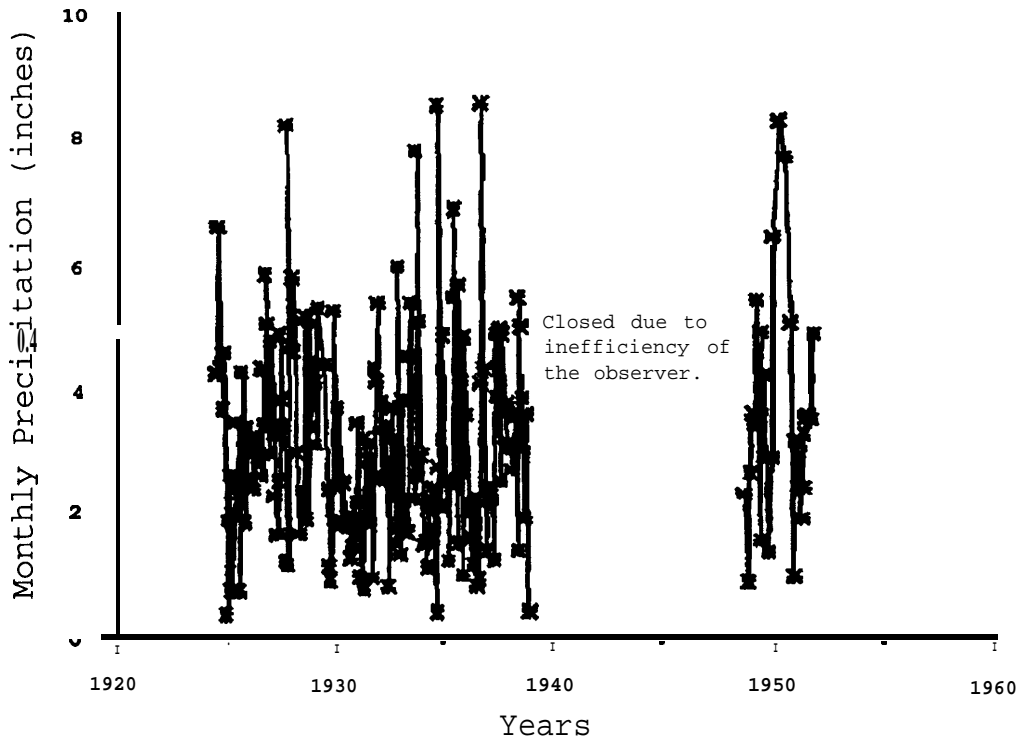
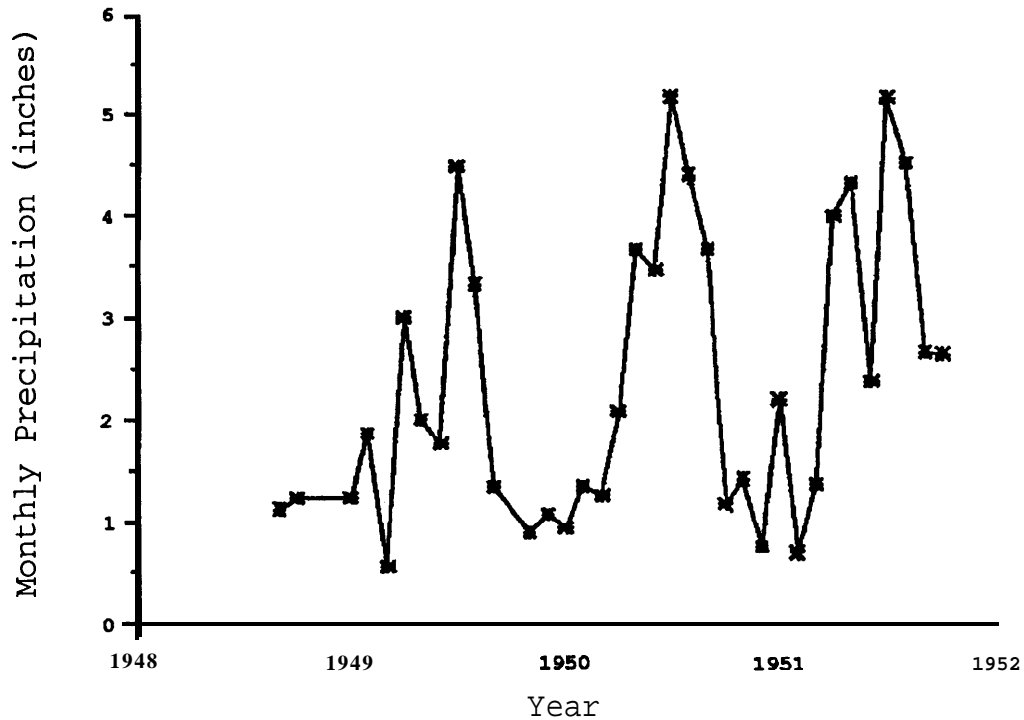


Figure 4. Station 478511, Tomah Ranger Station, Wisconsin.



### 3.0 RESULTS

#### 3.1 Computer File Documentation

A separate computer file was created for each of the 3,447 stations containing tabular summaries of monthly precipitation data. The name of a station's data file is based on that station's number. All file names follow the format of **P**<state #> <station #>.DAT. For example, (Table 1) West Salem is station number 9119 in Wisconsin, state number 47, thus giving the file name P479119.DAT. Stations with a state number of 99 are ones that have not had an NCDC number assigned. NCDC will assign numbers to these stations at a later date. The first three lines of each data file contain the header information. The first line tells the type of data (precipitation). The second line gives the NCDC station number, latitude, longitude, station name, and elevation in feet above sea level. The third line shows the period covered. The fourth line is blank. Following the header are data for each year covered. The format for these data is the year followed by the data for each month (January through December). The FORTRAN format is (IX,I4,2X,12F6.2). Following the data is a blank line followed by a footer. The footer contains notes regarding the data. The first two lines of the footer give the data codes for trace amounts and missing values. Some files may also have information regarding combined data from nearby locations or station name changes.

TABLE 1. Sample of summary of monthly precipitation data at West Salem.

<b>MONTHLY PRECIPITATION VALUES (INCHES)</b>													
<b>479119 43.900 -91.083WESTSALEM</b>													
<b>PeriodofRecord= 1938- 1954</b>													
<b>1938</b>	<b>-9.99</b>	<b>-9.99</b>	<b>-9.99</b>	<b>-9.99</b>	<b>-9.99</b>	<b>-9.99</b>	<b>-9.99</b>	<b>-9.99</b>	<b>4.37</b>	<b>9.47</b>	<b>-9.99</b>	<b>-9.99</b>	<b>-9.99</b>
<b>1939</b>	<b>-9.99</b>	<b>1.68</b>	<b>0.42</b>	<b>-9.99</b>	<b>1.85</b>	<b>3.00</b>	<b>1.49</b>	<b>5.85</b>	<b>0.84</b>	<b>-9.99</b>	<b>0.37</b>	<b>0.56</b>	
<b>1940</b>	<b>-9.99</b>	<b>-9.99</b>	<b>-9.99</b>	<b>2.47</b>	<b>2.52</b>	<b>-9.99</b>	<b>1.60</b>	<b>6.35</b>	<b>-9.99</b>	<b>2.80</b>	<b>2.58</b>	<b>1.47</b>	
<b>1941</b>	<b>1.38</b>	<b>0.35</b>	<b>1.57</b>	<b>2.90</b>	<b>5.28</b>	<b>4.04</b>	<b>1.85</b>	<b>0.66</b>	<b>7.77</b>	<b>4.82</b>	<b>-9.99</b>	<b>1.61</b>	
<b>1942</b>	<b>0.61</b>	<b>0.54</b>	<b>2.23</b>	<b>1.45</b>	<b>6.20</b>	<b>6.24</b>	<b>3.08</b>	<b>5.47</b>	<b>4.99</b>	<b>2.81</b>	<b>1.70</b>	<b>2.12</b>	
<b>1943</b>	<b>1.43</b>	<b>0.17</b>	<b>1.48</b>	<b>1.08</b>	<b>3.09</b>	<b>4.27</b>	<b>2.39</b>	<b>2.79</b>	<b>2.38</b>	<b>2.30</b>	<b>1.63</b>	<b>-1.11</b>	
<b>1944</b>	<b>0.93</b>	<b>1.58</b>	<b>1.86</b>	<b>2.75</b>	<b>2.84</b>	<b>4.36</b>	<b>3.09</b>	<b>4.06</b>	<b>3.88</b>	<b>0.32</b>	<b>1.06</b>	<b>0.66</b>	
<b>1945</b>	<b>0.84</b>	<b>2.89</b>	<b>3.03</b>	<b>4.19</b>	<b>6.51</b>	<b>3.94</b>	<b>4.37</b>	<b>3.15</b>	<b>3.38</b>	<b>0.41</b>	<b>4.33</b>	<b>2.04</b>	
<b>1946</b>	<b>2.09</b>	<b>0.57</b>	<b>2.05</b>	<b>0.50</b>	<b>3.10</b>	<b>4.47</b>	<b>1.28</b>	<b>3.20</b>	<b>7.43</b>	<b>2.63</b>	<b>2.17</b>	<b>1.38</b>	
<b>1947</b>	<b>1.52</b>	<b>0.24</b>	<b>1.40</b>	<b>3.54</b>	<b>4.37</b>	<b>5.85</b>	<b>3.13</b>	<b>2.04</b>	<b>4.79</b>	<b>2.03</b>	<b>2.20</b>	<b>1.67</b>	
<b>1948</b>	<b>0.06</b>	<b>1.66</b>	<b>1.07</b>	<b>2.35</b>	<b>3.40</b>	<b>2.98</b>	<b>2.33</b>	<b>1.25</b>	<b>1.19</b>	<b>1.10</b>	<b>1.78</b>	<b>1.62</b>	
<b>1949</b>	<b>2.09</b>	<b>0.41</b>	<b>3.30</b>	<b>1.99</b>	<b>1.56</b>	<b>4.81</b>	<b>3.98</b>	<b>-9.99</b>	<b>0.86</b>	<b>0.88</b>	<b>0.58</b>	<b>1.01</b>	
<b>1950</b>	<b>1.41</b>	<b>1.16</b>	<b>1.80</b>	<b>3.66</b>	<b>3.37</b>	<b>5.02</b>	<b>4.82</b>	<b>1.69</b>	<b>2.30</b>	<b>1.16</b>	<b>0.47</b>	<b>2.25</b>	
<b>1951</b>	<b>0.97</b>	<b>1.54</b>	<b>3.62</b>	<b>3.14</b>	<b>3.56</b>	<b>4.74</b>	<b>5.92</b>	<b>4.13</b>	<b>3.04</b>	<b>4.16</b>	<b>1.31</b>	<b>0.87</b>	
<b>1952</b>	<b>1.42</b>	<b>0.83</b>	<b>2.02</b>	<b>2.41</b>	<b>3.74</b>	<b>6.29</b>	<b>9.17</b>	<b>4.51</b>	<b>0.70</b>	<b>0.11</b>	<b>2.31</b>	<b>1.55</b>	
<b>1953</b>	<b>0.90</b>	<b>1.91</b>	<b>1.64</b>	<b>5.04</b>	<b>2.21</b>	<b>4.82</b>	<b>8.37</b>	<b>5.86</b>	<b>0.70</b>	<b>0.44</b>	<b>1.34</b>	<b>1.22</b>	
<b>1954</b>	<b>0.58</b>	<b>0.27</b>	<b>-9.99</b>	<b>-9.99</b>	<b>-9.99</b>	<b>-9.99</b>	<b>-9.99</b>	<b>-9.99</b>	<b>-9.99</b>	<b>-9.99</b>	<b>-9.99</b>	<b>-9.99</b>	

**-1.11 =TRACE**  
**-9.99 = MISSING or INSUFFICIENT DATA**

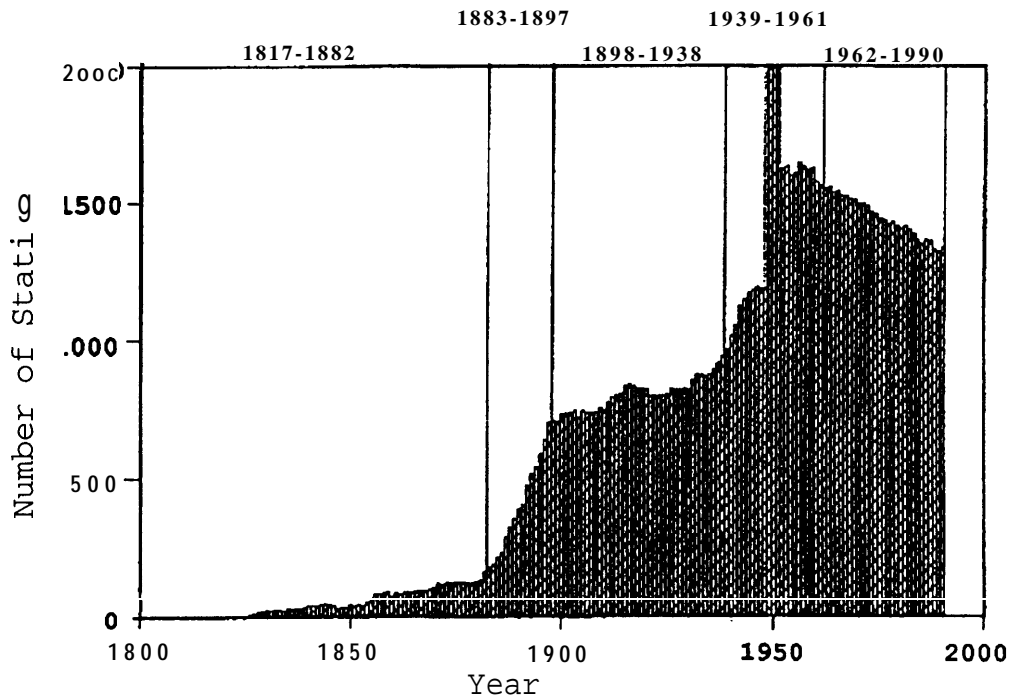
### 3.2 Precipitation Stations’ Spatial and Temporal Distribution Trends

The temporal distribution of the number of stations in the data set for each year is given as Figure 5. In Figure 5, a station is counted as active for a given year if it has at least one month with data in that year. The number and distribution of precipitation stations for the entire period of record shows adequate coverage to define spatial patterns over the entire region beginning near or after 1900. Before 1900 the spatial distribution of stations may be suitable for smaller sub-regional studies, but the spatial coverage is not sufficient for a regional analysis. Based on changes in slope and increases and decreases in the total number of stations in Figure 5, the temporal distribution of the annual number of active stations was divided into five periods.

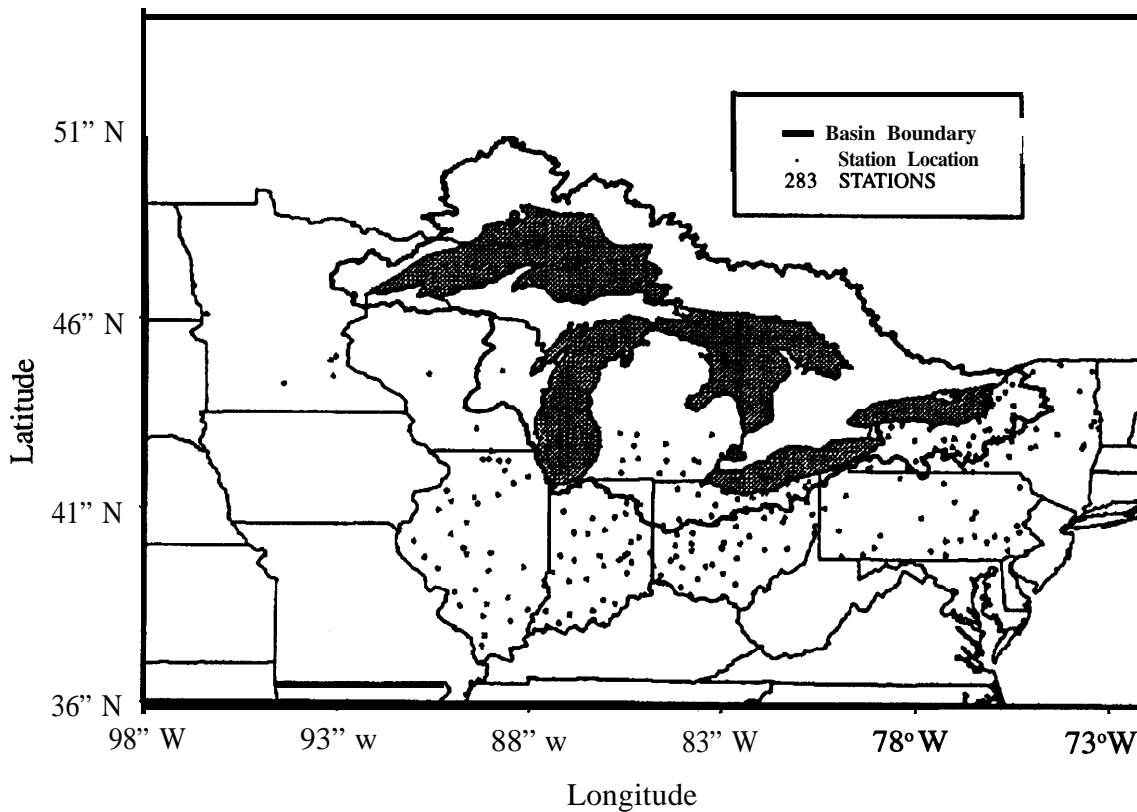
#### 3.2.1 Period 1: 1817-1882

From 1817 through 1882 (Figure 6) there was a gradual, nearly steady increase in the number of precipitation stations in the data set. During this period there were a total of 283 stations that recorded data for some months or years. The stations are not evenly distributed throughout the Great Lakes states. Most of the southern portion of the region had a relatively even spatial station distribution; the northern region, Minnesota, Wisconsin, and Northern Michigan, had very few stations. The monthly precipitation data could be used for describing the precipitation patterns for some sub-regions, such as southeastern Pennsylvania or the Hudson River Valley. It is not advisable to use these data for detailed spatial analysis over the entire region; there are too few stations.

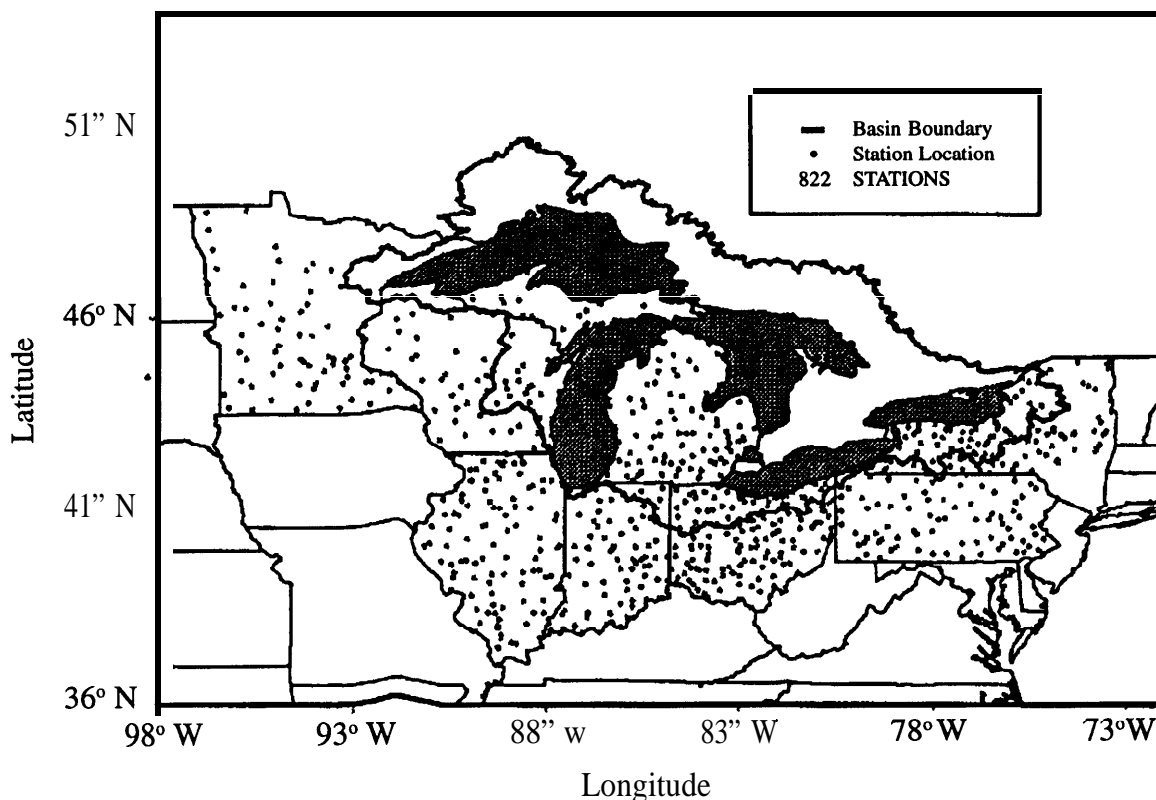
**Figure 5.** Stations with one or more months of data per year.



**Figure 6.** Distribution of stations for period 1: 1817-1882.



**Figure 7.** Distribution of stations for period 2: 1883-1897.



### 3.2.2 Period 2: 1883-1897

The number of stations increased greatly during this period, from 283 in the previous period to 822, (Figure 5) and were much more evenly distributed than during the previous period (Figure 7). Northern Minnesota, north-central Wisconsin, the central portion of the Upper Peninsula of Michigan, and the Adirondack Mountains of New York still had little to no data representation.

### 3.2.3 Period 3: 1898-1938

During the next 41 years the number of stations in the data set per year was fairly steady (Figure 8). Throughout this time, there was a total of 1,510 stations open at some point. However, the maximum number of stations taking data in any one year was 940, indicating frequent station opening and closing.

### 3.2.4 Period 4: 1939-1961

The spatial distribution of stations during this period is similar to that of the previous period, in that there are no large unrepresented areas (Figure 9). The temporal distribution of the number of stations

Figure 8. Distribution of stations for period 3: 1898-1938.

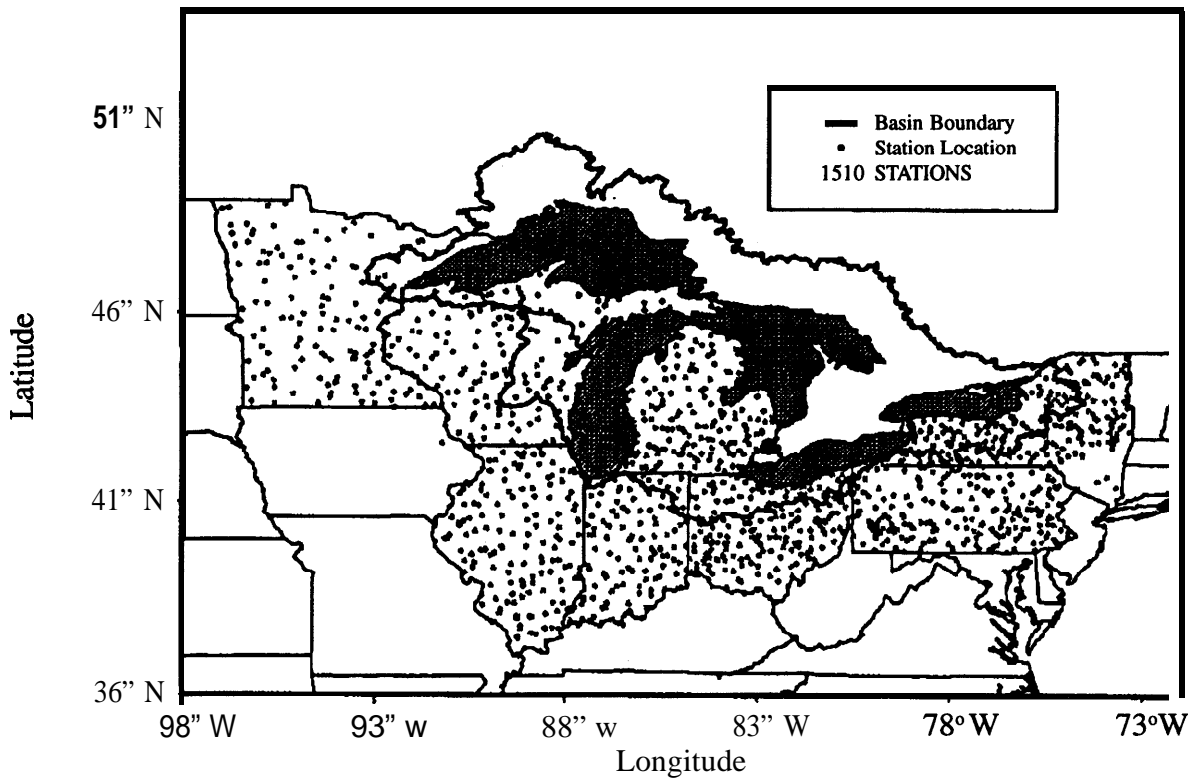
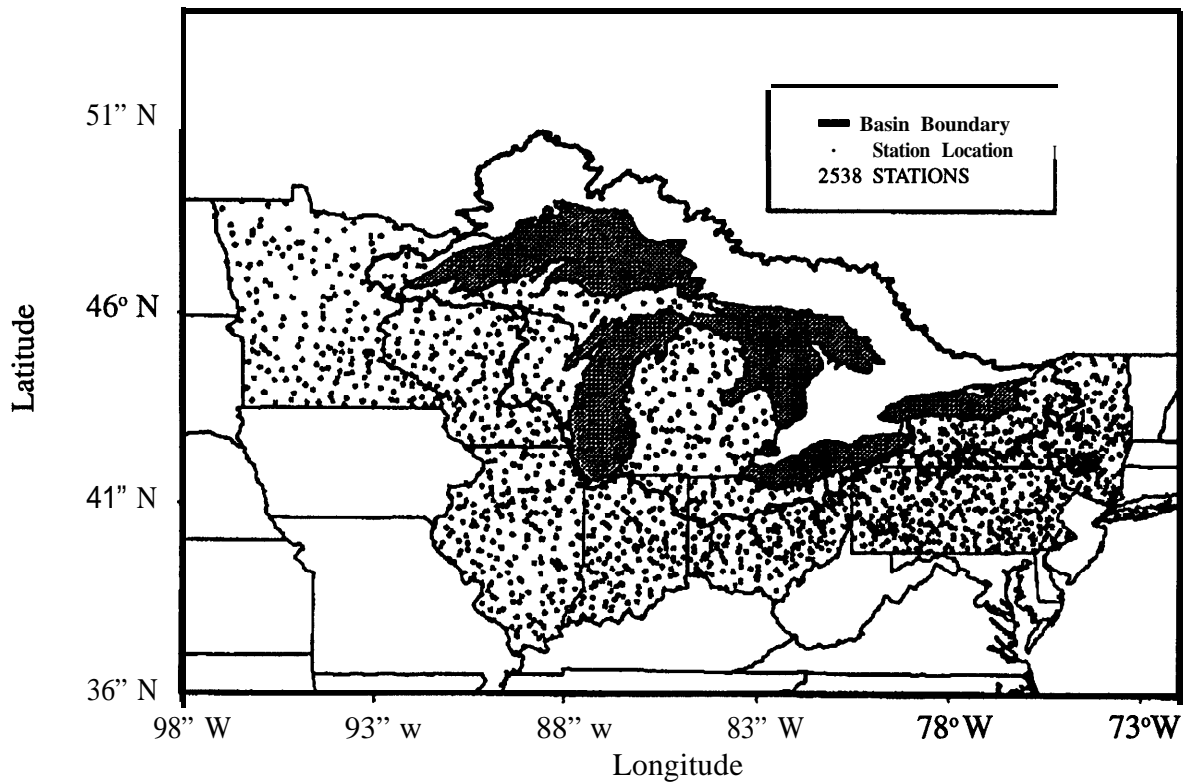


Figure 9. Distribution of stations for period 4: 1939-1961.

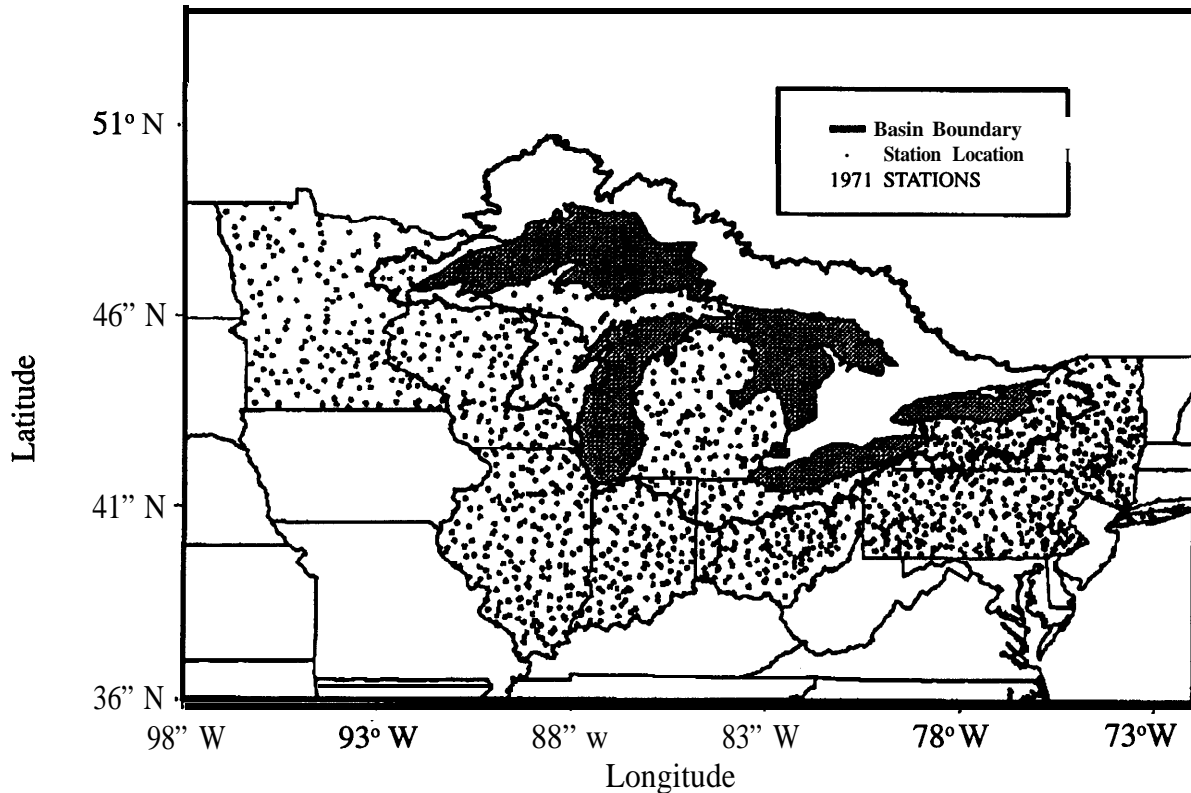


during these years can be seen as three distinct sub-periods (Figure 5). The first sub-period (1939- 1948) continues the trend of a moderate increase in the number of stations in the data set. The second sub-period (1948-1 951) shows a spike in the number of stations digitized. A leveling off in the number of stations occurred in the third sub-period (1951- 1961). The spike in the second sub-period results from the Hydrologic Bulletin (USDA, 1941 - 1948) data being included in Climatological Data (USDC., 1940- 1948), starting August 1948 to September 1951. During the years 1941-48 the stations in the Hydrologic Bulletin were not part of the climatological network, and were published as hourly data. From 1951 to the present these stations were published in the Hourly Precipitation Data, also not part of the climatological network. Therefore, we only included these stations during the second subperiod (1948-51), when they were published in the Climatological Data as part of the climatological network.

### 3.2.5 Period 5: 1962-1990

During the last three decades there was a nearly steady decline in the number of stations operating each year. The number of open stations ranged from 1,324 in 1989 to 1,565 in 1963, with a total of 1,971 stations taking observations at some point. The spatial distribution of stations during this period (Figure 10) has no large blank areas.

**Figure 10.** Distribution of stations for period 5: 1962-1990.





## 4. DISCUSSION

### 4.1 Caveats on Data Usage

These data have not been corrected for instrumental change, observer error, or changes in instrument location or exposure. A recent study (Legates and DeLiberty, 1993) indicates that the annual bias in precipitation gage measurements expressed as a percentage of the bias-adjusted precipitation is on the order of 8-12% for the Great Lakes states. While Groisman et al. (1991) point out that corrections to precipitation data often require detailed metadata including local wind, surrounding elevation, and surrounding vegetation in the vicinity of the rain gage. Thus, care must be taken in using the monthly precipitation in their present form.

### 4.2 Future Work

We plan to make a statistical analysis of station homogeneity and to examine the spatial and temporal distribution pattern of monthly and annual precipitation. The objective of this analysis will be to identify regional and seasonal trends and changes in long-term means over the period of record, similar to the work described in Quinn (1981) but updated to include the long period of record and expanded to include finer resolution with respect to spatial scale.

## 5. ACKNOWLEDGEMENTS

This GLERL data rescue project is part of the Environmental Research Laboratories' Endangered Data and Increased Access Program, and the work was funded by NOAA's National Environmental Satellite and Data Information Service's Earth System Data and Information Management Program. The cooperation of the state climatologists of the eight Great Lakes states and of Pam Hughs of NCDC in providing information and data on various aspects of this task is appreciated. This work was completed while Don Meyer was with the Cooperative Institute of Limnological and Ecosystems Research (CILER) at NOAA/GLERL in Ann Arbor.

## 6. REFERENCES

Groisman, P.Y., E.M. Matson, and S. DelGreco. Metadata for construction of homogeneous long-term precipitation time series. Proceedings, Seventh Conference on Applied Climatology, Salt Lake City, UT, American Meteorological Society, Boston, 119- 122 (1991).

Legates, D.R., and T.L. DeLiberty. Estimates of biases in precipitation gage measurements: An example using the United States rain gage network. Proceedings, Eighth Symposium on Meteorological Observations and Instrumentation, Anaheim, CA., Jan 17-22,1993, American Meteorological Society, Boston, 548-551 (1993).

QUINN, F.H. Secular changes in annual and seasonal Great Lakes precipitation, 1854-1979, and their implications for Great Lakes water resource studies. *Water Resources Research* 17(6): 1619- 1624 (1981).

U.S. Department of Agriculture. Hydrologic Bulletin (series). Government Printing Office, Washington, DC. (1941-1948).

U.S. Department of Agriculture, Weather Bureau. Climatic Summary of the United States: sections 44-49, 56-58,63-71,80-83, and 87-89. Government Printing Office, Washington, DC. (1933).

U.S. Department of Agriculture, Weather Bureau. Climatological Data: (series) Illinois, Indiana, Michigan, Minnesota, New York, Ohio, Pennsylvania, and Wisconsin sections. Government Printing Office, Washington, DC. (1914-1940).

U.S. Department of Agriculture, Weather Bureau, Climate and Crop Service. Climate and Crops: (series) Illinois, Indiana, Michigan, Minnesota, New York, Ohio, Pennsylvania, and Wisconsin sections. Government Printing Office, Washington, DC. (1896- 19 13).

U.S. Department of Commerce, Weather Bureau. Climatic Summary of the United States; (series) 193 1-1952 Supplement: Illinois, Indiana, Michigan, Minnesota, New York, Ohio, Pennsylvania, and Wisconsin sections. Government Printing Office, Washington, DC. (1955-1964).

U.S. Department of Commerce, Weather Bureau. Climatological Data: (series) Illinois, Indiana, Michigan, Minnesota, New York, Ohio, Pennsylvania, and Wisconsin sections. Government Printing Office, Washington, DC. (1940- 1948).

U.S. Department of Commerce, Weather Bureau. Hourly Precipitation Data (series). Government Printing Office Washington, DC. (195 1 -present).

U.S. Department of Commerce, Weather Bureau. Key to Meteorological Records Documentation No. 1.1; Substation History: Illinois, Indiana, Michigan, Minnesota, New York, Ohio, Pennsylvania, and Wisconsin sections. Government Printing Office, Washington, DC. (1956).

APPENDIX A: Listing of stations digitized by state

ILLINOIS

STN #	LAT	LON	STATION NAME	ELEV	POR	STN #	LAT	LON	STATION NAME	ELEV	POR
110050	38.550	-89.633	ALBERS 1 W	436	1990-1990	111841	41.678	-90.322	CORDOVA, ROCK ISLAND CO.	595	1895-1896
110055	38.383	-88.050	ALBION	537	1856-1990	111944	38.183	-89.600	COULTERVILLE 1 SSW	508	1948-1982
110072	41.217	-90.750	ALEDO	728	1901-1990	111992	37.617	-88.833	CREAL SPRINGS	506	1964-1968
110080	39.750	-90.080	ALEXANDER, MORGAN CO.,	-999	1895-1926	112011	41.450	-87.633	CRETE	667	1948-1951
110082	41.067	-90.567	ALEXIS 1 SW	688	1948-1951	112060	40.883	-88.267	CULLOM	-999	1945-1948
110137	38.883	-90.183	ALTON DAM 26	437	1943-1990	112140	40.133	-87.650	DANVILLE	568	1895-1990
110187	37.467	-89.233	ANNA 1 E	655	1875-1990	112143	40.133	-87.650	DANVILLE HOSPITAL	584	1949-1951
110195	41.400	-89.917	ANNAWAN	630	1941-1960	112145	40.100	-87.600	DANVILLE SEWAGE PLANT	534	1948-1990
110203	42.500	-88.133	ANTIOCH 2 NW	758	1901-1990	112150	40.133	-87.650	DANVILLE WATER WORKS	564	1948-1949
110211	42.450	-90.050	APPLE RIVER CANYON SP	828	1985-1990	112178	41.383	-88.783	DAYTON	467	1990-1990
110247	42.033	-87.967	ARLINGTON HEIGHTS 4 SSE	685	1940-1962	112193	39.833	-89.017	DECATUR	628	1870-1990
110286	41.867	-89.223	ASHTON, LEE CO., IL.	830	1895-1909	112223	41.933	-88.767	DE KALB	848	1966-1990
110291	40.228	-90.355	ASTORIA, FULTON CO., IL.	662	1899-1931	112286	42.050	-87.917	DES PLAINES 1 NW	704	1948-1950
110304	39.958	-89.728	ATHENS, MENARD CO., IL.	606	1843-1858	112330	39.367	-88.133	DIONA	664	1948-1950
110330	40.233	-90.933	AUGUSTA	687	1948-1951	112332	39.350	-88.167	DIONA 3 SW	618	1948-1990
110338	41.750	-88.350	AURORA	640	1857-1987	112344	38.450	-88.933	DIX	557	1990-1990
110356	40.717	-90.367	AVON 5 NE	646	1950-1990	112348	41.833	-89.550	DIXON 3 W	708	1886-1990
110442	42.167	-88.150	BARRINGTON	807	1962-1990	112353	37.433	-88.667	DIXON SPRINGS AGR CNTR	548	1967-1990
110445	39.683	-91.050	BARRY, PIKE CO., IL.	710	1941-1976	112397	40.783	-90.083	DOUGLAS	654	1948-1950
110492	40.017	-90.433	BEARDSTOWN	450	1906-1987	112417	40.417	-88.850	DOWNES 2 NE	808	1948-1988
110497	39.933	-90.533	BEARDSTOWN LAGRANGE DAM	435	1948-1951	112447	38.223	-89.215	DUBOIS, WASHINGTON CO.	528	1864-1893
110500	39.183	-88.783	BEECHER CITY 1 W	637	1990-1990	112483	38.000	-89.250	DU QUOIN 4 SE	427	1887-1990
110510	38.500	-89.850	BELLEVIEWE SO ILL UNIV	458	1948-1990	112497	41.100	-88.417	DWIGHT	644	1896-1950
110583	42.250	-88.833	BELVIDERE	827	1868-1951	112500	41.083	-88.417	DWIGHT	628	1990-1990
110591	39.922	-88.573	BEMENT, PIATT CO., IL.	689	1907-1917	112502	41.083	-88.467	DWIGHT STATE REFORM	645	1948-1951
110598	40.333	-91.100	BENTLEY 1 E	658	1948-1990	112600	40.663	-89.573	EAST PEORIA, TAZEWELL CO.	-999	1894-1897
110608	38.033	-88.917	BENTON FOREST SERVICE	457	1902-1990	112614	38.567	-90.183	EAST ST LOUIS SPRINGS COL	415	1910-1968
110761	40.500	-89.017	BLOOMINGTON WATERWORKS	775	1949-1990	112651	37.498	-88.585	EDDYVILLE, POPE CO.	630	1940-1942
110766	40.517	-89.000	BLOOMINGTON NORMAL	796	1886-1977	112642	40.933	-89.633	EDELSTEIN	807	1950-1951
110781	39.750	-90.533	BLUFFS	547	1940-1986	112679	38.833	-89.950	EDWARDSVILLE 1 NE	488	1882-1989
110868	41.183	-89.667	BRADFORD 1W	798	1980-1990	112687	39.133	-88.617	EPPINGHAM 3 W	608	1892-1990
110873	41.217	-89.617	BRADFORD FAA AIRPORT	805	1944-1959	112719	37.817	-88.450	ELDORADO	380	1990-1990
110993	37.133	-88.650	BROOKPORT DAM 52	336	1928-1990	112736	42.033	-88.333	ELGIN	768	1898-1990
111098	40.553	-90.508	BUSHNELL, MC DONOUGH CO.	400	1892-1909	112745	42.333	-90.250	ELIZABETH 5 S	818	1884-1990
111160	38.567	-90.217	CAHOKIA	408	1969-1990	112750	37.450	-88.300	ELIZABETHTOWN	405	1942-1968
111166	37.000	-89.167	CAIRO WSO CI	317	1871-1990	112800	38.950	-90.350	ELSAS PRINCIPAL COLLEGE	636	1943-1960
111220	41.302	-90.193	CAMBRIDGE, HENRY CO.	-999	1895-1909	112850	37.735	-88.338	EQUALITY, GALLATIN CO.	-999	1899-1919
111230	40.383	-90.333	CAMP ELLIS	644	1948-1950	112888	42.033	-87.683	EVANSTON PUMP STA	625	1865-1951
111240	40.043	-91.065	CAMP POINT, ADAMS CO.	-999	1915-1919	112890	38.033	-88.883	EWING, FRANKLIN CO.	-999	1913-1918
111250	40.550	-90.017	CANTON 1 ESE	636	1940-1990	112923	40.733	-88.517	FAIRBURY WATER WORKS	698	1948-1990
111265	37.733	-89.167	CARBONDALE SEWAGE PLANT	397	1875-1990	112931	38.383	-88.317	FAIRFIELD RADIO WFIW	437	1885-1990
111280	39.283	-89.867	CARLINVILLE	635	1891-1990	112958	40.633	-90.167	FAIRVIEW	733	1914-1948
111288	38.600	-89.367	CARLYLE	464	1885-1964	112990	40.368	-90.762	FANDON, MC DONOUGH CO.	-999	1902-1904
111290	38.633	-89.333	CARLYLE RESERVOIR	508	1962-1989	112993	40.250	-88.650	FARMER CITY	738	1948-1990
111296	38.167	-88.200	CARMI 6 NW	396	1911-1990	113109	38.683	-88.567	FLORA 5 NW	507	1876-1990
111302	38.067	-88.183	CARMI 3	-999	1987-1990	113129	42.203	-87.807	FORT SHERIDAN, LAKE CO.	613	1894-1915
111304	38.883	-89.900	CARPENTER 1 SW	525	1948-1951	113257	42.300	-89.617	FREEPOT	784	1886-1973
111320	39.300	-90.407	CARROLLTON, GREENE CO.	-999	1894-1907	113262	42.300	-89.600	FREEPOT WASTE WTR PLT	757	1948-1990
111329	39.300	-88.000	CASEY	638	1887-1990	113290	41.900	-90.150	FULTON DAM 13	596	1937-1990
111340	40.067	-87.707	CATLIN, VERMILION CO.	-999	1895-1896	113304	37.850	-88.633	GALATIA 1 W	428	1941-1951
111386	38.517	-89.117	CENTRALIA	478	1881-1990	113312	42.417	-90.433	GALENA 1 N	808	1888-1990
111412	40.050	-90.150	CHANDLERVILLE	486	1939-1962	113320	40.950	-90.383	GALESBURG	775	1861-1990
111420	41.400	-88.283	CHANNANON DRESDEN ISL	517	1943-1990	113335	41.167	-90.050	GALVA	867	1864-1990
111436	39.483	-88.167	CHARLESTON	687	1870-1990	113369	41.367	-88.467	GEBHARD WOODS ST PK	517	1970-1990
111458	41.000	-87.817	CHEBANSE 5 E	607	1990-1990	113384	41.450	-90.167	GENESE	647	1873-1990
111469	42.417	-88.667	CHEMUNG, MC HENRY CO.	823	1894-1902	113413	40.467	-88.367	GIBSON CITY 1 E	668	1935-1990
111475	40.733	-88.733	CHENOA	715	1944-1990	113455	40.883	-91.033	GLADSTONE DAM 18	544	1937-1990
111491	37.900	-89.833	CHESTER	465	1891-1990	113482	37.433	-88.667	GLENDALE EXP STATION	485	1941-1967
111497	42.117	-87.767	CHG BOTANICAL GARDEN	638	1981-1990	113522	37.367	-88.483	GOLCONDA DAM 51	358	1866-1980
111522	41.667	-87.617	CHICAGO CAL TREAT WKS	597	1948-1959	113530	40.117	-91.033	GOLDEN 1 NW	738	1856-1990
111526	41.883	-87.617	CHICAGO GRANT PARK	607	1972-1976	113572	38.967	-90.450	GRAFTON	437	1894-1990
111527	41.500	-87.633	CHICAGO HEIGHTS	634	1948-1952	113580	37.200	-89.050	GRAND CHAIN DAM 53	394	1923-1949
111532	41.967	-87.667	CHICAGO LAKEVIEW PUMP	655	1948-1951	113595	37.667	-89.517	GRAND TOWER 2 N	374	1940-1990
111537	42.000	-87.667	CHICAGO LOYOLA UNIV	595	1948-1951	113666	39.350	-90.217	GREENFIELD	567	1948-1990
111542	41.967	-87.750	CHICAGO MAYFAIR PUMP ST	655	1948-1951	113683	39.250	-88.167	GREENUP	547	1942-1990
111547	41.967	-87.700	CHICAGO N BRA PUMP STA	605	1948-1951	113693	38.883	-89.400	GREENVILLE 1 E	586	1882-1989
111549	41.983	-87.900	CHICAGO O HARE WSO AP	677	1958-1990	113709	40.750	-88.883	GRIDLEY	756	1940-1960
111552	41.700	-87.633	CHICAGO ROSELAND PUMP	665	1948-1951	113717	39.717	-90.733	GRIGGSVILLE	706	1882-1989
111557	41.817	-87.650	CHICAGO RACINE PUMP	647	1948-1951	113736	42.367	-87.900	GURNEE BOULEVARD STAT10	708	1987-1989
111562	41.900	-87.633	CHICAGO SAN DIST OFF	637	1948-1951	113738	42.367	-87.917	GURNEE PUBLIC WORKS	688	1987-1990
111564	41.750	-87.550	CHICAGO S WTR FILT PLT	617	1948-1951	113764	37.600	-88.900	HALFWAY, WILLIAMSON CO.	569	1887-1910
111567	41.917	-87.733	CHICAGO SPRINGFLD PUMP	638	1948-1951	113750	37.800	-89.170	HALLIDAYBORO, JACKSON CO.	-999	1897-1904
111572	41.783	-87.600	CHICAGO UNIVERSITY	595	1871-1990	113850	39.150	-90.617	HARDIN	445	1933-1974
111577	41.783	-87.750	CHICAGO MIDWAY AP	628	1928-1990	113879	37.733	-88.533	HARRISBURG	388	1899-1990
111582	41.883	-87.633	CHICAGO WB CITY	595	1948-1965	113884	37.750	-88.533	HARRISBURG DISPOSAL PL	368	1948-1986
111584	41.883	-87.633	CHICAGO CITY NO 2 WSO	597	1965-1970	113902	42.417	-88.633	HARVARD	917	1990-1991
111627	40.917	-89.500	CHILLICOTHE	516	1940-1990	113930	40.300	-90.050	HAVANA	446	1870-1966
111648	41.850	-87.767	CISNERO	614	1933-1959	113940	40.350	-90.017	HAVANA 4 NNE	467	1948-1990
111664	38.517	-88.400	CISNE 2 ESE	456	1946-1951	114013	41.300	-89.317	HFNNEPIN POWER PLANT	467	1962-1990
111700	38.600	-88.317	CLAY CITY 6 SSE	467	1977-1990	114017	41.117	-89.367	HENRY	494	1871-1950
111743	40.133	-88.967	CLINTON 1 SSW	707	1910-1990	114092	42.180	-87.800	HIGHLAND PARK, LAKE CO.	691	1911-1915
111750	41.100	-89.200	CLEAR CREEK, PUTNAM CO.	-999	1894-1897	114108	39.150	-89.483	HILLSBORO	637	1895-1990
111767	40.033	-91.167	COATSBURG, ADAMS CO.	761	1895-1913	114198	40.467	-87.667	HOOPESTON 1 NE	717	1902-1990
111775	37.500	-89.250	COBDEN 2 S	625	1896-1976	114269	40.667	-88.933	HUDSON LK BLOOMINGTON	740	1948-1951
111820	40.423	-90.793	COLCHESTER, MCDONOUGH CO.	-999	1905-1909	114312	39.117	-87.667	HUTSONVILLE	-999	1948-1951
111825	38.667	-89.983	COLLINSVILLE	565	1948-1951	114317	39.133	-87.667	HUTSONVILLE POWER PLANT	467	1948-1990
111836	40.617	-89.250	CONGEVILLE 2 NW	618	1990-1990	114355	41.417	-91.017	ILLINOIS CITY DAM 16	556	1943-1990

STN # - STATION NUMBER, LAT - LATITUDE, LON - LONGITUDE, ELEV - ELEVATION, POR - PERIOD OF RECORD, -99.000 - UNKNOWN LATITUDE, -999.00 - UNKNOWN LONGITUDE, -999 - UNKNOWN ELEVATION

STN #	LAT	Lon	STATION NAME	ELEV	POR	STN #	LAT	Lon	STATION NAME	ELEV	POR
114442	39.733	-90.200	JACKSONVILLE 2 E	617	1887-1990	116383	37.167	-89.367	OLIVE BRANCH	438	1983-1990
114447	39.733	-90.233	JACKSONVILLE SEWAGE PL	580	1948-1970	116446	38.700	-88.067	OLNEY 2 S	487	1887-1990
114465	39.367	-88.250	JARNEYVILLE	705	1951-1951	116490	42.000	-89.333	OREGON	758	1893-1990
114489	39.100	-90.350	JERSEYVILLE 2 SW	637	1940-1990	116492	42.017	-89.333	OREGON WATERWORKS	704	1948-1956
114530	41.500	-88.100	JOLIET BRANDON ROAD DAM	547	1941-1990	116509	41.683	-88.352	OSWEGO, KENDALL CO.	600	1895-1898
114535	41.550	-88.083	JOLIET	555	1887-1974	116526	41.350	-88.850	OTTAWA	538	1856-1990
114593	41.083	-87.917	KANKAKEE 3 SW	635	1911-1973	116558	39.000	-87.617	PALESTINE	524	1882-1990
114598	41.133	-87.933	KANKAKEE 4 NW	636	1941-1960	116579	39.383	-89.083	PANA	707	1882-1913
114603	41.133	-87.883	KANKAKEE WTR POLL CTL	647	1948-1990	116605	39.633	-87.700	PARIS 1 N	737	1948-1951
114629	37.983	-89.950	KASKASKIA R NAV LOCK	388	1974-1990	116610	39.633	-87.733	PARIS WW, EDGAR CO., IL.	680	1887-1987
114655	41.100	-90.950	KEITHSBURG	557	1933-1990	116616	41.500	-87.683	PARK FOREST	717	1952-1990
114710	41.250	-89.900	KEWANEE 1 E	787	1939-1990	116661	41.683	-88.983	PAW PAW	938	1912-1990
114715	41.250	-89.917	KEWANEE BAKER PARK	807	1948-1951	116663	40.383	-88.083	PAXTON	788	1987-1990
114729	40.783	-89.750	KICKAPOO	-999	1948-1950	116670	39.817	-91.250	PAYSON	737	1948-1990
114739	39.583	-89.583	KINCAID	607	1973-1990	116681	39.460	-90.628	PEARL, PIKE CO., IL.	451	1917-1933
114756	38.767	-88.850	KINMUNDOY	626	1990-1990	116706	40.617	-89.650	PEORIA LOCK AND DAM	445	1855-1951
114765	40.867	-90.800	KIRKWOOD 3 W	705	1956-1958	116711	40.667	-89.683	PEORIA WSO AP	657	1942-1988
114766	40.883	-90.750	KIRKWOOD 1 N	765	1956-1958	116725	41.333	-87.800	PEOTONE	727	1940-1990
114770	42.192	-89.133	KISHWAUKEE, DEKALB CO.	730	1897-1913	116751	41.333	-89.133	PERU	-999	1948-1950
114790	40.908	-90.282	KNOXVILLE, KNOX CO.	-999	1895-1909	116753	41.333	-89.150	PERU 2 W	627	1948-1990
114805	41.017	-89.350	LACON 2 E	608	1950-1990	116760	39.967	-89.867	PETERSBURG 3 SSW	607	1940-1988
114814	41.803	-87.870	LA GRANGE, COOK CO., IL.	645	1892-1917	116765	39.983	-89.867	PETERSBURG 2 SW	618	1988-1990
114823	40.583	-90.967	LA HARPE	707	1895-1990	116769	40.008	-88.148	PHILO, CHAMPAIGN CO.	650	1885-1915
114837	42.417	-88.050	LAKE VILLA 2 NE	848	1985-1990	116779	38.100	-89.383	PINCKNEVILLE 2 N	437	1990-1990
114879	42.100	-89.833	LANARK	877	1895-1954	116819	40.800	-88.133	PIPER CITY 3 SE	678	1940-1990
114922	41.333	-89.133	LA SALLE PERU	524	1901-1963	116833	39.617	-90.750	PITTSFIELD 3 NE	646	1948-1951
114923	41.317	-89.100	LA SALLE 1 S	467	1950-1990	116861	39.450	-90.867	PLEASANT HILL	475	1941-1976
114951	40.967	-89.633	LAWN RIDGE	834	1948-1950	116874	37.900	-89.017	PLUMFIELD	416	1990-1990
114957	38.733	-87.683	LAWRENCEVILLE	447	1967-1990	116910	40.883	-88.633	PONTIAC	650	1887-1987
114959	38.717	-87.733	LAWRENCEVILLE 3 WSW	465	1942-1966	116973	38.083	-90.117	PRAIRIE DU ROCHER 1 WSW	396	1948-1990
115036	40.350	-88.767	LE ROY	786	1935-1960	116996	41.350	-89.467	PRINCETON 1 S	705	1948-1951
115043	40.643	-88.784	LExINGTON, MC LEAN CO.	-999	1895-1898	116998	41.383	-89.483	PRINCETON	-999	1987-1990
115079	40.150	-89.367	LINCOLN	588	1888-1990	117004	40.933	-89.767	PRINCETON	747	1929-1990
115084	40.150	-89.350	LINCOLN NO 2	604	1948-1990	117014	41.667	-89.950	PROPHETSTOWN	617	1948-1951
115111	39.673	-89.845	LOAMI, SANGAMON CO.	624	1895-1912	117067	39.950	-91.400	QUINCY	607	1901-1977
115131	41.567	-88.083	LOCKPORT LOCK AND DAM	585	1948-1951	117072	39.933	-91.200	QUINCY FAA AIRPORT	766	1948-1990
115136	41.567	-88.083	LOCKPORT POWER HOUSE	587	1948-1951	117077	39.900	-91.433	QUINCY DAM 21	487	1948-1990
115216	38.767	-88.500	LOUISVILLE	457	1948-1951	117082	39.933	-91.417	QUINCY MEM. BRDG.	510	1948-1987
115272	40.533	-89.367	MACKINAW	675	1940-1990	117126	39.133	-89.117	RAMSEY	606	1990-1990
115280	40.467	-90.667	MACOMB	617	1914-1990	117150	40.317	-88.167	RANTOUL	747	1891-1990
115294	37.633	-89.233	MAKANDA 1 NW	685	1951-1976	117155	99.000	-999.000	RAUM (SOUTH DISTRICT)	-999	1898-1907
115310	41.250	-87.838	MANTENO, KANKAKEE CO.	-999	1914-1916	117157	38.167	-89.933	RED BUD 5 SE	437	1947-1990
115326	42.250	-88.600	MARENGO	827	1855-1990	117187	38.033	-88.983	REND LAKE DAM	467	1974-1990
115334	40.500	-90.383	MARIETTA	685	1948-1951	117211	41.330	-90.672	REYNOLDS, ROCK ISLAND CO.	813	1896-1898
115342	37.767	-88.900	MARION 4 NNE	486	1943-1990	117244	38.367	-89.183	RICHVIEW	545	1948-1951
115364	40.033	-88.967	MAROA 1 W	726	1948-1951	117260	42.255	-88.617	RILEY, MCHENRY CO., IL.	956	1894-1917
115372	41.333	-88.750	MARSILLES LOCK	497	1941-1990	117336	40.667	-88.183	ROBERTS 3 N	744	1912-1968
115380	39.383	-87.683	MARSHALL 1 E	587	1940-1976	117345	39.007	-87.738	ROBINSON, CRAWFORD CO.	534	1896-1911
115390	39.335	-87.883	MARTINSVILLE, CLARK CO.	-999	1894-1910	117349	41.950	-89.167	ROCHELLE 6 NW	787	1923-1978
115395	40.917	-87.728	MARTINTON, TROQUOIS CO.	-999	1896-1916	117354	41.900	-89.067	ROCHELLE	787	1978-1990
115405	38.483	-89.800	MASCOUTAH	434	1882-1954	117375	42.283	-89.083	ROCKFORD	745	1872-1957
115413	40.217	-89.717	MASON CITY 1 NW	598	1937-1990	117377	42.300	-88.983	ROCKFORD 6 ENE	888	1950-1984
115430	39.467	-88.333	MATTOON	727	1894-1990	117380	42.350	-89.050	ROCKFORD CAA AP	745	1948-1955
115493	42.283	-88.233	MC HENRY LOCK & DAM	748	1948-1990	117382	42.200	-89.100	ROCKFORD WSO AP	727	1951-1990
115498	42.317	-88.250	MC HENRY 2 S	746	1940-1960	117388	41.517	-90.567	ROCK ISLAND DAM15	574	1935-1953
115515	38.100	-88.500	MC LEANSBORO 2 ENE	487	1882-1990	117391	41.517	-90.567	ROCK ISLAND L & D 15	578	1985-1990
115539	39.167	-90.133	MEDORA	625	1942-1990	117400	39.533	-91.017	ROCKPORT	477	1948-1971
115651	41.600	-88.550	MILLBROOK	616	1966-1970	117487	37.417	-88.350	ROSICLARE	498	1968-1990
115712	40.900	-89.050	MINONK	758	1886-1990	117495	41.810	-89.950	ROUND GROVE, WHITESIDE CO	-999	1897-1900
115751	41.450	-90.500	MOLINE WSO AP	587	1926-1990	117551	40.117	-90.583	RUSHVILLE	668	1889-1990
115758	41.167	-87.667	MOMENCE	617	1990-1990	118209	39.027	-88.852	ST. ELMO, FAYETTE CO.	618	1916-1917
115768	40.917	-90.633	MONMOUTH	775	1887-1990	118260	38.050	-89.250	ST. JOHN, PERRY CO.	-999	1894-1908
115791	40.033	-88.567	MONTICELLO	634	1948-1964	118219	38.867	-88.855	ST. PETER, FAYETTE CO.	500	1899-1915
115792	40.033	-88.600	MONTICELLO 2	627	1942-1990	117603	38.933	-88.017	SAINTE MARIE	504	1948-1990
115805	39.165	-88.380	MONTROSE, EFFINGHAM CO.	-999	1911-1917	117636	38.633	-88.950	SALEM	557	1915-1990
115820	41.350	-88.433	MORRIS	498	1948-1981	117690	42.477	-90.252	SCALES MOUND, JODAVIESS C	-999	1896-1902
115825	41.450	-88.400	MORRIS 5 N	586	1911-1970	117750	38.533	-89.867	SCOTT FIELD, ST. CLAIR CO.	-999	1944-1947
115833	41.817	-89.967	MORRISON	605	1895-1990	117859	37.717	-88.183	SHAWNEETOWN NEW TOWN	358	1892-1990
115841	39.417	-89.467	MORRISONVILLE	637	1948-1990	117875	39.407	-88.802	SHELBYVILLE, SHELBY CO.	-999	1941-1942
115846	39.383	-89.400	MORRISONVILLE 4 SE	645	1895-1971	117876	39.400	-88.783	SHELBYVILLE DAM	668	1987-1989
115888	38.400	-87.750	MTCARMEL	420	1948-1990	117910	38.868	-89.090	SHOBONIER, FAYETTE CO.	-999	1900-1905
115893	38.450	-87.783	MOUNT CARMEL	470	1897-1976	117916	42.450	-89.183	SHIRLAND	748	1990-1990
115901	42.083	-89.983	MOUNT CARROLL	707	1887-1990	117952	39.917	-87.817	SIDELL	688	1916-1990
115917	39.067	-89.700	MOUNT OLIVE 1 E	697	1940-1990	117988	42.083	-87.767	SKOKIE	636	1954-1962
115927	40.017	-89.283	MOUNT PULASKI	640	1894-1987	117990	42.017	-87.717	SKOKIE N S TREAT WLS	607	1948-1951
115935	39.983	-90.767	MOUNT STERLING	727	1942-1990	118020	37.167	-88.433	SMITHLAND L AND D	368	1980-1990
115943	38.350	-88.867	MOUNT VERNON	490	1895-1987	118145	41.033	-89.433	SPARLAND	445	1952-1953
115950	39.633	-89.033	MOWEAQUA	626	1987-1990	118147	38.133	-89.717	SPARTA	527	1887-1990
115983	37.733	-89.367	MURPHYSBORO 2 SW	558	1948-1951	118179	39.833	-89.667	SPRINGFIELD WSO AP	598	1936-1990
116011	38.383	-89.333	NASHVILLE 4 NE	526	1895-1990	118184	39.800	-89.650	SPRINGFIELD WB CITY	605	1879-1955
116069	41.550	-88.433	NEWARK 8 E	674	1941-1964	118189	39.767	-89.600	SPRINGFIELD 4 SE	576	1969-1973
116072	38.317	-89.883	NEW ATHENS	406	1990-1990	118278	41.817	-87.750	STICKNEY W S TREAT W		

STN #	LAT	LON	STATION NAME	ELEV	POR
118550	38.215	-89.682	TILDEN, ST. CLAIR CO.	-999	1898-1909
118604	41.267	-89.467	TISKILWA 2 SE	647	1864-1990
118630	41.083	-89.867	TOULON	777	1942-197s
118684	39.800	-88.283	TUSCOLA	658	1893-1990
118740	40.100	-88.233	URBANA	748	1902-1990
118745	40.083	-88.233	URBANA EXP FARM	748	1948-1951
118750	40.117	-88.233	URBANA ENG CAMPUS	725	1948-1963
118756	41.317	-88.983	UTICA STARVED ROCK DAM	464	1943-1990
118781	38.917	-89.133	VANDALIA 3 SW	548	1931-1990
118783	38.983	-89.167	VANDALIA FAA AIRPORT	535	1951-1973
118817	38.802	-89.088	VERNON, MARION CO., IL.	500	1906-1908
118860	39.517	-89.767	VIRDEN 1 N	688	1941-1990
118870	39.950	-90.217	VIRGINIA	626	1963-1990
118916	41.567	-89.583	WALNUT	698	1892-1990
118932	38.217	-89.033	WALTONVILLE	457	1990-1990
118976	40.350	-91.433	WARSAW	494	1905-1962
118990	40.700	-89.417	WASHINGTON 1 WSW	736	1948-1951
119002	38.333	-90.150	WAERLOO	657	1911-1990
119010	41.767	-88.750	WATERMAN 1 ESE	798	1943-1951
119021	40.783	-87.767	WATSEKA 2 NW	627	1885-1990
119029	42.350	-87.883	WAUKEGAN	707	1923-1990
119030	42.367	-87.817	WAUKEGAN 2	658	1986-1990
119034	39.595	-89.952	WAVERLY, MORGAN CO.	674	1934-1945
119040	38.350	-88.583	WAYNE CITY 1 N	447	1948-1988
119060	40.538	-87.677	WELLINGTON, IROQUOIS CO.	-999	1901-1902
119090	41.067	-89.067	WENONA	696	1948-1951
119140	37.900	-88.800	WEST FRANKFORT 8 E	485	1941-1951
119148	37.900	-88.800	WEST FRANKFORT LAKE	448	1990-1990
119221	41.817	-88.067	WHEATON 3 SE	686	1858-1990
119241	39.433	-90.383	WHITE HALL 1 E	584	1854-1990
119274	38.600	-88.317	WILCOX	467	1948-1977
119331	39.630	-90.453	WINCHESTER, SCOTT CO.	700	1897-1906
119354	39.433	-88.600	WINDSOR	698	1885-1990
119411	42.267	-89.250	WINNEBAGO, WINNEBAGO CO.	900	1857-1914
119816	40.783	-90.017	YATES CITY	688	1950-1951
119822	41.640	-88.448	YORKVILLE, KENDALL CO.	600	1880-1915
119854	42.450	-87.837	ZION, LAKE CO., IL.	842	1894-1912

STN # - STATION NUMBER, LAT - LATITUDE, LON - LONGITUDE, ELEV - ELEVATION, POR - PERIOD OF RECORD, -99.000 - UNKNOWN LATITUDE, -999.00 - UNKNOWN LONGITUDE, -999 - UNKNOWN ELEVATION

INDIANA

STN #	LAT	LONG	STATION NAME	ELEV	POR	STN #	LAT	LONG	STATION NAME	ELEV	POR
120076	41.400	-85.333	ALBION 5 E	986	1916-1972	123547	39.333	-85.450	GREENSBURG 2 E	948	1882-1990
120132	39.583	-85.167	ALPINE 2 NE	855	1948-1969	123639	41.383	-86.585	HAMLET, STARKE CO.	696	1926-1931
120172	40.083	-85.617	ANDERSON MOUNDS ST PK	866	1948-1951	123650	41.630	-87.505	HAMMOND, LAKE CO.	598	1891-1919
120177	40.100	-85.717	ANDERSON SEWAGE PLANT	857	1948-1990	123777	40.467	-85.450	HARTFORD CITY 4 NW	936	1948-1990
120182	40.100	-85.683	ANDERSON WATERWORKS	874	1895-1990	123863	38.500	-87.533	HAZELTON GRAVEL PLANT	404	1935-1949
120200	41.633	-84.983	ANGOLA	1017	1884-1990	123881	40.467	-84.850	HECTOR, JAY CO.	-999	1898-1905
120325	40.283	-87.250	ATTICA	522	1911-1951	123915	38.567	-85.767	HENRYVILLE STATE FOREST	597	1912-1970
120334	41.333	-85.050	AUBURN 2 SSE	886	1896-1988	123960	39.267	-86.350	HICKORY HILL, BROWN CO.	931	1912-1939
120482	39.283	-85.217	BATESVILLE WATER WORKS	977	1948-1969	124008	41.533	-87.250	HOBART, LAKE CO., IN.	600	1919-1987
120545	38.850	-86.500	BEDFORD	677	1893-1978	124023	38.250	-87.033	HOLLAND, DUBOIS CO.	500	1902-1907
120550	38.833	-86.533	BEDFORD 4 SW	558	1947-1990	124113	41.717	-85.417	HOWE	885	1905-1953
120676	40.667	-84.950	BERNE	864	1910-1990	124168	38.267	-86.950	HUNTINGBURG AIR PORT	524	1882-1957
120704	38.767	-87.317	BICKNELL	484	1948-1948	124176	40.883	-85.500	HUNTINGTON	805	1882-1979
120784	39.167	-86.517	BLOOMINGTON INDIANA U	837	1868-1990	124181	40.850	-85.500	HUNTINGTON WATERWORKS	737	1948-1990
120786	39.133	-86.617	BLOOMINGTON 5 SW	845	1951-1969	124216	39.183	-87.300	HYMERA	504	1948-1949
120822	38.540	-85.768	BLUE LICK, CLARK CO.	1000	1882-1890	124244	41.633	-87.083	INDIANA DUNES NAT LKSH	680	1889-1990
120824	40.783	-85.167	BLUFFTON	877	1895-1969	124254	39.883	-86.167	INDIANAPOLIS HOL PARK	784	1945-1949
120829	40.750	-85.183	BLUFFTON 1 N	827	1895-1971	124259	39.733	-86.267	INDIANAPOLIS AP	790	1931-1987
120830	40.800	-85.167	BLUFFTON 4 N	818	1897-1990	124264	39.767	-86.167	INDIANAPOLIS MONUMT CIR	725	1861-1964
120831	40.733	-85.167	BLUFFTON WATERWORKS	844	1949-1958	124267	39.850	-86.117	INDIANAPOLIS FALL CREEK	745	1956-1978
120852	38.033	-87.250	BOONVILLE 2 E	566	1897-1990	124269	39.767	-86.167	INDIANAPOLIS W 10 ST	-999	1948-1948
120858	40.533	-87.467	BOSWELL	772	1989-1990	124272	39.750	-86.117	INDIANAPOLIS SE SIDE	755	1951-1990
120877	39.417	-86.967	BOWLING GREEN 3 NE	697	1948-1990	124356	39.900	-86.633	JAMESTOWN 1 S	927	1953-1990
120922	39.517	-87.117	BRAZIL	687	1948-1969	124364	39.167	-87.167	JASONVILLE WATER WORKS	628	1948-1969
120975	39.217	-84.850	BRIGHT, DEARBORN CO.	-999	1896-1901	124372	38.383	-86.933	JASPER	466	1893-1990
121030	39.417	-85.017	BROOKVILLE	676	1924-1990	124382	38.283	-85.750	JEFFERSONVILLE	464	1883-1973
121147	40.483	-86.400	BURLINGTON	807	1950-1969	124407	38.267	-87.750	JOHNSON EXPERIMENT FARM	445	1936-1979
121192	39.033	-85.533	BUTLERVILLE 1 WNW	808	1983-1990	124449	40.383	-87.417	JUDWILLE, WARREN CO.	-999	1907-1916
121197	39.050	-85.550	BUTLERVILLE 2 WNW	735	1886-1951	124492	41.450	-85.250	KENDALLVILLE	1004	1948-1972
121229	39.817	-85.167	CAMBRIDGE CITY	957	1922-1990	124497	41.450	-85.250	KENDALLVILLE NO 2	988	1948-1951
121315	39.700	-86.467	CARTERSBURG	794	1945-1949	124527	40.767	-87.450	KENTLAND	697	1939-1990
121415	40.667	-86.883	CHALMERS	707	1948-1951	124550	41.083	-86.517	KEWANNA, FULTON CO., IN.	750	1977-1987
121425	38.367	-85.683	CHARLESTOWN ORD PLANT	537	1962-1990	124642	39.783	-85.533	KNIGHTSTOWN	836	1868-1990
121626	39.683	-87.417	CLINTON 2 NNW	488	1953-1969	124657	41.295	-86.620	KNOX, STARKE CO.	716	1897-1918
121719	40.917	-87.150	COLLEGEVILLE ST JOS COL	676	1864-1970	124662	40.417	-86.050	KOKOMO 7 SE	866	1875-1990
121734	41.150	-85.483	COLUMBIA CITY	896	1865-1963	124667	40.467	-86.150	KOKOMO SEWAGE PLANT	807	1948-1968
121739	41.133	-85.483	COLUMBIA CITY 1 S	858	1948-1990	124698	38.032	-86.087	LACONIA, HARRISON CO.	550	1866-1897
121747	39.200	-85.917	COLUMBUS	625	1884-1990	124715	40.350	-86.867	LAFAYETTE 5 S	605	1869-1990
121752	39.217	-85.900	COLUMBUS WATER WORKS	648	1948-1951	124729	41.650	-85.433	LAGRANGE	885	1948-1951
121772	39.667	-85.667	CONNERSVILLE, FAYETTE CO.	844	1882-1924	124730	41.650	-85.417	LAGRANGE SEWAGE PLANT	907	1948-1990
121841	40.133	-87.383	COVINGTON	597	1925-1962	124737	40.867	-85.700	LAGRO 3 NE	835	1948-1951
121843	40.117	-87.450	COVINGTON 3 SW	627	1962-1981	124782	41.500	-86.300	LAKEVILLE 1 W	848	1948-1990
121869	38.867	-86.833	CRANE NAVAL DEPOT	767	1945-1990	124837	41.600	-86.717	LA PORTE	817	1849-1990
121873	40.067	-86.933	CRAWFORDSVILLE 2 NW	758	1884-1990	124867	39.500	-85.183	LAUREL	-999	1911-1948
121877	40.050	-86.917	CRAWFORDSVILLE	755	1884-1951	124900	38.183	-86.333	LEAVENWORTH DAM 44	425	1926-1972
121882	40.050	-86.900	CRAWFORDSVILLE PWR PL	688	1948-1981	124908	40.067	-86.467	LEBANON WATERWORKS	956	1948-1969
121938	41.415	-87.362	CROWN POINT, LAKE CO.	702	1916-1918	124973	39.800	-85.350	LEWISVILLE	1077	1948-1951
121952	41.167	-86.467	CULVER EXPERIMENT FARM	737	1958-1975	125050	39.583	-84.917	LIBERTY 3 SSE	996	1961-1990
121998	37.833	-87.667	CYPRUSS DAM 48	374	1934-1978	125080	41.722	-85.423	LIMA, LAGRANGE CO.	-999	1905-1909
122096	40.850	-84.933	DECATUR 1 N	796	1934-1990	125117	40.750	-86.383	LOGANS PORT CICO TT ST BR	606	1854-1940
122106	38.517	-87.517	DECKER	464	1914-1951	125122	40.750	-86.350	LOGANSPORT RADIO	630	1955-1987
122122	38.052	-87.255	DEGONIA SPRINGS, WARRICK C	329	1882-1895	125174	41.283	-87.417	LOWELL	677	1963-1990
122149	40.617	-86.667	DELPHI 3 NNE	566	1885-1990	125212	38.250	-87.300	LYNNVILLE 3 N	547	1948-1951
122309	38.450	-86.700	DUBOIS S IND FORAGE FRM	696	1955-1990	125217	39.967	-86.050	LYNWOODFARMS	747	1976-1988
122549	38.800	-87.233	EDWARDS PORT POWER PLANT	467	1923-1983	125237	38.733	-85.400	MADISON SEWAGE PLANT	465	1893-1990
122554	38.283	-85.900	EDWARDSVILLE, FLOYD CO.	901	1894-1903	125322	38.367	-86.350	MARENGO	576	1882-1969
122589	41.683	-85.967	ELKHART	747	1902-1978	125337	40.567	-85.667	MARION 2 N	797	1885-1990
122605	39.033	-86.933	ELLIESTON	597	1914-1990	125342	40.567	-85.667	MARION DISPOSAL PLANT	-999	1948-1953
122638	40.267	-85.850	ELWOOD	847	1948-1990	125381	38.783	-84.967	MARKLAND DAM 39	486	1865-1959
122645	39.533	-86.633	EMINENCE	786	1906-1969	125387	40.833	-85.300	MARKLE, HUNTINGTON CO.,	814	1893-1911
122660	38.283	-86.467	ENGLISH	517	1969-1990	125407	39.400	-86.450	MARTINSVILLE	610	1923-1987
122673	41.050	-87.450	ENOS 2 N	664	1948-1949	125412	39.333	-86.417	MARTINSVILLE ST FOREST	855	1948-1951
122725	38.000	-86.000	EVANS LANDING	437	1922-1978	125435	39.617	-85.333	MAUZY	1054	1881-1948
122731	37.967	-87.550	EVANSVILLE	395	1877-1990	125535	41.167	-86.900	MEDARYVILLE ST NURSEY	707	1948-1951
122738	38.050	-87.533	EVANSVILLE WSO AP	387	1948-1990	125607	41.700	-86.817	MICH CITY PHILLIPS AP	656	1959-1971
122805	40.417	-85.650	FAIRMOUNT, GRANT CO.	-999	1899-1903	125656	39.117	-85.133	MILAN WATERWORKS	995	1955-1961
122813	39.250	-87.383	FARMERSBURG	575	1899-1952	125815	40.983	-84.817	MONROEVILLE 3 ENE	785	1941-1990
122825	40.250	-85.150	FARMLAND 5 NNW	976	1882-1990	125827	39.800	-87.367	MONTEZUMA	515	1948-1951
122863	38.250	-86.783	FERDINAND STATE FOREST	-999	1948-1951	125837	40.750	-86.767	MONTECELLO	708	1883-1990
123027	41.100	-85.117	FT WAYNE DISPOSAL PLANT	747	1870-1990	125873	39.117	-85.100	MOORES HILL	984	1902-1959
123037	41.000	-85.200	FORT WAYNE WSO AP	807	1948-1990	125897	40.967	-87.450	MOROCCO WATER WORKS	665	1949-1951
123057	40.617	-87.317	FOWLER WATER WORKS	825	1948-1951	126001	37.950	-87.883	MOUNT VERNON	425	1887-1990
123062	40.617	-87.317	FOWLER	825	1927-1971	126018	40.133	-85.350	MUNCIE 4 SE	954	1863-1962
123066	40.633	-87.483	FOWLER 10 W	710	1989-1990	126020	40.200	-85.417	MUNCIE BALL STATE UNIV	947	1962-1990
123078	40.967	-86.900	FRANCESVILLE 2 SW	685	1990-1990	126023	40.183	-85.350	MUNCIE	966	1948-1990
123082	40.317	-86.500	FRANKFORD DISPOSAL PL	848	1882-1990	126056	39.200	-86.250	NASHVILLE	627	1912-1969
123087	40.283	-86.500	FRANKFORT	857	1948-1951	126131	38.933	-87.017	NEWBERRY	477	1948-1973
123095	39.517	-86.067	FRANKLIN 2 NNE	776	1882-1971	126146	37.950	-87.467	NEWBURGH ARCHAEOLOG EXCA	380	1948-1951
123104	38.867	-87.300	FREEMONTVILLE	550	1983-1990	126151	37.933	-87.367	NEWBURGH LOCK & DAM	388	1934-1990
123134	41.733	-84.950	FREMONT 1 WSW	1026	1950-1951	126164	39.933	-85.383	NEW CASTLE	974	1950-1990
123179	40.567	-86.167	GALVESTON 1 E	-999	1948-1948	126179	38.133	-87.933	NEW HARMONY	395	1871-1990
123213	41.617	-87.383	GARY								

STN #	LAT	LOX	STATION NAME	ELEV	POR	STN #	LAT	LOX	STATION NAME	ELEV	POR
126506	39.900	-85.983	OAKLAN DON GEIST RESVR	804	1948-1990	129557	40.000	-86.333	WHITESTOWN	947	1896-1990
126542	41.617	-87.183	OGDEN DUNES	617	1951-1989	129570	41.650	-87.483	WHITING	625	1909-1962
126580	38.883	-86.550	OOLITIC PURDUE EXP FARM	657	1948-1990	129605	38.800	-86.667	WILLIAMS	597	1921-1990
126625	39.133	-85.283	OSGOOD	926	1962-1968	129670	41.000	-86.650	WINAMAC 5 SW	698	1897-1990
126697	38.400	-86.117	PALMYRA	777	1948-1951	129678	40.183	-84.917	WINCHESTER AIR PORT	1115	1942-1990
126705	38.533	-86.483	PAOLI, ORANGE CO., IN.	640	1898-1986	129690	41.217	-85.817	WINONA LAKE,KOSCIUSKO co.	865	1908-1945
126710	38.533	-86.483	PAOLI	647	1948-1951	129792	39.117	-86.983	WORTHINGTON	524	1882-1949
126808	39.983	-85.767	PBNDLETON REFORMATORY	825	1947-1966	129905	40.567	-86.333	YOUNG AMERICA	804	1948-1950
126830	40.067	-87.500	PERRYSVILLE 4 WNW	628	1981-1990						
126864	40.750	-86.050	PERU WATERWORKS	646	1898-1951						
126872	38.500	-87.283	PETERSBURG 61 BRIDGE	495	1935-1990						
126989	41.333	-86.300	PLYMOUTH	808	1989-1990						
127028	41.333	-86.317	PLYMOUTH POWER SUBSTA	794	1894-1989						
127064	40.433	-84.983	PORTLAND 1 SW	-999	1948-1948						
127069	40.417	-85.000	PORTLAND 1 SW	917	1948-1990						
127079	38.167	-87.800	POSEYVILLE 1 SW	444	1948-1949						
127083	38.167	-87.783	POSEYVILLE	430	1990-1990						
127090	39.285	-87.607	PRAIRIE CREEK, VIGO CO.	-999	1899-1902						
127102	41.633	-85.200	PRAIRIE HEIGHTS	997	1973-1990						
127125	38.350	-87.583	PRINCETON 1 W	487	1882-1990						
127169	39.567	-86.867	PUTNAMVILLE 1 W	755	1948-1951						
127243	41.750	-84.867	RAY POST OFFICE	-999	1948-1950						
127298	40.933	-87.150	RENSSELAER	657	1900-1990						
127357	39.767	-84.833	RICHMOND AIR PORT	1145	1948-1965						
127362	39.850	-84.850	RICHMOND WATERWORKS	975	1852-1968						
127370	39.883	-84.883	RICHMOND WTR WKS 2 NNE	1027	1968-1990						
127421	38.950	-84.855	RISING SUN, OHIO CO.	420	1871-1884						
127477	41.067	-86.217	ROCHESTER U S FISHERIES	-999	1948-1948						
127482	41.067	-86.217	ROCHESTER	776	1904-1990						
127508	37.883	-87.048	ROCK PORT, SPENCER CO.	-999	1897-1900						
127522	39.767	-87.233	ROCKVILLE	696	1860-1990						
127547	37.933	-86.500	ROME, PERRY CO.	370	1903-1938						
127601	40.850	-86.500	ROYAL CENTER	727	1918-1951						
127646	39.600	-85.450	RUSHVILLE SEWAGE PLANT	965	1887-1990						
127722	39.433	-85.600	SAINT PAUL 2 E	-999	1948-1950						
127724	38.167	-86.800	SAINT MEINRAD	517	1959-1990						
127747	40.383	-85.000	SALAMONIA 7 W	975	1898-1976						
127755	38.617	-86.083	SALEM	806	1882-1990						
127783	38.900	-87.183	SANDBORN	468	1949-1951						
127875	38.700	-85.767	SCOTTSBURG	554	1894-1990						
127930	38.967	-85.883	SEYMOUR HIWAY GARAGE	617	1948-1951						
127935	38.983	-85.900	SEYMOUR 2 N	575	1888-1990						
127959	39.167	-87.250	SHAKAMAK STATE PARK	530	1989-1990						
127991	41.183	-87.333	SHELBY	647	1948-1951						
127999	39.517	-85.783	SHELBYVILLE SEWAGE PL	757	1889-1990						
128036	38.667	-86.800	SHOALS HIWAY 50 BRIDGE	558	1911-1990						
128187	41.700	-86.317	SOUTH BEND WSO AP	797	1862-1990						
128290	39.283	-86.767	SPENCER	557	1948-1990						
128295	39.283	-86.767	SPENCER WATER WORKS	665	1948-1951						
128302	39.840	-85.437	SPICELAND, HENRY CO.	1075	1863-1890						
128345	40.033	-85.400	SPRING PORT	-999	1948-1949						
128349	38.283	-87.250	SPURGEON 2 N	480	1962-1990						
128448	38.183	-87.833	STEWARTSVILLE, POSEY CO	-999	1926-1934						
128528	39.100	-87.417	SULLIVAN	517	1963-1976						
128546	39.238	-85.095	SUNMAN, RIPLEY CO.	1318	1883-1897						
128610	41.400	-85.733	SYRACUSE, KOSCIUSKO CO.	864	1895-1907						
128698	37.950	-86.767	TELL CITY POWER PLANT	404	1938-1990						
128723	39.350	-87.417	TERRE HAUTE 8 S	565	1875-1990						
128725	39.450	-87.300	TERRE HAUTE CAA AP	585	1948-1954						
128737	41.167	-87.333	THAYER, NEWTON CO.	-999	1926-1936						
128784	40.217	-86.117	TIPTON 5 SW	908	1989-1990						
128789	40.283	-86.067	TIPTON HIGHWAY GARAGE	875	1948-1969						
128809	41.538	-85.540	TOPEKA, LAGRANGE CO.	950	1892-1905						
128848	39.417	-86.150	TRAFALGAR	848	1989-1990						
128973	40.467	-85.450	UPLAND 1 S	925	1989-1990						
128989	38.800	-86.067	VALLONIA, JACKSON CO.	-999	1936-1941						
128999	41.517	-87.033	VALPARAISO WATERWORKS	806	1890-1990						
129040	40.117	-87.267	VEEDERSBURG	684	1893-1952						
129064	39.067	-85.250	VERSAILLES	977	1948-1977						
129069	39.083	-85.250	VERSAILLES WATER WORKS	948	1948-1951						
129080	38.750	-85.067	VEVAY	477	1865-1990						
129112	38.683	-87.517	VINCENNES	428	1883-1982						
129113	38.733	-87.500	VINCENNES 5 NE	458	1982-1990						
129117	38.700	-87.517	VINCENNES WATER WORKS	425	1948-1951						
129138	40.783	-85.800	WABASH 1 SE	738	1876-1990						
129174	39.450	-85.700	WALDRON 2 W	836	1949-1969						
129222	41.433	-86.933	WANATAH 2 WNW	746	1961-1990						
129235	41.233	-85.817	WARSAW HIGHWAY GARAGE	825	1948-1951						
129240	41.233	-85.867	WARSAW	815	1948-1990						
129253	38.667	-87.167	WASHINGTON	540	1896-1987						
129271	41.417	-85.033	WATERLOO	917	1948-1983						
129276	41.433	-85.017	WATERLOO HIWAY GARAGE	925	1948-1951						
129300	39.883	-87.050	WAVELAND	787	1948-1990						
129381	38.567	-86.617	W BADEN SPRINGS COLLEGE	526	1948-1964						
129424	40.417	-86.933	WEST LAFAYETTE FAA AP	606	1948-1989						
129427	40.417	-86.917	W LAFAYETTE PURDUE U	625	1948-1953						
129430	40.467	-87.000	WEST LAFAYETTE 6 NW	716	1901-1990						
129470	38.867	-87.233	WESTPHALIA	484	1948-1949						
129511	41.233	-87.067	WHEATFIELD 2 NNW	656	1916-1990						

STN # - STATION NUMBER, LAT - LATITUDE, LON - LONGITUDE, ELEV - ELEVATION, POR - PERIOD OF RECORD, -99.000 - UNKNOWN LATITUDE, -999.00 - UNKNOWN LONGITUDE, -999 - UNKNOWN ELEVATION



MICHIGAN

STN #	L A T	LON	STATION NAME	ELEV	POR	STN #	L A T	LON	STATION NAME	ELEV	POR
200015	42.967	-85.483	ADA KENT CO.	638	1928-1939	202094	46.017	-83.917	DE TOUR VILLAGE	607	1900-1990
200032	41.917	-84.017	ADRIAN 2 NNE	768	1878-1990	202102	42.417	-83.017	DETROIT CITY AIRPORT	637	1871-1990
200089	46.650	-88.483	ALBERTA FORD FOR CENTER	1317	1957-1990	202103	42.233	-83.333	DETROIT METRO, WSO AP	637	1958-1990
200094	42.250	-84.767	ALBTON	946	1888-1990	202104	42.233	-83.533	DETROIT WBAP WILLOW RUN	716	1950-1968
200098	44.800	-83.300	ALCONA, ALCONA CO.	730	1926-1938	202140	42.650	-84.650	DIMONDALE 1 WSW	887	1978-1990
200128	42.517	-85.833	ALLEGAN	677	1888-1990	202197	46.933	-88.783	DONKEN	-999	1950-1951
200146	43.383	-84.667	ALMA	767	1887-1990	202248	41.983	-86.083	DOWAGIAC 2 E	764	1948-1951
200159	42.917	-83.033	ALMONT	827	1978-1990	202250	41.983	-86.133	DOWAGIAC 1 W	746	1939-1990
200164	45.067	-83.567	ALPENA WSO AP	697	1873-1990	202293	46.333	-87.167	DUKES, MARQUETTE CO.	1110	1929-1942
200169	45.067	-83.433	ALPENA WW+TRTMT+PLT	597	1916-1990	202298	46.317	-84.233	DUNBAR FOREST EXP STA	608	1945-1990
200190	46.047	-88.377	ALPHA, IRON CO.	1460	1889-1932	202307	41.950	-83.650	DUNDEE, MONROE CO.	681	1900-1907
200230	42.300	-83.717	ARN ARBOR UNIV OF MICH	907	1880-1990	202329	42.912	-83.987	DURAND, SHIawassee CO.	799	1907-1927
200233	42.845	-82.883	ARMADA, MACOMB CO.	-999	1887-1922	202332	47.467	-88.167	EAGLE HARBOR COAST GD	630	1899-1972
200343	44.983	-84.167	ATLANTA 2 SW	1178	1927-1990	202381	45.150	-85.133	EAST JORDAN	596	1926-1990
200417	43.817	-83.000	BAD AXE	726	1887-1990	202393	42.700	-84.467	EAST LANSING EXP FARM	895	1864-1960
200446	43.900	-85.850	BALDWIN	847	1897-1990	202394	42.733	-84.483	EAST LANSING WB CITY	865	1948-1959
200457	42.785	-83.235	BALL MT., OAKLAND CO.	932	1889-1909	202395	42.667	-84.483	EAST LANSING 4 S	887	1957-1990
200476	42.307	-86.115	BANGOR, VAN BUREN CO.	650	1889-1935	202423	44.283	-83.500	EAST TAWAS	598	1887-1990
200485	46.883	-88.600	BARAGA 5 WNW	648	1967-1987	202437	42.517	-84.650	EATON RAPIDS	876	1906-1990
200489	46.783	-88.483	BARAGA 1 N	808	1896-1986	202445	42.017	-86.250	EAU CLAIRE 4 NE	877	1924-1990
200552	42.333	-85.183	BATTLE CREEK	938	1876-1990	202471	43.800	-84.383	EDENVILLE, MIDLAND CO.	675	1926-1938
200568	43.617	-83.867	BAY CITY	597	1887-1978	202487	43.400	-85.033	EDMORE	975	1919-1977
200631	43.883	-84.483	BEAVERTON	727	1948-1987	202488	43.467	-85.033	EDMORE 4 NNE	977	1976-1977
200632	43.883	-84.467	BEAVERTON 1 ESE	727	1978-1990	202490	43.667	-85.067	EDMORE 3 SSW	958	1977-1978
200647	46.183	-88.883	BEECHWOOD 7 WNW	1668	1949-1990	202497	44.617	-86.217	ELBERTA	606	1953-1967
200662	44.983	-85.200	BELLAIRE	637	1948-1951	202611	43.350	-85.167	ENTRICA 1 W	946	1968-1975
200710	42.133	-86.433	BENTON HARBOR AIRPORT	656	1897-1990	202626	45.750	-87.033	ESCANABA	607	1871-1990
200715	44.630	-86.233	BENZONIA, BENZIE CO.,	832	1887-1934	202631	43.650	-83.850	ESSEXVILLE	597	1978-1990
200718	46.583	-89.550	BERGLAND DAM	1306	1909-1990	202671	43.900	-85.267	EVART	1007	1937-1990
200723	42.908	-82.883	BERLIN, ST. CLAIR CO.,	-999	1897-1912	202674	46.533	-89.183	EWEN 5 E	114	1897-1955
200735	41.950	-86.417	BERRIEN SPRINGS 5 W	757	1897-1951	202737	45.683	-86.700	FAYETTE 3 SW	758	1921-1990
200745	46.483	-90.017	BESSEMER, GOGEBIC CO.	1433	1927-1938	202750	42.600	-86.150	FENNIVILLE, ALLEGAN CO.	664	1901-1935
200767	46.850	-87.800	BIG BAY SAWMILL	-999	1948-1949	202753	42.750	-83.767	FENTON 5 SW	-999	1948-1950
200770	46.800	-87.733	BIG BAY 1 S	688	1965-1990	202782	44.517	-85.350	FIFE LAKE 4 S	997	1974-1978
200779	43.700	-85.483	BIG RAPIDS WATERWORKS	936	1896-1990	202784	44.550	-85.417	FIFE LAKE 4 SW	1087	1919-1983
200787	42.548	-83.213	BIRMINGHAM, OAKLAND CO.	860	1897-1906	202833	42.443	-84.192	FITCHBURG, INGHAM CO.	977	1897-1905
200793	46.100	-85.95	BLANEY, SCHOOLCRAFT CO.	-999	1906-1910	202846	42.967	-83.750	FLINT WSO AP	781	1888-1990
200840	41.832	-83.862	BLISSFIELD, LENAWEE CO.	-999	1912-1913	202851	43.017	-83.700	FLINT 7 W	687	1948-1990
200864	43.383	-85.967	BLOOMINGDALE	738	1904-1990	202890	43.293	-83.935	FOSTERS, SAGINAW CO.	-999	1911-1919
200924	45.217	-84.800	BOYNE FALLS ST NURSERY	834	1949-1963	202984	44.650	-86.200	FRANKFORT 2 NE	876	1898-1990
200925	45.167	-84.917	BOYNE FALLS	746	1961-1990	203013	44.067	-86.283	FREESOIL 4 SW	-999	1948-1951
200972	46.067	-85.167	BREVORT 6 NW	706	1953-1968	203051	42.583	-86.200	GANGES, ALLEGAN CO.	655	1901-1939
200981	43.362	-83.878	BRIDGEPORT, SAGINAW CO.	-999	1911-1920	203081	46.167	-85.300	GARNET	1024	1930-1952
201122	42.100	-85.033	BURLINGTON 3 E	967	1978-1990	203096	45.033	-84.717	GAYLORD 2 W	1358	1897-1990
201133	43.200	-83.050	BURNSIDE 1 E	785	1948-1951	203123	46.283	-85.950	GERMFASK WILDLIFE REF	714	1943-1961
201176	44.267	-85.400	CADILLAC	1306	1897-1990	203170	43.967	-84.467	GLADWIN	788	1889-1990
201213	47.167	-88.500	CALUMET CAA AP	1095	1887-1952	203176	44.933	-85.917	GLEN ARBOR 4 NE	635	1947-1958
201221	41.750	-84.767	CAMDEN, HILLSDALE CO.	1210	1897-1899	203178	44.917	-85.967	GLEN ARBOR LEBLANAU SCH	614	1948-1954
201299	43.450	-83.400	CARO STATE HOSPITAL	678	1928-1990	203199	44.567	-83.800	GLENNIE ALCONA DAM	907	1948-1951
201301	43.500	-83.400	CARO S C S	706	1950-1951	203290	43.067	-86.217	GRAND HAVEN FIRE DEPT	627	1871-1990
201331	42.260	-82.400	CARSONVILLE, SANILAC CO.	804	1896-1906	203295	43.067	-86.200	GRAND HAVEN WASTEWTR PL	607	1948-1951
201342	43.937	-83.272	CASEVILLE, HURON CO.	-999	1902-1903	203306	42.767	-84.767	GRAND LEDGE 1 NW	806	1906-1990
201352	43.250	-85.817	CASNOVIA 2 NW	918	1948-1951	203319	46.667	-85.967	GRAND MARAIS 1 SE	628	1900-1990
201361	43.583	-83.183	CASS CITY 1 SSW	717	1978-1990	203332	42.900	-85.667	GRAND RAPIDS WB AIRPORT	686	1948-1963
201364	41.908	-86.010	CASSOPOLIS, CASS CO.	900	1900-1938	203333	42.883	-85.517	GRAND RAPIDS WSO AP	717	1963-1990
201429	42.250	-85.033	CERESCO, CALHOUN CO.	888	1915-1938	203337	42.967	-85.667	GRAND RAPIDS WB CITY	645	1870-1956
201439	46.517	-87.983	CHAMPION VAN RIPER PARK	1576	1950-1990	203362	41.943	-83.469	GRAPE, MONROE CO.	625	1887-1916
201446	46.133	-88.083	CHANNING	1395	1939-1952	203379	42.253	-84.213	GRASS LAKE, JACKSON CO.	989	1905-1915
201468	45.317	-85.283	CHARLEVOIX	607	1887-1990	203391	44.650	-84.700	GRAYLING	1147	1887-1990
201476	42.550	-84.833	CHARLOTTE	906	1903-1990	203429	43.200	-85.250	GREENVILLE 2 NNE	886	1912-1990
201484	46.350	-86.933	CHATHAM EXP FARM	887	1900-1988	203434	43.217	-85.250	GREENVILLE 2 N	875	1949-1951
201486	46.333	-86.917	CHATHAM EXP FARM 2	878	1987-1990	203477	42.383	-82.900	GROSSE POINTE FARMS	618	1950-1990
201492	45.650	-84.467	CHEBOYGAN	597	1890-1990	203481	42.433	-82.883	GROSSE POINT SHORES	584	1947-1950
201497	45.650	-84.483	CHEBOYGAN POWER PLANT	616	1948-1951	203504	42.400	-85.400	GULL LAKE BIOL STA	896	1929-1990
201502	42.317	-84.017	CHELSEA 1 NE	907	1978-1990	203516	46.283	-87.450	GWINN 1 W	1117	1949-1951
201522	43.150	-84.133	CHESANING 3 SSW	648	1911-1948	203521	42.217	-86.367	HAGAR, BERRIEN CO.	650	1902-1907
201634	42.073	-83.972	CLINTON, LENAWEE CO.	830	1897-1916	203529	44.467	-83.717	HALE LOUD DAM	827	1913-1990
201675	41.950	-85.000	COLDWATER STATE SCHOOL	986	1897-1990	203531	42.450	-83.800	HAMBURG, LIVINGSTON CO.	890	1916-1925
201680	41.933	-85.017	COLDWATER WASTEWATER PL	957	1948-1951	203561	42.095	-84.557	HANOVER, JACKSON CO.	1130	1897-1903
201704	42.233	-86.317	COLOMA 3 NNW	706	1924-1951	203576	41.867	-86.633	HARBERT, BERRIEN CO.	-999	1906-1907
201744	42.177	-84.640	CORNCORD, JACKSON CO.	-999	1905-1912	203580	43.833	-82.650	HARBOR BEACH	607	1948-1951
201763	44.450	-83.467	COOKE SITE, IOSCO CO.	677	1915-1935	203585	43.867	-82.683	HARBOR BEACH 3 NW	608	1887-1987
201775	47.467	-87.867	COPPER HARBOR	620	1977-1978	203616	44.033	-84.800	HARRISON 1 NNW	1166	1887-1985
201777	47.483	-87.950	COPPER HARBOR 3 WNW	637	1979-1984	203624	44.650	-83.300	HARRISVILLE	656	1879-1983
201780	47.467	-87.867	COPPER HARBOR FT WILKNS	637	1948-1990	203627	44.617	-83.417	HARRISVILLE 7 SW	657	1965-1971
201800	45.883	-87.300	CORNELL 4 WSW	887	1951-1990	203632	43.700	-86.367	HART	688	1887-1990
201804	45.983	-87.267	CORNELL 6 NNW	916	1951-1970	203652	42.213	-86.163	HARTFORD, VAN BUREN CO.	-999	1924-1926
201831	42.290	-86.262	COVERT, VAN BUREN CO.	-999	1924-1928	203661	42.650	-85.300	HASTINGS	877	1879-1990
201848	46.583	-88.567	COVINGTON 3 NW	-999	1948-1948	203663	42.617	-85.250	HASTINGS 3 SE	807	1978-1987
201896	45.633	-85.033	CROSS VILLAGE	716	1953-1990	203698	43.933	-83.267	HAYES, HURON CO.	620	1889-1914
201901	43.273	-82.618	CROWWELL, SANILAC CO.	731	1919-1939	203744	46.667	-88.333	HERMAN, BARAGA CO.	1828	1968-1990
201922	46.167	-88.233	CRYSTAL FALLS 6 NE	1367	1948-1989	203749	45.717	-87.583	HERMANVILLE	864	1897-1953
201932	44.733	-83.783	CURRAN, ALCONA CO.	899	1939-1947	203769	43.583	-86.100	HESPERIA, NEWAYGG CO.	787	1939-1990
202015	42.317	-83.233	DEARBORN	617	1952-1990	203785	44.517	-84.750	HIGGINS LAKE	1196	1900-1978
202028	46.617	-85.617	DEER PARK STATE FOREST	675	1900-1954	203796	42.593	-83.602	HIGHLAND, OAKLAND CO.	830	1897-1921
202045	47.412	-88.197	DELAWARE, KEWEENAW CO.	-999	1939-1940	203823	41.933	-84.633	HILLSDALE	1087	1881-1990
202089	45.983	-83.917	DE TOUR	596	1948-1951	203858	42.800	-86.117	HOLLAND	617	1897-1990

STN # - STATION NUMBER, LAT - LATITUDE, LON - LONGITUDE, ELEV - ELEVATION, POR - PERIOD OF RECORD, -99.000 - UNKNOWN LATITUDE, -999.00 - UNKNOWN LONGITUDE, -999 - UNKNOWN ELEVATION

STN #	LAT	Lon	STATION NAME	ELEV	POR	STN #	L A T	Lon	STATION NAME	ELEV	POR
203908	47.167	-88.500	HOUGHTON AP,HOUGHTON CO.	1076	1900-1990	206005	45.133	-85.617	NORTHPORT 2	738	1972-1984
203914	47.117	-88.567	HOUGHTON MICH TECH	-999	1948-1950	206007	45.133	-85.650	NORTHPORT 2 W	-999	1897-1990
203932	44.317	-84.883	HOUGHTON LAKE,ROSCOMM	1147	1913-1990	206051	45.788	-84.683	NORWAY, DICKINSON CO.	816	1918-1921
203936	44.367	-84.683	HOUGHTON LAKE AP,ROSCOMM	1157	1964-1990	206020	41.883	-85.417	NOTTAWA 3 SE	867	1978-1990
203939	42.398	-85.470	HOWARD CITY, MONTCALM CO.	866	1915-1935	206158	44.917	-85.500	OLD MISSION 3 SSW	657	1894-1990
203947	42.583	-83.917	HOWELL WASTEWATER PL	928	1890-1990	206164	42.445	-84.933	OLIVET, EATON CO.	934	1887-1919
203949	42.700	-83.883	HOWELL 7 NE	925	1950-1951	206171	44.047	-83.855	OMER, ARENAC CO.	616	1888-1925
203962	44.850	-83.600	HUBBARD LAKE DAM	746	1948-1965	206184	45.433	-84.233	ONAWAY STATE PARK	696	1928-1990
203969	41.867	-84.350	HUDSON	888	1978-1990	206189	45.183	-84.200	ONAWAY 12 S	895	1900-1955
203982	46.333	-85.150	HULBERT 2 S	865	1939-1954	206210	46.867	-89.317	ONTONAGGON	706	1900-1977
203991	47.370	-87.87	HUMBOLDT, MARQUETTE CO.	1536	1896-1929	206215	46.850	-89.300	ONTONAGON	677	1948-1951
204006	46.883	-87.867	HURON MOUNTAIN	625	1949-1959	206220	46.833	-89.200	ONTONAGON 6 SE	797	1977-1990
204065	44.633	-85.767	INTERLOCHEN STATE PARK	-999	1948-1960	206253	44.430	-83.327	OSCODA, IOSCO CO.	632	1927-1938
204078	42.983	-85.050	IONIA, IONIA CO.	758	1897-1990	206281	42.457	-85.698	OTSEGO, ALLEGAN CO.	721	1915-1932
204090	45.833	-88.067	IRON MOUNTAIN WATERWKS	1068	1899-1990	206292	43.008	-84.372	OVID, CLINTON CO.	760	1897-1911
204104	46.467	-90.183	IRONWOOD, GGGEBIC CO.	1437	1901-1990	206300	43.017	-84.183	OWOSSO WASTEWATER PLANT	778	1896-1990
204127	46.483	-87.650	ISHPEMING	1447	1898-1987	206303	42.833	-83.267	OXFORD	1068	1978-1990
204130	48.000	-88.900	ISLE ROYAL, KEWEENAW CO.	-999	1900-1912	206327	47.033	-88.667	PAINESDALE	1225	1927-1952
204135	44.600	-85.100	IVAN, KALKASKA CO.	1000	1889-1922	206353	46.633	-85.033	PARADISE	627	1947-1952
204150	42.267	-84.450	JACKSON AP. JACKSON CO.	1016	1881-1990	206371	42.025	-85.542	PARKVILLE, ST. JOSEPH CO.	870	1897-1899
204155	42.283	-84.400	JACKSON 3 N	986	1948-1951	206404	42.217	-85.900	PAW PAW	717	1887-1965
204184	43.150	-82.600	JEDDO, ST. CLAIR CO.	667	1987-1920	206405	42.217	-85.850	PAW PAW 2 E	797	1951-1952
204180	44.950	-83.495	JOHANNESBURG, OTSEGO CO.	-999	1913-1923	206438	45.567	-84.783	PELLSTON FAA AIRPORT	726	1942-1990
204239	42.300	-85.617	KALAMAZOO	907	1948-1951	206507	45.367	-84.983	PEMSKEY	617	1890-1990
204244	42.283	-85.600	KALAMAZOO STATE HOSP	956	1876-1990	206582	47.410	-88.297	PHOENIX, KEWEENAW CO.	1000	1940-1948
204257	44.733	-85.167	KALKASKA, KALKASKA CO.	1047	1939-1990	206590	44.467	-85.133	PIONEER	1437	1951-1953
204320	43.200	-85.767	KENT CITY 2 SW 8 4 6	1919-1990	206630	42.433	-85.633	PLAINWELL, ALLEGAN CO.	715	1915-1938	
204328	46.483	-88.883	KENTON, HOUGHTON CO.	1176	1940-1990	206642	42.368	-83.468	PLYMOUTH, WAYNE CO.	725	1896-1924
204394	46.250	-84.467	KINCHLOE AF BASE	780	1960-1977	206658	42.650	-83.300	PONTIAC STATE HOSPITAL	988	1887-1990
204406	46.250	-84.467	KINROSS AIR FORCE BASE	785	1953-1959	206661	44.043	-82.995	PORT AUSTIN, HURON CO.	618	1896-1925
204502	44.317	-85.200	LAKE CITY, MISSAUKEE CO.	1247	1892-1990	206680	42.983	-82.417	PORT HURON	597	1875-1990
204623	46.733	-88.450	L ANSE 2 S	776	1929-1967	206686	45.967	-85.867	PORT INLAND	616	1953-1989
204631	42.750	-84.550	LANSING 2	817	1948-1948	206690	42.867	-84.900	PORTLAND, IONIA CO.	718	1906-1920
204641	42.767	-84.600	LANSING AP. INGHAM CO.	847	1948-1990	206744	46.283	-87.467	PRINCETON POWER COMPANY	-999	1948-1949
204655	43.050	-83.333	LAPEER, LAPEER CO.	878	1897-1990	206791	46.383	-84.750	RACO US FOREST	750	1948-1953
204660	43.033	-83.283	LAPEER 2 SE	834	1948-1949	206922	43.875	-85.512	REED CITY, OSCOLA CO.	1033	1896-1921
204670	46.200	-86.98	LATHRUP, DELTA CO.	1042	1987-1904	206968	46.167	-85.250	REXTON	875	1952-1957
204755	44.887	-84.303	LEWISTON, MONTMORENCY CO.	-999	1889-1912	207068	46.067	-87.167	ROCK	948	1887-1990
204790	44.687	-83.412	LINCOLN, ALCONA CO.	785	1989-1903	207075	46.410	-89.110	ROCKLAND, ONTONAGGON CO.	1190	1897-1899
204932	44.483	-83.800	LOUD DAM, IOSCO CO.	740	1915-1938	207089	45.383	-83.833	ROGERS CITY 3 S	740	1948-1978
204939	42.933	-85.350	LOWELL 2 SE 7	6 7	1978-1990	207091	45.403	-83.917	ROGERS CITY 5W	1015	1950-1953
204944	42.933	-85.333	LOWELL	647	1906-1990	207094	45.350	-83.783	ROGERS CITY 5 SE	628	1897-1990
204954	43.900	-86.400	LUDINGTON 4 SE	697	1896-1990	207097	42.817	-83.017	ROMEO 1 N	806	1897-1973
204959	44.033	-86.517	LUDINGTON STATE PARK	607	1948-1951	207122	44.500	-84.600	ROSCOMM	1137	1889-1951
204966	44.383	-84.050	LUPTON 4 S	916	1951-1951	207134	44.433	-84.117	ROSE CITY	1006	1951-1951
204967	44.417	-84.017	LUPTON 1 S	907	1951-1990	207187	46.233	-84.600	RUDYARD	624	1948-1953
204969	44.033	-85.683	LUTHER	1035	1909-1953	207190	46.283	-84.617	RUDYARD 4 N	757	1939-1990
204995	45.850	-84.620	MACKINAC ISLAND, MACKINAC	831	1900-1938	207200	46.350	-87.133	RUSE, ALGER CO.	-999	1926-1928
205000	45.783	-84.733	MACKINAW CITY NO 2	596	1882-1972	207217	43.450	-83.967	SAGINAW CON. P. CO.	608	1955-1986
205024	41.875	-84.042	MADISON, LENAWEE CO.	760	1897-1901	207222	43.417	-83.967	SAGINAW 3	607	1897-1990
205043	44.900	-85.083	MANCERONA	1114	1896-1953	207227	43.533	-84.083	SAGINAW FAA AIRPORT	666	1948-1990
205065	44.233	-86.300	MANISTEE	678	1888-1990	207253	43.300	-84.133	SAINT CHARLES	608	1941-1990
205073	45.950	-86.250	MANISTIQUE	627	1896-1990	207274	45.850	-84.717	ST IGNACE (MACKINAC BR)	607	1887-1990
205097	44.850	-85.850	MAPLE CITY	736	1959-1990	207277	45.750	-85.500	ST JAMES BEAVER ISLAND	678	1905-1990
205148	42.722	-82.498	MARINE CITY, ST. CLAIR CO.	-999	1903-1905	207280	43.017	-84.550	SAINT JOHNS	760	1887-1990
205178	46.550	-87.383	MARQUETTE	677	1871-1990	207286	42.100	-86.517	ST. JOSEPH, BERRIEN CO.	593	1976-1940
205184	46.533	-87.550	MARQUETTE WSO	1427	1959-1990	207350	43.417	-82.833	SANDUSKY	776	1909-1990
205216	46.767	-89.083	MASS	1065	1948-1954	207358	42.930	-85.215	SARANAC, IONIA CO.	639	1879-1939
205254	43.350	-85.050	MC BRIDES	966	1939-1968	207366	46.467	-84.367	SAULT STE MARIE WSO	727	1836-1990
205381	45.107	-87.613	MENOMINEE, MENOMINEE CO.	581	1899-1926	207405	43.967	-86.267	SCOTTVILLE 1 NE	686	1919-1978
205403	46.533	-88.117	MICHIGAMME	1574	1939-1949	207413	43.883	-85.183	SEARS 2S	1024	1948-1951
205434	43.617	-84.217	MIDLAND	647	1896-1990	207419	43.733	-83.450	SEBEWAING MICH SUGAR CO	607	1941-1990
205436	43.600	-84.233	MIDLAND 2	657	1896-1970	207424	43.717	-83.450	SEBEWAING	616	1948-1951
205450	42.067	-83.617	MILAN 4 ESE	670	1984-1990	207426	44.033	-84.367	SECORD TWP. DAM, GLADWIN CO	745	1926-1938
205452	42.583	-83.700	MILFORD GM PROVING GRND	997	1928-1990	207515	46.283	-85.950	SENEY NATL WLR	716	1912-1990
205488	43.233	-83.567	MILLINGTON 3 SW	766	1887-1990	207557	46.483	-88.717	SIDNAW, HOUGHTON CO.	1330	1896-1940
205531	44.667	-84.133	MIO HYDRO PLANT	966	1887-1990	207590	43.192	-85.938	SLOCUM, MUSKEGON CO.	-999	1902-1907
205558	41.917	-83.400	MONROE	597	1917-1990	207640	42.033	-86.400	SODUS, BERRIEN CO.	647	1924-1926
205567	43.467	-86.417	MONTAGUE 4 NW	657	1902-1990	207662	42.100	-84.248	SOMERSET, HILLSDALE CO.	-999	1897-1906
205569	43.450	-86.350	MONTAGUE 2 N	676	1948-1951	207690	42.400	-86.283	SOUTH HAVEN EXP FARM	628	1895-1990
205603	41.717	-84.200	MORENCI	778	1907-1990	207742	45.683	-87.500	SPALDING	868	1953-1990
205637	48.100	-88.550	MOTT ISLAND ISLE ROYALE	626	1900-1990	207812	46.067	-88.633	STAMBAUGH 1 S	1568	1896-1990
205642	41.800	-85.750	MOTTVILLE, ST. JOSEPH CO.	920	1897-1900	207820	44.000	-83.967	STANDISH 1 N	618	1938-1990
205650	42.600	-82.817	MOUNT CLEMENS AF BASE	588	1896-1990	207826	43.295	-85.080	STANTON, MONTCALM CO.	880	1897-1912
205662	43.583	-84.767	MT PLEASANT UNIVERSITY	806	1887-1990	207832	43.583	-85.500	STANWOOD, MECOSTA CO.	832	1915-1938
205690	46.400	-86.650	MUNISING	627	1896-1990	207867	45.417	-87.717	STEPHENSON 6 W	718	1939-1990
205698	42.333	-84.317	MUNITH 5 SW	958	1978-1984	207880	46.183	-86.467	STRUBEN	747	1939-1989
205712	43.167	-86.233	MUSKEGON WSO AP	637	1896-1990	207932	44.250	-86.383	STRONACH, MANISTEE CO.	949	1915-1935
205800	43.417	-85.800	NEWAYGO	707	1975-1978	208032	45.017	-85.700	SUTTONS BAY 4 NW	866	1939-1971
205801	43.417	-85.783	NEWAYGO 2	758	1948-1984	208034	45.117	-85.617	SUTTONS BAY 10 N	726	1969-1972
205803	43.483	-85.633	NEWAYGO HARDY DAN	766	1907-1974	208043	46.600	-85.233	TA		

STN #	L A T	L O N	STATION NAME	ELEV	POR
208402	43.210	-82.983	VALLEY CENTER, SANILAC CO	803	1897-1899
208411	41.917	-85.913	VANDALIA, CASS CO.	884	1897-1900
208417	45.167	-84.450	VANDERBILT 11 ENE	937	1913-1990
208422	45.780	-86.550	VAN'S HARBOR, DELTA CO.	-999	1902-1904
208434	43.372	-83.585	VASSAR, TUSCOLA CO.	641	1897-1920
208468	43.400	-84.917	VESTABURG	928	1978-1990
208506	46.667	-89.233	VICTORIA, ONTONAGON CO.	1236	1909-1924
208559	46.483	-89.917	WAKEFIELD	1546	1948-1951
208650	42.750	-83.050	WASHINGTON 2 NNW	838	1974-1987
208680	46.283	-89.167	WATERSMEET	1617	1909-1990
208703	46.533	-88.583	WATTON 1 E	-999	1948-1949
208725	42.267	-83.350	WAYNE	635	1897-1956
208746	42.950	-84.950	WEBBER DAM, IONIA CO.	663	1913-1939
208751	42.667	-84.183	WEBBERVILLE, INGHAM CO.	884	1902-1910
208772	44.250	-85.950	WELLSTON TIPPY DAM	656	1917-1990
208800	44.267	-84.233	WEST BRANCH	898	1900-1990
208851	46.380	-86.620	WETMORE, ALGER CO.	878	1897-1910
208887	43.552	-85.772	WHITE CLOUD, NEWAYGO CO.	873	1897-1903
208890	43.700	-85.700	WHITE CLOUD	970	1988-1990
208920	46.767	-84.967	WHITEFISH POINT	618	1900-1990
208950	41.783	-85.583	WHITE PIGEON 3 ENE	817	1978-1987
208955	46.750	-89.567	WHITE PINE MINE	894	1947-1955
209006	42.683	-84.300	WILLIAMSTON	898	1898-1990
209014	42.083	-83.583	WILLIS 5 SSW	668	1945-1983
209065	46.883	-88.850	WINONA 3 NE	-999	1949-1950
209105	45.283	-84.617	WOLVERINE STATE FOREST	774	1928-1949
209188	43.150	-82.800	YALE 1 NNE	827	1926-1990
209218	42.250	-83.617	YPSILANTI E. MICH UNIV	787	1876-1988

STN # - STATION NUMBER, LAT - LATITUDE, LON - LONGITUDE, ELEV - ELEVATION, POR - PERIOD OF RECORD, -99.000 - UNKNOWN LATITUDE, -999.00 - UNKNOWN LONGITUDE, -999 - UNKNOWN ELEVATION

**MINN'ESOTA**

STN #	LAT	LONG	STATION NAME	ELEV	POR	STN #	LAT	LONG	STATION NAME	ELEV	POR
210018	47.300	-96.517	ADA	914	1892-1990	212904	46.183	-94.367	FORT RIPLEY	1157	1888-1990
210050	48.300	-95.983	AGASSIZ REFUGE	1146	1961-1990	212916	47.583	-95.733	FOSSTON	1318	1909-1990
210059	46.533	-93.717	AITKIN	1228	1948-1990	212964	46.733	-95.717	FRAZEE	1386	1948-1951
210075	43.650	-93.350	ALBERT LEA	1238	1885-1990	213076	44.550	-94.217	GAYLORD	1025	1956-1990
210080	43.667	-93.300	ALBERT LEA 3 E	1236	1948-1951	213104	47.083	-96.783	GEORGETOWN 1 E	898	1962-1990
210096	46.967	-92.583	ALBORN	1324	1948-1952	213169	44.770	-94.147	GLENCOE, MCLEOD CO.	1006	1893-1921
210112	45.867	-95.383	ALEXANDRIA FAA AP	1428	1886-1990	213174	45.667	-95.417	GLENWOOD 2 WNW	1207	1948-1990
210128	47.533	-92.117	ALLEN	1495	1948-1952	213206	47.733	-95.517	GONVICK 2 W	1447	1921-1990
210157	43.883	-94.150	AMBOY	1068	1905-1951	213282	47.733	-90.350	GRAND MARAIS	617	1894-1990
210195	48.100	-96.700	ANGUS 1 N	877	1902-1975	213290	43.700	-92.567	GRAND MEADOW	1356	1886-1990
210252	48.333	-96.733	ARGYLE 4 E	876	1887-1990	213293	48.000	-89.583	GRAND PORTAGE 5 NE	637	1973-1975
210287	45.367	-96.133	ARTICHOKE LAKE	1084	1917-1990	213296	47.967	-89.683	GRAND PORTAGE R S	738	1950-1990
210317	46.250	-95.767	ASHBY, GRANT CO.	1293	1892-1906	213303	47.233	-93.500	GRAND RAPIDS NC SCHOOL	1318	1915-1990
210355	43.617	-93.000	AUSTIN 3 S	1227	1937-1990	213307	45.637	-93.443	GRANDY, ISANTI CO.	930	1917-1919
210390	47.683	-91.917	BABBITT 2 SE	1624	1943-1986	213311	44.817	-95.550	GRANITE FALLS POWER PL	896	1948-1951
210432	47.525	-95.397	BAGLEY. CLEARWATER CO.	1446	1906-1941	213397	48.302	-95.617	GRYGLA, MARSHALL CO.	1178	1921-1924
210515	48.717	-94.617	BAUDETTE	1085	1909-1990	213411	46.417	-94.350	GULL LAKE DAM	1225	1911-1990
210520	48.417	-94.567	BAUDETTE 21 SSE	1188	1963-1990	213417	48.167	-90.883	GWFLINT LAKE 10 NW	1447	1951-1990
210541	45.550	-96.717	BEARDSLEY	1095	1893-1973	213419	48.083	-90.750	GWFLINT LODGE	1584	1948-1951
210546	47.337	-95.807	BEAULIEU, MAHONOMEN CO.	1200	1901-1912	213455	48.767	-96.950	HALLOCK	827	1899-1990
210559	44.150	-92.017	BEAVER	724	1948-1989	213463	47.350	-96.833	HALSTAD	857	1905-1990
210628	44.622	-93.763	BELLE PLAINE, SCOTT CO.	800	1896-1896	213520	43.550	-92.000	HARMONY	1346	1948-1990
210643	47.500	-94.933	BEMIDJI AIRPORT	1385	1897-1990	213562	44.767	-92.867	HASTINGS LOCK 2	-999	1948-1950
210667	45.317	-95.600	BENSON	1045	1952-1990	213567	44.767	-92.867	HASTINGS DAN 2	705	1948-1990
210746	48.200	-93.800	BIG FALLS	1228	1930-1990	213587	46.883	-96.317	HAWLEY	1178	1948-1987
210754	47.700	-93.550	BIGFORK 5 ESE	1410	1948-1980	213708	45.800	-96.150	HERMAN	1085	1948-1957
210783	44.767	-94.900	BIRD ISLAND	1095	1885-1976	213727	47.433	-92.967	HIBBING PWR SUBSTATION	1536	1948-1981
210803	47.717	-94.567	BLACKDCKD RANGER STA	1404	1948-1953	213730	47.383	-92.850	HIBBING FAA AP	1356	1962-1990
210809	47.750	-94.517	BLACK DUCK	1400	1989-1990	213756	48.067	-95.850	HIGH LANDING 2 NW	1167	1979-1990
210826	45.867	-94.350	BLANCHARD POWER STATION	1087	1948-1985	213764	46.983	-93.600	HILL CITY RANGER STA	1224	1948-1951
210839	43.868	-93.052	BLOOMING PRAIRIE, STEELE	1286	1891-1904	213793	46.017	-92.933	HINCKLEY	1046	1905-1990
210852	43.650	-94.100	BLUE EARTH	1104	1948-1990	213795	46.017	-92.950	HINCKLEY NO. 2	1045	1951-1951
210934	46.367	-94.183	BRAINERD	1224	1948-1955	213808	43.750	-91.383	HOKAH 1 SW	708	1948-1990
210939	46.367	-94.200	BRAINERD	1187	1887-1990	213863	46.467	-92.383	HOLYOKE	1036	1948-1951
210981	43.567	-93.800	BRICELYN	1208	1948-1990	213913	47.845	-89.960	HOLVAND, COOK CO.	630	1900-1907
210989	47.267	-91.850	BRIMSON	1528	1948-1990	213921	47.583	-92.133	HOYT LAKES 5 N	1527	1958-1984
211063	45.617	-96.833	BROWNS VALLEY	997	1974-1990	213962	44.917	-94.367	HUTCHINSON 1 N	1106	1892-1990
211074	46.283	-92.500	BRWO 7 ENE	845	1990-1991	214008	48.617	-93.833	INDUS	1108	1948-1990
211107	45.183	-93.883	BUFFALO	1007	1948-1990	214026	48.567	-93.383	INT FALLS WSO AP	1188	1922-1990
211198	43.567	-91.450	CALEDNIGNIA 5 SE	1188	1890-1990	214068	47.617	-91.383	ISABELLA 1 W	2015	1896-1990
211227	45.567	-93.233	CAMBRIDGE STATE HOSP	1006	1932-1990	214096	46.983	-92.233	ISLAND LAKE RESERVOIR	1375	1948-1990
211245	46.100	-96.417	CAMPBELL	978	1872-1990	214103	46.250	-93.500	ISLE 8 N	1296	1936-1990
211263	44.717	-96.283	CANBY	1246	1916-1990	214106	47.217	-95.200	ITASCA UNIV OF MINN	1497	1911-1990
211303	48.967	-96.450	CARBON 2 S	1025	1948-1990	214176	44.650	-93.617	JORDAN 1 S	937	1948-1990
211374	47.383	-94.617	CASS LAKE	1306	1906-1990	214213	48.583	-96.517	KARLSTAD	1058	1962-1990
211390	45.317	-93.283	CEDAR	918	1962-1990	214233	47.933	-94.450	KELLIHER	1398	1963-1990
211420	45.165	-93.045	CEDAR, ANOKA CO.	-999	1920-1927	214306	48.500	-92.650	KETTLE FALLS	1124	1948-1990
211426	48.700	-94.350	CENTRAL	-999	1949-1950	214410	45.017	-95.867	LAC QUI PARLE DAM	1055	1948-1953
211465	44.800	-93.583	CHASKA	727	1925-1990	214418	43.867	-91.300	LA CRESCENT DAM 7	656	1948-1990
211489	43.847	-92.185	CHAFFIELD, FILLMORE CO.	976	1913-1928	214438	44.450	-92.267	LAKE CITY	686	1897-1990
211589	48.683	-94.433	CLEMENTSON	1077	1951-1951	214441	44.105	-94.215	LAKE CRYSTAL, BLUE EARTH C	990	1907-1920
211630	46.700	-92.517	CLGQUAT	1277	1911-1990	214453	43.683	-95.183	LAKEFIELD	1518	1948-1951
211669	45.083	-94.200	COKATO	1077	1948-1990	214534	44.000	-95.950	LAKE WILSON	1677	1973-1990
211675	47.267	-93.467	COLERAINE	1324	1948-1954	214546	44.250	-95.317	LAMBERTON SW EXP STA	1147	1961-1990
211691	45.583	-94.400	COLLEGEVILLE ST JOHN U	1236	1892-1990	214563	43.717	-91.983	LANESBORO	987	1955-1990
211718	44.117	-94.817	COMPREY 4 E	1097	1948-1972	214641	44.400	-93.733	LE CENTER	1078	1948-1990
211776	47.867	-93.067	COOK 18 W	1325	1959-1990	214652	47.250	-94.217	LEECH LAKE DAM	1307	1887-1990
211812	45.233	-96.167	CORRELL	988	1948-1951	214688	47.733	-95.217	LEONARD 8 NE	1284	1948-1957
211840	47.183	-92.417	COTTON 3 E	1348	1962-1990	214711	43.510	-92.503	LE ROY, MOWER CO.	1286	1899-1900
211857	48.267	-92.467	CRANE LAKE RANGER STA	1120	1948-1977	214721	44.467	-93.917	LE SUEUR	835	1948-1951
211891	47.800	-96.617	CROOKSTON NW EXP STA	887	1889-1990	214778	45.117	-94.533	LITCHFIELD	1135	1907-1990
211979	44.053	-95.600	CURRIE, MURRAY CO.	1460	1900-1904	214793	45.983	-94.350	LITTLE FALLS 1 N	1127	1905-1990
211963	47.517	-94.017	CUT FOOT SIOUX RANGER	1304	1948-1951	214798	45.983	-94.350	LITTLE FALLS WATERWKS	1125	1948-1951
212038	44.933	-96.050	DAWSON	1065	1947-1990	214806	48.400	-93.550	LITTLEFORK RANGER STA	1184	1910-1952
212130	44.937	-93.513	DEEPHAVEN, HENNIPIN CO.	-999	1898-1904	214861	45.983	-94.850	LONG PRAIRIE	1294	1892-1990
212050	46.883	-94.367	DEEP PORTAGE	1478	1983-1990	214914	47.652	-90.675	LUTSEN, COOK CO.	1202	1896-1898
212088	45.050	-93.783	DELANO	938	1977-1990	214918	47.700	-90.667	LUTSEN 3 NNE	1308	1886-1990
212142	46.833	-95.850	DETROIT LAKES 1 NNE	1385	1895-1990	214937	43.667	-96.200	LWERNE	1507	1892-1990
212166	44.033	-92.833	DODGE CENTER	1277	1948-1951	214989	44.383	-95.892	LYND, LYON CO.	1175	1892-1929
212222	48.567	-97.150	DRAYTON N DAK 2 NE	800	1956-1966	214994	45.000	-96.167	MADISON SEWAGE PLANT	1086	1940-1990
212246	46.767	-92.083	DULUTH HARBOR STATION	616	1960-1990	215012	47.317	-95.983	MAHONOMEN 1 W	1205	1900-1990
212248	46.833	-92.183	DULUTH WSO AP	1437	1948-1990	215020	47.467	-92.983	MAHONING MINE	1584	1943-1962
212253	46.783	-92.100	DULUTH	1165	1871-1959	215073	44.150	-94.017	MANKATO	848	1984-1990
212468	44.083	-92.017	ELBA	-999	1948-1948	215088	44.167	-94.017	MANKATO	784	1885-1954
212476	45.983	-95.967	ELBOW LAKE	1218	1948-1988	215136	45.000	-93.650	MAPLE PLAIN	977	1887-1886
212486	44.133	-92.250	ELGIN	1075	1948-1990	215175	47.600	-93.683	MARCELL RANGER STN	1398	1981-1990
212500	45.300	-93.583	ELK RIVER	914	1949-1990	215204	44.467	-95.767	MARSHALL	1157	1935-1990
212559	47.900	-91.867	ELY, ST. LOUIS CO.	1470	1911-1913	215224	44.283	-92.533	MAZEPPA, WABASHA CO.	934	1896-1897
212645	47.467	-92.567	EVERETH WASTE WATER PL	1458	1986-1990	215234	47.635	-95.887	MCINTOSH, POLK CO.	-999	1907-1908
212698	43.633	-94.467	FARMONT	1195	1887-1990	215298	46.983	-92.733	MEADOWLANDS 9 S	1277	1903-1985
212721	44.300	-93.267	FARIBAULT	946	1890-1990	215325	45.667	-94.817	MELROSE	1216	1954-1990
212737											

STN #	LAT	LON	STATION NAME	ELEV	POR	STN #	LAT	LON	STATION NAME	ELEV	POR
215533	47.950	-94.217	MIZPAH, KOOCHICHING CO.	1409	1932-1939	218311	47.750	-92.283	TOWER 3 S	1467	1894-1990
215563	44.933	-95.750	MONTEVIDEO 1 SW	997	1889-1990	218323	44.233	-95.617	TRACY	1406	1887-1990
215571	44.433	-93.583	MONTGOMERY	1106	1948-1984	218332	47.950	-95.650	TRAIL 12 NNE	1166	1948-1990
215584	46.867	-96.767	MOREHEAD	-999	1948-1948	218406	47.267	-96.250	TWIN VALLEY	1004	1948-1948
215589	46.867	-96.750	MOORHEAD ST TEACH COL	944	1881-1953	218411	47.233	-96.283	TWIN VALLEY 3 SW	1088	1948-1951
215598	46.450	-92.750	MOOSE LAKE 1 SSE	1117	1898-1990	218419	47.017	-91.667	TWO HARBORS	636	1894-1990
215603	46.450	-92.767	MOOSE LAKE RANGER STA	1066	1948-1960	218429	44.283	-96.133	TYLER	1758	1916-1990
215615	45.883	-93.300	MORA	996	1904-1990	218520	44.500	-95.417	VESTA	1085	1948-1990
215638	45.583	-95.883	MORRIS WC EXP STA	1147	1885-1990	218543	47.500	-92.550	VIRGINIA	1446	1893-1987
215650	47.530	-92.620	MOUNTAIN IRON,ST.LOUIS C	-999	1900-1910	218552	44.383	-92.033	WABASHA	707	1896-1990
215660	47.532	-92.620	MOUNTAIN IRON,ST.LOUIS C	-999	1896-1910	218579	46.400	-95.150	WADENA 3 S	1357	1893-1990
215693	48.300	-95.983	MUD LAKE NATIONAL WLR	1145	1957-1961	218613	47.250	-91.700	WALES 2 E	1688	1948-1951
215819	48.100	-93.083	NETT LAKE	1357	1972-1973	218618	47.067	-94.583	WALKER AH GWAH CHING	1414	1907-1990
215912	48.353	-96.327	NEWFOLDEN, MARSHALL CO.	-999	1898-1901	218621	47.100	-94.567	WALKER RANGER STATION	1367	1948-1951
215842	45.300	-94.933	NEW LONDON	1247	1893-1990	218656	48.567	-95.633	WANNASKA 8 SE	1198	1963-1990
215853	43.892	-93.495	NEW RICHLAND, WASECA CO.	1180	1902-1919	218673	48.800	-96.783	WARREN, MARSHALL CO.	859	1893-1922
215887	44.283	-94.417	NEW ULM 2 SE	868	1864-1990	218679	48.917	-95.317	WARROAD	1076	1901-1990
215987	44.467	-93.150	NORTHFIELD 2 NNE	896	1881-1951	218692	44.067	-93.517	WASECA EXPERIMENT STN	1156	1914-1990
216007	44.167	-94.033	NORTH MANKATO	796	1954-1984	218700	48.167	-94.517	WASKISH RANGER STATION	1176	1923-1986
216148	47.833	-95.850	OKLEE	1158	1948-1990	218713	44.967	-93.850	WATERTOWN	-999	1948-1951
216152	44.783	-94.983	OLIVIA	1098	1976-1990	218763	48.600	-94.517	WAYLAND 12 NW	1130	1948-1979
216166	46.067	-93.667	ONAMIA RANGER STATION	1266	1948-1951	218808	43.750	-93.733	WELLS 1 NW	1205	1942-1990
216210	48.117	-93.100	ORR	1386	1970-1971	218822	44.155	-92.902	WEST CONCORD, DODGE CO.	1232	1909-1910
216212	48.050	-93.100	ORR 5 SW	1307	1926-1972	218907	45.800	-96.483	WHEATON	1025	1914-1990
216213	48.050	-92.833	ORR	1397	1948-1954	218939	47.283	-92.183	WHITEFACE RESERVOIR	1496	1948-1990
216224	45.300	-96.450	ORTONVILLE	986	1887-1983	218947	45.867	-96.567	WHITE ROCK DAM	1026	1948-1951
216235	45.868	-95.153	OSAKIS, DOUGLAS CO.	-999	1907-1916	218999	45.117	-95.017	WILLMAR COUNTY HWY GAR	1140	1948-1951
216276	46.417	-95.567	OTTERTAIL	986	1948-1990	219004	45.133	-95.017	WILLMAR STATE HOSPITAL	1137	1893-1990
216287	44.100	-93.233	OWATONNA	1156	1961-1990	219015	46.317	-92.843	WILLOW RIVER, PINE CO.	1048	1898-1909
216360	46.917	-95.067	PARK RAPIDS	1448	1885-1990	219033	43.867	-95.117	WINDOM	1388	1892-1990
216386	45.383	-94.733	PAYNESVILLE	1187	1970-1973	219046	43.767	-94.167	WINNEBAGO	1118	1894-1990
216405	46.583	-96.083	PELLICAN RAPIDS	1377	1948-1990	219059	47.433	-94.050	WINNIBIGOSHISH DAN	1324	1887-1990
216442	43.790	-91.828	PETERSON, FILLMORE CO.	758	1905-1905	219067	44.050	-91.633	WINONA	655	1885-1990
216479	45.817	-94.000	PIERZ, MORRISON CO.	1162	1912-1916	219072	44.083	-91.683	WINONA DAM 5 A	665	1948-1990
216505	48.000	-89.700	PIGEON RIVER BRIDGE	954	1924-1950	219077	44.033	-91.683	WINONA 3 SW	745	1948-1951
216547	46.667	-94.117	PINE RIVER DAN	1255	1887-1990	219085	44.967	-94.050	WINSTED	1037	1948-1990
216565	44.017	-96.317	PIPESTONE	1716	1892-1990	219093	44.533	-94.367	WINTHROP	-999	1948-1951
216573	45.490	-92.787	PLEASANT MOUNDS, CHISAGO	-999	1896-1904	219101	47.933	-91.767	WINTON POWER PLANT	1345	1911-1990
216612	47.250	-93.583	POKEGAMA DAN	1288	1887-1990	219166	43.617	-95.600	WORTHINGTON	1596	1891-1971
216654	43.667	-92.083	PRESTON	936	1952-1990	219170	43.650	-95.583	WORTHINGTON 2 NNE	1577	1971-1990
216777	44.400	-92.083	READS LANDING	755	1888-1955	219173	46.717	-93.067	WRIGHT 4 NW	1306	1961-1990
216780	47.877	-94.912	REDBY, BELTRAMI CO.	1158	1925-1942	219208	44.783	-93.917	YOUNG AMERICA	1026	1954-1990
216785	47.875	-95.018	RED LAKE, BELTRAMI CO.	-999	1893-1925	219231	44.283	-92.433	ZUMBRO FALLS	847	1948-1987
216787	47.883	-96.283	RED LAKE FALLS	1047	1913-1990	219235	44.283	-92.417	ZUMBRO FALLS 1 SE	1085	1948-1951
216795	47.867	-95.033	RED LAKE INDIAN AGENCY	1227	1943-1990	219249	44.300	-92.667	ZUMBROTA	994	1893-1990
216817	44.567	-92.533	RED WING	697	1885-1990	990401	44.858	-94.302	LAKESIDE, RENVILLE CO.	1040	1893-1902
216822	44.617	-92.617	RED WING DAM 3	686	1948-1990						
216835	44.550	-95.083	REDWOOD FALLS FAA AP	1036	1887-1990						
216848	47.050	-93.900	REMER	1344	1948-1956						
216849	47.050	-93.900	REMER NO 2	1356	1948-1986						
216972	46.467	-94.050	RIVERTON	1168	1948-1989						
217004	43.917	-92.500	ROCHESTER WSO AP	1308	1908-1990						
217020	45.083	-93.733	ROCKFORD	967	1978-1990						
217087	48.850	-95.767	ROSEAU 1 E	1056	1894-1990						
217107	44.717	-93.100	ROSEMOUNT AGRI EXP STA	955	1950-1990						
217149	46.483	-96.267	ROTHSAY	1217	1959-1990						
217157	45.833	-94.367	ROYALTON	1090	1986-1990						
217184	43.783	-91.750	RUSHFORD 1 SSW	738	1948-1959						
217277	43.973	-92.067	ST. CHARLES, WINONA CO.	850	1889-1923						
217294	45.550	-94.067	ST CLOUD WSO AP	1048	1887-1990						
217308	45.333	-93.367	ST FRANCIS 4 S	898	1954-1990						
217326	43.983	-94.617	ST JAMES FILTRATION PL	1088	1948-1990						
217377	44.983	-93.083	ST PAUL	928	1836-1990						
217381	45.000	-93.167	ST PAUL UNIV FARM	954	1948-1949						
217386	44.933	-93.067	ST PAUL WB AIRPORT	705	1948-1953						
217405	44.300	-93.967	ST PETER 2 SW	857	1887-1990						
217460	46.800	-93.317	SANDY LAKE DAN LIBBY	1237	189221990						
217502	45.550	-93.767	SANTIAGO 3 E	1026	1959-1990						
217514	45.733	-94.952	SAUK CENTRE, STEARNS CO.	1244	1896-1898						
217573	44.797	-93.525	SHAKOPEE, SCOTT CO.	745	1893-1909						
217602	43.633	-94.783	SHERBURN 3 WSW	1327	1948-1951						
217657	47.650	-93.033	SIDE LAKE RANGER STA	1504	1948-1951						
217740	43.900	-95.883	SLAYTON 9 SW	1586	1956-1973						
217907	44.250	-94.983	SPRINGFIELD 1 NW	1076	1948-1990						
217915	43.567	-91.667	SPRING GROVE 1 NW	1318	1935-1990						
217941	43.683	-92.417	SPRING VALLEY	1287	1948-1951						
218011	47.400	-92.400	STEPHENS MINE,ST.LOUIS C	1500	1906-1914						
218025	44.650	-94.517	STEWART 6 SSW	1046	1957-1990						
218037	45.033	-92.783	STILLWATER 1 SE	716	1905-1990						
218187	46.633	-93.133	TAMARACK	1275	1959-1961						
218191	46.967	-95.650	T AMARAC WILDLIFE REF	1488	1977-1990						
218204	45.417	-92.650	TAYLORS FALLS 1 NE	764	1906-1949						
218227	44.300	-92.200	THELLMAN	737	1948-1990						
218235	48.483	-95.950	THIEF LAKE REFUGE	1147	1948-1951						
218243	48.067	-96.183	THIEF RIVER FALLS	1137	1899-1972						
218247	48.183	-96.167	THIEF RIVER FALLS	1138	1899-1990						
218254	48.217	-95.250	THORHULT 1 S	1197	1948-1990						
218280	47.567	-90.867	TOFTE RANGER STATION	-999	1948-1951						
218290	44.937	-93.513	TONKA, HENNEPIN CO.	936	1886-1908						

STN # - STATION NUMBER, LAT - LATITUDE, LON - LONGITUDE, ELEV - ELEVATION, POR - PERIOD OF RECORD, -99.000 - UNKNOWN LATITUDE, -999.00 - UNKNOWN LONGITUDE, -999 - UNKNOWN ELEVATION

# NEW YORK

STN #	LAT	LOX	STATION NAME	ELEV	POR	STN #	LAT	LOX	STATION NAME	ELEV	POR
300015	43.900	-76.067	ADAMS CENTER	404	1872-1950	300937	43.250	-77.967	BRGCKPORT 2 NW	415	1890-1990
300018	43.817	-76.017	ADAMS	646	1872-1972	300950	42.817	-75.317	BROOKFIELD	1350	1890-1896
300023	42.100	-77.233	ADDISON	994	1890-1990	300981	44.217	-75.067	BROWNS FALLS	1107	1978-1980
300028	42.100	-77.233	ADDISON 1 NNE	1238	1986-1988	300985	41.950	-74.217	BROW STATION	544	1940-1952
300030	43.688	-73.740	ADIRONACK LODGE	-999	1901-1902	301012	42.933	-78.733	BUFFALO WFSO AP	716	1832-1966
300035	43.022	-78.498	AKRON	765	1890-1906	301032	42.417	-76.833	BURDETT 1 NE	1034	1932-1967
300040	43.097	-78.385	ALABAMA	-999	1890-1891	301052	42.800	-74.250	BURTONSVILLE	585	1922-1966
300042	42.750	-73.800	ALBANY WSO AP	287	1938-1990	301065	42.167	-74.400	BUSHNELLSVILLE 1 NE	152	1948-1959
300047	42.650	-73.750	ALBANY	97	1826-1970	301079	41.917	-74.667	BUTTERNUT BROOK	184	1948-1959
300055	43.283	-78.167	ALBION 2 NE	517	1939-1990	301093	42.317	-74.017	CAIRO	304	1924-1963
300063	42.467	-73.933	ALCOVE DAM	607	1943-1990	301095	42.333	-74.050	CAIRO 1 NW	477	1979-1990
300070	42.900	-78.500	ALDEN	860	1898-1905	301101	41.767	-75.050	CALLICOON	800	1949-1966
300077	44.333	-75.917	ALEXANDRIA BAY 1 SW	267	1932-1972	301106	43.017	-73.383	CAMBRIDGE (WASH. ACAD.)	480	1827-1839
300085	42.250	-77.783	ALFRID	1746	1852-1990	301110	43.367	-75.783	CAMDEN 2 NW	516	1948-1990
300090	42.093	-78.500	ALLEGANY	1440	1907-1916	301136	42.417	-73.400	CANAAN 2 E	1187	1973-1981
300093	42.100	-78.750	ALLEGANY STATE PARK	1504	1924-1990	301138	43.250	-74.517	CANADA LAKE 5 N	1566	1961-1976
300136	41.783	-73.750	AMAWALK	384	1948-1961	301144	42.917	-74.583	CANAJOHARIE	307	1897-1976
300159	42.917	-74.133	AMSTERDAM LOCK 10	284	1902-1959	301152	42.850	-77.283	CANANDAIGUA 3 S	727	1829-1990
300167	42.200	-74.783	ANDES	1605	1948-1959	301156	42.467	-77.783	CANASERAGA 4 W	1260	1954-1974
300175	42.150	-77.800	ANDOVER	1674	1922-1948	301160	43.083	-75.767	CANASTOTA	416	1932-1983
300183	42.300	-78.017	ANGELICA	1424	1856-1990	301168	42.233	-76.333	CANDOR	904	1948-1990
300200	43.327	-78.650	APPLETON	300	1894-1923	301170	42.383	-78.183	CANEADEA DAM	1480	1929-1939
300220	42.533	-78.417	ARCADE	1496	1889-1990	301173	42.283	-77.617	CANISTEO	1167	1949-1990
300228	41.400	-73.933	ARDENIA	157	1856-1890	301185	44.667	-75.117	CANTON 4 SE	415	1855-1990
300237	42.100	-74.717	ARENA	1456	1948-1970	301190	44.125	-76.337	CAPE VINCENT	256	1904-1925
300240	43.233	-73.500	ARGYLE	290	1873-1882	301207	41.417	-73.700	CARMEL 1 SW	496	1888-1984
300242	43.250	-74.517	ARIETTA	1708	1978-1978	301220	43.617	-73.300	CARVERS FALLS	243	1898-1912
300246	42.400	-77.717	ARKPORT	1624	1948-1950	301260	42.233	-73.867	CATSKILL 1 N	256	1896-1977
300254	42.133	-74.650	ARKVILLE 2 W	1335	1948-1990	301265	42.950	-76.733	CAYUGA LOCK 1	384	1931-1990
300268	42.267	-76.650	ARNOT SCS	1924	1948-1951	301272	42.917	-75.867	CAZENOVIA	1254	1830-1951
300280	42.557	-77.472	ATLANTA	1200	1890-1907	301280	42.517	-73.783	CEDAR HILL	-999	1897-1902
300300	42.267	-73.833	ATHENS	170	1901-1919	301291	42.933	-75.117	CEDARVILLE 1 N	1265	1953-1955
300321	42.933	-76.533	AUBURN 2 NE	778	1827-1990	301292	42.900	-75.083	CEDARVILLE 3 SE	1465	1955-1955
300331	42.733	-76.650	AURORA RESEARCH FARM	835	1827-1990	301380	43.217	-77.582	CHARLOTTE	273	1859-1871
300343	42.917	-77.750	AVON	564	1890-1990	301387	44.750	-74.217	CHASM FALLS	1066	1926-1990
300351	40.717	-73.367	BABYLON	50	1948-1959	301391	42.367	-73.600	CHATHAM	426	1854-1970
300360	42.300	-75.483	BAINBRIDGE	1028	1908-1990	301401	44.883	-73.433	CHAZY	176	1891-1990
300368	43.617	-74.033	BAKERS MILLS	1584	1948-1977	301413	42.000	-76.63	CHEMUNG	828	1939-1991
300379	43.150	-76.333	BALDWINSVILLE	384	1890-1990	301420	42.233	-75.850	CHEMUNG FORKS	-999	1892-1898
300385	42.900	-73.867	BALLSTON LAKE	-999	1904-1931	301424	42.917	-75.117	CHEPACHET	1327	1957-1990
300393	42.033	-74.600	BALSAM LAKE	2604	1948-1970	301430	42.300	-79.100	CERRY CREEK	1305	1890-1901
300412	43.367	-78.483	BARKER 4 NE	304	1942-1976	301433	42.617	-73.417	CERRY PLAIN	1404	1943-1949
300424	43.833	-74.800	BARNES CORNERS	1528	1979-1990	301434	42.633	-73.350	CERRYPLAIN 2	1105	1944-1961
300443	43.000	-78.183	BATAVIA	905	1931-1990	301436	42.817	-74.733	CERRY VALLEY 2 NNE	1364	1827-1990
300448	42.350	-77.350	BATH	1116	1953-1990	301466	42.167	-75.400	CHINA	1464	1948-1951
300452	43.100	-73.433	BATTENVILLE	396	1955-1990	301471	42.100	-75.383	CHINA 2	1245	1948-1970
300489	41.317	-74.000	BEAR MOUNTAIN WB	1304	1948-1953	301484	43.100	-77.883	CHURCHVILLE	577	1954-1976
300500	43.883	-75.433	BEAVER FALLS	744	1935-1990	301492	42.533	-75.900	CINCINNATUS	1054	1937-1990
300505	42.667	-78.383	BEAVER MEADOW	1487	1976-1981	301521	41.883	-74.600	CLARYVILLE 3 SW	1608	1948-1990
300511	41.233	-73.717	BEDFORD HILLS	434	1891-1977	301523	41.917	-74.600	CLARYVILLE 2 SW	2088	1967-1978
300540	42.117	-75.117	BEERSTON	1554	1912-1951	301541	43.233	-75.883	CLEVELAND	384	1932-1951
300580	43.783	-76.117	BELLEVILLE	300	1830-1844	301550	43.408	-75.375	CLINTON	900	1850-1865
300608	43.533	-75.950	BENNETT 5 BRIDGE	667	1941-1990	301580	43.067	-76.833	CLYDE LOCK 26	394	1918-1990
300613	42.850	-78.400	BENNINGTON	127	1990-1990	301589	42.667	-74.500	COBLESKILL	965	1948-1956
300621	40.600	-73.967	BENSONHURST	25	1950-1951	301593	42.667	-74.500	COBLESKILL 2	908	1955-1986
300630	44.215	-74.990	BENSON MINES	-999	1909-1909	301595	42.667	-74.433	COBLESKILL 2 ESE	1178	1947-1990
300641	42.617	-73.367	BERLIN 5 S	1107	1900-1990	301600	42.467	-73.800	COEYMANS	-999	1905-1906
300649	42.667	-73.333	BERLIN 2 SE	1105	1956-1956	301603	42.467	-77.500	COHGETON SCS	1464	1948-1970
300652	42.717	-73.317	BERLIN 3 ENE	1205	1956-1959	301615	42.017	-74.267	COLD BROOK	654	1948-1959
300654	42.633	-74.150	BERNE 1 NW	1068	1966-1983	301623	42.667	-78.683	COLDEN 1 N	1036	1957-1990
300655	42.650	-74.167	BERNE 2 NW	1246	1963-1966	301664	44.583	-74.950	COLTON 2 N	587	1934-1990
300658	42.583	-74.183	BERNE 5 SW	1858	1963-1990	301700	42.033	-75.800	CONKLIN	845	1953-1956
300668	43.817	-74.867	BIG MOOSE 3 E	1768	1932-1990	301708	43.317	-73.933	CONKLINGVILLE DAN	816	1924-1990
300686	42.083	-76.100	BINGHAMTON WB AIRPORT	834	1948-1951	301713	43.317	-73.917	CONKLINGVILLE DAN 2	734	1948-1961
300687	42.217	-75.983	BINGHAMTON WSO AP	1605	1951-1990	301718	43.371	-73.917	CONKLINGVILLE	808	1948-1951
300691	42.100	-75.917	BINGHAMTON	864	1890-1968	301723	44.917	-74.300	CONSTABLE 1 S	427	1965-1982
300706	44.000	-75.817	BLACK RIVER 1 SW	534	1948-1975	301725	43.567	-75.433	CONSTABLEVILLE	1260	1888-1893
300740	42.333	-74.800	BLOOMVILLE	-999	1895-1896	301728	43.250	-76.000	CONSTANTIA	386	1952-1964
300746	43.867	-74.433	BLUE MOUNTAIN LAKE 2 N	2204	1900-1951	301752	42.700	-74.917	COOPERSTOWN	1244	1854-1990
300766	42.067	-78.167	BOLLIVAR	1586	1890-1990	301761	42.100	-73.533	COPAKE	550	1988-1990
300770	43.493	-73.765	BOLTON	-999	1923-1928	301762	43.900	-75.683	COPENHAGEN	1250	1922-1928
300774	44.133	-75.383	BONAPARTE	830	1934-1943	301780	43.250	-73.817	CORINTH	540	1906-2020
300776	99.000	-999.000	BOOKHAVEN	-999	1864-1882	301787	42.117	-77.067	CORNING 2 SE	937	1931-1990
300780	43.517	-75.367	BOONVILLE 2 N	1182	1933-1966	301792	42.067	-77.050	CORNING 5 SSW	1647	1942-1986
300785	43.450	-75.350	BOONVILLE 2 SSW	1587	1893-1990	301794	42.133	-77.067	CORNING 3 NW	9486	1986-1988
300795	42.897	-75.533	BOUCKVILLE	1420	1897-1916	301799	42.600	-76.183	CORTLAND	1134	1850-1990
300799	42.267	-74.733	BOVINA	1884	1948-1959	301850	41.967	-74.867	CRAIGIE CLAIR	1405	1948-1959
300800	42.266	-74.736	BOVINA CENTER	-999	1893-1895	301896	41.267	-73.683	CROSS RIVER	246	1948-1961
300808	41.450	-73.733	BOYDS CORNERS	564	1866-1961	301904	41.350	-73.667	CROTON FALLS 1 NE	226	1948-1961
300816	42.367	-77.100	BRADFORD	1104	1948-1961	301912	41.233	-73.800	CROTON LAKE	256	1860-1961
300817	42.383	-77.117	BRADFORD 1 NW	1366	1948-1982	301949	41.017	-72.500	CUTCHOGUE	46	1899-1975
300862	40.783	-73.250	BRENTWOOD	105	1891-1951	301966	44.717	-73.717	DANNEMORA	1347	1906-1990
300870	43.233										

STN #	LAT	LO	STATION NAME	ELEV	POR	STN #	LAT	LO	STATION NAME	ELEV	POR
302045	43.267	-75.433	DELTA	564	1919-1976	303346	44.350	-75.517	GGWERNEUR 3 NW	466	1833-1990
302050	43.500	-76.317	DEMSTER	300	1890-1897	303354	42.483	-78.933	GOWANDA STATE HOSPITAL	877	1946-1990
302055	44.133	-76.067	DEPAWILLE	350	1865-1876	303360	42.783	-73.467	GRAFTON	1566	1950-1990
302060	42.067	-75.433	DEPOSIT	1000	1892-1990	303365	41.850	-74.533	G RAHAMSVILLE	967	1948-1990
302071	42.700	-79.017	DERBY 2 NW	644	1945-1961	303373	42.367	-74.483	GRAND GORGE	1364	1948-1977
302079	42.817	-75.883	DE RUYTER 4 N	1304	1903-1984	303390	43.407	-73.263	GRANVILLE	320	1835-1849
302091	40.800	-73.300	DIX HILLS	128	1987-1990	303416	43.133	-75.117	GRAVESVILLE 2 N	1125	1950-1990
302129	41.017	-73.867	DOBBS FERRY	247	1945-1990	303444	42.317	-75.767	GREENE	897	1937-1990
302137	43.083	-74.767	DOLGEVILLE	697	1921-1990	303452	43.117	-73.833	GREBNFIELD CENTER	614	1898-1955
302164	42.083	-75.000	DCWNSVILLE	1114	1948-1967	303464	41.100	-72.367	GREENPORT POWER HOUSE	25	1958-1990
302169	42.083	-74.967	DGWNSSVILLE DAM	1305	1959-1988	303480	43.090	-73.502	GREENWICH	425	1897-1913
302180	42.493	-76.298	DRYDEN	-999	1896-1899	303500	42.250	-74.558	GRIFFIN CORNERS	2260	1900-1913
302198	42.483	-79.350	DUNKIRK POWER PLANT	596	1892-1953	303507	43.233	-75.400	GRIFFISS AIR FORCE BASIE	496	1961-1990
302234	43.750	-74.767	EAGLE BAY 3 SE	1807	1953-1980	303520	42.667	-77.767	GROVELAND	585	1956-1973
302236	42.933	-73.367	EAGLE BRIDGE 2 SE	365	1955-1985	303566	42.233	-74.483	HALCOTT CENTRE	2184	1948-1951
302239	43.917	-75.200	EAGLE FALLS	1304	1925-1963	303567	42.217	-74.467	HALCOTT CENTER 2 NNE	1965	1948-1959
302250	42.733	-73.667	EAGLE MILLS	-999	1895-1898	303575	42.000	-75.383	HALE EDDY	986	1953-1962
302277	42.900	-77.433	EAST BLOOMFIELD	978	1956-1984	303602	42.817	-75.533	HAMILTON	1214	1827-1963
302282	41.400	-73.583	EAST BRANCH	466	1948-1961	303616	42.400	-77.233	HAMMONDSPORT	724	1942-1954
302291	40.933	-73.800	EASTCHESTER	124	1948-1958	303617	42.400	-77.250	HAMMONDSPORT 1 W	785	1942-1963
302302	42.283	-74.917	EAST DELHI	1374	1948-1955	303619	42.433	-77.150	HAMMONDSPORT 4 NE	1300	1932-1941
302345	99.000	-999.000	EAST HAMPTON	-999	1827-1852	303630	42.517	-77.183	HAMMONDSPORT 8 NE	1265	1963-1963
302351	42.700	-76.117	EAST HOMER	1484	1948-1951	303650	41.953	-75.283	HANCOCK	975	1905-1920
302356	42.717	-76.117	EAST HOMER 2	1564	1948-1969	303660	44.573	-73.538	HARKNESS	622	1902-1932
302362	42.250	-74.183	EAST JEWETT	1865	1948-1959	303669	42.150	-75.617	HARPURSVILLE	1284	1948-1956
302366	42.250	-74.183	EAST JEWETT	1988	1985-1990	303690	42.660	-75.048	HARTWICK	1179	1826-1850
302400	43.007	-73.583	EASTON	440	1890-1912	303714	42.017	-75.117	HARVARD	1085	1948-1959
302454	42.333	-75.233	EAST SIDNEY	1165	1950-1951	303722	42.417	-77.567	HASKINVILLE	1624	1895-1990
302506	42.650	-78.900	EDEN	837	1889-1975	303766	42.500	-76.883	HECTOR	786	1874-1990
302517	42.133	-74.233	EDGEWOOD	1664	1948-1963	303773	42.783	-77.617	HEMLOCK	904	1898-1990
302526	42.683	-75.250	EDMESTON	1184	1948-1951	303781	40.717	-73.633	HEMPSTEAD-GARDEN CITY	87	1948-1972
302540	43.083	-78.187	ELBA	750	1900-1918	303786	40.683	-73.667	HEMPSTEAD MALVERNE	44	1948-1966
302554	44.217	-73.600	ELLZABETHTOWN	585	1943-1990	303804	44.033	-75.650	HERRING	690	1934-1939
302562	42.167	-74.167	ELKA PARK	2255	1948-1959	303831	43.400	-74.533	HIGGINS BAY	1684	1948-1948
302574	44.900	-73.800	ELLENBURG DEPOT	867	1948-1990	303839	41.833	-74.133	HIGH FALLS	144	1931-1967
302582	41.717	-74.400	ELLENVILLE	356	1948-1990	303851	43.583	-75.517	HIGHMARKET	1768	1924-1990
302599	42.850	-78.633	ELMA	775	1942-1982	303856	43.583	-75.517	HIGHMARKET 1 SE	1784	1948-1951
302610	42.083	-76.783	ELMIRA 2 SE	866	1851-1990	303864	42.133	-74.483	HIGHMOUNT	1874	1948-1976
302615	42.167	-76.900	ELMIRA FAA AIRPORT	946	1938-1960	303881	43.283	-74.783	HILTON	294	1946-1959
302627	42.100	-76.067	ENDICOTT	838	1985-1990	303889	43.317	-75.117	HINCKLEY	1196	1918-1990
302666	43.017	-74.533	EPHRATAH	784	1948-1960	303916	43.383	-74.733	HOFFMEISTER 3 W	1726	1906-1965
302683	42.767	-74.250	ESPERANCE	635	1955-1962	303919	40.833	-73.083	HOLBROOK	87	1972-1979
302720	43.150	-74.900	FAIRFIELD	1467	1828-1981	303953	41.750	-74.383	HONK FALLS	434	1931-1952
302760	40.750	-73.433	FARMINGDALE 2 NE	84	1931-1956	303957	42.950	-77.600	HONEYE FALLS	676	1954-1974
302770	44.250	-74.517	FAUST	-999	1904-1913	303959	41.850	-73.683	HONEYMEAD BROOK	440	1884-1904
302780	43.033	-76.000	FAYETTEVILLE	530	1897-1920	303961	43.750	-75.733	HOOKER 4 N	1764	1935-1986
302819	41.517	-73.983	FISHKILL LANDING	42	1856-1866	303965	42.900	-73.350	HOOSICK FALLS	430	1903-1922
302829	41.967	-75.183	FISHS EDDY	976	1953-1990	303970	43.300	-74.250	HOPE	1037	1932-1990
302850	42.833	-76.568	FLEMING	1000	1890-1900	303983	42.350	-77.700	HORNELL ALMOND DAM	1335	1950-1990
302852	40.617	-73.967	FLATBUSH	40	1826-1873	304024	42.250	-73.783	HUDSON	325	1947-1956
302872	40.767	-73.867	FLUSHING	60	1875-1939	304025	42.250	-73.800	HUDSON STATE SCHOOL	66	1957-1990
302888	42.967	-74.417	FONDA	454	1949-1949	304040	42.217	-78.503	HUMPHREY	1950	1883-1902
302912	40.900	-73.833	FORDHAM	142	1856-1872	304045	42.535	-77.967	HUNT	1150	1898-1920
302917	43.433	-75.217	FORESTPORT	1154	1934-1978	304052	42.200	-74.217	HUNTER MT	166	1963-1964
302934	44.033	-75.767	FORT DRUM	637	1975-1985	304070	42.433	-76.117	HUNTS CORNERS	1387	1948-1951
302940	43.252	-79.050	FORT NIAGARA	263	1843-1912	304090	43.013	-75.037	ILION	-999	1889-1890
302953	42.933	-74.617	FORT PLAIN	316	1904-1951	304102	43.750	-74.283	INDIAN LAKE 2 SW	1665	1899-1990
302956	42.967	-74.667	FORT PLAIN WB AIRPORT	704	1948-1948	304105	43.978	-75.388	INDIAN RIVER	-999	1926-1933
302964	40.800	-73.800	FORT SCHUYLER	65	1948-1959	304111	43.067	-74.767	INGHAMS	584	1948-1960
303010	43.067	-75.117	FRANKFORT LOCK 19	417	1922-1990	304130	40.783	-73.100	ISLIP FCMWS	84	1986-1990
303020	42.333	-75.200	FRANKLIN	1340	1937-1942	304174	42.450	-76.450	ITHACA CORNELL UNIV	966	1828-1990
303025	42.333	-78.467	FRANKLINVILLE 1 SSW	1587	1896-1990	304182	43.017	-74.917	JACKSONBURG	394	1922-1963
303033	42.450	-79.300	FREDONIA	768	1830-1990	304206	42.100	-79.250	JAMESTOWN	1395	1850-1960
303038	42.367	-74.067	FREEHOLD 2 NW	456	1963-1978	304207	42.133	-79.200	JAMESTOWN 4 NE	1258	1850-1990
303042	40.667	-73.600	FREEPORT	24	1948-1961	304208	42.117	-79.233	JAMESTOWN WATER WORKS	1396	1962-1974
303050	42.517	-76.333	FREENVILLE 1 NE	1084	1948-1990	304220	44.433	-73.680	JAY	-999	1900-1901
303065	42.133	-78.233	FRIENDSHIP 7 SW	1646	1867-1990	304234	41.783	-74.933	JEFFERSONVILLE	1080	1903-1947
303069	42.167	-78.200	FRIENDSHIP 4 SW	2165	1867-1956	304271	42.917	-73.517	JOHNSONVILLE	354	1948-1965
303070	42.167	-78.200	FRIENDSHIP 5 SW	1985	1956-1968	304280	43.007	-74.370	JOHNSTOWN	688	1828-1888
303076	41.967	-74.550	FROST VALLEY	1846	1948-1981	304332	44.183	-73.800	KEENE VALLEY	1285	1879-1918
303087	43.317	-76.400	FULTON	344	1896-1978	304340	44.500	-73.483	KEESEVILLE	-999	1933-1934
303102	44.433	-74.167	GABRIELS	1766	1900-1978	304353	43.333	-78.033	KENDALL	324	1942-1951
303124	42.700	-77.400	GANNETT HILL	1957	1971-1990	304370	42.617	-77.100	KEUKA PARK	-999	1908-1909
303128	43.017	-77.800	GARBUTT	607	1954-1979	304410	42.667	-76.617	KING FERRY	392	1900-1915
303138	41.683	-74.150	GARDINER	326	1956-1987	304413	42.367	-73.717	KINDERHOOK	125	1830-1846
303144	41.350	-74.483	GARDNERVILLE	455	1956-1990	304420	43.100	-73.818	KINGS STATION	246	1890-1907
303152	41.217	-74.000	GARNERVILLE	198	1983-1989	304424	41.933	-74.000	KINGSTON	285	1829-1951
303177	42.883	-77.000	GENEVA EXP STATION	590	1850-1968	304429	41.917	-73.983	KINGSTON GAS PLANT	-999	1957-1959
303182	42.883	-77.017	GENEVA SCS	625	1948-1951	304450	42.000	-78.517	KNAPP CREEK	2364	1938-1951
303184	42.883	-77.033	GENEVA RESEARCH FARM	726	1850-1990	304472	42.400	-74.800	KORTRIGHT	1904	1948-1960
303251	42.017	-74.133	GLENFORD	864	1948-1959	304473	42.417	-74.800	KORTRIGHT 2	1737	1948-1990
303259	41.517	-73.933	GLENHAM	287	1948-1990	304486	41.783	-74.400	LACKAWACK	724	1948-1961
303284	43.333	-73.733	GLENS FALLS FARM	505	1941-1990	304525	42.250	-74.900	LAKE DELAWARE	1476	1948-1981
303289	43.317	-73.650	GLENS FALLS FIRE STA	354	1891-1956	304530	43.428	-73.713	LAKE GEORGE	350	1896-1919
303294	43.350	-73.617	GLENS FALLS FAA AP	325	1948-1990	304533	42.067	-74.183	LAKE HILL	1125	1948-1959
303299	43.283	-73.667	GLENS FALLS FEEDER DAM	304	1948-1956	304555	44.250	-73.983	LAKE PLACID 2 S	1887	1897-1990
303319	43.050	-74.333	GLOVERSVILLE	818	1892-1990	304560	43.472	-74.412	LAKE PLEASANT	-999	1909-1910
303324	43.100	-74.433	GLOVERSVILLE PECKS POND	1364	1948-1960	304563	40.833	-73.133	LAKE RONKOKOMA	86	1948-1967
303335	41.400	-74.333	GOSHEN (FARMER'S HALL)	425	1835-1849	304570	42.738	-73.688	LANSINGBURG	30	1826-1846

STN # - STATION NUMBER, LAT - LATITUDE, LO - LONGITUDE, ELEV - ELEVATION, POR - PERIOD OF RECORD, -99.000 - UNKNOWN LATITUDE, -999.00 - UNKNOWN LONGITUDE, -999 - UNKNOWN ELEVATION

STN #	LAT	LON	STATION NAME	ELEV	POR	STN #	LAT	LON	STATION NAME	ELEV	POR
304575	42.450	-74.467	LANSING MANOR	1108	1985-1990	305769	43.200	-75.017	NEWPORT 6 NE	1708	1985-1990
304613	40.933	-73.750	LARCHMONT	155	1948-1951	305796	40.600	-73.983	NEW YORK AVE V BROOKLYN	20	1948-1990
304632	40.733	-73.933	LAUREL HILL	15	1950-1951	305798	40.600	-73.967	NEW YORK BENSONHURST	20	1951-1953
304640	42.633	-78.048	LAUTERBRUNNEN	-999	1913-1931	305799	40.867	-73.883	N Y BOTANICAL GARDENS	97	1973-1976
304647	44.750	-74.650	LAWRENCEVILLE	484	1932-1990	305803	40.650	-73.783	N Y KENNEDY WSO AP	24	1949-1990
304680	42.977	-77.992	LE ROY	900	1884-1911	305806	40.850	-73.917	NEW YORK NEW YORK WIV	185	1948-1951
304698	42.583	-78.033	LETCHWORTH PARK	1264	1912-1952	305809	40.717	-74.033	N.Y. DEAF & DUMB INST.	25	1846-1870
304706	41.950	-74.833	LEWBEECH	1905	1948-1959	305811	40.767	-73.900	N Y LAGUARDIA WSO AP	25	1940-1990
304715	43.183	-79.050	LEWISTON 1 N	336	1831-1972	305812	40.600	-74.033	FORT HAMILTON	25	1843-1885
304717	43.133	-78.967	LEWISTON 3 SE	638	1987-1990	305816	40.700	-74.017	NEW YORK WB CITY	15	1826-1960
304723	42.233	-74.333	LEWINGTON 1 SE	1485	1948-1959	305821	40.600	-74.167	N Y WESTERLEIGH STAT IS	85	1948-1990
304731	41.800	-74.733	LIBERTY 1 NE	1585	1850-1990	305826	43.100	-78.950	NIAGARA FALLS AP	580	1896-1902
304754	42.700	-75.883	LINCKLAEN	1277	1953-1979	305840	43.100	-78.950	NIAGARA FALLS INT'L AP	519	1989-1990
304767	42.883	-78.167	LINDEN	1124	1912-1965	305869	44.800	-75.000	NORFOLK	237	1948-1990
304772	42.033	-77.133	LINDLEY	986	1953-1990	305917	42.517	-77.467	NORTH COHOCTON SCS	1314	1948-1990
304782	42.350	-76.000	LISLE	1047	1953-1977	305925	43.700	-73.983	NORTH CREEK	898	1907-1990
304791	43.067	-74.867	LITTLE FALLS CITY RES	907	1897-1990	305950	44.448	-75.695	NORTH HAMMOND	300	1866-1908
304796	43.033	-74.867	LITTLE FALLS MILL ST	364	1921-1990	305987	43.533	-74.950	NORTH LAKE	1834	1896-1948
304801	43.017	-74.783	LITTLE FALLS 4 E	466	1960-1973	306019	40.900	-73.350	NORTHPORT	24	1942-1953
304805	42.033	-78.217	LITTLE GENESEE	1500	1866-1873	306030	43.188	-76.890	NORTH ROSE	390	1888-1921
304808	42.250	-78.800	LITTLE VALLEY	1584	1892-1990	306037	41.333	-73.567	NORTH SALEM	361	1830-1860
304836	42.667	-76.467	LOCKE 2 W	1208	1932-1990	306042	42.350	-74.283	NORTH SETTLEMENT	1904	1948-1952
304844	43.183	-78.650	LOCKPORT 2 NE	524	1870-1990	306047	43.083	-78.750	NORTH TONAWANDA	6082	1982-1990
304849	43.200	-78.633	LOCKPORT 4 NE	446	1961-1990	306062	43.233	-74.167	NORTHVILLE	856	1904-1990
304912	43.783	-75.483	LOWVILLE	868	1827-1990	306070	43.400	-76.410	NORTH VOLNEY	350	1872-1886
304930	43.325	-78.388	LYNDICINVILLE	320	1890-1910	306085	42.517	-75.517	NORWICH	1126	1907-1990
304940	43.062	-76.995	LYONS	426	1888-1908	306090	43.717	-75.201	NUMBER FOUR	1571	1889-1905
304944	43.617	-75.367	LYONS FALLS	807	1889-1990	306100	42.800	-77.940	NUNDA	-999	1898-1903
304952	43.067	-77.300	MACEDON	474	1918-1990	306111	42.400	-74.150	OAK HILL	664	1948-1962
304984	43.317	-76.100	MALLORY	456	1967-1975	306119	41.500	-74.500	O AKLAND VALLEY	686	1948-1951
304996	44.850	-74.283	MALONE	888	1839-1990	306164	44.733	-75.433	OGDENSBURG 4 NE	284	1838-1990
305032	42.383	-74.317	MANORKILL	1628	1948-1990	306168	41.733	-74.067	OHIOVILLE	358	1922-1927
305072	42.983	-76.383	MARCELLUS SCS	1034	1948-1951	306179	43.700	-75.000	OLD FORGE THENDARA	1704	1948-1948
305113	42.517	-74.967	MARYLAND 6 SW	1198	1984-1990	306184	43.717	-74.983	OLD FORGE	1726	1907-1990
305120	42.050	-74.817	MARY SMITH	1524	1948-1976	306196	42.083	-78.450	OLEAN	1424	1909-1990
305129	44.983	-74.783	MASSENA SNELL LOCK	226	1940-1962	306210	43.093	-75.653	ONEIDA	500	1863-1878
305134	44.933	-74.850	MASSENA FAA AIRPORT	204	1948-1990	306224	42.450	-75.067	ONEONTA 1 S	1084	1931-1956
305139	44.933	-74.883	MASSENA HIGH SCHOOL	304	1948-1948	306225	42.450	-75.067	ONEONTA	1155	1956-1958
305171	43.000	-76.767	MAYS POINT LOCK 25	408	1918-1990	306229	42.450	-75.000	ONEONTA 3 SE	1166	1948-1969
305199	43.617	-75.100	MC KEEVER	1488	1923-1953	306232	42.467	-75.067	ONEONTA STATE WIV	1407	1894-1983
305231	42.883	-73.683	MECHANICVILLE 2 S	74	1911-1976	306239	43.100	-76.217	ONONDAGA	1260	1826-1844
305235	40.817	-72.983	MEDFORD	80	1906-1927	306275	41.150	-72.267	ORIENT 2 E	14	1941-1961
305248	42.850	-73.617	MELROSE 1 NE	356	1965-1990	306301	41.150	-73.867	OSSINGO SING SING	35	1940-1959
305255	43.050	-73.900	MILTON CENTER	418	1987-1990	306314	43.467	-76.500	OSWEGO EAST	358	1844-1990
305276	41.800	-74.433	MERRIMAN DAM	866	1961-1990	306322	42.467	-75.200	OTEGO	1514	1948-1950
305280	43.467	-76.233	MEXICO	331	1837-1862	306340	42.362	-78.797	OTTO	1260	1902-1915
305283	41.383	-73.650	MIDDLE BRANCH RESERVOIR	384	1895-1961	306346	42.617	-76.817	OVID 4 S	112	1932-1972
305291	42.600	-74.317	MIDDLEBURG	636	1889-1977	306356	42.083	-76.317	OWEGO 3 WSW	817	1979-1990
305310	41.450	-74.450	MIDDLETOWN 2 NW	705	1890-1990	306365	42.443	-75.600	OXFORD	976	1829-1914
305312	41.433	-74.417	MIDDLETOWN 2	507	1974-1980	306390	43.333	-76.367	PALERMO	460	1854-1925
305334	41.850	-73.617	MILLEBROOK	824	1942-1990	306400	43.050	-77.233	PALMYRA	-999	1890-1891
305346	41.950	-73.517	MILLERTON	748	1941-1953	306411	44.633	-74.833	PARISHVILLE 1 WNW	754	1948-1981
305350	43.217	-78.380	MILLVILLE	600	1842-1847	306426	41.900	-74.817	PARKSTON	1484	1948-1970
305377	40.733	-73.633	MINEOLA	135	1938-1990	306441	40.800	-73.017	PATCHOGUE 2 N	24	1937-1990
305382	40.733	-73.650	MINEOLA 1 W	95	1949-1967	306459	44.433	-74.267	PAUL SMITHS	1635	1904-1966
305403	40.733	-73.600	MITCHEL FIELD	105	1948-1951	306464	42.883	-78.033	PAVILION	946	1956-1990
305426	41.767	-74.150	MOHONK LAKE	1254	1896-1990	306479	41.933	-74.383	PEEKAMOOSE	1466	1948-1964
305430	44.833	-74.567	MOIRA	200	1900-1929	306510	42.667	-77.067	PENN YAN	725	1829-1984
305435	41.617	-74.817	MONGAUP VALLEY 4 SSW	1208	1948-1974	306517	42.650	-77.083	PENN YAN 8 W	1008	1984-1990
305441	41.050	-71.950	MONTAUK	17	1973-1979	306530	42.500	-76.652	PERRY CITY	1038	1872-1914
305446	41.533	-74.233	MONTGOMERY ACADEMY	400	1828-1842	306535	42.450	-79.000	PERRYSBURG	1500	1915-1923
305478	42.717	-76.433	MORAVIA	754	1948-1948	306538	44.567	-73.567	PERU 2 WSW	518	1938-1990
305490	43.385	-74.733	MOREHOUSEVILLE	1697	1908-1915	306549	42.733	-73.300	PETERSBURG 2 SE	1165	1956-1961
305512	42.850	-75.650	MORRISVILLE 3 S	1305	1911-1990	306557	44.133	-75.700	PHILADELPHIA	485	1861-1936
305540	40.983	-73.867	MOUNT HOPE	800	1896-1929	306562	41.433	-74.367	PHILLIPSBURG	445	1956-1959
305560	42.467	-73.400	MOUNT LEBANON	720	1944-1970	306567	42.083	-74.333	PHOENICIA	828	1948-1990
305578	43.200	-73.750	MT. MCGREGOR	1060	1912-1945	306570	43.230	-76.300	PHOENIX	400	1892-1900
305597	42.733	-77.900	MOUNT MORRIS 2 W	886	1885-1990	306590	43.733	-76.067	PIERREPOINT MANOR	588	1849-1871
305604	42.450	-76.367	MT PLEASANT FARM	1655	1931-1978	306612	42.033	-76.867	PINE CITY	1000	1890-1990
305612	40.900	-73.833	MOUNT VERNON	155	1914-1941	306623	43.450	-74.533	PISECO	1737	1948-1990
305635	42.617	-77.400	NAPLES	757	1969-1987	306630	43.100	-77.550	PITTSFORD	-999	1895-1897
305639	41.567	-75.017	NARROWSBURG 4 SE	746	1956-1990	306659	44.700	-73.467	PLATTSBURGH	178	1840-1890
305658	43.950	-74.833	NEHASANE	1700	1907-1915	306674	41.133	-73.767	PLEASANTVILLE	325	1948-1990
305671	41.833	-74.650	NEVERSINK	1305	1948-1959	306685	42.617	-75.600	PLYMOUTH	1254	1948-1951
305673	42.300	-78.900	NEW ALBION	1867	1951-1987	306720	42.900	-76.017	POMPEY	1300	1827-1858
305675	42.283	-78.917	NEW ALBION 1 W	1975	1951-1954	306745	42.567	-78.050	PORTAGEVILLE	1125	1956-1990
305679	43.050	-77.083	NEWARK	438	1918-1990	306750	43.050	-76.633	PORT BYRON	-999	1900-1901
305682	42.228	-76.187	NEWARK VALLEY	965	1868-1920	306765	44.050	-73.450	PORT HENRY	124	1948-1965
305687	42.617	-75.333	NEW BERLIN	1084	1908-1990	306774	41.383	-74.683	PORT JERVIS	474	1880-1990
305692	42.617	-75.433	NEW BERLIN 5 WSW	1655	1956-1957	306779	41.367	-74.700	PORT JERVIS BRIDGE	-999	1948-1948
305695	42.600	-75.433	NEW BERLIN 6 WSW	1775	1956-1956	306789	42.033	-78.333	PORTVILLE	1436	1962-1968
305701	41.517	-74.000	NEUBURGH ACADEMY	150	1828-1871	306805	44.670	-74.985	POTSDAM	425	1828-1915
305711	43.967	-74.217	NEWCOMB 3 W	1627	1940-1977	306817	41.683	-73.933	POUGHKEEPSIE	105	1830-1971
305714	43.967	-74.100	NEWCOMB 3 E	1668	1959-1990	306820	41.633	-73.883	POUGHKEEPSIE FAA AP	155	1948-1990
305728	41.633	-73.883	NEW HACKENSACK	154	1948-1948	306831	42.533	-77.300	PRATTSBURG 2 NW	1944	1948-1986
305743	42.233	-74.700	NEW KINGSTON	1926	1948-1985	306832	42.532	-77.299	PRATTSBURG	1494	1829-1845
305748	42.553	-75.242	NEW LISBON	1234	1890-1923	306833	42.517	-77.267	PRATTSBURG	1478	1988-1990
305751	43.217	-75.650	NEW LONDON LOCK 22	404	1918-1990	306839	42.350	-74.450	PRATTSVILLE 3 N	1178	1948-1990
305759	41.683	-74.133	NEW PALTZ 4 SW	427	1972-1983	306842	42.317	-74.433	PRATTSVILLE NO 2	1435	1958-1960

STN # - STATION NUMBER, LAT - LATITUDE, LON - LONGITUDE, ELEV - ELEVATION, POR - PERIOD OF RECORD, -99.000 - UNKNOWN LATITUDE, -999.00 - UNKNOWN LONGITUDE, -999 - UNKNOWN ELEVATION



STN#	LAT	LON	STATION NAME	ELEV	POR	STN#	LAT	LON	STATION NAME	ELEV	POR
306848	42.433	-74.200	PRESTON HOLLOW	904	1948-1963	308088	42.200	-76.567	SPENCER 3 W	1006	1943-1990
306867	43.567	-76.133	PULASKI	365	1948-1990	308089	42.200	-76.533	SPENCER 2 WSW	1065	1956-1961
306941	43.817	-74.667	RAQUETTE LAKE	1784	1895-1952	308090	42.183	-76.517	SPENCER 3 SW	1325	1956-1956
306957	44.300	-74.100	RAY BROOK	1627	1971-1990	308091	42.200	-76.533	SPENCER 2 W	1045	1957-1961
306965	43.750	-75.683	RECTORS CORNERS	1818	1987-1990	308096	42.333	-73.550	SPENCERTOWN	634	1942-1959
306983	42.000	-73.867	RED HOOK	220	1830-1905	308100	43.767	-75.300	SPERRYVILLE	1180	1929-1941
306989	42.117	-78.800	REDHOUSE	135	1951-1951	308104	43.233	-73.750	SPER FALLS	397	1901-1978
306999	42.317	-74.633	RELAY	2044	1948-1959	308130	41.117	-74.050	SPRING VALLEY	454	1948-1951
307024	42.533	-74.167	RENSELAERVILLE 2 NW	1737	1971-1974	308138	43.133	-74.667	SPRITE CREEK	1204	1948-1959
307035	41.883	-73.867	RHINEBECK 4 SE	317	1916-1990	308152	42.983	-78.083	STAFFORD	914	1932-1967
307069	42.367	-76.217	RICHFORD	1474	1948-1950	308160	42.400	-74.617	STAMFORD	1768	1948-1990
307070	42.350	-76.200	RICHFORD	1225	1948-1951	308190	42.533	-76.933	STARKEY	860	1874-1887
307077	43.567	-76.050	RICHLAND	524	1948-1952	308232	41.500	-74.100	STEWART FIELD	465	1948-1964
307080	42.633	-74.567	RICHMONDVILLE	1185	1899-1906	308240	43.133	-74.600	STEWARTS LANDING	1544	1948-1956
307090	43.233	-78.395	RIDGEWAY	420	1895-1906	308248	43.883	-75.033	STILLWATER RESERVOIR	1705	1921-1990
307115	41.850	-74.050	RIFTON 1 N	45	1922-1967	308300	42.233	-76.450	STRAITS CORNERS	1062	1896-1905
307120	42.265	-79.710	RIPLEY	-999	1904-1905	308304	41.533	-73.733	STORMVILLE	915	1990-1990
307129	43.600	-73.733	RIVERBANK	757	1955-1986	308321	41.117	-74.117	SUFFERN 2 E	424	1949-1955
307134	40.967	-72.717	RIVERHEAD RESEARCH FARM	104	1938-1990	308322	41.117	-74.150	SUFFERN WATER WORKS	275	1956-1990
307167	43.117	-77.667	ROCHESTER WSO AP	556	1829-1990	308338	42.583	-74.583	SUMMIT	2054	1948-1949
307195	42.383	-75.400	ROCKDALE	1037	1944-1990	308352	41.883	-74.467	SUNDOWN	1005	1948-1959
307205	41.600	-74.600	ROCK HILL	1555	1956-1963	308383	43.117	-76.117	SYRACUSE WSO AP	425	1843-1990
307210	41.583	-74.617	ROCK HILL 3 SW	1276	1963-1990	308388	43.300	-75.617	TABERG	515	1905-1935
307246	43.233	-75.417	ROME GRIFFISS FIELD	495	1889-1961	308403	42.183	-74.150	TANNERSVILLE SWG PLT	1804	1948-1959
307250	42.750	-76.833	ROMULUS	719	1890-1922	308405	42.200	-74.100	TANNERSVILLE 2 E	1955	1959-1974
307260	41.933	-74.900	ROSCOE	1498	1972-1979	308411	41.083	-73.867	TARRYTOWN	152	1860-1872
307270	43.150	-76.883	ROSE	-999	1895-1898	308432	42.133	-74.900	TERRY CLOVE	1385	1948-1959
307274	41.850	-74.050	ROSENDALE 2 E	47	1956-1990	308455	44.217	-75.800	THERESA	346	1948-1979
307282	40.800	-73.633	ROSLYN	220	1912-1930	308498	42.200	-77.333	THURSTON	1624	1948-1951
307317	42.283	-74.567	ROXBURY	1494	1915-1972	308503	43.850	-73.417	TICONDEROGA	164	1949-1972
307329	42.400	-78.267	RUSHFORD 1 W	1505	1954-1990	308506	43.883	-73.400	TICONDEROGA 3 NE	217	1897-1980
307348	44.117	-74.667	SABATTIS 3 NE	1767	1933-1979	308512	41.400	-73.650	TILLY FOSTER	404	1948-1951
307356	44.050	-74.633	SABATTIS WHITNEY PARK	1735	1956-1958	308523	41.333	-73.650	TITICUS	274	1948-1961
307370	43.947	-76.118	SACKETTS HARBOR	262	1840-1899	308550	42.350	-76.967	TOWNSEND	1350	1888-1921
307382	43.000	-74.683	ST JOHN'SVILLE	355	1896-1960	308578	43.267	-75.150	TRENTON FALLS	804	1908-1990
307397	42.183	-78.717	SALAMANCA	1754	1948-1950	308586	42.950	-74.283	TRIBES HILL	305	1903-1990
307398	42.167	-78.733	SALAMANCA	1425	1951-1951	308594	42.067	-77.483	TROUPSBURG 4 NE	1715	1948-1990
307405	43.167	-73.317	SALAM	498	1840-1990	308600	42.750	-73.683	TROY LOCK AND DAM NO 2	240	1826-1990
307413	43.167	-74.867	SALISBURY	1304	1897-1975	308611	42.717	-76.017	TRUXTON	1166	1948-1977
307420	41.433	-74.117	SALISBURY MILLS	314	1883-1910	308614	42.767	-76.033	TRUXTON 4 N	1404	1948-1949
307472	44.333	-74.133	SARANAC LAKE	1554	1889-1966	308619	42.783	-76.033	TRUXTON 5 N	1755	1948-1951
307480	43.100	-73.833	SARATOGA SPRINGS 4 NW	554	1941-1951	308625	42.833	-76.033	TULLY 4 NE	1307	1979-1990
307484	43.033	-73.817	SARATOGA SPRINGS 4 SW	307	1898-1990	308627	42.767	-76.083	TULLY-HEIBERG FOREST	1907	1967-1990
307497	40.983	-73.800	SCARSDALE	205	1909-1990	308631	44.233	-74.433	TUPPER LAKE SUNMOUNT	1684	1899-1990
307505	42.900	-73.600	SCHAGHTICOKE 1 W	134	1948-1965	308635	43.650	-75.417	TURIN 1 N	1326	1899-1978
307513	42.833	-73.917	SCHENECTADY	228	1931-1985	308665	42.317	-75.317	UNADILLA	1024	1943-1978
307514	42.800	-73.917	SCHENECTADY	360	1988-1990	308670	42.350	-75.317	UNADILLA 2 N	1487	1948-1990
307524	43.833	-73.767	SCHROON LAKE	866	1948-1967	308720	40.867	-72.883	UPTON	86	1948-1951
307532	44.017	-73.700	SCHROON RIVER 4 N	937	1948-1978	308733	43.117	-75.233	UTICA HARBOR POINT	414	1931-1948
307544	43.117	-73.583	SCHUYLERVILLE LOCK 5	114	1918-1963	308737	43.150	-75.383	UTICA FAA AP	715	1948-1990
307549	43.100	-73.583	SCHUYLERVILLE	125	1942-1951	308738	43.167	-75.317	UTICA CAA AP	524	1945-1950
307557	42.167	-77.983	SCIO	1444	1929-1975	308739	43.100	-75.283	UTICA 3 W	506	1826-1990
307568	42.817	-73.983	SCOTIA	234	1919-1963	308746	42.433	-73.683	VALATIE 1 N	307	1971-1990
307578	42.017	-77.750	SCOTTSDALE	565	1890-1913	308749	41.067	-73.767	VALHALLA 2 E	374	1948-1961
307596	42.050	-74.550	SEAGER	192	1948-1970	308773	40.900	-73.367	VANDERBILT MUSEUM	117	1977-1989
307633	40.967	-73.100	SETAUKET	400	1885-1990	308790	42.767	-78.317	VARYSBURG	1113	1892-1915
307659	42.800	-74.600	SHARON SPRINGS 1N	824	1913-1953	308831	42.100	-76.050	VESTAL	824	1939-1977
307664	42.783	-74.667	SHARON SPRINGS 2SW	1364	1914-1951	308833	42.050	-76.050	VESTAL	1497	1948-1985
307705	42.650	-75.483	SHERBURNE 2 S	1086	1908-1990	308839	42.983	-77.417	VICTOR	645	1948-1990
307713	42.167	-79.600	SHERMAN	1545	1890-1990	308860	42.167	-79.617	VOLUSIA	1560	1899-1920
307715	42.755	-76.617	SHERWOOD	799	1895-1900	308870	42.650	-73.900	VOORHEESVILLE	330	1916-1948
307721	41.950	-74.217	SHOKAN BROWN STATION	545	1953-1990	308902	41.567	-74.167	WALDEN 2 NE	405	1922-1959
307732	42.957	-77.227	SHORTVILLE	660	1899-1936	308906	41.550	-74.167	WALDEN 1 ESE	387	1972-1990
307742	41.333	-73.833	SHRUB OAK	425	1950-1971	308910	42.750	-78.517	WALE	1097	1948-1990
307745	43.717	-73.500	SILVER BAY	350	1920-1927	308924	42.433	-77.467	WALLACE SCS	1604	1948-1950
307750	42.550	-79.167	SILVER CREEK 3 E	808	1986-1990	308935	42.233	-75.083	WALTON 5 NE	1804	1948-1956
307772	42.267	-79.267	SINCLAIRVILLE	1438	1959-1990	308936	42.167	-75.133	WALTON	1245	1900-1990
307780	42.950	-76.433	SKANEATELES	887	1894-1990	308944	44 150	-74.900	WANAKENA RANGER SCHOOL	1515	1910-1990
307799	42.017	-74.417	SLIDE MOUNTAIN	2654	1948-1990	308946	40 650	-73.517	WANTAGH CEDAR CREEK	17	1976-1990
307818	43.350	-73.500	SMITHS BASIN	138	1918-1990	308949	41 650	-73.867	WAPPINGERS FALLS	115	1890-1950
307830	42.383	-75.817	SMITHVILLE FLATS	1027	1948-1951	308959	43 550	-73.800	WARRENSBURG 4 NW	786	1948-1982
307842	43.200	-77.017	SODUS CENTER	445	1922-1990	308962	42 683	-78.200	WARSAW 5 SW	1727	1952-1990
307864	42.683	-77.850	SONYEA	624	1948-1950	308967	41 267	-74.367	WARWICK	544	1948-1974
307895	40.900	-72.450	SOUTHAMPTON	36	1900-1918	308987	42 900	-76.867	WATERLOO	457	1931-1990
307900	43.133	-76.767	SOUTH BUTLER	-999	1903-1904	309000	43 967	-75.867	WATERTOWN	504	1856-1990
307906	43.083	-78.067	SOUTH BYRON	646	1968-1971	309005	44 000	-76.017	WATERTOWN FAA AP	327	1949-1990
307918	42.183	-77.550	SOUTH CANISTEO	1564	1889-1949	309020	42 367	-76.867	WATKINS GLEN	466	1965-1977
307930	44.510	-74.888	SOUTH COLTON	-999	1927-1933	309021	42 400	-76.900	WATKINS GLEN 2 NW	807	1970-1976
307944	44.267	-75.200	SOUTH EDWARDS 1 E	854	1927-1978	309030	42 010	-76.537	WAVERLY	845	1882-1915
307960	43.350	-73.417	SOUTH HARTFORD	400	1863-1879	309047	42 000	-76.553	WAVERLY	85	1988-1990
307980	42.333	-74.750	SOUTH KORTRIGHT	1527	1889-1906	309050	42 333	-76.950	WEDGWOOD	1430	1888-1921
307998	42.533	-75.433	SOUTH NEW BERLIN 2	1415	1948-1951	309055	44 300	-76.033	WELLESLEY ISLAND	287	1974-1990
308006											

STN #	L A T	L O N	STATION NAME	ELEV	POR
309117	40.733	-73.600	WESTBURY	98	1980-1990
309125	42.217	-77.417	WEST CAMERON	1085	1953-1982
309130	44.822	-73.508	WEST CHAZY	-999	1892-1895
309140	41.067	-73.683	WESTCHESTER CO AP	447	1974-1990
309178	42.517	-74.050	WESTERLO	1165	1948-1959
309189	42.283	-79.600	WESTFIELD 3 SW	1054	1896-1990
309229	42.150	-77.567	WEST JASPER	2224	1948-1951
309237	42.200	-74.383	WEST KILL	1505	1948-1959
309250	43.033	-73.933	WEST MILTON	445	1955-1986
309270	41.083	-73.967	WEST NYACK	190	1990-1990
309292	41.383	-73.967	WEST POINT	324	1840-1990
309303	42.617	-73.600	WEST SAND LAKE 2 S	646	1965-1990
309307	42.833	-78.750	WEST SENECA 1 NE	667	1978-1987
309311	41.950	-74.317	WEST SHOKAN 3 SW	984	1948-1959
309320	42.732	-73.702	WEST TROY	50	1843-1854
309374	44.817	-74.267	WHIPPLEVILLE	835	1948-1951
309381	44.367	-73.917	WHITEFACE MT.	4860	1938-1945
309389	43.550	-73.400	WHITEHALL	124	1918-1990
309400	41.017	-73.733	WHITE PLAINS MAPLE MOOR	155	1948-1951
309405	41.067	-73.717	WHITE PLAINS AIRPORT	404	1853-1973
309413	41.500	-73.750	WHITE POND	796	1948-1961
309418	43.133	-75.300	WHITESBORO (INST. SCI.)	500	1834-1840
309425	42.033	-77.767	WHITESVILLE	1725	1954-1990
309437	42.350	-75.967	WHITNEY POINT	1048	1933-1990
309439	42.333	-75.867	WHITNEY POINT 5 E	1497	1974-1979
309442	42.350	-75.967	WHITNEY POINT DAN	1055	1948-1951
309450	42.683	-76.867	WILLARD	-999	1922-1924
309466	40.800	-73.767	WILLETS POINT	55	1870-1899
309480	44.367	-73.433	WILLSBORO	-999	1934-1936
309507	43.317	-78.800	WILSON 2 NE	278	1942-1990
309512	42.350	-74.283	WINDHAM N SETTLEMENT	1905	1953-1959
309514	42.300	-74.250	WINDHAM	1506	1961-1969
309516	42.300	-74.217	WINDHAM 2 E	1727	1900-1990
309533	42.500	-78.067	WISCOY 1 E	1147	1941-1990
309544	43.250	-76.867	WOLCOTT 3 NW	374	1942-1990
309571	42.067	-77.417	WOODHULL	1830	1933-1941
309576	41.017	-73.850	WOODLANDS ARDSLEY	145	1948-1951
309600	42.817	-78.050	WYOMING	800	1826-1848
309655	42.867	-77.883	YORK	760	1912-1926
309660	41.267	-73.767	YORKTOWN HEIGHTS	424	1942-1950
309670	41.267	-73.800	YORKTOWN HEIGHTS 1 W	6770	1967-1990
309690	43.250	-79.048	YOWGSTOWN	-999	1909-1911

STN # - STATION NUMBER, LAT - LATITUDE, LON - LONGITUDE, ELEV - ELEVATION, POR - PERIOD OF RECORD, -99.000 - UNKNOWN LATITUDE, -999.00 - UNKNOWN LONGITUDE, -999 - UNKNOWN ELEVATION

**OHIO**

STN #	LAT	LONG	STATION NAME	ELEV	POR	STN #	LAT	LONG	STATION NAME	ELEV	POR
330058	40.917	-81.433	AKRON-CANTON WSO AP	1217	1948-1990	331541	41.067	-81.900	CHIPPEWA LAKE	1068	1931-1990
330061	41.083	-81.517	AKRON	1088	1970-1990	331544	41.067	-81.900	CHIPPEWA LAKE WATER WKS	1044	1948-1951
330063	41.033	-81.450	AKRON WB AIRPORT	1045	1887-1952	331550	39.117	-84.700	CINCINNATI-FERNBANK	507	1974-1990
330083	40.083	-82.683	ALEXANDRIA 4 WSW	1226	1892-1988	331561	39.150	-84.517	CINCINNATI ABBE WSMO	767	1916-1982
330102	40.933	-81.100	ALLIANCE	1050	1931-1949	331566	39.133	-84.417	CINCINNATI AULT PARK	774	1942-1957
330107	40.950	-81.117	ALLIANCE SEWAGE PLANT	1068	1948-1951	331568	39.217	-84.483	CINCINNATI HARTWELL	530	1951-1961
330115	39.217	-82.967	ALMA SCIOTCI TRAILS FOR	-999	1948-1949	331569	39.150	-84.417	CINCINNATI OAKLEY	606	1951-1961
330141	39.400	-81.967	ANESVILLE	667	1904-1988	331570	39.100	-84.550	CINCINNATI PRICE HILL	880	1951-1961
330165	41.600	-80.550	ANDOVER 2 NE	1058	1981-1990	331571	39.100	-84.500	CINCINNATI SUS BRIDGE	-999	1948-1948
330170	40.333	-80.833	ANNAPOLIS, JEFFERSON CO.	1100	1892-1903	331572	39.083	-84.383	CINCINNATI NT WASH	755	1953-1954
330180	41.180	-84.742	ANTWERP, PAULDING CO.	-999	1913-1913	331573	39.067	-84.333	CINCINNATI CHERRY GROVE	816	1965-1974
330195	41.167	-81.083	APCO RAVENNA ARSENAL	1005	1948-1966	331574	39.200	-84.617	CINCINNATI WHITE OAK	896	1965-1968
330251	40.867	-82.300	ASHLAND	1056	1948-1967	331576	39.100	-84.433	CIN MUNI-LUNKEN FLD	496	1948-1990
330256	40.833	-82.350	ASHLAND 2 SW	1278	1888-1990	331581	39.100	-84.517	CINCINNATI WSO CI	557	1935-1971
330264	41.850	-80.800	ASHTABULA	695	1951-1967	331592	39.617	-82.950	CIRCLEVILLE	678	1888-1990
330279	39.333	-82.100	ATHENS	708	1888-1990	331600	39.800	-80.833	CLARINGTON LOCK 14	644	1903-1974
330290	41.017	-81.167	ATWATER CENTER	1136	1894-1949	331618	39.433	-83.983	CLARKSVILLE	1020	1886-1909
330298	40.517	-81.283	ATWOOD LAKE	957	1936-1987	331642	40.267	-81.283	CLENDENING LAKE	927	1936-1987
330315	41.383	-81.300	AUBURN	1200	1857-1897	331644	99.000	-99.000	CLEVELAND (CARROLL UNIV.)	754	1897-1930
330400	40.600	-82.500	BANGORVILLE	1327	1887-1938	331650	41.367	-81.667	CLEVELAND SEVEN HILLS	1154	1948-1949
330430	39.983	-81.150	BARNESVILLE-FRIENDS SCH	1258	1940-1990	331652	41.483	-81.717	CLEVELAND-LUTHERAN MC	697	1971-1978
330460	39.117	-84.167	BATHAVIA 4 N	854	1893-1951	331653	41.467	-81.567	CLEVELAND SHAKER HTS	985	1942-1953
330493	40.633	-81.567	BEACH CITY DAN	998	1948-1987	331657	41.417	-81.867	CLEVELAND WSO AP	777	1955-1990
330555	40.000	-80.750	BELLAIRE	675	1948-1950	331662	41.500	-81.667	CLEVELAND 2717 EUCLID AV	665	1871-1957
330556	40.017	-80.750	BELLAIRE	905	1950-1951	331755	41.533	-80.767	COLEBROOK	100	1948-1949
330563	40.350	-83.767	BELLEFONTAINE SEWAGE	1198	1856-1990	331770	40.883	-80.683	COLUMBIANA	1116	1855-1951
330568	40.250	-83.150	BELLEPOINT	863	1914-1942	331778	40.000	-83.017	COLUMBUS OHIO STA UNIV	765	1882-1957
330573	39.117	-81.750	BELLEVILLE LOCK & DAN	568	1968-1990	331781	39.950	-83.117	COLUMBUS SULLIVANT AVE	887	1952-1983
330576	41.283	-82.850	BELLEVEUE	755	1885-1917	331782	40.000	-83.050	COLUMBUS UNIV FARM	806	1957-1970
330581	39.983	-80.983	BELMONT 4 SE	1334	1888-1949	331783	39.900	-82.917	COLUMBUS VALLEY CROSS	758	1915-1990
330600	40.917	-81.000	BELOIT	1144	1948-1949	331786	40.000	-82.883	COLUMBUS WSO AP	817	1939-1990
330610	41.417	-81.983	BEMENT	741	1858-1903	331788	39.983	-83.000	COLUMBUS	707	1878-1973
330622	41.017	-83.817	BENTON RIDGE	800	1892-1926	331818	41.983	-80.567	CONNEAUT WATER WORKS	648	1948-1951
330639	41.033	-81.017	BERLIN DAN	1048	1948-1951	331858	40.217	-82.067	COOPERDALE	784	1948-1990
330663	39.400	-84.400	BETHANY	990	1892-1903	331882	41.317	-80.733	CORTLAND HIWAY DEPT	1005	1948-1951
330668	38.967	-84.050	BETHEL	930	1860-1883	331890	40.250	-81.867	COSHOCKTON SEWAGE PLANT	768	1982-1990
330676	39.550	-81.650	BEVERLY LOCK 4	644	1913-1952	331900	40.300	-81.867	COSHOCKTN 2 N	754	1948-1951
330715	40.683	-82.100	BIG PRAIRIE	946	1892-1901	331905	40.367	-81.800	COSHOCKTN AGR RSCH STA	1147	1956-1990
330728	41.433	-81.767	BINOLA	805	1893-1902	332038	41.500	-81.833	DANBURY	580	1916-1937
330745	41.400	-81.367	BITSSELLS	1116	1892-1898	332044	40.433	-82.300	DANVILLE 2 W	976	1963-1990
330775	40.300	-82.300	BLADENSBURG	1100	1869-1920	332060	39.750	-84.200	DAYTON WB	899	1911-1930
330823	40.650	-81.433	BOLIVAR DAN	984	1949-1987	332067	39.767	-84.183	DAYTON	756	1844-1990
330847	41.150	-81.567	BOTZUM SEWAGE PLANT	755	1948-1951	332075	39.900	-84.200	DAYTON WSO AP	1008	1950-1990
330854	39.267	-83.167	BOURNEVILLE 1 SSW	718	1955-1986	332090	39.633	-83.217	DEER CREEK LAKE	868	1970-1987
330862	41.383	-83.633	BOWLING GREEN SEWAGE PL	688	1858-1990	332098	41.283	-84.383	DEFIANCE	708	1893-1990
330911	41.350	-81.600	BRECKSVILLE 3N	720	1931-1948	332103	41.233	-84.400	DEFIANCE POWER PLANT	668	1948-1962
330950	40.283	-80.667	BRIILLIANT	700	1885-1922	332119	40.283	-83.067	DELAWARE	878	1983-1990
331057	39.933	-82.517	BUCKEYE LAKE 2 WNW	896	1956-1990	332124	40.367	-83.067	DELAWARE DAM	938	1949-1987
331072	40.817	-82.967	BUCYRUS	967	1890-1990	332156	40.400	-81.350	DENNISON	855	1909-1959
331105	39.550	-82.067	BURR OAK DAM	765	1951-1953	332160	40.383	-81.333	DENNISON WATER WORKS	866	1982-1990
331113	41.467	-81.167	BURTON 1 W	1166	1950-1951	332251	41.683	-80.667	DORSET	987	1956-1990
331152	40.267	-81.000	CADIZ	1266	1903-1990	332267	40.533	-81.483	DOVER	884	1931-1936
331162	40.267	-81.000	CADIZ 2	1204	1948-1950	332272	40.567	-81.417	DOVER DAN	938	1993-1987
331177	39.733	-81.583	CALDWELL 4 W	1004	1934-1958	332298	40.083	-83.133	DUBLIN	805	1907-1928
331178	39.817	-81.600	CALDWELL 6 NW	985	1936-1990	332305	39.633	-80.883	DUFFY DAN 15	635	1948-1951
331182	39.750	-81.533	CALDWELL WATER WORKS	747	1948-1951	332433	40.683	-80.633	EAST LIVERPOOL	1164	1940-1948
331185	40.650	-82.983	CALEDONIA	996	1889-1896	332480	39.767	-84.617	EATON	1070	1948-1948
331197	40.017	-81.583	CAMBRIDGE WATER PLANT	808	1948-1990	332485	39.733	-84.633	EATON	1008	1915-1990
331202	40.083	-81.583	CAMBRIDGE STATE HOSP	854	1892-1963	332512	41.450	-84.733	EDGERTON	835	1948-1951
331220	39.217	-84.283	CAMP DENNISON	570	1892-1915	332580	41.017	-80.850	ELLSWORTH	1047	1885-1959
331240	39.750	-82.767	CANAL WINCHESTER 6 SE	1045	1956-1961	332599	41.383	-82.067	ELYRIA 3 E	734	1886-1990
331245	41.017	-80.767	CANFIELD 1 S	1146	1896-1990	332626	39.567	-82.483	ENTERPRISE	755	1948-1990
331250	40.800	-81.383	CANTON REPOSITORY	1055	1882-1969	332651	39.350	-84.583	FAIRFIELD	588	1985-1990
331254	40.867	-81.400	CANTON 5 N	1134	1948-1948	332727	39.183	-83.933	FAYETTEVILLE	947	1976-1990
331259	40.767	-81.383	CANTON HIWAY DEPT	1027	1948-1951	332766	39.117	-84.700	FERNBANK	506	1859-1974
331278	40.500	-82.900	CARDINGTON	1011	1892-1917	332786	41.017	-83.667	FINDLAY FAA AIRPORT	805	1948-1990
331288	39.200	-82.283	CARPENTER 4 NW	887	1963-1990	332791	41.050	-83.667	FINDLAY SEWAGE PLANT	778	1886-1990
331297	39.767	-82.683	CARROLL 2 SSE	885	1956-1961	332905	41.150	-83.433	FOSTORIA W END SUBSTA	785	1886-1951
331299	39.767	-82.750	CARROLL 3 SW	1145	1956-1961	332920	39.417	-83.167	FRANKFORT	745	1892-1922
331302	39.800	-82.700	CARROLL HIWAY DEPT	-999	1948-1948	332928	39.550	-84.317	FRANKLIN	677	1923-1990
331310	40.567	-81.083	CARROLLTON	1154	1948-1950	332956	40.417	-82.533	FREDERICKTOWN 4 S	1058	1939-1990
331315	40.600	-81.100	CARROLLTON 2 NW	1198	1889-1987	332974	41.333	-83.117	FREMONT	608	1901-1990
331353	41.550	-82.850	CATAWBA ISLAND 1 SW	605	1916-1959	333021	40.717	-82.800	GALLION WATER WORKS	1178	1948-1990
331383	39.767	-83.817	CEDARVILLE	1035	1884-1905	333029	38.817	-82.183	GALLIPOLIS	587	1854-1990
331390	40.567	-84.533	CELINA 3 NE	868	1877-1990	333042	40.383	-82.400	GAMBIER	1097	1948-1951
331399	40.300	-82.700	CENTERBURG	1204	1948-1981	333071	41.417	-81.600	GARFIELD HEIGHTS	937	1971-1978
331404	40.300	-82.700	CENTERBURG 2	1318	1950-1990	333085	41.300	-81.117	GARRETTSVILLE	1005	1884-1915
331458	41.583	-81.183	CHARDON	1137	1945-1990						
331466	40.733	-82.367	CHARLES MILL LAKE	1038	1939-1987	333094	41.767	-81.000	GENEVA 3 SW	860	1944-1965
331470	41.167	-81.150	CHARLESTOWN	1180	1931-1938	333095	41.750	-80.950	GENEVA 3 S	757	1970-1983
331474	40.500	-81.783	CHARM	1054	1948-1949	333100	38.883	-83.883	GEORGETOWN	942	1886-1895
331497	38.833	-83.567	CHERRY FORK	939	1940-1946						
331502	38.										

STN #	LAT	LONG	STATION NAME	ELEV	POR	STN #	LAT	LONG	STATION NAME	ELEV	POR
333326	39.983	-82.250	GRATIOT	1000	1889-1913	335220	39.517	-84.417	MIDDLETOWN	646	1923-1990
333345	38.633	-83.317	GREEN	500	1892-1925	335265	39.167	-84.300	MILFORD	575	1951-1969
333356	39.350	-83.400	GREENFIELD 1 WNW	977	1891-1951	335268	39.183	-84.300	MILFORD WATER WORKS	526	1969-1990
333362	40.733	-81.017	GREEN HILL	1135	1892-1925	335282	41.000	-80.983	MILL CREEK	1044	1948-1949
333364	39.267	-84.517	GREENHILLS	815	1951-1951	335296	40.567	-81.917	MILLERSBURG	815	1916-1953
333375	40.100	-84.650	GREENVILLE WATER PL	1026	1886-1990	335297	40.550	-81.933	MILLERSBURG 1 W	828	1936-1990
333380	40.100	-84.617	GREENVILLE HIWAY DEFT	905	1948-1951	335310	39.750	-82.100	MILLIGAN	875	1893-1923
333393	40.517	-82.200	GREER	906	1948-1990	335315	40.717	-80.900	MILLPORT 2 NW	1157	1892-1990
333421	41.017	-84.483	GROVER HILL	735	1955-1990	335325	40.683	-81.450	MILLNERSVILLE	831	1862-1874
333460	39.667	-81.683	HACKNEY	627	1892-1899	335356	41.150	-80.783	MINERAL RIDGE WATER WKS	897	1931-1990
333478	39.400	-84.583	HAMILTON	654	1911-1971	335398	40.350	-82.083	MOHAWK DAM	878	1949-1987
333482	39.400	-84.567	HAMILTON 2	597	1971-1988	335406	40.733	-82.150	MOHICANVILLE DAM	974	1949-1987
333483	39.350	-84.583	HAMILTON-FAIRFIELD	587	1931-1985	335438	41.583	-84.617	MONTPELIER 1 WSW	868	1891-1990
333500	39.667	-80.867	HANNIBAL LOCK + DAM	627	1975-1990	335505	41.300	-80.767	MOSQUITO CREEK LAKE	918	1943-1990
333730	38.783	-83.967	HIGGINSPOET	504	1948-1982	335532	40.550	-82.833	MT GILEAD	1104	1949-1952
333750	41.733	-81.017	HILL HOUSE	997	1892-1920	335535	40.550	-82.817	MT GILEAD LAKES PARK	1097	1952-1990
333758	39.200	-83.617	HILLSBORO	1107	1855-1990	335543	39.283	-84.567	MT HEALTHY EXP FARM	854	1854-1955
333763	39.233	-83.617	HILLSBORO WATER WORKS	945	1948-1951	335573	39.733	-83.283	MT STERLING GAS PUMP ST	926	1948-1951
333780	41.300	-81.150	HIRAM	1237	1855-1990	335585	40.283	-82.550	MT VERNON (NEAR)	987	1892-1944
333801	41.250	-84.150	HOLGATE	714	1932-1951	335590	39.083	-84.367	MT WASHINGTON	755	1951-1953
333874	41.217	-83.767	HOYTVILLE 2 NE	707	1952-1990	335610	39.200	-84.750	MULBERRY	800	1916-1921
333876	41.250	-81.250	HUDSON	1125	1838-1922	335656	40.933	-82.283	NAN-KIN	1045	1948-1951
333915	40.483	-83.817	HUNTSVILLE 3 N	1036	1948-1990	335664	41.383	-84.117	NAPOLEON	684	1885-1962
333971	38.533	-82.683	IRONTON	547	1882-1982	335669	41.383	-84.133	NAPOLEON WATER WORKS	686	1962-1990
333975	38.533	-82.667	IRONTON	678	1928-1985	335700	41.517	-83.883	NEAPOLIS EXP. FARM	675	1896-1903
333987	40.117	-83.483	IRWIN	1014	1941-1990	335708	40.417	-82.100	NELLIE	800	1894-1915
334004	39.067	-82.650	JACKSON 2 NW	705	1855-1990	335718	39.467	-82.250	NELSONVILLE 1 W	707	1951-1990
334006	39.500	-84.017	JACKSONBURG	975	1868-1912	335742	40.050	-82.400	NEWARK POWER PLANT	845	1948-1951
334009	39.050	-82.650	JACKSON HIWAY DEFT	705	1948-1951	335747	40.083	-82.417	NEWARK WATER WORKS	846	1936-1990
334047	41.733	-80.767	JEFFERSON	965	1856-1947	335750	40.900	-81.450	NEW BERLIN	1100	1892-1913
334156	41.583	-82.733	KELLEYS ISLAND	614	1859-1916	335767	40.433	-84.383	NEW BREMEN	940	1884-1943
334184	40.633	-83.617	KENTON OHIO POWER CO	1005	1948-1951	335786	39.933	-84.033	NEW CARLISLE	887	1914-1990
334189	40.633	-83.600	KENTON	1008	1889-1990	335794	40.267	-81.600	NEWCOMERSTOWN	807	1886-1990
334220	40.517	-81.983	KILLBUCK	1087	1892-1919	335795	40.283	-81.600	NEWCOMERSTOWN 1 NNE	965	1959-1972
334238	39.350	-84.250	KINGS MILLS	754	1912-1990	335797	40.267	-81.617	NEWCOMERSTOWN HIWAY BR	804	1948-1949
334242	41.900	-80.717	KINGSVILLE	700	1891-1917	335799	40.267	-81.633	NEWCOMERSTOWN SEWAGE PL	797	1948-1948
334250	41.450	-80.583	KINSMAN	990	1914-1946	335830	39.567	-83.250	NEW HOLLAND	868	1869-1901
334258	39.733	-82.633	KIRTLAND-HOLDEN	758	1988-1990	335857	39.733	-82.217	NEW LEXINGTON 2 NW	897	1942-1990
334340	41.117	-80.983	LAKE MILTON	944	1915-1949	335864	41.583	-80.783	NEW LYME POST OFFICE	974	1948-1949
334363	40.517	-83.883	LAKEVIEW 3 NE	1028	1914-1983	335878	39.467	-81.117	NEW MATAMORAS DAM 16	625	1948-1951
334378	39.733	-82.633	LANCASTER 2 NW	865	1948-1952	335894	40.500	-81.450	NEW PHILADELPHIA	906	1937-1990
334383	39.733	-82.633	LANCASTER 2 NW	865	1958-1990	335904	40.483	-81.433	NEW PHILADELPHIA 1 A	928	1936-1990
334387	39.683	-82.667	LANCASTER 4 SW	1015	1956-1961	335908	38.967	-84.283	NEW RICHMOND	788	1899-1909
334389	39.717	-82.650	LANCASTER 3 W	915	1956-1961	335939	39.400	-81.217	NEWPORT	678	1985-1990
334393	39.733	-82.700	LANCASTER 5 WNW	945	1956-1961	335947	39.583	-82.250	NEW STRAITSVILLE	787	1951-1990
334397	39.800	-82.617	LANCASTER 6 N	1005	1956-1961	336030	41.700	-82.817	NORTH BASS ISLAND	580	1869-1930
334399	39.717	-82.717	LANCASTER 6 W	1105	1956-1961	336050	40.850	-80.983	NORTH GEORGETOWN	1144	1944-1949
334409	40.583	-83.383	LA RUE	936	1917-1990	336061	38.417	-82.500	NORTH KENOVA	-999	1915-1961
334434	39.467	-82.733	LAURELVILLE	767	1951-1990	336075	40.683	-83.567	NORTH LEWISBURG	1095	1852-1909
334440	38.967	-83.483	LANSHRE	900	1892-1910	336085	41.217	-81.750	NORTH ROYALTON	1000	1892-1923
334461	39.433	-84.200	LEBANON HIWAY DEFT	735	1948-1971	336118	41.267	-82.617	NORWALK SEWAGE PLANT	678	1854-1990
334473	40.467	-81.200	LEESVILLE LAKE	988	1936-1987	336123	41.183	-82.567	NORWALK HIWAY DEPT 5 SE	936	1948-1951
334495	40.550	-82.650	LEVERING	1250	1882-1899	336128	41.250	-82.617	NORWALK MILAN	688	1982-1982
334551	40.717	-84.133	LIMA SEWAGE PLANT	857	1882-1990	336136	39.983	-81.783	NORWICH 1 E	987	1948-1986
334556	40.750	-84.083	LIMA WATER WORKS	876	1948-1951	336170	41.517	-83.300	OAK HARBOR	590	1894-1917
334581	40.017	-83.000	LINDEN HEIGHTS	830	1931-1936	336188	41.083	-84.383	OAKWOOD	715	1952-1958
334616	39.783	-82.817	LITHOPOLIS 2 S	995	1951-1988	336196	41.300	-82.217	OBERLIN	828	1854-1990
334624	41.667	-81.317	LITTLE MOUNTAIN	1260	1867-1881	336231	39.600	-83.617	OCTA	1044	1921-1926
334672	39.567	-82.383	LOGAN HIWAY DEFT	728	1883-1951	336333	41.333	-80.550	ORANGEVILLE	945	1889-1909
334681	39.883	-83.450	LONDON WATER WORKS	1025	1918-1990	336337	41.017	-84.050	OTTAWA	724	1948-1949
334700	41.150	-80.867	LORDSTOWN	1000	1883-1901	336342	41.033	-84.050	OTTAWA, PUTNUM CO., OH	736	1888-1990
334728	40.833	-81.250	LOUISVILLE	1176	1948-1990	336346	41.600	-83.200	OTTAWA NWR	587	1972-1989
334736	39.533	-81.517	LOWELL LOCK 3	624	1931-1952	336371	39.517	-84.750	OXFORD	904	1864-1951
334789	41.700	-84.067	LYONS HIGH SCHOOL	775	1948-1951	336375	39.517	-84.733	OXFORD	867	1948-1951
334815	41.767	-81.083	MADISON	610	1855-1929	336384	41.717	-81.217	PAINESVILLE HIWAY DEFT	705	1948-1951
334824	39.150	-84.383	MADISONVILLE	565	1951-1952	336389	41.750	-81.300	PAINESVILLE 4 NW	606	1950-1990
334865	40.817	-82.517	MANSFIELD WSO AP	1307	1948-1990	336405	40.950	-83.967	PANDORA	778	1949-1990
334872	40.750	-82.517	MANSFIELD	1283	1931-1937	336465	41.117	-84.600	PAULDING	737	1884-1990
334874	40.767	-82.617	MANSFIELD 5 W	1357	1887-1990	336475	41.083	-84.733	PAYNE WATER WORKS	754	1948-1950
334920	41.433	-82.867	MARGARETTA	850	1868-1885	336493	38.950	-83.417	PEEBLES	818	1948-1985
334924	39.417	-81.450	MARIETTA LOCK 1	615	1817-1990	336498	38.933	-83.417	PEEBLES 1 S	834	1936-1962
334926	39.483	-81.483	MARIETTA EXP. FARM	680	1915-1928	336501	38.917	-83.300	PEEBLES 5 SE	645	1910-1936
334927	39.417	-81.433	MARIETTA SEWAGE TRMT PL	586	1963-1990	336545	41.783	-81.117	PERRY CAA AP	704	1948-1950
334929	39.433	-81.467	MARIETTA WATER WORKS	835	1914-1963	336554	41.267	-80.950	PHALANX STATION	914	1931-1949
334937	40.583	-83.133	MARION	984	1948-1949	336590	39.867	-81.900	PHILO	756	1901-1965
334942	40.617	-83.133	MARION 2 N	977	1865-1990	336600	39.833	-81.917	PHILO 3 SW	1024	1895-1990
334967	40.883	-81.733	MARSHALLVILLE 1 SSW	1126	1948-1990	336616	40.183	-81.217	PIEDMONT DAM	948	1936-1987
334979	40.233	-83.367	MARYSVILLE	1006	1917-1990	336630	39.067	-83.017	PIKETON AEC PUMP STA	575	1942-1990
334984	40.233	-83.367	MARYSVILLE HIWAY DEFT	1005	1948-1951	336645	40.133	-84.233	PIQUA	958	1891-1990
334992	40.767	-81.533	MASSILLON SEWAGE PLANT	93	1948-1948	336650	40.133	-84.233	PIQUA SEWAGE PLANT	808	1948-1952
335021	39.250	-82.483	MCARTHUR	740	1900-1944	336675	39.417	-83.117	PLATTSBURG	1130	1892-1918
335024	39.250	-82.467	MCARTHUR HIWAY DEFT	775	1948-1953	336697	40.050	-84.350	PLEASANT HILL	926	1922-1990
335029	39.250	-82.483	MCARTHUR	796	1892-1990	336702	40.617	-82.333	PLEASANT HILL LAKE	1138	1936-1987
335041	39.650	-81.850	MC CONNELLSVILLE LOCK 7	667	1884-1990	336729	40.983	-82.700	PLYMOUTH 2 WSW	967	1935-1982
335090	40.400	-80.733	MECCA	924	1946-1949	336773	39.017	-81.767	PORTLAND DAM 21	594	1948-1969
335118	41.133	-81.867	MEDINA HIGHWAY DEFT	1040	1857-1948	336781	38.733	-82.967	PORTSMOUTH	548	1830-1990
335185	39.650	-84.267	MIAMISBURG	708	1923-1985	336786	38.733	-83.000	PORTSMOUTH US GRANT BR	574	1913-1990
335199	40.050	-81.333	MIDDLEBOURNE	884	1948-1987	336791	38.750	-82.917	PORTSMOUTH WATER WORKS	545	1948-1951
335215	39.083	-82.067	MIDDLEPORT	575	1884-1930	336796	39.000	-83.000	PORTSMOUTH AREA WB	675	1953-1955

STN # - STATION NUMBER, LAT - LATITUDE, LONG - LONGITUDE, ELEV - ELEVATION, POR - PERIOD OF RECORD, -99.000 - UNKNOWN LATITUDE, -999.00 - UNKNOWN LONGITUDE, -999 - UNKNOWN ELEVATION

STN #	LAT	LONG	STATION NAME	ELEV	POR	STN #	LAT	LONG	STATION NAME	ELEV	POR
336853	38.450	-82.317	PROCTORVILLE DAM 27	565	1952-1961	338990	39.867	-84.650	WEST MANCHESTER 3 SW	1104	1892-1990
336861	40.450	-83.183	PROSPECT	928	1910-1990	339000	39.967	-84.350	WEST MILTON	930	1914-1922
336872	39.233	-83.850	PULSE	1000	1894-1907	339115	41.617	-81.517	WICKLIFFE	740	1912-1923
336882	41.650	-82.800	PUT IN BAY PERRY MON	587	1916-1990	339161	39.067	-84.033	WILLIAMSBURG 1 ENE	907	1965-1976
336890	39.983	-81.317	QUAKER CITY	915	1858-1891	339163	41.533	-80.583	WILLIAMSFIELD	1100	1914-1923
336912	38.883	-81.867	RACINE DAM 23	564	1931-1969	339185	41.683	-81.383	WILLOUGHBY	635	1894-1953
336917	39.133	-82.383	RADCLIFF 1 E	765	1954-1957	339190	41.667	-81.433	WILLOWHBY EAST LAKE	646	1948-1976
336949	41.133	-81.233	RAVENNA 2 S	1108	1948-1990	339197	39.367	-81.317	WILLOW ISLAND LOCK&DAN	628	1887-1990
336954	41.133	-81.233	RAVENNA PUMP STA	1084	1948-1950	339211	40.150	-81.850	WILLS CREEK LAKE	788	1949-1987
337065	40.433	-83.300	RICHWOOD	944	1893-1904	339219	39.483	-83.850	WILMINGTON 2 NNW	1038	1884-1990
337080	41.450	-84.267	RIDGEVILLE CORNERS	741	1893-1900	339224	39.450	-83.817	WILMINGTON WATER PLANT	978	1948-1951
337120	38.783	-83.800	RITLEY EXP FARM	886	1857-1990	339298	39.783	-81.100	WOODSFIELD HIWAY DEPT	1227	1948-1951
337145	40.967	-81.733	RITTMAN	990	1861-1912	339312	40.783	-81.917	WOOSTER EXP STATION	1026	1868-1990
337179	40.683	-84.650	ROCKFORD WATER DEPT	818	1948-1951	339322	40.783	-81.933	WOOSTER 2 SE	1107	1948-1959
337231	41.600	-80.883	ROME	888	1858-1909	339332	40.167	-83.017	WORTHINGTON 5 N	955	1951-1952
337255	39.817	-82.067	ROSEVILLE	746	1961-1990	339338	39.833	-84.033	WRIGHT PATTERSON AFB	804	1948-1949
337265	40.133	-83.983	ROSEWOOD	1137	1894-1901	339356	39.733	-83.933	XENIA	844	1948-1951
337300	41.033	-82.400	RUGGLES	1100	1854-1888	339361	39.617	-83.900	XENIA 5 SSE	978	1916-1990
337326	39.833	-82.383	RUSHVILLE 5NE	1008	1985-1988	339406	41.250	-80.667	YOUNGSTOWN WSO AP	1187	1885-1990
337333	40.517	-83.900	RUSSELLS POINT-LAKEVIEW	1027	1948-1951	339417	39.950	-81.900	ZANESVILLE FAA AIRPORT	885	1854-1990
337375	39.217	-83.883	ST MARTIN URSULINE SCH	998	1948-1951	339422	39.917	-82.000	ZANESVILLE SWG PLANT	707	1900-1962
337383	40.533	-84.433	ST MARYS 3 W	885	1937-1990						
337388	40.533	-84.400	ST MARYS WATER WORKS	875	1949-1951						
337396	40.133	-83.967	SAINT PARIS	1205	1914-1951						
337447	41.450	-82.717	SANDUSKY	586	1859-1990						
337476	39.683	-82.050	SAYRE	896	1951-1989						
337538	39.733	-83.483	SEDALIA	1077	1940-1990						
337559	39.917	-81.433	SENECAVILLE LAKE	888	1940-1987						
337650	40.917	-82.500	SHENANDOAH	1100	1892-1912						
337693	40.267	-84.150	SIDNEY 1 S	947	1943-1990						
337698	40.300	-84.167	SIDNEY HIWAY DEPT	1038	1948-1951						
337700	40.317	-84.167	SIDNEY 2 N	1045	1856-1978						
337800	39.833	-82.317	SOMERSET	1080	1897-1919						
337854	41.583	-80.800	SOUTH NEW LYME	906	1950-1951						
337857	38.417	-82.583	SOUTH POINT	553	1990-1990						
337920	39.550	-84.250	SPRINGBORO	930	1884-1901						
337925	39.917	-83.817	SPRINGFIELD	1024	1943-1969						
337927	39.917	-83.783	SPRINGFIELD ELMWOOD AV	1024	1869-1950						
337930	39.917	-83.850	SPRINGFIELD MAD RVR STA	934	1914-1951						
337932	39.917	-83.850	SPRINGFIELD SEWAGE PL	908	1952-1988						
337935	39.967	-83.817	SPRINGFIELD NEW WTR WKS	936	1948-1990						
338020	40.367	-80.617	STUBENVILLE WST WTR PL	747	1948-1951						
338025	40.383	-80.633	STUBENVILLE WATER WKS	998	1830-1990						
338095	41.233	-81.867	STRONGSVILLE	800	1892-1903						
338110	41.500	-84.433	STRYKER	707	1962-1990						
338148	39.817	-81.300	SUMMERFIELD 2 NE	987	1906-1987						
338180	41.717	-83.700	SYLVANIA	639	1892-1899						
338200	39.900	-84.200	TADMOR	780	1914-1920						
338240	40.350	-81.233	TAPPAN DAM	958	1949-1987						
338303	39.900	-82.417	THORNVILLE	965	1948-1955						
338308	38.933	-82.450	THURMAN	696	1892-1917						
338313	41.117	-83.167	TIFFIN	748	1873-1990						
338318	41.100	-83.183	TIFFIN WATER WORKS	756	1960-1960						
338325	40.217	-80.767	TILTONVILLE	660	1920-1927						
338332	39.967	-84.183	TIPP CITY	907	1923-1986						
338342	40.083	-82.233	TOBOSO	789	1912-1930						
338351	41.650	-83.517	TOLEDO ACME STATION	625	1950-1951						
338353	41.683	-83.483	TOLEDO SEWAGE	578	1950-1971						
338356	41.567	-83.467	TOLEDO WB AIRPORT	625	1939-1954						
338357	41.583	-83.800	TOLEDO EXPRESS WSO AP	677	1955-1990						
338366	41.650	-83.533	TOLEDO BLADE	605	1861-1990						
338378	39.550	-82.067	TOM JENKINS LAKE	768	1953-1987						
338382	40.483	-80.600	TORONTO POWER PLANT	700	1948-1948						
338430	40.050	-84.217	TROY	840	1859-1886						
338526	40.000	-83.067	UPPER ARLINGTON	835	1951-1963						
338534	40.833	-83.283	UPPER SANDUSKY	855	1882-1990						
338539	40.817	-83.283	UPPER SANDUSKY WTR WKS	827	1948-1951						
338547	40.117	-83.767	URBANA JR COLLEGE	1050	1948-1948						
338552	40.100	-83.783	URBANA SEWAGE PLANT	1008	1852-1990						
338560	40.250	-82.450	UTICA	985	1944-1990						
338598	39.900	-84.200	VANDALIA WB AIRPORT	1004	1940-1950						
338609	40.867	-84.583	VAN WERT	808	1891-1990						
338630	41.417	-82.383	VERMILLION	603	1873-1901						
338642	40.217	-84.483	VERSAILLES	984	1914-1990						
338656	41.367	-82.967	VICKERY 2 NW	595	1893-1953						
338725	40.367	-82.133	WALHOLDING	843	1915-1939						
338730	39.750	-82.850	WALNUT	809	1892-1903						
338746	40.567	-84.200	WAPAKONETA	898	1885-1930						
338764	41.233	-80.817	WARREN	983	1984-1990						
338769	41.200	-80.817	WARREN 3 S	907	1882-1990						
338774	41.217	-80.800	WARREN OHIO EDISON	905	1938-1971						
338794	39.517	-83.417	WASHINGTON COURT HOUSE	967	1882-1990						
338810	38.700	-82.483	WATERLOO	607	1960-1988						
338822	41.517	-84.150	WAUSEON WATER PLANT	757	1871-1990						
338830	39.117	-82.983	WAVERLY	567	1883-1990						
338870	39.533	-84.067	WAYNESVILLE	700	1885-1928						
338915	41.167	-82.250	WELLINGTON	856	1893-1911						
338951	40.133	-82.950	WESTERVILLE WATER PL	818	1854-1990						
338960	39.267	-84.500	WEST FORK MILL CR DAM	736	1965-1978						

STN # - STATION NUMBER, LAT - LATITUDE, LONG - LONGITUDE, ELEV - ELEVATION, POR - PERIOD OF RECORD, -99.000 - UNKNOWN LATITUDE, -999.00 - UNKNOWN LONGITUDE, -999 - UNKNOWN ELEVATION

PENNSYLVANIA

STN #	LAT	LONG	STATION NAME	ELEV	POR	STN #	LAT	LONG	STATION NAME	ELEV	POR
360022	40.533	-79.817	ACMETGNIA LOCK 3	754	1905-1990	361354	39.933	-77.633	CHAMBERSBURG 1 ESE	647	1860-1990
360062	41.900	-80.367	ALBION	925	1944-1955	361372	40.133	-79.917	CHARLEROI	1045	1948-1951
360076	39.817	-80.450	ALEPPO	1100	1900-1918	361377	40.150	-79.900	CHARLEROI LOCK 4	754	1886-1990
360099	41.200	-78.917	ALLEN MILLS	160	1948-1951	361423	39.850	-75.367	CHESTER	95	1951-1958
360106	40.650	-75.433	ALLENTOWN WSO AP	397	1912-1990	361475	40.300	-79.867	CLAIRTON	1020	1931-1940
360111	40.600	-75.467	ALLENTOWN GAS CO	254	1931-1965	361480	41.050	-77.933	CLARENCE	1396	1950-1990
360130	40.300	-78.317	ALTOONA FAA AP	1487	1977-1990	361485	41.200	-79.433	CLARION 3 SW	1117	1888-1990
360134	40.500	-78.483	ALTOONA HORSESHOE CURVE	1504	1884-1967	361505	40.617	-75.650	CLAUSSVILLE	674	1945-1990
360140	40.500	-78.467	ALTOONA 3 W	1327	1967-1990	361512	40.117	-80.467	CLAYSVILLE 3 W	1005	1904-1971
360183	41.750	-77.467	ANSONIA	1210	1908-1946	361513	40.160	-80.433	CLAYSVILLE 2 SW	1247	1951-1974
360212	40.500	-77.017	AQUADUCT	367	1889-1900	361519	41.017	-78.450	CLEARFIELD	1147	1905-1990
360217	40.000	-75.283	ARDMORE	340	1931-1942	361522	41.117	-78.533	CLEARFIELD 8 NW NURSERY	2125	1952-1955
360229	39.917	-77.300	ARENDTSTVILLE	714	1931-1971	361529	41.683	-78.500	CLERMONT	2106	1951-1990
360256	39.750	-78.433	ARTEMAS	925	1950-1953	361534	41.733	-78.533	CLERMONT 4 NW	1627	1961-1960
360259	39.750	-78.467	ARTEMAS 1 WNW	1255	1953-1957	361551	40.933	-78.917	CLOE	1415	1913-1930
360279	41.967	-76.500	ATHENS	835	1898-1904	361563	40.667	-79.033	CLYMER	1321	1921-1930
360310	41.683	-78.117	AUSTIN 4 N	1786	1910-1981	361572	40.833	-75.933	COALDALE 2 NW	1035	1942-1959
360313	42.000	-77.533	AUSTINBURG 2 W	1597	1948-1981	361581	40.750	-78.533	COALPGT	1484	1943-1949
360319	41.350	-75.733	AVOCA CAA AP	925	1938-1955	361589	39.967	-75.833	COATESVILLE 1 SW	345	1888-1982
360352	40.267	-78.417	BAKERS SUMMIT	1442	1925-1942	361591	39.867	-75.867	COATESVILLE 2 W	648	1983-1990
360355	40.650	-79.983	BAKERSTOWN 3 WNW	1237	1948-1990	361594	39.983	-75.817	COATESVILLE	344	1940-1955
360361	41.033	-79.733	BALDWIN	1404	1906-1917	361631	41.350	-77.100	COGAN STATION 2 N	645	1898-1956
360409	41.667	-79.033	EARNES	1324	1941-1990	361646	40.250	-76.483	COLEBROOK	560	1910-1943
360428	40.433	-75.650	BARTO 4 NW	315	1956-1957	361675	40.033	-76.500	COLUMBIA	305	1943-1959
360455	41.117	-75.733	BEAR CREEK DAM	1516	1958-1963	361680	41.833	-76.800	COLUMBIA CROSS ROADS	1104	1949-1951
360457	40.833	-76.500	BEAR GAP	907	1899-1990	361705	39.800	-79.367	CONFLUENCE 1 SW DAM	1496	1946-1990
360470	40.667	-80.350	BEAVER DAM	700	1893-1936	361710	39.833	-79.367	CONFLUENCE 1 NW	1334	1875-1981
360475	40.767	-80.317	BEAVER FALLS 1 NE	767	1908-1990	361719	41.733	-80.283	CONNEAUTVILLE 4 ESE	1278	1976-1990
360482	40.767	-77.150	BEAVERTGW 1 NE	547	1946-1990	361720	41.750	-80.367	CONNEAUTVILLE	977	1959-1976
360488	40.400	-75.633	BETHLESVILLE 2 NE	468	1958-1990	361721	41.767	-80.250	CONNEAUTVILLE 6 E	1116	1960-1962
360494	40.017	-78.500	BEDFORD	1100	1931-1945	361723	40.017	-79.600	CONNELLSVILLE	877	1931-1976
360499	41.067	-77.567	BEECH CREEK STATION	577	1953-1957	361726	40.000	-79.600	CONNELLSVILLE 2 SSW	907	1976-1990
360530	40.850	-77.783	BELLEFONTE 4 S	1115	1900-1973	361727	40.000	-79.583	CONNELLSVILLE 3	1067	1971-1971
360560	40.767	-75.733	BELLEVILLE DAM	747	1971-1990	361728	40.017	-79.567	CONNELLSVILLE 1 E	1144	1948-1951
360599	40.517	-76.000	BERNE	316	1956-1974	361737	40.067	-75.317	CONNELLSVILLE 2 E	1305	1951-1951
360611	41.067	-76.250	BERWICK	577	1944-1978	361749	41.333	-79.217	CONSHOHGCKEN	74	1931-1990
360629	40.617	-75.383	BETHLEHEM	246	1877-1981	361752	41.350	-79.217	COOKSBURG	1187	1955-1990
360634	40.600	-75.367	BETHLEHEM LEHIGH UNIV	366	1926-1964	361766	40.517	-75.400	CWKSBURG 2 N	1465	1955-1958
360656	39.933	-77.250	BIGLERVILLE	727	1972-1990	361773	40.500	-80.083	COOPERSBURG	520	1889-1900
360725	40.333	-77.500	BLAIN	828	1948-1951	361790	41.917	-79.633	CORAOPGLIS NEVILLE IS	725	1907-1989
360734	40.433	-79.183	BLAIRSVILLE 5 E 2	1868	1986-1988	361804	41.783	-78.017	CORRY	1447	1886-1990
360736	40.450	-79.150	BLAIRSVILLE 6 ENE	2045	1937-1976	361805	41.800	-78.050	COUDERSPGRT 1 NNE	1695	1888-1954
360738	40.433	-79.150	BLAIRSVILLE 7 E	1847	1976-1986	361806	41.833	-78.067	COUDERSPGRT 2 NW	2225	1954-1956
360743	41.100	-75.600	BLAKESLEE CORNERS	1657	1948-1951	361809	41.767	-77.883	COUDERSPGRT 4 NW	2307	1956-1986
360751	41.367	-75.150	BLOOMING GROVE	1400	1865-1897	361815	41.850	-78.050	COUDERSPGRT 7 E	2427	1948-1973
360752	-99.00	-999.00	BLOOMSBURG	500	1896-1904	361832	41.750	-77.117	COUDERSPORT 5 NW	2188	1987-1990
360763	40.267	-77.367	BLOSERVILLE 1 N	657	1912-1990	361833	41.733	-77.117	COVINGTON 3 W	1584	1938-1956
360775	40.350	-78.055	BLUE KNOB	2370	1889-1894	361881	40.683	-79.200	COVINGTON 2 WSW	1755	1956-1990
360785	40.383	-76.033	BLUE MARSH LAKE	357	1878-1990	361894	40.467	-78.567	CREKESIDE	1057	1931-1990
360820	40.167	-79.133	BOSWELL 6 WNW	2575	1942-1960	361895	40.450	-78.567	CRESSON 1 E SUMMIT	2304	1931-1949
360821	40.150	-79.033	BOSWELL 1 SW	1837	1960-1990	361896	40.450	-78.567	CRESSON 2 SE	2545	1949-1965
360861	40.400	-79.867	BRADDOCK LOCK 2	734	1931-1990	361966	41.050	-78.583	CRESSON 1 SE	2237	1965-1982
360865	41.800	-78.633	BRADFORD FAA AIRPORT	2146	1957-1990	361978	41.917	-78.683	CURWENSVILLE WB AP	2225	1943-1952
360867	41.950	-78.650	BRADFORD CNTRL FIRE STA	1504	1910-1990	362013	40.967	-76.617	CUSTER CITY 2 W	2124	1948-1958
360868	41.950	-78.733	BRADFORD 4 W RES 1	1684	1934-1990	362029	40.417	-76.933	DANVILLE	464	1940-1990
360869	41.883	-78.650	BRADFORD 5S	1524	1948-1949	362041	40.483	-80.067	DAUPHIN 3 N	1304	1941-1950
360873	41.967	-78.733	BRADFORD 4NW HH SUMMIT	2304	1949-1950	362108	40.300	-79.333	DAVIS ISLAND DAM	720	1891-1922
360875	41.983	-78.700	BRADFORD 3 NW HEDGEHOG	2255	1951-1954	362116	40.083	-75.550	DERRY 4 SW	1067	1896-1990
360905	40.000	-78.233	BREEZEWOOD	1354	1942-1967	362167	41.217	-74.867	DEVAULT 1 W	365	1951-1988
360957	40.100	-74.867	BRISTOL	20	1943-1947	362171	41.567	-75.900	DINGMANS FERRY	437	1939-1951
360999	41.167	-79.067	BRWKVILLE	1230	1931-1942	362183	40.133	-79.400	DIXON	626	1949-1969
361002	41.150	-79.100	BRGGKVILLE FAA AIRPORT	1425	1885-1962	362190	40.167	-79.867	DONEGAL 2 NW	1806	1943-1990
361004	41.150	-79.083	BRGGKVILLE SEWAGE PLANT	1216	1963-1990	362221	40.300	-75.133	DONORA 1 SW	767	1926-1990
361017	-99.00	-999.00	BROWERS LOCK	-999	1880-1920	362236	39.950	-75.183	WYLESTOW	366	1889-1988
361033	40.300	-79.983	BRUCKTON 1 S	1047	1935-1990	362245	41.333	-78.133	DREXEL UNIV	37	1978-1985
361073	40.067	-78.833	BUCKSMW 1 SE	2465	1948-1951	362260	41.183	-78.900	DRIFTWOOD	827	1896-1951
361080	40.517	-75.200	BUCKSVILLE	568	1978-1987	362265	41.100	-78.633	DUBOIS FAA AP	1817	1962-1990
361087	39.950	-78.650	BUFFALO MILLS	1317	1931-1990	362298	-99.00	-999.00	DU BOIS 7 E	1675	1890-1974
361115	40.083	-77.867	BURNT CABINS 2 NE	994	1942-1978	362320	40.283	-78.717	DUNCANNON	356	1895-1902
361130	40.867	-79.900	BUTLER	1104	1899-1965	362323	41.533	-76.367	DUNLO	2368	1948-1951
361133	40.883	-79.983	BUTLER 5 WNW	1336	1965-1967	362329	41.533	-76.400	DUSHORE 2 E	1788	1978-1980
361135	40.850	-79.883	BUTLER SUBSTATION	1145	1948-1951	362334	41.550	-76.350	DUSHORE 3 NE	1584	1897-1950
361139	40.850	-79.917	BUTLER 2 SW	1008	1967-1990	362325	41.483	-76.417	DUSHORE 2 SSW	1755	1951-1960
361198	40.250	-76.917	CAMP HILL	464	1944-1961	362331	41.633	-75.300	DUSHORE 2 SSW	1917	1960-1976
361203	41.267	-77.333	CAMP KLINE	596	1957-1973	362343	41.400	-76.583	DYBERRY	1100	1866-1903
361209	40.250	-80.200	CANONSBURG	950	1840-1890	362363	40.983	-79.617	EAGLES MERE	1997	1941-1987
361212	41.650	-76.850	CANTON	1167	1976-1990	362395	41.567	-79.400	EAST BRADY	857	1949-1977
361215	41.667	-76.867	CANTON 1 NW	1525	1941-1975	362423	40.683	-75.200	EAST HICKORY	1087	1971-1971
361234	40.200	-77.217	CARLISLE	470	1839-1980	362425	40.683	-75.217	EASTON	164	1856-1909
361255	40.583	-78.700	CARROLLTOWN 2 SSE	2045	1943-1990	362442	41.000	-75.167	EASTON	340	1856-1909
361262	41.617	-77.750	CARTERCAMP 2 W	2037	1944-1972	362459	40.350	-77.550	EAST STROUDSBURG S C	528	1975-1985

STN #	LAT	LOE	STATION NAME	ELEV	POR	STN #	LAT	LOE	STATION NAME	ELEV	POR
362520	41.883	-80.083	EDINBORO 3 E	1468	1957-1957	364363	41.200	-77.250	JERSEY SHORE	617	1957-1981
362537	39.817	-77.267	EISENHOWER NATL HIST SIT	527	1982-1990	364370	40.867	-75.750	JIM THORPE	837	1954-1959
362541	41.967	-78.383	ELDRD 1 N	1458	1983-1984	364385	40.333	-78.917	JOHNSTOWN	1217	1868-1990
362548	41.967	-78.333	ELDRD 3 ENE	1667	1978-1983	364390	40.317	-78.917	JOHNSTOWN 2	1288	1948-1951
362560	40.150	-76.617	ELIZABETHTOWN	465	1932-1959	364425	40.367	-77.817	JUNIATA HOUSE	564	1931-1948
362569	40.850	-80.283	ELLZWABD CITY	920	1894-1915	364432	41.683	-78.800	KANE 1 NNE	1757	1931-1990
362629	41.500	-78.233	EMPORIUM	1047	1969-1990	364437	41.600	-78.767	KANE 5 SE	2014	1932-1949
362633	41.517	-78.217	EMPORIUM 1 E	1165	1888-1956	364450	41.117	-78.100	ICARHAUS	957	1941-1972
362634	41.467	-78.250	EMPORIUM 2 SSW	1745	1956-1960	364466	41.683	-78.183	KEATING SUMMIT	1845	1950-1957
362635	41.533	-78.233	EMPORIUM 1 N	1566	1960-1969	364477	41.100	-78.150	KEEWAYDIN	1377	1973-1975
362644	41.433	-77.283	ENGLISH CENTER	887	1938-1984	364481	39.983	-78.717	KEGG	1285	1951-1990
362662	40.167	-76.167	EPHRATA	518	1865-1984	364533	39.850	-75.717	KENNETT SQUARE	340	1854-1920
362669	41.850	-75.217	EQUINUNK	905	1945-1956	364597	39.850	-76.083	KIRKWOOD 1 SW	434	1940-1948
362671	41.867	-75.267	EQUINUNK 2 WNW	896	1957-1990	364611	40.817	-79.533	KITTANNING LOCK 7	795	1951-1990
362677	42.117	-80.083	ERIE W B CITY	665	1931-1953	364662	40.100	-79.233	KREGAR	2350	1931-1940
362682	42.083	-80.183	ERIE WSO AP	737	1873-1990	364667	40.100	-79.233	KREGAR 4 SE	2534	1942-1959
362721	40.017	-78.367	EVERETT	1008	1897-1990	364672	40.900	-75.533	KRESGEVILLE 2 W	837	1943-1990
362814	41.217	-80.517	FARRELL-SHARON	857	1912-1980	364699	41.000	-78.167	KYLERTGNW	1700	1931-1942
362942	40.717	-79.500	FORD CITY 4 S DAM	938	1940-1990	364706	41.800	-78.667	LAFAYETTE MC KEAN PARK	2134	1948-1957
362950	41.650	-75.467	FOREST CITY	1470	1921-1939	364727	41.217	-75.050	LAKE MINISINK	1365	1959-1987
362958	-99.000	-999.000	FORKS OF NESHAMINY	304	1884-1913	364733	41.450	-75.267	LAKEVILLE 2 NNE	1446	1931-1972
362972	39.733	-77.300	FOUNTAIN DALE	800	1867-1872	364750	39.983	-76.233	LAMPETER SCS 1A	404	1948-1948
363018	41.117	-75.733	FRANCIS E WALTER DAM	1518	1963-1990	364758	40.050	-76.283	LANCASTER 2NE PUMP STN	264	1888-1974
363028	41.383	-79.817	FRANKLIN	995	1840-1990	364763	40.050	-76.283	LANCASTER 2 NE FILT PL	278	1948-1990
363047	40.433	-75.667	FRDERICKSVILLE 2 SE	955	1937-1955	364768	40.067	-76.283	LANCASTER 3 NE	365	1932-1952
363056	41.017	-75.900	FREELAND	1907	1884-1989	364778	40.117	-76.433	LANDISVILLE 2 NW	365	1952-1990
363061	40.500	-79.750	FREEPORT	741	1877-1930	364798	40.250	-75.283	LANDSDALE	368	1884-1913
363130	41.733	-77.633	GALETON	1376	1931-1990	364804	40.833	-75.883	LANSFORD	1144	1906-1954
363141	41.350	-76.317	GANOGA LAKE	2275	1908-1915	364809	40.833	-75.883	LANSFORD FOREMANS SHOP	1045	1942-1949
363158	41.817	-79.450	GARLAND 1 SW	1308	1973-1990	364832	40.317	-79.383	LATROBE	1005	1931-1956
363189	40.200	-75.833	GEIGERTOWN	406	1945-1976	364836	40.183	-79.117	LAUREL MTN STATE PARK	2688	1970-1990
363200	40.217	-74.933	GEORGE SCHOOL	140	1907-1978	364853	40.900	-77.217	LAURELTON STATE VILLAGE	806	1948-1990
363211	41.650	-77.667	GERMANIA	1948	1973-1985	364873	41.967	-77.133	LAWRENCEVILLE 2 S	927	1897-1974
363218	39.833	-77.233	GETTYSBURG	547	1839-1982	364891	40.333	-76.483	LEBANON 3 W	465	1828-1962
363223	39.800	-77.233	GETTYSBURG 1 S	535	1948-1951	364893	40.350	-76.483	LEBANON 4 WNW	596	1962-1965
363237	41.850	-78.600	GIFFORD	2224	1948-1958	364896	40.333	-76.467	LEBANON 2 W	457	1948-1990
363298	39.817	-78.833	GLENCOE 1 ENE	1617	1940-1951	364904	41.150	-78.333	LECONTES MILLS 5 NW	2324	1943-1949
363310	41.550	-78.600	GLEN HAZEL 1 NE DAM	1544	1942-1952	364934	40.833	-75.717	LEHIGHTON	587	1935-1990
363311	41.567	-78.600	GLEN HAZEL 2 NE DAM	1735	1953-1990	364972	41.683	-76.717	LE ROY	1044	1889-1990
363316	40.800	-78.500	GLEN HOPE	1370	1990-1991	364979	40.967	-76.867	LEWISBURG	440	1856-1930
363321	40.100	-75.783	GLENMOORE	447	1959-1990	364983	41.867	-78.650	LEWIS RUN	1567	1969-1990
363330	39.800	-76.733	GLEN ROCK	625	1948-1951	364984	41.833	-78.650	LEWIS RUN 3 SE	1748	1947-1970
363343	40.550	-80.217	GLENWILLARD DASH DAM	714	1944-1990	364992	40.583	-77.583	LEWISTOWN	468	1938-1990
363372	40.633	-76.500	GOOD SPRINGS LNW	1504	1948-1951	365045	41.650	-80.417	LINESVILLE	1050	1912-1940
363379	40.750	-76.333	GORDON	904	1903-1955	365050	41.650	-80.433	LINESVILLE 1 S	1038	1914-1990
363394	41.250	-75.450	GOULDSBORO	1894	1914-1987	365081	41.550	-77.383	LLOYD	1200	1911-1930
363413	40.900	-78.700	GRAMPIAN	1450	1864-1905	365104	41.133	-77.417	LOCK HAVEN	557	1888-1977
363422	40.367	-76.683	GRANTVILLE 2 SW	515	1937-1956	365109	41.117	-77.450	LOCK HAVEN SEW PLT	577	1948-1990
363435	40.233	-75.450	GRATERFORD	157	1916-1972	365160	41.050	-75.500	LONG POND 2 W	1864	1947-1990
363437	40.233	-75.433	GRATERFORD 1 E	247	1960-1990	365212	40.450	-79.483	LOYALHANNA LAKE	998	1980-1990
363438	40.633	-76.717	GRATZ 1 N	765	1951-1961	365214	41.317	-76.917	LOYALSOCK	601	1931-1938
363503	39.783	-79.917	GREENSBORO LOCK 7	794	1877-1990	365250	40.317	-79.483	LUXOR	1160	1931-1942
363510	40.267	-79.550	GREENSBURG 2 S	984	1908-1952	365259	40.233	-79.400	LYCIPPUS 1 E	1424	1892-1950
363515	40.300	-79.517	GREENSBURG 2 E	1237	1948-1951	365275	41.600	-79.050	LYNCH	1305	1957-1967
363516	40.283	-79.500	GREENSBURG 3 SE UNITY	1245	1909-1959	365279	40.083	-75.767	LYNDELL 2 NW	-999	1956-1958
363526	41.417	-80.367	GREENVILLE 2 NE	1137	1888-1990	365336	40.833	-78.433	MADERA	1608	1949-1990
363568	41.167	-80.083	GROVE CITY	1256	1907-1942	365342	40.883	-78.733	MAHAFFY	128	1950-1990
363632	40.550	-75.983	HAMBURG	358	1979-1990	365344	40.833	-76.133	MAHANOHY CITY 2 N	1717	1972-1990
363633	40.567	-75.983	HAMBURG 2	387	1974-1985	365347	-99.000	-999.000	MAHONING	820	1888-1990
363662	39.800	-76.983	HANOVER	604	1904-1990	365368	40.183	-75.200	MAPLE GLEN	386	1945-1875
363699	40.217	-76.850	HARRISBURG FAA AP	347	1840-1990	365381	40.400	-77.933	MAPLETON DEPOT	584	1939-1990
363704	40.300	-76.900	HARRISBURG NORTH	324	1931-1963	365390	39.817	-75.417	MARCUS HOOK	17	1931-1990
363758	41.483	-75.167	HAWLEY	898	1912-1990	365400	41.483	-79.100	MARIBNVILLE 2 NE	1787	1948-1951
363761	41.467	-75.183	HAWLEY 1 S DAM	1205	1931-1958	365404	39.850	-77.700	MARION	640	1903-1916
363764	41.450	-75.267	HAWLEY 4 SW	1467	1972-1972	365408	40.750	-79.033	MARION CENTER 2 SE	1616	1940-1990
363859	41.467	-75.183	HAWLEY 1 S DAM	1180	1948-1951	365435	41.850	-78.750	MARSHBURG	2125	1948-1953
363887	40.450	-79.983	HERRS ISLAND DAM	720	1931-1938	365453	40.300	-78.333	MARTINSBURG 1 SW	1365	1938-1951
363897	39.733	-78.533	HEWITT 2 S	844	1940-1950	365454	40.300	-78.317	MARTINSBURG FAA AP/ALT/	1486	1942-1977
364001	40.433	-78.417	HOLLIDAYSBURG 2 NW	997	1888-1951	365470	41.367	-74.700	MATAMORAS	408	1931-1990
364008	41.383	-75.433	HOLLISTERSVILLE	1377	1931-1990	365479	40.867	-75.750	MAUCH CHUNK	835	1889-1954
364012	40.217	-78.933	HOLLSOPPLE	1650	1902-1920	365490	41.600	-79.217	MAYBURG	1154	1945-1957
364019	39.833	-76.333	HOLTWOOD	207	1914-1990	365526	39.933	-78.000	MCCONNELLSBURG 1 SW	867	1888-1966
364027	40.750	-79.100	HOME	1225	1948-1951	365534	40.500	-78.133	MC CONNELLSSTOWN 4 NW	2344	1940-1950
364043	41.617	-75.317	HONESDALE 4 NW	1417	1882-1990	365541	40.833	-79.117	MC CORMICK	1184	1948-1948
364044	41.650	-75.267	HONESDALE 5 NNW	1047	1940-1951	365573	40.350	-79.867	MC KEESPORT	724	1931-1990
364047	40.083	-75.833	HONEY BROOK 1 S	676	1957-1990	365601	41.217	-75.633	MEADOW RUN PONDS	1918	1948-1951
364058	40.150	-78.917	HOOVERSVILLE	1676	1939-1960	365606	41.633	-80.167	MEADVILLE 1 S	1076	1891-1990
364066	41.717	-75.717	HOP BOTTOM 2 SE	904	1944-1974	365611	41.717	-80.233	MEADVILLE 7 NW	1135	1952-1953
364076	40.200	-75.783	HOPEWELL VILLAGE	557	1979-1990	365623	39.933	-75.367	MEDIA	210	1915-1920
364099	40.983	-77.717	HOWARD 4 SW	685	1950-1953	365627	41.283	-78.400	MEDIX RUN	1105	1948-1968
364141	41.250	-76.050	HUNLOCK CREEK 4 N	1187	1971-1973	365649	41.283	-80.200	MERCER WB AIRPORT	1294	1938-1948
364159	40.500	-78.017	HUNTINGDON	677	1888-1974	365650</					

STN #	LAT	LOX	STATION NAME	ELEV	POR	STN #	LAT	LOX	STATION NAME	ELEV	POR
365686	39.783	-79.050	MEYERSDALE 2 SSW	2007	1963-1990	367079	40.417	-75.067	POINT PLEASANT	300	1889-1913
365703	40.183	-76.767	MIDDLETOWN OLNSTED FLD	305	1931-1959	367103	41.817	-78.283	PORT ALLEGANY	1486	1942-1990
365710	40.633	-80.467	MIDLAND DAM 7	694	1936-1961	367108	41.783	-78.283	PORT ALLEGANY 3 SW	1584	1942-1949
365726	40.567	-77.417	MIFPLINTIWN	620	1903-1938	367116	40.583	-76.033	PORT CLINTON	450	1890-1979
365731	41.933	-76.517	MILAN 1 N	777	1948-1951	367127	40.917	-75.100	PORTLAND	304	1942-1955
365738	41.667	-75.067	MILANVILLE	766	1945-1975	367149	40.250	-75.650	POTTSTOWN	127	1876-1956
365752	41.317	-74.800	MILFORD	500	1903-1920	367156	40.683	-76.200	POTTSVILLE	824	1883-1949
365775	40.533	-76.917	MILLERSBURG 2 E	457	1948-1951	367161	40.700	-76.183	POTTSVILLE	695	1941-1971
365790	40.883	-77.483	MILLHEIM	1077	1949-1990	367167	40.650	-78.550	PRINCE GALLITZIN ST PAR	1528	1982-1990
365816	41.117	-76.533	MILLVILLE	654	1938-1950	367217	40.950	-79.000	PUNXSUTAWNEY	1307	1931-1952
365817	41.100	-76.567	MILLVILLE 2 SW	867	1950-1990	367222	40.933	-78.967	PUNXSUTAWNEY 2	1364	1948-1949
365825	40.733	-77.633	MILROY	1037	1944-1966	367229	40.933	-79.283	PUNXSUTAWNEY 2 SE DAM	1287	1942-1990
365884	40.700	-77.900	MONROE FURNACE	1204	1948-1950	367239	40.433	-75.333	QUAKERTOWN	496	1872-1969
365889	41.700	-76.467	MONROETON 2S	2204	1940-1949	367272	41.500	-76.950	RALSTON	854	1949-1950
365902	40.650	-80.383	MONTGOMERY LOCK AND DAM	696	1961-1990	367310	41.867	-77.867	RAYMOND	2207	1948-1990
365915	41.833	-75.867	MONTRICE	1567	1888-1990	367312	40.433	-78.000	RAYSTOWN LAKE 2	847	1974-1990
365920	41.833	-75.867	MONTROSE	1854	1948-1949	367318	40.333	-75.967	READING WB CITY	275	1839-1973
365946	40.767	-76.167	MOREA COLLIERY 1 SW	1467	1971-1972	367322	40.367	-75.933	READING 3 N	270	1973-1990
365956	40.150	-75.900	MORGANTWN	595	1951-1986	367409	41.333	-77.733	RENOVO	667	1896-1990
365971	41.683	-77.017	MORRIS RUN	1708	1925-1940	367410	41.233	-77.767	RENOVO 5 S	2038	1948-1951
365974	40.200	-74.800	MORRISVILLE	34	1825-1887	367411	41.367	-77.733	RENOVO 3 NNE	164	1972-1973
365987	40.900	-79.483	MOSGROVE LOCK 8	814	1913-1951	367417	41.200	-76.100	RETREAT 1 SW	574	1933-1953
366028	40.233	-76.433	MT GREYNA 2 SE	675	1951-1972	367425	41.900	-78.533	REW	2254	1948-1965
366031	40.100	-76.517	MOUNT JOY	375	1857-1873	367443	39.950	-80.000	RICES LANDING L 6	784	1943-1965
366039	40.383	-80.050	MT. LEBANON	1200	1931-1948	367444	39.950	-8.000	RICES LANDING L 6 UPPER	784	1948-1948
366042	40.133	-79.550	MOUNT PLEASANT	1188	1981-1990	367477	41.417	-78.750	RIDGWAY	1366	1890-1990
366046	40.100	-79.433	MT PLEASANT 6 SE	1957	1978-1981	367497	40.867	-76.233	RINGTOWN	1095	1887-1951
366055	41.150	-75.367	MOUNT POCOMO 2 N	1925	1901-1960	367540	40.717	-80.300	ROCHESTER 1 NW	907	1948-1951
366067	40.400	-77.883	MOUNT UNION 1 N	825	1948-1951	367578	40.550	-75.717	RODALE RESEARCH CTR.	558	1983-1990
366068	40.017	-78.183	MOUNTAIN HOUSE	1755	1909-1915	367694	41.783	-76.050	RUSH	1004	1943-1959
366090	41.217	-76.133	MUHLNBURG 1 SE	1115	1953-1960	367727	41.783	-76.117	RUSHVILLE	874	1949-1990
366098	41.350	-76.583	MUNCY VALLEY	940	1909-1942	367728	41.933	-79.067	RUSSELL 3	1500	1983-1990
366111	40.417	-79.733	MURRYSVILLE 2 SW	867	1948-1951	367729	41.933	-79.133	RUSSELL	1248	1960-1983
366126	40.367	-76.300	MYERSSTOWN	484	1938-1990	367730	41.833	-77.467	SABINSVILLE 3 SE	206	1969-1990
366151	40.617	-79.717	NATRONA LOCK 4	764	1931-1990	367732	39.917	-76.383	SAFE HARBOR	278	1948-1948
366174	40.667	-77.917	NEFFS MILLS 3 NE	905	1941-1954	367734	39.983	-75.883	SADSBURYVILLE	649	1911-1920
366194	40.150	-74.950	NESHAMINY FALLS	67	1915-1990	367735	40.783	-79.233	SAGAMORE	1166	1974-1990
366216	40.417	-77.183	NEW BLOOMFIELD	715	1937-1947	367739	40.767	-79.233	SAGAMORE 1 S	1324	1940-1974
366225	40.150	-77.617	NEWBURG 3 W	744	1942-1959	367762	41.417	-78.583	SAINT MARYS	1740	1896-1910
366233	41.017	-80.367	NEW CASTLE 1 N	838	1870-1990	367778	41.417	-75.417	SALEM CORNERS	1600	1869-1920
366234	40.317	-77.567	NEWGERMANTWN	873	1903-1913	367782	40.517	-79.550	SALINA 3 W	1115	1953-1990
366246	40.083	-79.900	NEWELL	817	1901-1980	367796	40.450	-79.483	SALTSBURG	854	1888-1952
366289	39.733	-76.500	NEW PARK	784	1931-1990	367846	40.200	-78.250	SAXTON	787	1941-1990
366297	40.483	-77.133	NEWPORT	384	1931-1990	367855	41.917	-79.033	SCANDIA 1 E	2127	1948-1951
366310	40.233	-79.617	NEW STANTON 1 NW	958	1952-1990	367863	40.683	-79.667	SCHENLEY LOCK 5	784	1931-1990
366326	40.683	-75.683	NEW TRIPOLI 4 E	697	1938-1982	367902	41.417	-75.667	SCRANTON	755	1888-1975
366370	40.117	-75.350	NORRISTOWN	75	1948-1987	367905	41.333	-75.733	SCRANTON WB AIRPORT	935	1955-1963
366396	42.200	-79.817	NORTH EAST 2 SE	1065	1950-1978	367926	40.467	-75.600	SEISHOLTZVILLE	880	1889-1913
366419	40.083	-75.017	NORTH PHILADELPHIA AP	108	1965-1965	367931	40.800	-76.867	SELINSGROVE	428	1888-1990
366508	39.800	-76.050	ORTCHARO LAKE	267	1978-1990	367938	40.383	-75.333	SELLERSVILLE 2 NW	535	1948-1951
366531	40.633	-79.750	OIL CITY	1025	1877-1905	367942	40.017	-79.300	SEVEN SPRINGS	2848	1983-1990
366621	41.917	-76.267	ORWELL 3 N	1624	1943-1960	367956	40.417	-79.017	SEWARD	1124	1938-1952
366622	41.917	-76.300	ORWELL 2 NW	1606	1961-1990	367965	40.183	-77.867	SHADE GAP	927	1948-1951
366636	40.167	-78.517	OSLERBURG	1154	1949-1951	367978	40.800	-76.550	SHAMOKIN	777	1857-1990
366651	40.467	-75.167	OTTISVILLE	390	1889-1913	368000	41.267	-80.467	SHARPSVILLE	954	1938-1952
366681	40.383	-75.500	PALM 3 SE	307	1940-1990	368026	41.700	-79.133	SHEFFIELD 5 W	1925	1948-1954
366689	40.800	-75.617	PALMERTON	415	1917-1990	368057	41.200	-76.133	SHICKSHINNY 3 N	807	1971-1990
366694	40.300	-76.583	PALMYRA	485	1956-1957	368066	41.967	-78.183	SHINGLE HOUSE	1475	1893-1901
366719	41.100	-79.683	PARKERS LANDING	885	1885-1951	368073	40.050	-77.517	SHIPPENSBURG	688	1911-1990
366720	41.100	-79.683	PARKERS LANDING 2	1015	1951-1952	368078	40.617	-80.433	SHIPPINGPORT WE	745	1955-1957
366721	41.083	-79.683	PARKER	1068	1952-1987	368145	41.317	-78.083	SINNEMAHONING	827	1951-1990
366724	41.100	-79.667	PARKER 1 E	1107	1948-1951	368155	41.600	-78.167	SIZERVILLE	1298	1957-1963
366734	40.850	-76.117	PARK PLACE WB	1935	1940-1954	368184	41.050	-80.067	SLIPPERY ROCK 1 SSW	1258	1949-1990
366762	41.400	-75.233	PAUPACK 2 WNW	1368	1912-1990	368190	41.817	-78.433	SMETHPORT	1477	1839-1951
366786	41.283	-75.100	PENNS POND	1384	1945-1958	368203	41.850	-78.483	SMETHPORT 4 N	1528	1985-1990
366822	40.867	-77.050	PERNS CREEK	535	1950-1952	368244	40.000	-79.083	SOMERSET	2106	1949-1990
366840	40.367	-75.300	PERKASIE	406	1969-1978	368249	40.017	-79.083	SOMERSET MAIN ST	2155	1840-1958
366879	39.950	-75.183	PHILADELPHIA DREXEL U	37	1948-1978	368254	40.017	-79.067	SOMERSET 2 E SUBSTATION	2114	1938-1949
366884	39.967	-75.167	PHILA FRANKLIN INST	104	1948-1951	368275	41.517	-75.400	SOUTH CANAAN 1 NE	1407	1948-1951
366888	39.950	-75.150	PHILADELPHIA WSFO	217	1974-1979	368303	40.500	-76.917	SOUTH EATON	660	1889-1908
366889	39.883	-75.233	PHILADELPHIA WSO AP	18	1940-1990	368308	39.850	-77.500	SOUTH MOUNTAIN	1524	1940-1990
366894	39.883	-75.167	PHILADELPHIA NAVY YARD	15	1931-1941	368359	41.800	-80.383	SPRINGBORO	905	1955-1959
366899	39.917	-75.200	PHILADELPHIA PT BREEZE	35	1931-1963	368379	39.867	-76.867	SPRING GROVE	457	1932-1990
366904	40.033	-75.250	PHILADELPHIA SHAWMONT	74	1896-1957	368380	40.283	-75.467	SPRING MOUNT	180	1883-1913
366907	39.967	-75.283	PHILA UPPER DARBY	244	1949-1950	369388	40.217	-75.217	SPRING HOUSE	247	1972-1990
366909	39.950	-75.150	PHILADELPHIA CITY	35	1820-1963	368395	39.733	-79.167	SPRINGS 1 SW	2504	1917-1958
366916	40.900	-78.083	PHILIPSBURG FAA AP	2008	1886-1990	368405	40.617	-78.150	SPRUCE CREEK	764	1946-1953
366927	40.117	-75.500	PHOENIXVILLE 1 E	118	1890-1990	368449	40.800	-77.867	STATE COLLEGE	1177	1882-1990
366936	41.250	-75.067	PICKEREL LAKE	1325	1959-1959	368469	41.400	-78.017	STEVENS DAM	937	1969-1990
366939	41.300	-76.133	PIKES CREEK	1325	1942-1965	368560	40.100	-78.950	STOYSTOWN	1807	1890-1990
366944	41.033	-75.500	PIMPLE HILL	2225	1949-1959	368570	40.483	-76.183	STRAUSSTOWN	604	1945-1990
366954	40.567	-76.367	PINE GROVE 1 NE	544	1931-1961	368589	40.550	-78.917	STRONGSTOWN	1888	1940-1990
366955	40.033	-77.300	PINE GROVE FURNACE	897	1982-1990	368596	41.000	-75.183	STROUDSBURG	486	1910-1990
366962	40.717	-77.900	PINE GROVE MILLS 1 S	2064	1948-1950	368601	40.983	-75.183	STROUDSBURG	395	1948-1951
366992	40.350	-79.933	PTSGBH ALGY CO CAA AP	127	1935-1952	368610	41.017	-78.833	STUMP CREEK	132	1941-1969
366993	40.500	-80.217	PITTSBURGH WSCOM 2 AP	1157	1952-1990	368635	40.317	-76.917	SUMMERDALE (NEAR)	500	1935-1941
366997	40.450	-80.000	PITTSBURGH WSO CI	757	1836-1979	368668	40.850	-76.800	SUNBURY	446	1913-1976
367000	41.783	-79.533	PITTSFIELD 9 WSW	1606	1966-1967	366673	40.883	-76.783	SUNBURY 2 N AIRPORT	454	1942-1949
367029	41.733	-75.450	PLEASANT MOUNT 1 W	1807	1889-1990	368692	41.950	-75.600	SUSQUEHANNA	917	1935-1990

STN # - STATION NUMBER, LAT - LATITUDE, LOX - LONGITUDE, ELEV - ELEVATION, POR - PERIOD OF RECORD, -99.000 - UNKNOWN LATITUDE, -999.00 - UNKNOWN LONGITUDE, -999 - UNKNOWN ELEVATION



STN #	LAT	LON	STATION NAME	ELEV	POR
368699	40.233	-79.800	SUTERSVILLE	737	1940-1961
368725	41.283	-76.133	SWEET VALLEY	1346	1965-1970
368758	40.783	-75.983	TAMAQUA	937	1940-1990
368763	40.850	-75.983	TAMAQUA 4 N DAM	1127	1931-1990
368770	41.400	-77.850	T AMARACK 2 S FIRE TOWER	2226	1940-1961
368839	41.183	-75.583	THORNHURST 1 NW	1685	1951-1951
368866	41.900	-77.117	TIOGA	1000	1864-1879
368873	41.483	-79.433	TIONESTA 2 SE DAM	1205	1939-1990
368880	41.600	-79.667	TITUSVILLE 2 S	1524	1943-1954
368885	41.633	-79.667	TITUSVILLE	1555	1948-1951
368888	41.633	-79.700	TITUSVILLE WATER WORKS	1227	1954-1990
368893	41.183	-75.417	TOBYHANNA	1948	1961-1990
368897	41.783	-79.467	TORPEDO	1467	1970-1973
368901	41.783	-79.533	TORPEDO 4 W	1745	1951-1966
368905	41.750	-76.417	TOWANDA 1 ESE	758	1931-1990
368908	40.583	-76.567	TOWER CITY	864	1949-1951
368910	40.517	-76.617	TOWER CITY 5 SW	744	1937-1961
368912	40.583	-76.517	TOWER CITY 2E	846	1961-1965
368959	41.783	-76.783	TROY	1118	1951-1990
368982	41.567	-75.900	TUNKHANNOCK	627	1942-1973
368989	40.450	-79.383	TUNNELTON	895	1948-1951
368998	41.517	-80.483	TURNERVILLE	1045	1912-1923
369002	41.900	-78.267	TURTLEPOINT 4 NE	1645	1951-1968
369022	40.667	-78.233	TYRONE	897	1972-1988
369024	40.717	-78.200	TYRONE 4 NE BALD EAGLE	1025	1940-1972
369041	41.900	-79.867	UNION CITY 1 W	1244	1938-1950
369042	41.900	-79.817	UNION CITY FILT PLANT	1407	1950-1990
369050	39.917	-79.717	UNIONTOWN 1 NE	967	1888-1990
369074	39.967	-75.300	UPPER DARBY	2005	1950-1959
369099	41.433	-79.950	UTICA	1035	1955-1959
369115	41.317	-79.650	VAN	1188	1981-1990
369128	40.600	-79.550	VANDERGRIFT	804	1913-1988
369133	40.600	-79.600	VANDERGRIFT 2 W	1005	1948-1951
369140	40.583	-79.550	VANDERGRIFT 3 NE	1112	1988-1990
369196	40.517	-75.867	VIRGINVILLE	354	1946-1971
369206	41.417	-79.233	VOWINCKEL	1625	1955-1958
369209	41.400	-79.250	VOWINCKEL 1 WSW	1615	1955-1958
369298	41.850	-79.150	WARREN	1217	1889-1990
369312	40.183	-80.233	WASHINGTON	1208	1948-1981
369318	40.150	-80.267	WASHINGTON 2 SW	1288	1975-1990
369322	40.100	-80.317	WASHINGTON 6 SW	1248	1981-1981
369328	41.300	-77.367	WATERVILLE	624	1914-1920
369340	41.617	-77.550	WATROUS 9S LEE FIRE TWR	2424	1943-1949
369345	41.083	-76.867	WATSONTOWN	495	1948-1966
369362	39.900	-80.217	WAYNESBURG 2 W	984	1931-1962
369367	39.900	-80.167	WAYNESBURG 1 E	947	1948-1990
369380	39.817	-78.083	WEBSTER MILLS 3 SW	916	1948-1951
369385	41.300	-78.483	WEEDVILLE 1 N	1767	1970-1987
369390	40.867	-77.300	WEIKERT	750	1911-1940
369407	41.750	-77.283	WELLSBORO	1324	1931-1950
369408	41.700	-77.267	WELLSBORO 3 S	1867	1879-1990
369412	41.750	-77.267	WELLSBORO 2 E	155	1948-1951
369420	40.050	-76.950	WELLSVILLE	504	1946-1958
369430	40.333	-76.100	WERNERSVILLE 1 W	415	1937-1959
369460	41.933	-77.817	WEST BINGHAM	1780	1914-1927
369464	39.967	-75.633	WEST CHESTER 1 W	457	1849-1990
369465	39.967	-75.550	WEST CHESTER 3 E	146	1982-1982
369490	41.983	-77.567	WESTFIELD 5 N	1888	1981-1988
369496	41.550	-80.483	WESTFORD	1100	1913-1940
369503	39.800	-75.800	WEST GROVE 1 SE	456	1931-1976
369507	41.583	-79.400	WEST HICKORY	1087	1952-1990
369555	40.217	-79.767	WEST NEWTON	774	1891-1948
369650	40.067	-75.783	WHITE HAVEN	1240	1895-1924
369655	40.733	-79.400	WHITESBURG	1325	1940-1990
369702	41.283	-75.850	WILKES-BARRE 4 NE	668	1883-1990
369705	41.333	-75.733	W BARRE SCRANT WSO AP	937	1964-1990
369714	40.450	-78.200	WILLIAMSBURG	848	1949-1989
369723	41.217	-76.950	WILLIAMSPORT 4 SE TWR	1994	1940-1949
369728	41.250	-76.917	WILLIAMSPORT WSO AP	528	1945-1990
369733	41.233	-77.000	WILLIAMSPORT	504	1873-1949
369741	40.583	-76.633	WILLIAMSTOWN	784	1914-1949
369742	40.583	-76.617	WILLIAMSTOWN 1 NE	1185	1951-1951
369781	40.833	-75.300	WIND GAP 1 S	726	1948-1951
369823	40.050	-78.533	WOLFSBURG	1208	1950-1990
369891	41.783	-76.467	WYSOX	718	1885-1893
369933	39.917	-76.750	YORK 3 SSW PUMP STA	394	1888-1990
369938	39.933	-76.733	YORK 1 S FILTER PLANT	647	1948-1951
369943	39.933	-76.717	YORK VIOLET HILL SUBSTN.	460	1941-1946
369950	40.117	-76.717	YORK HAVEN	317	1921-1990
369966	41.850	-79.317	YOUNGSVILLE	1228	1948-1951
369974	40.783	-80.183	ZELIENOPLE	920	1926-1930
369982	40.700	-76.383	ZERBEY AIRPORT	1708	1965-1979
369990	40.900	-76.217	ZION GROVE	947	1951-1973
369994	40.450	-75.467	ZIONSVILLE 1SW	824	1931-1950
369995	40.467	-75.450	ZIONSVILLE 3 SE	688	1950-1990

STN # - STATION NUMBER, LAT - LATITUDE, LON - LONGITUDE, ELEV - ELEVATION, POR - PERIOD OF RECORD, -99.000 - UNKNOWN LATITUDE, -999.00 - UNKNOWN LONGITUDE, -999 - UNKNOWN ELEVATION

WISCONSIN

STN #	LAT	LONG	STATION NAME	ELEV	POR	STN #	LAT	LONG	STATION NAME	ELEV	POR
470045	42.617	-89.067	AFTGN	747	1987-1990	472934	45.650	-92.467	FREDERIC	1247	1948-1971
470124	44.333	-91.933	ALMA DAM 4	677	1937-1990	472973	43.967	-89.817	FRIENDSHIP RANGER STA	965	1948-1991
470175	45.300	-92.367	AMERY	1076	1922-1990	472996	44.083	-91.350	GALESVILLE	697	1938-1990
470205	44.467	-98.283	AMHERST, PORTAGE CO.	1194	1891-1908	473021	43.333	-90.833	GAYS MILLS	735	1939-1956
470239	45.133	-89.150	ANTIGO 1 SSW	1456	1894-1990	473022	43.317	-90.850	GAYS MILLS	708	1981-1990
470265	44.250	-88.383	APPLETON	758	1891-1990	473038	43.567	-91.233	GENOA DAM 8	646	1936-1990
470273	43.033	-89.433	ARBORETUM U OF WISC	877	1971-1990	473058	43.217	-88.117	GERMANTOWN	856	1944-1990
470307	43.333	-89.367	ARLINGTON	1044	1931-1971	473182	45.150	-90.067	GOODMAN	1397	1959-1990
470308	43.300	-89.350	ARLINGTON UNIV FARM	1088	1962-1990	473186	46.250	-91.800	GOODRICH 1 E	1395	1945-1990
470349	46.567	-90.967	ASHLAND EXPERIMENT FARM	656	1900-1990	473242	45.783	-89.300	GORDON	1047	1951-1990
470448	45.783	-90.750	BABBS ISLAND	1304	1943-1953	473244	45.783	-92.700	GRAND RIVER LOCK	774	1896-1954
470456	44.300	-90.117	BABCOCK 1 WNW	986	1948-1951	473269	44.483	-88.133	GRANTSBURG	1104	1948-1990
470486	44.967	-92.383	BALDWIN 1 SW	1107	1948-1990	473322	46.467	-90.500	GRANTSBURG	997	1889-1950
470516	43.467	-89.733	BARBABOO	824	1892-1990	473329	44.883	-88.133	GREEN BAY WSO AP	687	1886-1990
470565	45.500	-91.833	BARRON, BARRON CO.	1115	1891-1921	473405	44.117	-89.533	GURNEY	986	1952-1990
470603	46.883	-90.817	BAYFIELD 6 N	825	1891-1990	473453	43.317	-88.400	HANCOCK EXPERIMENT FARM	1085	1892-1990
470645	43.450	-88.850	BEAVER DAM	845	1948-1990	473471	44.400	-90.733	HARTFORD 2 W	988	1948-1990
470696	42.500	-89.033	BELOIT	785	1850-1990	473511	46.000	-91.483	HATFIELD HYDRO PLANT	956	1893-1990
470735	43.967	-88.950	BERLIN LOCK	784	1891-1951	473550	46.633	-91.263	HAYWARD RANGER STATION	1205	1890-1990
470740	43.983	-88.950	BERLIN	768	1948-1951	473649	43.650	-90.333	HERBSTER, BAYFIELD CO.	-999	1907-1909
470773	45.550	-90.950	BIG FALLS HYDRO	1228	1956-1990	473654	43.650	-90.333	HILLSBORO	1004	1931-1958
470786	45.917	-89.533	BLG SAINT GERMAIN DAM	1627	1910-1971	473698	45.217	-91.133	HILLSBORO	945	1891-1990
470855	44.283	-90.850	BLACK RIVER FALLS SEW	816	1948-1951	473756	43.450	-88.633	HOLCOMBE	1035	1931-1990
470882	44.300	-91.233	BLAIR	867	1891-1990	473800	45.417	-90.167	HURLEY	887	1970-1990
470890	42.800	-89.867	BLANCHARDVILLE	838	1948-1953	473917	46.567	-91.403	IRON RIVER, BAYFIELD CO.	1096	1909-1947
470892	42.800	-89.867	BLANCHARDVILLE NO 2	836	1954-1990	473979	42.667	-89.017	JANESVILLE	765	1944-1987
470904	45.100	-91.483	BLOOMER	987	1944-1990	474080	45.367	-90.767	JUMP RIVER 3 E	1277	1939-1990
470929	42.967	-89.817	BLUE MOUNDS 5 S	947	1962-1990	474174	42.550	-87.783	KENOSHA	607	1948-1990
470991	44.867	-88.983	BOWLER	1085	1948-1990	474195	44.433	-87.517	KEWAUNEE 5 S	657	1908-1990
471039	45.833	-88.250	BREAKWATER	1144	1922-1989	474282	44.717	-89.700	KNOWLTON 1 W	1125	1948-1953
471044	45.050	-88.417	BREED 6 SSE	877	1959-1990	474295	45.383	-89.183	KOEPENICK, LANGLADE CO	1683	1890-1925
471064	44.183	-88.067	BRILLION	825	1924-1990	474365	43.817	-91.183	LA CROSSE EXP FARM	1265	1948-1951
471078	42.617	-89.383	BROADHEAD	796	1898-1990	474367	43.817	-91.233	LA CROSSE STATE U	656	1955-1970
471131	46.533	-91.583	BRULE RNG STA	1007	1940-1990	474370	43.867	-91.250	LA CROSSE FAA AP	657	1872-1990
471139	45.950	-88.217	BRULE ISLAND	1257	1922-1989	474375	43.800	-91.250	LA CROSSE WB CITY	715	1931-1952
471155	46.017	-89.317	BUCKATABON	1654	1948-1990	474383	46.133	-89.133	LAC VIEUX DESERT	1695	1908-1990
471205	42.667	-88.267	BURLINGTON	765	1945-1990	474391	45.467	-91.083	LADYSMITH	1168	1901-1983
471213	43.467	-88.700	BURNETT 3 S	976	1903-1970	474396	45.467	-91.133	LADYSMITH RANGER STA	1166	1948-1951
471245	46.018	-90.492	BUTTERNUT, ASHLAND CO.	1508	1889-1909	474404	43.567	-90.633	LA FARGE	816	1948-1955
471280	43.750	-90.783	CASHTON	1386	1949-1988	474457	42.600	-88.433	LAKE GENEVA	884	1948-1990
471282	43.717	-90.767	CASHTON 2 S	1336	1956-1969	474482	43.067	-88.917	LAKE MILLS	857	1891-1990
471283	43.700	-90.700	CASHTON 5 SE	1345	1956-1969	474523	45.333	-88.500	LAKEMOOD 3 NE	1296	1968-1990
471284	43.683	-90.750	CASHTON 4 SSE	1245	1956-1969	474546	42.833	-90.783	LANCASTER 4 WSW	1047	1891-1990
471308	44.933	-91.883	CEDAR FALLS HYDRO PLANT	834	1948-1990	474555	46.167	-89.217	LAND O LAKES	1715	1941-1954
471416	43.050	-89.467	CHARMANY FARM	917	1959-1990	474582	45.517	-88.750	LAONA 6 SW	1537	1931-1990
471543	44.900	-90.217	CHEROKEE	1285	1948-1954	474720	45.350	-88.833	LILY 3 NNE	5	1948-1951
471568	44.033	-88.150	CHILTON	846	1894-1990	474821	43.200	-90.183	LONE ROCK FAA AP	717	1944-1983
471578	44.933	-91.383	CHIPPEWA FALLS	856	1889-1951	474829	45.900	-89.133	LONG LAKE DAM	1634	1908-1990
471667	42.600	-88.883	CLINTON 2 NNW	907	1940-1990	474894	45.567	-92.467	LUCK	1227	1971-1990
471676	44.617	-88.750	CLINTONVILLE	805	1864-1990	474937	43.217	-91.100	LYNXVILLE DAM 9	636	1936-1990
471708	44.367	-89.533	CODDINGTON 1 E	1068	1921-1984	474953	46.833	-90.633	MADELINE ISLAND	624	1944-1990
471720	44.883	-90.300	COLBY 2 S	1335	1949-1951	474961	43.133	-89.333	MADISON WSO AP	867	1940-1990
471806	43.750	-91.017	COON VALLEY EXP FARM	1295	1948-1951	474966	43.083	-89.400	MADISON WB CITY	945	1855-1963
471830	46.800	-91.100	CORNUCOPIA, BAYFIELD CO.	640	1912-1937	475017	44.100	-87.683	MANITOWOC	666	1863-1990
471847	45.867	-91.450	COUDERAY 7 W	1307	1948-1990	475091	45.100	-87.633	MARINETTE	615	1919-1990
471875	45.567	-88.900	CRANDON RANGER STATION	1644	1891-1953	475120	44.650	-90.133	MARSHFIELD EXP FARM	1257	1913-1990
471897	45.283	-88.200	CRIVITZ HIGH FALLS	1058	1911-1990	475148	42.517	-89.800	MARTINTOWN	796	1953-1987
471913	42.617	-90.417	CUBA CITY	968	1931-1951	475164	44.183	-90.367	MATHER 3 NW	977	1903-1990
471923	45.533	-92.017	CUMBERLAND	1246	1931-1990	475178	43.783	-90.067	MAUSTON 1 S	875	1896-1990
471931	44.950	-90.433	CURTISS	1375	1939-1983	475236	44.233	-90.233	MEADGWALLEY R S	1006	1891-1953
471970	43.650	-89.200	DALTON	864	1944-1990	475255	45.133	-90.350	MEDFORD	1477	1889-1990
471978	46.017	-92.367	DANBURY	955	1919-1990	475286	46.433	-90.617	MELLEN 4 NE	1307	1931-1990
472001	42.683	-90.117	DARLINGTON	937	1901-1990	475298	44.200	-88.467	MENASHA	745	1896-1956
472041	45.200	-92.400	DEER PARK	106	1948-1951	475315	43.200	-88.167	MENOMONIE FALLS, WAUKESH	842	1909-1915
472050	42.633	-88.317	DELEVAN, WALWORTH CO.	920	1886-1922	475330	44.867	-91.917	MENOMONIE	895	1938-1957
472165	44.133	-91.550	DODGE	685	1945-1990	475335	44.883	-91.933	MENOMONIE	786	1948-1990
472173	42.967	-90.117	DODGEVILLE 1 NE	1118	1891-1990	475352	46.167	-90.067	MERCER RANGER STATION	1606	1948-1951
472209	45.050	-92.100	DOWNING, DUNN CO.	983	1891-1937	475364	45.183	-89.683	MERRILL	1257	1905-1990
472240	46.333	-91.267	DRUMMOND	1347	1948-1990	475469	43.033	-87.967	MILWAUKEE MARQ HIGH	-999	1948-1951
472279	44.633	-91.967	DURAND	867	1948-1955	475474	43.067	-88.033	MILWAUKEE MT MARY CGL	726	1948-1990
472302	42.950	-88.450	EAGLE 5 N	908	1948-1951	475477	43.117	-87.933	MILWAUKEE N SIDE	637	1949-1976
472314	45.917	-89.250	EAGLE RIVER	1657	1948-1990	475479	42.950	-87.900	MILWAUKEE WSO AP	677	1941-1990
472423	44.817	-91.500	EAU CLAIRE	775	1891-1960	475484	43.033	-87.900	MILWAUKEE WB CITY	625	1841-1954
472428	44.867	-91.483	EAU CLAIRE FAA AIRPORT	896	1949-1990	475516	45.883	-89.733	MINOCQUA DAM	1594	1903-1990
472447	44.733	-89.750	EAU PLEINE RESERVOIR	1145	1948-1990	475524	46.100	-91.817	MINONG RANGER STATION	1087	1948-1951
472507	43.800	-88.633	EL DORADO 1 SSW	898	1939-1981	475525	46.083	-91.917	MINONG 5 WSW	1086	1961-1990
472556	44.733	-92.483	ELLSWORTH	1038	1944-1990	475563	44.567	-91.683	MONDOVI	838	1908-1990
472678	44.600	-90.967	FAIRCHILD RANGER STA	1085	1939-1990	475573	42.600	-89.667	MONROE 1 W	995	1939-1990
472745	43.000	-90.650	FENNIMORE 1 NE	1185	1948-1951	475581	43.800	-89.317	MONTELEO	786	1954-1990
472814	46.067	-90.233	FLAMBEAU RESERVOIR	1574	1926-1981	475677	43.000	-89.767	MOUNT HOREB 1 WSW	1225	1904-1962
472820	45.93	-88.25	FLORENCE, FLORENCE CO.	1290	1891-1930	475718	43.200	-90.433	MUSCODA	718	1909-1986
472839	43.800	-88.450	FOND DU LAC	766	1886-1990						

STN #	L	A	T	LON	STATION NAME	ELEV	POR	STN #	LAT	LON	STATION NAME	ELEV	POR
476122	45.633	-89.250			NORTH PELICAN	1615	1948-1990	479144	45.400	-91.383	WEYERHAUSER 2 SSE	1208	1895-1990
476200	43.100	-88.500			OCONOMOWOC	867	1944-1990	479190	42.850	-88.733	WHITEWATER	805	1941-1990
476208	44.900	-87.950			OCONTO 4 W	666	1891-1990	479218	44.767	-90.717	WILLARD 2 NNE	1498	1948-1951
476280	43.717	-90.583			ONTARIO 1 SSE	887	1978-1990	479226	42.583	-88.533	WILLIAMS BAY	895	1903-1958
476320	45.367	-92.750			OSCEOLA, POLK CO.	806	1891-1921	479236	45.717	-89.850	WILLOW RESERVOIR	1564	1934-1990
476330	44.050	-88.550			OSHKOSH	758	1889-1990	479304	45.883	-91.067	WINTER 6 NNW	1316	1915-1990
476357	44.950	-90.533			OWEN	1245	1948-1990	479319	43.633	-89.783	WISCONSIN DELLS	848	1922-1990
476398	45.933	-90.450			PARK FALLS	1525	1910-1990	479335	44.383	-89.800	WISCONSIN RAPIDS	1045	1893-1990
476510	45.067	-87.733			PESHIGO	607	1948-1951	479345	44.400	-89.817	WIS RAPIDS GRAND AVE BR	1004	1931-1990
476518	46.050	-89.033			PHELPS DEERSKIN DAM	1685	1910-1990						
476594	44.183	-89.033			PINE RIVER 3 NE	908	1894-1982						
476622	44.433	-90.133			PITTSVILLE	1037	1938-1987						
476646	42.750	-90.483			PLATTEVILLE	1026	1936-1990						
476667	45.317	-86.950			PLUM ISLAND, DOOR CO.	588	1908-1944						
476678	43.750	-87.983			PLYMOUTH	876	1910-1990						
476718	43.533	-89.433			PORTAGE	808	1889-1990						
476750	44.333	-89.883			PORT EDWARDS, WOOD CO.	969	1910-1919						
476764	43.383	-87.867			PORT WASHINGTON	605	1892-1990						
476772	46.767	-91.383			PORT WING 2 E	858	1948-1985						
476827	43.033	-91.150			PRAIRIE DU CHIEN	666	1836-1990						
476838	43.317	-89.733			PRAIRIE DU SAC 2 N	785	1908-1990						
476854	45.550	-90.300			PRENTICE	1546	1948-1951						
476859	45.517	-90.283			PRENTICE 2	1547	1898-1990						
476922	42.717	-87.783			RACINE	608	1897-1990						
476939	45.833	-89.550			RAINBOW RESERVOIR	1607	1948-1990						
477015	43.450	-90.767			READSTOWN	797	1954-1985						
477052	43.533	-90.017			REEDSBURG	916	1914-1990						
477092	46.133	-89.883			REST LAKE	1604	1910-1990						
477113	45.633	-89.417			RHINELANDER	1586	1908-1990						
477121	44.967	-89.900			RIB FALLS	1264	1948-1990						
477132	45.500	-91.750			RICE LAKE	1136	1948-1990						
477140	45.533	-89.750			RICE RESERVOIR	1465	1948-1990						
477158	43.333	-90.383			RICHLAND CENTER	734	1889-1990						
477174	45.217	-91.883			RIDGELAND 1 N N E	966	1942-1990						
477182	43.000	-90.000			RIDGEWAY	-999	1944-1951						
477207	43.850	-88.817			RIPON 1 E	-999	1948-1950						
477209	43.867	-88.750			RIPON 5 NE	934	1910-1990						
477226	44.867	-92.617			RIVER FALLS	905	1918-1990						
477341	43.817	-88.683			ROSENDALE	-999	1948-1950						
477349	44.767	-89.250			ROSHOLT 9 NNE	1168	1941-1990						
477464	45.417	-92.650			ST CROIX FALLS	776	1950-1990						
477480	45.900	-89.450			SAINT GERMAIN 2 SE	1637	1971-1990						
477612	46.500	-90.383			SAXON 1 NE	1105	1948-1952						
477636	44.571	-88.350			SEYMOUR	798	1983-1990						
477708	44.767	-88.617			SHAWANO	817	1891-1990						
477725	43.750	-87.717			SHEBOYGAN	656	1899-1990						
477792	43.100	-87.900			SHOREWOOD	666	1959-1966						
477810	42.567	-91.233			SHULLBURG, LAFAYETTE CO	1019	1906-1919						
477869	43.383	-90.783			SOLDIERS GROVE	927	1978-1987						
477892	46.350	-91.817			SOLON SPRINGS	1085	1906-1990						
477980	45.533	-89.200			SOUTH PELICAN	1605	1948-1990						
477997	43.933	-90.817			SPARTA	787	1936-1990						
478018	45.450	-89.967			SPIRIT FALLS	1476	1948-1990						
478027	45.817	-91.883			SPOONER EXPERIMENT FARM	1106	1894-1990						
478080	44.850	-92.233			SPRING VALLEY	927	1949-1990						
478110	44.967	-90.933			STANLEY	1127	1903-1990						
478163	43.183	-90.883			STEBEN 1 NW	696	1939-1954						
478171	44.500	-89.567			STEVENS POINT	1085	1893-1990						
478229	42.917	-89.217			STOUGHTON	847	1931-1990						
478241	44.833	-90.083			STRATFORD 2 NNW	1266	1945-1990						
478259	44.500	-91.450			STRUM 4 S	886	1948-1951						
478267	44.867	-87.333			STURGEON BAY EXP FARM	665	1905-1990						
478288	45.867	-89.400			SUGAR CAMP	1614	1910-1990						
478324	45.383	-89.200			SUMMIT LAKE RANGER STA	1734	1948-1990						
478349	46.700	-92.017			SUPERIOR	636	1909-1990						
478478	45.717	-89.000			THREE LAKES 10 SE	1727	1948-1951						
478515	44.000	-90.500			TOMAH RANGER STATION	966	1948-1951						
478520	45.467	-89.733			TOMAHAWK	1454	1948-1949						
478528	45.433	-89.750			TOMAHAWK SPIRIT RES	1444	1902-1977						
478561	45.333	-88.583			TOWNSEND	1365	1945-1968						
478589	44.000	-91.433			TREMPEALEAU DAN 6	666	1937-1990						
478650	46.000	-89.200			TWINLAKES DAM, VILAS CO	1625	1910-1920						
478672	44.150	-87.567			TWO RIVERS	605	1950-1990						
478723	42.700	-88.050			UNION GROVE	738	1941-1990						
478805	44.000	-90.450			VALLEY JUNCTION, MONROE	929	1892-1916						
478827	43.567	-90.900			VIROQUA	1208	1890-1990						
478872	42.533	-88.567			WALNORTH	1005	1958-1959						
478905	45.367	-86.933			WASHINGTON ISLAND	616	1944-1990						
478919	43.200	-88.717			WATERTOWN	828	1891-1990						
478937	43.017	-88.233			WAUKESHA	865	1891-1987						
478951	44.350	-89.067			WAUPACA	846	1895-1990						
478963	44.867	-89.650			WAUSAU	1186	1948-1951						
478968	44.917	-89.617			WAUSAU FAA AIRPORT	1205	1895-1990						
478971	44.950	-89.617			WAUSAU RECORD HERALD	1225	1900-1960						
478978	45.383	-87.950			WAUSAUKEE	755	1948-1990						
479046	43.017	-87.983			WEST ALLIS	725	1951-1987						
479050	43.400	-88.183			WEST BEND	946	1895-1990						
479062	43.667	-90.800			WESTBY 2 NE	1285	1956-1990						
479119	43.900	-91.083			WEST SALEM	744	1938-1954						

STN # - STATION NUMBER, LAT - LATITUDE, LON - LONGITUDE, ELEV - ELEVATION, POR - PERIOD OF RECORD, -99.000 - UNKNOWN LATITUDE, -999.00 - UNKNOWN LONGITUDE, -999 - UNKNOWN ELEVATION