

TECHNICAL PUBLICATION SJ 82-1  
Frequencies of High and Low  
Stages for Principal Lakes in the  
St. Johns River Water Management  
District

By

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## ABSTRACT

St. Johns River Water Management District includes a major portion of that region of Florida which is characterized by many lakes. Water levels in these lakes are of utmost concern to lake side dwellers, for preservation of aquatic life, ecological balance, water front stability and to all those who avail of the recreational and other opportunities provided by the lakes. Lake levels fluctuate, sometimes beyond control, even under planned regulation conditions because of the vagaries of weather. For different principal lakes in the District, this publication provides information on the past levels (i.e., monthly mean elevations, and high and low elevations recorded for different continuous periods) and the future expected elevations evaluated by frequency analyses.

## LAKES OF THE ST. JOHNS RIVER WATER MANAGEMENT DISTRICT

St. Johns River Water Management District comprising of all or parts of 19 counties in Northeast Florida (Figure 1) includes a major portion of that region of Florida which is characterized by many lakes. Figures 2-4 present the location of several lakes which are gaged. The chain of interconnected lakes in the Oklawaha Basin, including Apopka, Harris, Eustis, Griffin, Dora and others, are important recreational assets (Figure 3). Local citrus growers have claimed that the lakes provided a temperature moderating effect. The large, shallow lakes along the main stem of the St. Johns River, such as Lake George, Harney, Monroe and others, are a distinct feature of the basin although they may be considered only as wide reaches of the river (Figure 2).

The water surface elevation of lakes in the District ranges from 0.5 ft. below sea level along the St. Johns River during droughts to almost 178 ft. above sea level for Kingsley Lake (Clay County) during flood periods. Fluctuations in stages range from less than 2 ft. for Sand Hill Lake (Clay County) to more than 32 ft. for Pebble Lake (Clay County). Lakes range in size from less than 1 acre for some sinkhole lakes to about 70 square miles (mi<sup>2</sup>) for Lake George. Lake Apopka, with a surface area of 47.9 mi<sup>2</sup>, is the largest lake that is not a part of the main stem of the St. Johns River. Seven other lakes in the District exceed 10 mi<sup>2</sup>.

The quality of water in lakes which are along the St. Johns and Oklawaha Rivers, tends to be similar to that of the stream system of which they are a part. Lakes without surface outlets and sinkhole type lakes have good quality water because the water movement is generally downward, surface runoff containing little mineralization. However, man's use of fertilizers and

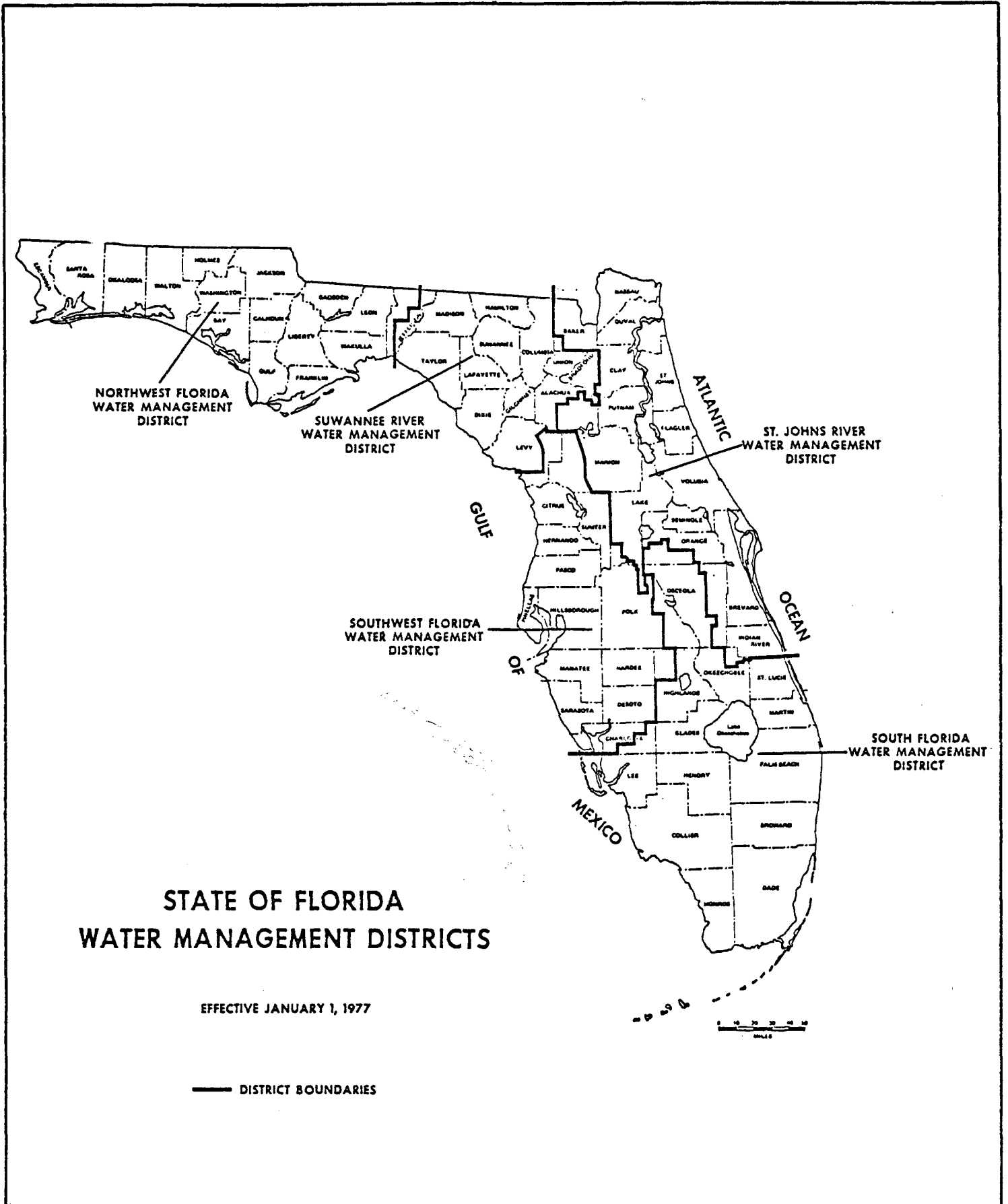


Figure 1. --State of Florida Water Management Districts

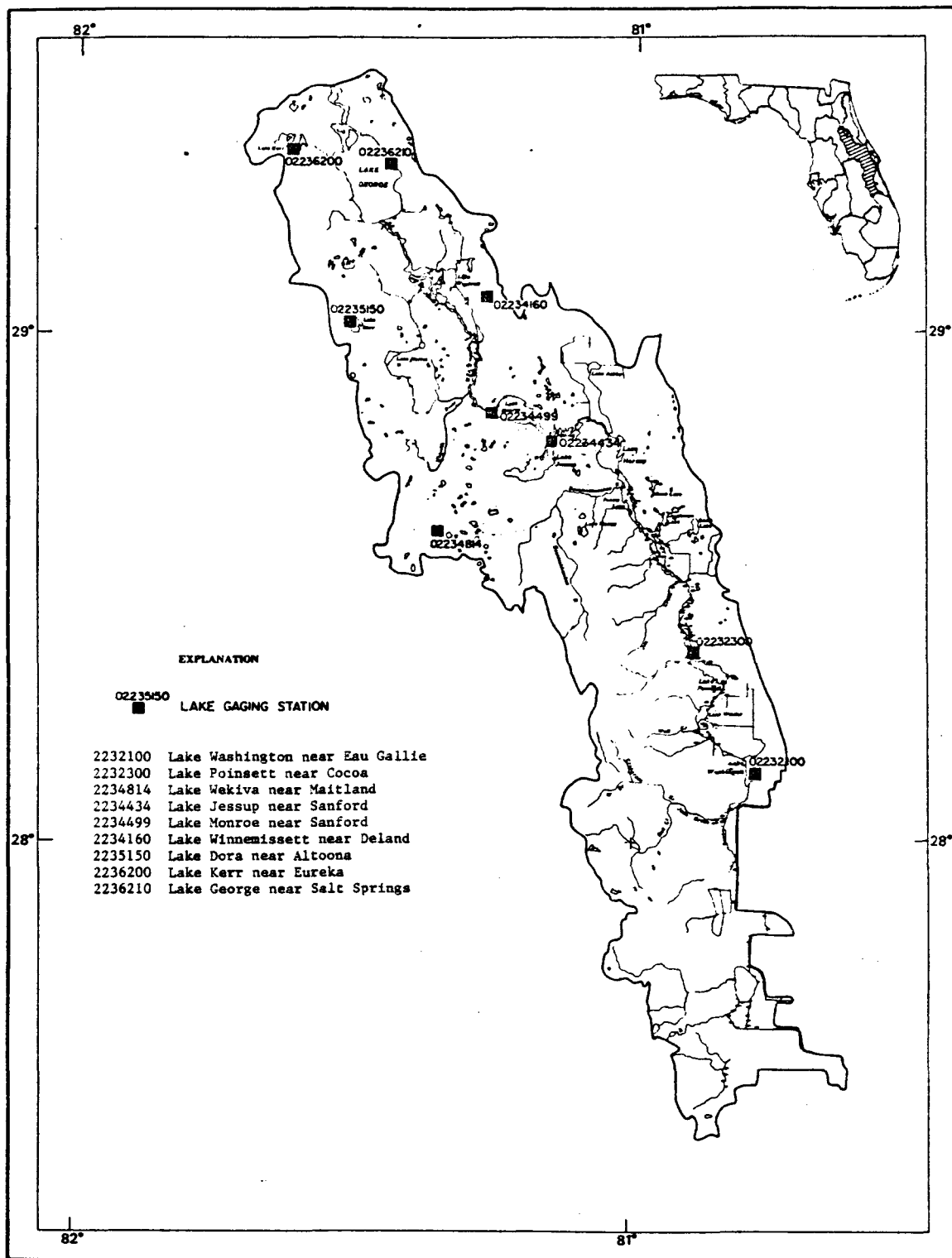


Figure 2. --Location of Lake Gaging Stations in the Upper and Middle St. Johns River Basins

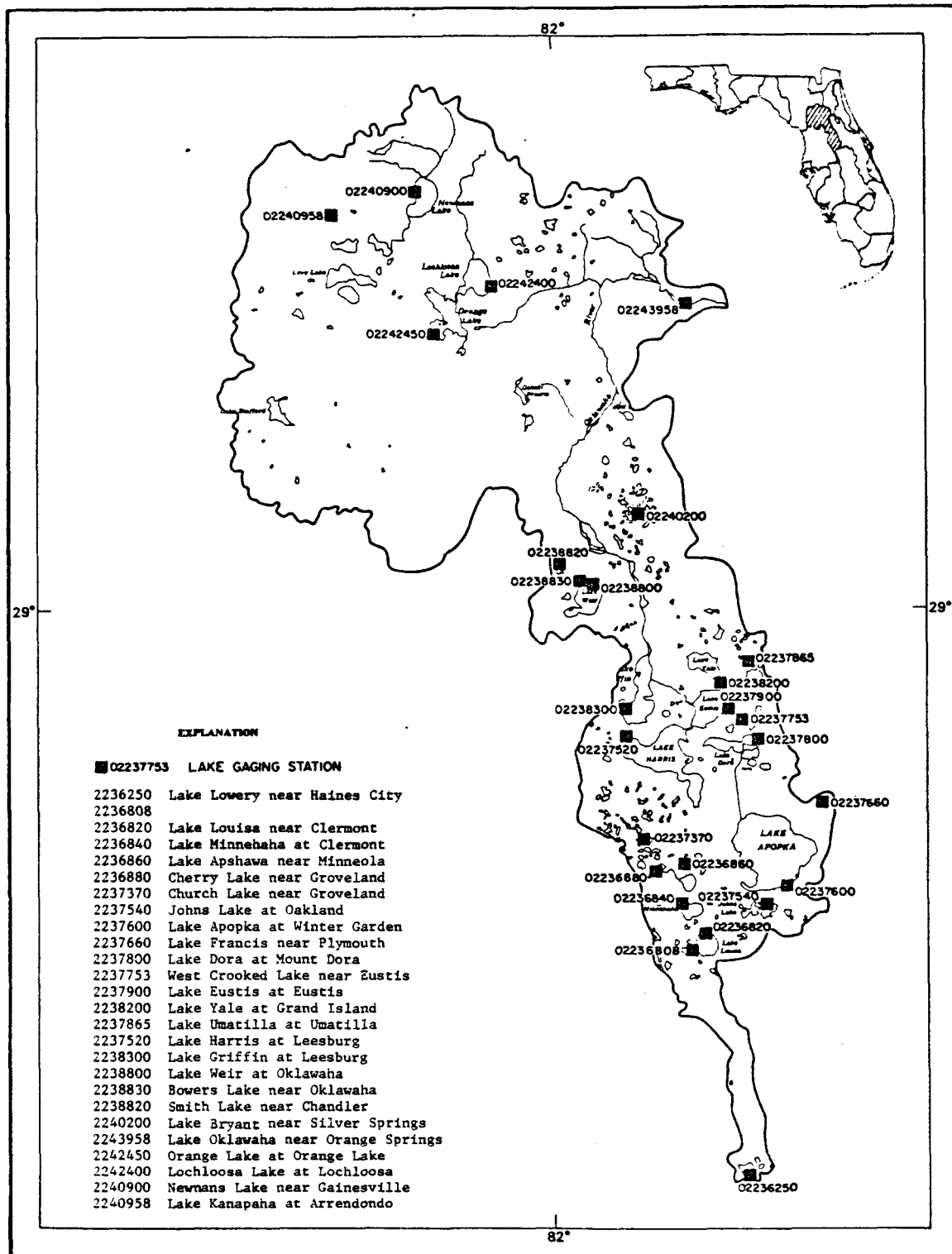


Figure 3. --Location of Lake Gaging Stations in the Oklawaha River Basin

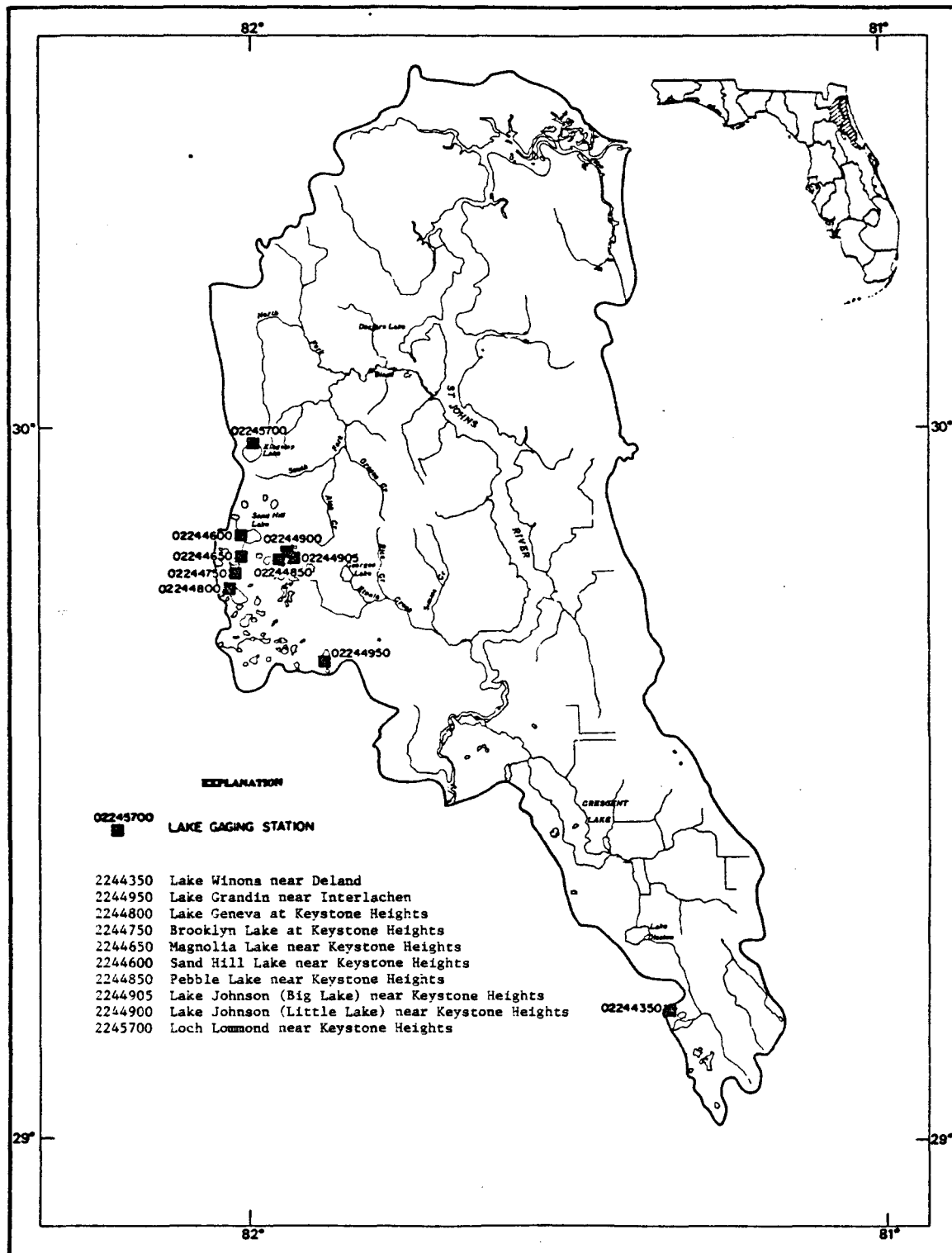


Figure 4. --Location of Lake Gaging Stations in the Lower St. Johns River Basin

pesticides, some of which are subsequently carried by surface and subsurface waters draining into lakes are adding chemical constituents which are deleterious to water quality. Some lake water is used for the irrigation of residential areas and adjacent citrus groves, but the primary value of lakes in the District is for recreation and home sites. The only lake used as a source of municipal water supply is Lake Washington.

#### CLIMATE

The St. Johns River Water Management District, situated between 17 1/2 and 31 degrees north latitude, overlaps the transitional zone between the sub-tropical climate characteristic of South Florida, and the humid, temperate climate associated with the remainder of the Southeastern United States.

Temperatures: Mean annual temperatures in the District range from 69° F (Glen St. Mary) to about 74° F (Orlando). Daily summer maximums and minimums average about 90° F and 72° F, respectively. The mean daily lows range from 66° F (Glen St. Mary) to 71° F (Vero Beach). Freezing temperatures occur on an average 10 to 15 times per winter in northern parts.

Precipitation: Precipitation in the District occurs primarily as rainfall. The normal District-wide rainfall is about 55 inches, major share of which occurs as short duration showers and thunderstorms during the months of June through September. Central Florida experiences more thunderstorms annually than any other part of the United States. Tropical disturbances can affect District rainfall patterns during any given year and contribute large amounts of rain over a short period of time.

Evapotranspiration: Annual evapotranspiration losses have been estimated to range from 35 to 40 inches for the St. Johns River Basin and from 40 to 44 inches for north central Florida. In central Florida the average lake evaporation was estimated to be 49 inches. The mean pan evaporation rates for Gainesville and Vero Beach for the period of 1961-75 were 65.5" and 65.6", respectively.

#### OBJECTIVE

Water levels in lakes are of utmost concern to lake side dwellers, for preservation of aquatic life, ecological balance, water front stability and to all those who avail of the recreational and other opportunities provided by the lakes. A common characteristic of the lakes is that their levels fluctuate, sometimes beyond control, even under planned regulation conditions due to the vagaries of weather. Water levels in the lakes are the net result of many factors, such as rainfall, runoff characteristics of the basin, evapotranspiration, seepage, discharges from the other water bodies, etc. For different principal lakes in the District, this publication provides information on the past levels (i.e., monthly mean elevations, high levels and low levels recorded for different continuous periods) and the future expected extreme elevations. Principal lakes are defined as those lakes which have at least ten years of continuous records.

Chapter 373 of the Florida Statutes, also known as "Florida Water Resources Act of 1972," stipulates that the Water Managements Districts shall establish 'minimum flows and levels' for the water bodies of the State. The minimum flow for a given water course is the limit at which further withdrawals would be significantly harmful to the water resources or ecology of



the area. Similarly, minimum water level is the level of ground water in an aquifer or the level of surface water at which further withdrawals would be significantly harmful to the water resources of the area. This publication provides fundamental information necessary for the establishment of minimum levels in lakes but does not establish those levels. Further, man's development activities within the natural floodplains of water bodies can increase the flood peaks/elevations besides causing flood damages. Therefore, such activities need to be carefully reviewed. The peak elevations presented herein will provide the necessary data base for performing such evaluations through the District's regulatory functions. In addition, this information will find use in different District related activities and also will serve as public information for citizens.

#### BASIC DATA

A systematic collection of water resources data in the State of Florida began in 1930 by the U. S. Geological Survey (USGS) and has been continued in cooperation with state, federal, and local agencies. Recording lake elevations is a part of this program. Records of stage are obtained from either direct readings on a non-recording gage or from a water-stage recorder that gives either a continuous graph of the fluctuations or a tape punched at selected time intervals. The USGS consolidates several kinds of data and publishes all data in yearly volumes (see, for example, Reference 3).

For lakes which have continuous stage records the USGS evaluates the mean value for the day, and for other lakes once-daily values are available. In the case of some less important lakes, stage readings are taken once or twice a week. Refer to the USGS publications (e.g., Ref. 3) for complete details of data.

Data Presentation: For lakes for which daily stage records are available, the historic data are presented in three separate forms:

- (i) Monthly mean elevations for each water year (i.e., twelve month period ending September 30).
- (ii) The highest mean elevations recorded for 1-, 7-, 14-, 30-, 60-, 120-, 183-, and 274- consecutive days in each year. For lakes in this region the high stage period is unbroken during the year ending May 31. Thus, the 12 month period ending May 31 is taken as the reference year for this presentation.
- (iii) The lowest mean elevations recorded for 1-, 7-, 14-, 30-, 60-, 120-, 183-, and 274- consecutive days in each year. The water year is taken as reference for this presentation since the low stage period is unbroken during this year.

#### FREQUENCY ANALYSIS

Frequency analysis is a statistical technique by which the extreme events of rare occurrence are estimated. The historic extreme events, such as the annual high or annual low elevations are assumed as the results of random phenomena i.e., the processes governed by the laws of probability. However, there is no specific probability law which is known to govern these events. Commonly a known probability distribution which is best applicable to observed data is chosen and fit to data samples. By special studies conducted at the District the Log Pearson type 3 distribution as described in References 1 and 2 has been found to be best applicable to determine the frequencies of hydrologic data. This distribution was applied in the present

analysis, but graphical adjustments were made on the derived frequency curves where deemed necessary.

Data Preparation: Frequency analysis was conducted on the annual highest and the annual lowest stage data. For evaluating high stage and low stage data the same reference years described in the foregoing section were used. For lakes having daily stage data these values can be seen in the tables of high/low stage data presented in the subsequent sections.

For an application of probability theory it is required that the data events are random and independent. These requirements are not truly fulfilled in the case of lakes which are partially controlled. Another requirement is that the data are homogeneous, i.e., the same basin conditions existed throughout the period of record and for the results to be applicable the same conditions will exist in the future. This requirement also is mostly not fulfilled because the basin conditions are not stationary and also for some lakes the control structures were either built or altered sometime during the period of record. For the purpose of this analysis it was assumed that at least the annual extreme events are uncontrollable and thus random. Where it was known that the extreme events occurred by accidents (e.g., dike failure) or man made (e.g., emptying of a lake for environmental management or for construction of a structure), such events were excluded from analysis. While the statistical analysis provides possible answers regarding the future events, it should be understood that uncertainties do exist because of short lengths of records and limitations on even the available data.

For some lakes the highest (or the lowest) observed elevation during the period of record may be too extreme compared to the trend of the other annual extreme values. Such values are known as "outliers"; the recurrence interval

for these values will be much higher than the period of record. The readers will notice some "outliers" among the data presented.

For presentation of data and results, the lakes have been divided into three groups: 1) Principal lakes in the Upper and Middle St. Johns River Basins, 2) Principal lakes in the Oklawaha River Basin, and 3) Principal lakes in the Lower St. Johns River Basin. No major lakes exist in the St. Marys River Basin and the Coastal Basins.

PRINCIPAL LAKES IN THE UPPER AND MIDDLE ST.  
JOHNS RIVER BASINS

Table 1 presents some general information on the principal lakes in the Upper and Middle St. Johns River Basins. Several lakes in these basins are part of the St. Johns River (Figure 2) and thus the fluctuations in their elevations are subject to the discharge variations in the river. Elevations in the Blue Cypress Lake and Lake Washington are partially controlled by structures located downstream. Also gage readings of lakes on the St. Johns River are affected by wind action and/or tide.

Tables 2A-2B present the results of frequency analysis on the annual high and annual low stage data. The highest elevations recorded during the period of record for Lakes Wekiva and Kerr (Table 2A) may be regarded as "outliers".

Monthly mean stage data and the highest and the lowest elevations experienced by the Lakes for different durations appear in Tables 3 through 25.

TABLE NO. 1 . --General Information on the Principal Lakes in the Upper and Middle  
St. Johns River Basins

| Name of the Lake                    | County       | Surface Area<br>(Acres) | Drainage<br>Area (mi <sup>2</sup> ) | Remarks  |
|-------------------------------------|--------------|-------------------------|-------------------------------------|--|
| Blue Cypress Lake<br>near Fellsmere | Indian River | 6522                    | 394                                 | Located in St. Johns River<br>Headwaters   |
| Lake Washington near<br>Eau Gallie  | Brevard      | 4298                    | 1025                                | Part of St. Johns River. A<br>steel piling dam at the lake<br>outlet with a permanent crest<br>at 13.5 ft. partially regulates<br>lake elevation. See Ref. 3 for<br>other details. |
| Lake Poinsett near<br>Cocoa         | Brevard      | 4293                    | 1272                                | Lake is one of the St. Johns<br>River headwaters chain of lakes.   |
| Lake Winnemissett<br>near DeLand    | Volusia      | 169                     | 1.10                                | Lake is landlocked except<br>possibly at high elevations.  |
| Lake Monroe near<br>Sanford         | Seminole     | 8840                    | 2582                                | Lake is one of St. Johns River<br>headwaters chain of lakes.   |
| Lake Wekiva near<br>Maitland        | Orange       | 190                     | 13.4                                | Lake level controlled. Some<br>flow diverted to Horse Shoe<br>Lake for storage.  |
| *Lake Dorr near<br>Altoona          | Lake         | 1712                    | 36.5                                | Outflow from lake is through<br>Blackwater Swamp into Black-<br>water Creek.   |
| Lake Kerr near<br>Eureka            | Marion       | 4484                    | 102                                 | Lake is interconnected with<br>Lake Warner at high stages.   |

\* Only weekly readings are available for this lake

TABLE 2A. --Frequencies of High Stages for Lakes in the Upper and Middle St. Johns River Basins

| Name of the Lake                 | Record Length (Years) | Record High Elevation ft. MSL | Mean Annual High Elevation ft. MSL | Elevation (ft-MSL) Which May be Equaled or Exceeded (on the Average) Once in |       |       |       |       |        |
|----------------------------------|-----------------------|-------------------------------|------------------------------------|--|-------|-------|-------|-------|--------|
|                                  |                       |                               |                                    | 2 Yr   | 5 Yr  | 10 Yr | 25 Yr | 50 Yr | 100 Yr |
| Blue Cypress Lake near Fellsmere | 24                    | 26.70                         | 24.78                              | 24.64  | 25.43 | 25.94 | 26.58 | 27.06 | 27.53  |
| Lake Washington near Eau Gallie  | 36                    | 20.39                         | 17.48                              | 17.45  | 18.85 | 19.58 | 20.34 | 20.82 | 21.23  |
| Lake Poinsett near Cocoa         | 37                    | 17.55                         | 15.06                              | 15.16  | 16.32 | 16.81 | 17.21 | 17.42 | 17.56  |
| Lake Winnemissett near DeLand    | 14                    | 60.88                         | 59.01                              | 58.67  | 59.46 | 60.14 | 61.13 | 61.93 | 62.78  |
| Lake Monroe near Sanford         | 37                    | 8.50                          | 4.65                               | 4.40   | 6.01  | 7.01  | 8.20  | 9.04  | 9.85   |
| Lake Wekiva near Maitland        | 11                    | 87.04                         | 84.93                              | 84.67  | 85.37 | 85.95 | 86.79 | 87.49 | 88.25  |
| Lake Dorr near Altoona           | 14                    | 44.44                         | 43.84                              | 43.80  | 44.04 | 44.19 | 44.38 | 44.51 | 44.64  |
| Lake Kerr near Eureka            | 29                    | 27.00                         | 24.45                              | 24.61  | 25.65 | 26.12 | 26.58 | 26.85 | 27.05  |

TABLE 2B. --Frequencies of Low Stages for Lakes in the Upper and Middle St. Johns River Basins

| Name of the Lake                 | Record Length (Years) | Record Low Elevation ft. MSL | Mean Annual Low Elevation ft. MSL | Elevation (ft-MSL) which may be Equaled or Not Exceeded (on the Average) Once in |       |       |       |       |        |
|----------------------------------|-----------------------|------------------------------|-----------------------------------|--|-------|-------|-------|-------|--------|
|                                  |                       |                              |                                   | 2 Yr   | 5 Yr  | 10 Yr | 25 Yr | 50 Yr | 100 Yr |
| Blue Cypress Lake near Fellsmere | 24                    | 18.94                        | 21.38                             | 21.46  | 20.22 | 19.56 | 18.88 | 18.45 | 18.09  |
| Lake Washington near Eau Gallie  | 36                    | 9.88                         | 13.28                             | 13.30  | 11.79 | 11.01 | 10.18 | 9.65  | 9.18   |
| Lake Poinsett near Cocoa         | 37                    | 7.99                         | 9.51                              | 9.38   | 8.64  | 8.31  | 8.01  | 7.83  | 7.68   |
| Lake Winnemissett near DeLand    | 14                    | 54.81                        | 57.36                             | 57.42  | 56.49 | 55.98 | 55.10 | 54.50 | 53.7   |
| Lake Monroe near Sanford         | 38                    | -0.52                        | 0.13                              | 0.09   | -0.17 | -0.30 | -0.42 | -0.49 | -0.55  |
| Lake Wekiva near Maitland        | 10                    | 82.49                        | 83.00                             | 83.01  | 82.77 | 82.65 | 82.50 | 82.41 | 82.32  |
| Lake Dorr near Altoona           | 14                    | 42.02                        | 42.66                             | 42.70  | 42.30 | 42.05 | 41.85 | 41.75 | 41.70  |
| Lake Kerr near                   | 26                    | 19.92                        | 22.95                             | 23.05  | 21.69 | 20.93 | 20.09 | 19.52 | 18.99  |



Table 3. --Observed Monthly Mean Elevations for Blue Cypress Lake

MONTHLY DATA FOR WATER YEARS - BLUE CYPRESS LAKE - ELEV. FT MSL

|      | OCT   | NOV   | DEC   | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1957 | 25.08 | 25.07 | 24.29 | 23.81 | 23.50 | 23.68 | 23.80 | 23.73 | 23.71 | 23.51 | 24.09 | 24.28 |
| 1958 | 24.30 | 23.74 | 23.36 | 23.89 | 24.12 | 24.22 | 24.06 | 23.57 | 22.83 | 22.79 | 22.83 | 22.52 |
| 1959 | 22.22 | 22.09 | 21.42 | 21.31 | 21.47 | 22.44 | 23.44 | 22.86 | 23.78 | 24.72 | 23.90 | 23.93 |
| 1960 | 24.35 | 24.27 | 23.64 | 23.18 | 23.29 | 23.87 | 23.86 | 23.35 | 23.48 | 24.25 | 24.64 | 25.14 |
| 1961 | 25.68 | 24.65 | 24.00 | 23.82 | 23.56 | 22.81 | 22.21 | 21.15 | 20.72 | 21.20 | 21.74 | 22.51 |
| 1962 | 22.28 | 22.25 | 21.92 | 21.56 | 21.25 | 20.78 | 20.72 | 20.30 | 20.10 | 21.55 | 23.07 | 24.11 |
| 1963 | 23.85 | 23.36 | 23.05 | 22.80 | 22.92 | 23.23 | 22.53 | 22.02 | 22.28 | 22.33 | 22.17 | 22.56 |
| 1964 | 23.67 | 23.42 | 23.22 | 23.45 | 23.61 | 23.26 | 22.71 | 22.42 | 22.00 | 21.21 | 21.72 | 24.14 |
| 1965 | 24.35 | 24.15 | 23.94 | 23.67 | 23.55 | 23.83 | 23.57 | 22.66 | 22.04 | 22.28 | 22.90 | 23.15 |
| 1966 | 23.68 | 24.07 | 23.84 | 23.95 | 24.19 | 24.46 | 24.07 | 23.62 | 23.81 | 24.25 | 24.70 | 24.28 |
| 1967 | 24.35 | 24.11 | 23.78 | 23.49 | 23.37 | 23.28 | 22.51 | 21.30 | 20.64 | 21.10 | 22.49 | 22.81 |
| 1968 | 22.87 | 22.37 | 21.77 | 21.53 | 21.14 | 20.69 | 19.61 | 19.53 | 23.06 | 25.12 | 24.39 | 23.81 |
| 1969 | 24.02 | 24.15 | 23.55 | 23.31 | 23.01 | 23.75 | 24.10 | 23.79 | 23.59 | 23.23 | 24.27 | 24.70 |
| 1970 | 25.67 | 24.92 | 24.37 | 24.59 | 24.49 | 24.23 | 23.97 | 22.66 | 22.11 | 21.90 | 21.88 | 21.89 |
| 1971 | 22.51 | 22.16 | 21.15 | 20.62 | 20.82 | 21.07 | 20.42 | 19.71 | 19.81 | 20.93 | 22.38 | 22.56 |
| 1972 | 23.02 | 23.27 | 22.84 | 22.43 | 22.68 | 22.60 | 22.10 | 22.37 | 23.25 | 23.88 | 23.41 | 23.60 |
| 1973 | 23.15 | 22.71 | 22.80 | 22.91 | 23.35 | 23.00 | 22.96 | 22.24 | 22.53 | 23.35 | 24.23 | 24.26 |
| 1974 | 24.22 | 23.65 | 22.88 | 22.47 | 21.85 | 21.40 | 20.31 | 19.15 | 19.38 | 23.27 | 24.56 | 24.55 |
| 1975 | 24.14 | 23.58 | 23.30 | 23.08 | 22.70 | 22.42 | 21.41 | 20.49 | 21.60 | 23.16 | 23.94 | 23.89 |
| 1976 | 24.17 | 24.04 | 23.66 | 23.32 | 22.92 | 22.34 | 21.40 | 20.49 | 23.39 | 24.42 | 24.82 | 24.82 |
| 1977 | 24.67 | 24.18 | 23.92 | 23.81 | 23.73 | 23.55 | 22.87 | 21.95 | 21.93 | 22.50 | 23.06 | 23.90 |
| 1978 | 24.12 | 23.95 | 24.27 | 24.27 | 24.21 | 24.34 | 23.74 | 23.34 | 23.39 | 24.45 | 24.77 | 23.74 |
| 1979 | 23.72 | 23.92 | 23.69 | 24.51 | 24.37 | 24.09 | 23.47 | 23.96 | 23.28 | 23.45 | 23.32 | 25.34 |
| 1980 | 25.09 | 24.31 | 24.04 | 23.80 | 23.81 | 23.87 | 23.79 | 23.52 | 23.07 | 22.89 | 22.61 | 23.07 |
| MEAN | 23.97 | 23.68 | 23.28 | 23.15 | 23.08 | 23.05 | 22.65 | 22.09 | 22.32 | 22.99 | 23.41 | 23.73 |

Table 4. --Highest and Lowest Elevations Experienced by Blue Cypress Lake

HIGHEST MEAN VALUES FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MAY 31.

| YEAR | 1     | 7     | 14    | 30    | 60    | 120   | 183   | 274   | 1 YEAR |
|------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 1957 | 26.28 | 26.20 | 26.03 | 25.68 | 25.17 | 24.58 | 24.24 | 24.01 | 23.26  |
| 1958 | 24.55 | 24.52 | 24.47 | 24.42 | 24.31 | 24.11 | 23.96 | 24.01 | 23.90  |
| 1959 | 23.88 | 23.83 | 23.78 | 23.61 | 23.33 | 22.75 | 22.55 | 22.21 | 22.36  |
| 1960 | 25.14 | 25.10 | 24.99 | 24.88 | 24.58 | 24.23 | 24.23 | 23.92 | 23.84  |
| 1961 | 26.24 | 26.22 | 26.16 | 25.92 | 25.48 | 25.06 | 24.73 | 24.36 | 23.78  |
| 1962 | 22.60 | 22.58 | 22.55 | 22.51 | 22.39 | 22.27 | 22.05 | 21.72 | 21.43  |
| 1963 | 24.39 | 24.36 | 24.30 | 24.17 | 24.00 | 23.66 | 23.38 | 23.22 | 22.72  |
| 1964 | 23.98 | 23.96 | 23.91 | 23.76 | 23.59 | 23.45 | 23.46 | 23.14 | 22.92  |
| 1965 | 24.58 | 24.54 | 24.48 | 24.39 | 24.31 | 24.15 | 23.97 | 23.78 | 23.23  |
| 1966 | 24.74 | 24.71 | 24.66 | 24.54 | 24.36 | 24.17 | 24.10 | 23.89 | 23.52  |
| 1967 | 25.03 | 24.96 | 24.88 | 24.71 | 24.50 | 24.40 | 24.27 | 24.02 | 23.60  |
| 1968 | 22.96 | 22.95 | 22.94 | 22.92 | 22.86 | 22.66 | 22.31 | 21.88 | 21.38  |
| 1969 | 25.55 | 25.48 | 25.38 | 25.13 | 24.81 | 24.34 | 24.24 | 23.91 | 23.85  |
| 1970 | 26.70 | 26.33 | 26.09 | 25.69 | 25.34 | 24.96 | 24.81 | 24.57 | 24.22  |
| 1971 | 22.72 | 22.68 | 22.65 | 22.61 | 22.38 | 22.15 | 22.08 | 21.67 | 21.35  |
| 1972 | 23.49 | 23.46 | 23.44 | 23.35 | 23.20 | 22.94 | 22.83 | 22.65 | 22.25  |
| 1973 | 24.05 | 24.02 | 23.98 | 23.95 | 23.74 | 23.61 | 23.34 | 23.25 | 23.10  |
| 1974 | 24.44 | 24.39 | 24.37 | 24.33 | 24.29 | 24.13 | 23.78 | 23.28 | 22.53  |
| 1975 | 24.86 | 24.82 | 24.77 | 24.69 | 24.56 | 24.29 | 23.97 | 23.53 | 22.74  |
| 1976 | 24.34 | 24.32 | 24.26 | 24.17 | 24.11 | 24.01 | 23.86 | 23.51 | 22.91  |
| 1977 | 24.96 | 24.91 | 24.88 | 24.85 | 24.83 | 24.71 | 24.47 | 24.24 | 23.84  |
| 1978 | 24.54 | 24.51 | 24.46 | 24.36 | 24.29 | 24.28 | 24.20 | 24.02 | 23.63  |
| 1979 | 25.34 | 25.27 | 25.20 | 25.02 | 24.64 | 24.20 | 24.06 | 24.14 | 24.01  |
| 1980 | 26.08 | 25.99 | 25.95 | 25.83 | 25.27 | 24.71 | 24.40 | 24.17 | 23.97  |

LOWEST MEAN VALUES FOR THE FOLLOWING NO OF CONSECUTIVE DAYS IN YEAR ENDING SEPT 30

| YEAR | 1     | 7     | 14    | 30    | 60    | 120   | 183   | 274   | 1 YEAR |
|------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 1957 | 23.36 | 23.39 | 23.41 | 23.49 | 23.59 | 23.67 | 23.66 | 23.78 | 24.05  |
| 1958 | 22.23 | 22.29 | 22.34 | 22.52 | 22.68 | 22.74 | 23.10 | 23.42 | 23.52  |
| 1959 | 21.18 | 21.22 | 21.24 | 21.28 | 21.34 | 21.48 | 21.84 | 22.35 | 22.80  |
| 1960 | 22.82 | 22.85 | 22.90 | 23.06 | 23.22 | 23.43 | 23.49 | 23.69 | 23.94  |
| 1961 | 20.53 | 20.58 | 20.63 | 20.72 | 20.82 | 21.17 | 21.58 | 22.19 | 22.83  |
| 1962 | 19.80 | 19.84 | 19.90 | 20.01 | 20.19 | 20.45 | 20.73 | 21.16 | 21.66  |
| 1963 | 21.76 | 21.83 | 21.90 | 22.01 | 22.13 | 22.19 | 22.29 | 22.52 | 22.76  |
| 1964 | 20.84 | 20.87 | 20.89 | 20.98 | 21.26 | 21.78 | 22.21 | 22.61 | 22.90  |
| 1965 | 21.79 | 21.82 | 21.86 | 22.01 | 22.12 | 22.46 | 22.76 | 23.07 | 23.34  |
| 1966 | 23.44 | 23.49 | 23.54 | 23.58 | 23.68 | 23.88 | 24.00 | 23.97 | 24.08  |
| 1967 | 20.54 | 20.57 | 20.60 | 20.64 | 20.77 | 21.28 | 21.81 | 22.33 | 22.77  |
| 1968 | 19.10 | 19.21 | 19.25 | 19.33 | 19.56 | 20.18 | 20.67 | 21.40 | 22.16  |
| 1969 | 22.74 | 22.78 | 22.83 | 22.93 | 23.10 | 23.38 | 23.58 | 23.59 | 23.79  |
| 1970 | 21.62 | 21.66 | 21.68 | 21.77 | 21.87 | 21.93 | 22.40 | 23.07 | 23.55  |
| 1971 | 19.35 | 19.42 | 19.51 | 19.59 | 19.75 | 20.14 | 20.36 | 20.74 | 21.18  |
| 1972 | 21.68 | 21.77 | 21.81 | 21.96 | 22.15 | 22.39 | 22.49 | 22.73 | 22.95  |
| 1973 | 21.89 | 21.99 | 22.03 | 22.12 | 22.32 | 22.67 | 22.81 | 22.84 | 23.12  |
| 1974 | 18.94 | 18.96 | 19.01 | 19.10 | 19.24 | 20.00 | 20.72 | 21.60 | 22.31  |
| 1975 | 20.15 | 20.20 | 20.26 | 20.47 | 20.82 | 21.46 | 21.92 | 22.42 | 22.81  |
| 1976 | 19.93 | 20.02 | 20.11 | 20.40 | 20.92 | 21.72 | 22.29 | 22.85 | 23.32  |
| 1977 | 21.46 | 21.51 | 21.57 | 21.72 | 21.93 | 22.28 | 22.64 | 23.02 | 23.34  |
| 1978 | 23.07 | 23.11 | 23.13 | 23.21 | 23.31 | 23.65 | 23.86 | 23.95 | 24.05  |
| 1979 | 22.69 | 22.87 | 23.00 | 23.20 | 23.29 | 23.50 | 23.58 | 23.79 | 23.92  |
| 1980 | 22.32 | 22.34 | 22.39 | 22.56 | 22.71 | 22.90 | 23.16 | 23.38 | 23.66  |

Table 5. --Observed Monthly Mean Elevations for Lake Washington

MONTHLY DATA FOR WATER YEARS - LAKE WASHINGTON NR EAU GALLIE, ELEVATION - FT MSL

|      | OCT   | NOV   | DEC   | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1943 | 16.58 | 16.26 | 16.11 | 15.96 | 15.80 | 15.82 | 15.67 | 15.43 | 15.52 | 16.46 | 17.49 | 17.60 |
| 1944 | 17.90 | 17.02 | 16.53 | 16.29 | 16.04 | 15.91 | 16.02 | 15.73 | 15.78 | 16.07 | 16.85 | 17.18 |
| 1945 | 17.41 | 17.64 | 16.77 | 16.76 | 16.50 | 16.07 | 15.71 | 15.45 | 15.40 | 17.32 | 17.12 | 17.48 |
| 1946 | 17.72 | 17.18 | 16.89 | 16.63 | 16.48 | 16.45 | 16.02 | 15.82 | 16.27 | 16.49 | 17.47 | 17.28 |
| 1947 | 17.16 | 16.79 | 16.55 | 16.28 | 16.40 | 16.99 | 16.81 | 16.30 | 16.67 | 17.58 | 17.59 | 18.04 |
| 1948 | 19.19 | 18.32 | 17.57 | 17.27 | 17.32 | 16.94 | 16.60 | 16.32 | 16.11 | 16.27 | 17.04 | 17.81 |
| 1949 | 19.11 | 17.77 | 17.21 | 16.88 | 16.64 | 16.29 | 16.11 | 15.73 | 15.72 | 16.41 | 17.08 | 18.06 |
| 1950 | 18.75 | 17.76 | 17.10 | 16.95 | 16.61 | 16.35 | 16.18 | 15.86 | 15.58 | 15.54 | 15.31 | 15.66 |
| 1951 | 16.94 | 17.74 | 17.18 | 16.79 | 16.69 | 16.40 | 16.49 | 16.69 | 16.38 | 16.35 | 16.91 | 16.97 |
| 1952 | 17.70 | 17.27 | 17.16 | 16.72 | 16.62 | 16.75 | 16.78 | 16.03 | 15.52 | 15.29 | 16.15 | 16.83 |
| 1953 | 17.84 | 18.09 | 17.03 | 16.64 | 16.64 | 16.31 | 16.37 | 15.87 | 14.72 | 14.83 | 16.77 | 18.96 |
| 1954 | 19.56 | 18.18 | 17.81 | 16.96 | 16.45 | 15.93 | 15.16 | 14.22 | 16.43 | 17.13 | 16.95 | 16.83 |
| 1955 | 17.68 | 17.18 | 16.80 | 16.43 | 16.32 | 15.73 | 15.02 | 13.71 | 13.38 | 16.39 | 16.37 | 17.17 |
| 1956 | 16.95 | 16.01 | 14.83 | 14.18 | 13.70 | 12.72 | 11.94 | 11.61 | 11.18 | 11.27 | 11.07 | 12.82 |
| 1957 | 17.55 | 17.85 | 16.41 | 15.66 | 15.00 | 15.18 | 15.39 | 14.82 | 15.63 | 15.68 | 16.04 | 16.84 |
| 1958 | 16.76 | 15.73 | 14.92 | 16.16 | 16.58 | 16.49 | 16.33 | 15.53 | 14.47 | 13.68 | 14.25 | 14.42 |
| 1959 | 14.58 | 14.48 | 13.79 | 14.04 | 14.61 | 15.94 | 16.49 | 15.25 | 15.33 | 17.09 | 16.62 | 16.43 |
| 1960 | 17.32 | 17.54 | 16.13 | 15.26 | 15.42 | 16.90 | 17.11 | 15.54 | 15.87 | 17.27 | 17.97 | 18.26 |
| 1961 | 19.65 | 17.35 | 15.82 | 15.44 | 15.26 | 14.32 | 13.78 | 12.50 | 11.58 | 13.40 | 12.60 | 12.58 |
| 1962 | 12.63 | 11.53 | 11.54 | 11.51 | 11.41 | 11.27 | 11.24 | 10.80 | 10.60 | 11.32 | 14.50 | 16.27 |
| 1963 | 16.28 | 15.39 | 14.74 | 13.95 | 14.56 | 15.69 | 14.14 | 12.69 | 12.96 | 13.57 | 13.50 | 14.30 |
| 1964 | 15.74 | 15.46 | 15.71 | 15.57 | 15.88 | 15.17 | 13.68 | 13.57 | 13.64 | 13.18 | 14.34 | 17.60 |
| 1965 | 15.89 | 14.70 | 14.13 | 13.74 | 13.57 | 13.71 | 13.21 | 12.66 | 12.87 | 13.78 | 14.30 | 13.98 |
| 1966 | 15.29 | 15.15 | 14.17 | 14.24 | 15.45 | 16.34 | 14.74 | 13.41 | 14.88 | 15.54 | 16.09 | 16.05 |
| 1967 | 16.61 | 15.41 | 14.20 | 13.27 | 13.53 | 13.51 | 12.79 | 12.10 | 11.97 | 14.07 | 15.18 | 14.60 |
| 1968 | 14.02 | 13.48 | 13.35 | 13.12 | 12.78 | 12.42 | 12.00 | 11.74 | 16.20 | 16.54 | 15.10 | 14.61 |
| 1969 | 15.06 | 15.12 | 14.30 | 14.04 | 13.66 | 14.84 | 14.74 | 14.31 | 14.54 | 14.13 | 15.37 | 15.47 |
| 1970 | 17.29 | 16.83 | 15.78 | 15.50 | 15.20 | 14.78 | 14.85 | 13.42 | 12.45 | 12.78 | 13.45 | 13.92 |
| 1971 | 13.72 | 13.31 | 12.74 | 12.36 | 12.95 | 13.38 | 12.55 | 11.62 | 11.25 | 12.20 | 14.30 | 13.66 |
| 1972 | 13.63 | 14.42 | 13.70 | 12.91 | 14.06 | 13.95 | 13.16 | 12.50 | 13.57 | 14.98 | 14.28 | 14.66 |
| 1973 | 13.52 | 12.47 | 13.79 | 14.19 | 14.87 | 13.98 | 14.47 | 13.22 | 12.91 | 14.24 | 14.92 | 15.28 |
| 1974 | 16.16 | 15.60 | 14.34 | 13.59 | 12.92 | 12.44 | 11.79 | 10.95 | 10.72 | 15.68 | 16.60 | 16.44 |
| 1975 | 15.87 | 13.98 | 12.92 | 12.59 | 12.13 | 11.83 | 10.99 | 10.11 | 10.88 | 12.75 | 14.09 | 14.47 |
| 1976 | 15.51 | 14.69 | 13.33 | 12.28 | 12.08 | 12.13 | 11.73 | 11.75 | 14.53 | 15.48 | 15.70 | 16.38 |
| 1977 | 15.51 | 14.43 | 14.12 | 13.99 | 13.85 | 13.66 | 13.20 | 12.65 | 12.87 | 12.72 | 12.71 | 13.94 |
| 1978 | 14.21 | 14.26 | 14.75 | 14.83 | 14.90 | 15.17 | 14.21 | 13.69 | 13.81 | 14.80 | 17.16 | 15.92 |
| 1979 | 14.39 | 13.91 | 13.86 | 14.82 | 15.33 | 14.39 | 13.65 | 14.44 | 14.82 | 14.02 | 14.14 | 17.15 |
| MEAN | 16.42 | 15.85 | 15.25 | 14.97 | 14.98 | 14.92 | 14.52 | 13.89 | 14.14 | 14.93 | 15.50 | 16.00 |

Table 6A. --Highest Elevations Experienced by Lake Washington for  
Different Durations

##### LAKE WASHINGTON NR EAU GALLIE, ELEVATION - FT MSL

HIGHEST MEAN VALUES FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MAY 31

| YEAR | 1     | 7     | 14    | 30    | 60    | 120   | 183   | 274   | 1 YEAR |
|------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 1944 | 18.11 | 18.08 | 18.05 | 17.96 | 17.76 | 17.54 | 17.20 | 16.82 | 16.42  |
| 1945 | 18.26 | 18.23 | 18.16 | 17.92 | 17.54 | 17.30 | 17.10 | 16.80 | 16.43  |
| 1946 | 18.30 | 18.28 | 18.19 | 18.00 | 17.67 | 17.41 | 17.30 | 17.05 | 16.62  |
| 1947 | 17.78 | 17.74 | 17.69 | 17.49 | 17.39 | 17.19 | 16.96 | 16.86 | 16.64  |
| 1948 | 19.67 | 19.62 | 19.55 | 19.29 | 18.93 | 18.32 | 18.05 | 17.78 | 17.31  |
| 1949 | 19.80 | 19.75 | 19.69 | 19.32 | 18.68 | 18.01 | 17.64 | 17.23 | 16.83  |
| 1950 | 19.10 | 19.05 | 18.98 | 18.76 | 18.45 | 17.95 | 17.62 | 17.24 | 16.81  |
| 1951 | 18.68 | 18.61 | 18.47 | 18.11 | 17.73 | 17.28 | 17.00 | 16.72 | 16.33  |
| 1952 | 18.02 | 17.97 | 17.90 | 17.71 | 17.49 | 17.28 | 17.12 | 16.98 | 16.67  |
| 1953 | 18.85 | 18.81 | 18.71 | 18.42 | 17.98 | 17.46 | 17.18 | 16.89 | 16.46  |
| 1954 | 20.05 | 19.98 | 19.86 | 19.69 | 19.33 | 18.66 | 18.05 | 17.33 | 16.54  |
| 1955 | 17.88 | 17.84 | 17.81 | 17.69 | 17.44 | 17.17 | 17.13 | 16.89 | 16.27  |
| 1956 | 17.67 | 17.63 | 17.54 | 17.31 | 17.07 | 16.76 | 16.30 | 15.45 | 14.51  |
| 1957 | 20.06 | 19.89 | 19.55 | 18.89 | 17.98 | 16.91 | 16.30 | 15.58 | 14.42  |
| 1958 | 17.08 | 17.05 | 17.02 | 16.99 | 16.81 | 16.39 | 16.16 | 16.19 | 15.95  |
| 1959 | 17.24 | 17.17 | 17.04 | 16.72 | 16.23 | 15.52 | 14.96 | 14.82 | 14.55  |
| 1960 | 18.86 | 18.74 | 18.47 | 17.87 | 17.46 | 16.98 | 16.90 | 16.56 | 16.25  |
| 1961 | 20.39 | 20.29 | 20.16 | 19.92 | 19.17 | 18.42 | 17.79 | 17.00 | 16.05  |
| 1962 | 14.83 | 14.16 | 14.09 | 13.75 | 13.04 | 12.83 | 12.39 | 12.09 | 11.79  |
| 1963 | 16.86 | 16.84 | 16.79 | 16.60 | 16.29 | 15.79 | 15.22 | 15.03 | 14.09  |
| 1964 | 16.24 | 16.20 | 16.11 | 15.89 | 15.77 | 15.70 | 15.62 | 15.01 | 14.47  |
| 1965 | 17.89 | 17.82 | 17.78 | 17.61 | 16.83 | 15.75 | 15.09 | 14.55 | 14.12  |
| 1966 | 17.03 | 16.95 | 16.80 | 16.43 | 15.90 | 15.16 | 15.13 | 14.83 | 14.38  |
| 1967 | 16.91 | 16.90 | 16.85 | 16.62 | 16.34 | 16.09 | 15.80 | 15.07 | 14.43  |
| 1968 | 15.39 | 15.37 | 15.34 | 15.19 | 14.92 | 14.50 | 14.13 | 13.68 | 13.13  |
| 1969 | 17.57 | 17.49 | 17.40 | 17.12 | 16.63 | 15.70 | 15.49 | 14.98 | 14.79  |
| 1970 | 17.99 | 17.92 | 17.76 | 17.52 | 17.09 | 16.37 | 16.06 | 15.67 | 15.17  |
| 1971 | 14.09 | 14.05 | 13.99 | 13.93 | 13.82 | 13.63 | 13.33 | 13.20 | 12.86  |
| 1972 | 14.67 | 14.63 | 14.61 | 14.52 | 14.25 | 14.00 | 13.82 | 13.77 | 13.19  |
| 1973 | 15.21 | 15.19 | 15.18 | 15.06 | 14.75 | 14.54 | 14.05 | 14.13 | 13.92  |
| 1974 | 16.59 | 16.57 | 16.48 | 16.27 | 15.98 | 15.51 | 15.10 | 14.47 | 13.70  |
| 1975 | 16.80 | 16.77 | 16.72 | 16.64 | 16.56 | 16.27 | 15.27 | 14.24 | 13.27  |
| 1976 | 15.80 | 15.79 | 15.73 | 15.54 | 15.17 | 14.71 | 14.18 | 13.49 | 12.88  |
| 1977 | 16.76 | 16.72 | 16.64 | 16.39 | 16.11 | 15.80 | 15.38 | 14.91 | 14.38  |
| 1978 | 15.32 | 15.29 | 15.27 | 15.19 | 15.04 | 14.92 | 14.70 | 14.41 | 13.93  |
| 1979 | 17.45 | 17.42 | 17.37 | 17.19 | 16.64 | 15.61 | 15.02 | 14.95 | 14.63  |

Table 6B. --Lowest Elevations Experienced by Lake Washington for  
Different Durations

@@@@ LAKE WASHINGTON NR EAU GALLIE, ELEVATION - FT MSL

LOWEST MEAN VALUES FOR THE FOLLOWING NO OF CONSECUTIVE DAYS IN YEAR ENDING SEPT 30

| YEAR | 1     | 7     | 14    | 30    | 60    | 120   | 183   | 274   | 1 YEAR |
|------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 1943 | 15.25 | 15.32 | 15.35 | 15.41 | 15.46 | 15.61 | 15.70 | 15.87 | 16.23  |
| 1944 | 15.51 | 15.53 | 15.57 | 15.64 | 15.75 | 15.86 | 15.92 | 16.13 | 16.44  |
| 1945 | 14.82 | 14.86 | 14.90 | 15.03 | 15.30 | 15.62 | 15.97 | 16.34 | 16.64  |
| 1946 | 15.59 | 15.61 | 15.66 | 15.74 | 15.91 | 16.12 | 16.25 | 16.47 | 16.73  |
| 1947 | 16.10 | 16.13 | 16.17 | 16.20 | 16.31 | 16.50 | 16.53 | 16.67 | 16.93  |
| 1948 | 15.97 | 15.99 | 16.03 | 16.09 | 16.16 | 16.31 | 16.54 | 16.80 | 17.23  |
| 1949 | 15.46 | 15.49 | 15.49 | 15.56 | 15.72 | 15.93 | 16.15 | 16.45 | 16.92  |
| 1950 | 15.23 | 15.26 | 15.27 | 15.31 | 15.43 | 15.52 | 15.69 | 16.01 | 16.47  |
| 1951 | 15.79 | 15.85 | 15.86 | 16.29 | 16.36 | 16.47 | 16.50 | 16.63 | 16.79  |
| 1952 | 14.91 | 14.96 | 15.01 | 15.15 | 15.38 | 15.72 | 16.08 | 16.29 | 16.57  |
| 1953 | 14.27 | 14.29 | 14.32 | 14.45 | 14.68 | 15.43 | 15.78 | 16.13 | 16.67  |
| 1954 | 13.71 | 13.82 | 13.93 | 14.17 | 14.60 | 15.32 | 15.87 | 16.23 | 16.81  |
| 1955 | 12.92 | 12.97 | 13.02 | 13.18 | 13.51 | 14.41 | 15.07 | 15.56 | 16.02  |
| 1956 | 10.99 | 11.00 | 11.01 | 11.06 | 11.17 | 11.26 | 11.54 | 12.27 | 13.19  |
| 1957 | 14.51 | 14.55 | 14.58 | 14.77 | 15.08 | 15.09 | 15.27 | 15.53 | 16.01  |
| 1958 | 13.48 | 13.52 | 13.55 | 13.67 | 13.82 | 14.19 | 14.78 | 15.31 | 15.44  |
| 1959 | 13.42 | 13.49 | 13.58 | 13.77 | 13.89 | 14.21 | 14.59 | 14.95 | 15.39  |
| 1960 | 14.72 | 14.78 | 14.85 | 15.06 | 15.34 | 15.78 | 15.98 | 16.34 | 16.72  |
| 1961 | 11.42 | 11.45 | 11.50 | 11.57 | 11.91 | 12.43 | 12.74 | 13.49 | 14.52  |
| 1962 | 10.52 | 10.55 | 10.56 | 10.59 | 10.66 | 10.92 | 11.08 | 11.24 | 12.05  |
| 1963 | 12.42 | 12.43 | 12.49 | 12.66 | 12.81 | 13.15 | 13.51 | 13.89 | 14.31  |
| 1964 | 13.00 | 13.03 | 13.08 | 13.13 | 13.29 | 13.42 | 13.91 | 14.51 | 14.96  |
| 1965 | 12.26 | 12.28 | 12.34 | 12.47 | 12.66 | 13.08 | 13.28 | 13.54 | 13.88  |
| 1966 | 13.19 | 13.22 | 13.25 | 13.40 | 13.84 | 14.63 | 14.69 | 14.85 | 15.11  |
| 1967 | 11.75 | 11.80 | 11.81 | 11.86 | 12.03 | 12.56 | 12.85 | 13.40 | 13.94  |
| 1968 | 11.60 | 11.65 | 11.69 | 11.72 | 11.86 | 12.21 | 12.55 | 13.23 | 13.78  |
| 1969 | 13.59 | 13.60 | 13.63 | 13.64 | 13.81 | 14.13 | 14.30 | 14.40 | 14.63  |
| 1970 | 12.13 | 12.18 | 12.23 | 12.32 | 12.56 | 13.01 | 13.47 | 14.03 | 14.69  |
| 1971 | 11.02 | 11.10 | 11.20 | 11.25 | 11.33 | 11.83 | 12.24 | 12.47 | 12.84  |
| 1972 | 12.34 | 12.38 | 12.41 | 12.49 | 12.64 | 13.23 | 13.26 | 13.54 | 13.81  |
| 1973 | 12.10 | 12.15 | 12.24 | 12.45 | 12.92 | 13.47 | 13.78 | 13.71 | 13.98  |
| 1974 | 10.55 | 10.56 | 10.59 | 10.61 | 10.82 | 11.45 | 12.05 | 13.12 | 13.95  |
| 1975 | 9.88  | 9.92  | 9.98  | 10.07 | 10.36 | 10.93 | 11.38 | 12.00 | 12.72  |
| 1976 | 11.32 | 11.39 | 11.41 | 11.52 | 11.70 | 11.90 | 12.20 | 13.11 | 13.80  |
| 1977 | 12.45 | 12.46 | 12.50 | 12.62 | 12.71 | 12.73 | 12.94 | 13.27 | 13.64  |
| 1978 | 13.54 | 13.55 | 13.58 | 13.65 | 13.71 | 14.07 | 14.39 | 14.42 | 14.81  |
| 1979 | 13.50 | 13.53 | 13.56 | 13.61 | 13.86 | 14.22 | 14.24 | 14.35 | 14.57  |

Table 7. --Observed Monthly Mean Elevations for Lake Poinsett

MONTHLY DATA FOR WATER YEARS - LAKE POINSETT NEAR COCOA, ELEVATION - FT MSL

|      | OCT   | NOV   | DEC   | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1943 | 13.07 | 11.52 | 10.43 | 9.91  | 9.52  | 9.43  | 9.08  | 8.61  | 8.65  | 10.49 | 14.17 | 14.91 |
| 1944 | 15.26 | 14.31 | 13.05 | 11.88 | 10.69 | 9.79  | 9.77  | 8.89  | 9.11  | 10.89 | 13.36 | 14.15 |
| 1945 | 14.31 | 14.59 | 13.25 | 12.71 | 12.15 | 10.71 | 9.35  | 8.66  | 9.52  | 14.52 | 13.78 | 14.05 |
| 1946 | 14.35 | 13.43 | 12.78 | 12.13 | 11.44 | 11.22 | 10.17 | 9.36  | 9.65  | 10.50 | 13.57 | 14.04 |
| 1947 | 13.81 | 13.03 | 12.01 | 10.78 | 10.69 | 12.34 | 12.44 | 10.94 | 11.45 | 13.89 | 13.96 | 14.29 |
| 1948 | 15.82 | 14.28 | 13.38 | 13.02 | 12.87 | 12.34 | 11.00 | 9.93  | 9.29  | 9.17  | 12.10 | 14.22 |
| 1949 | 16.74 | 14.81 | 13.64 | 12.59 | 11.61 | 10.38 | 9.54  | 8.76  | 8.53  | 10.49 | 12.50 | 14.88 |
| 1950 | 16.11 | 14.88 | 13.71 | 13.02 | 12.05 | 10.96 | 10.60 | 9.35  | 8.69  | 8.61  | 8.44  | 9.14  |
| 1951 | 11.61 | 14.25 | 13.24 | 12.46 | 12.12 | 11.27 | 10.78 | 11.39 | 10.76 | 10.65 | 12.13 | 13.16 |
| 1952 | 14.85 | 14.24 | 13.80 | 12.76 | 12.19 | 12.21 | 12.44 | 11.16 | 10.25 | 9.57  | 10.39 | 11.77 |
| 1953 | 14.48 | 15.06 | 13.87 | 12.92 | 12.57 | 12.14 | 12.35 | 11.40 | 10.18 | 10.17 | 13.18 | 16.42 |
| 1954 | 16.92 | 15.29 | 14.68 | 13.65 | 12.59 | 11.71 | 10.62 | 9.88  | 13.39 | 14.34 | 14.00 | 13.63 |
| 1955 | 14.56 | 14.12 | 13.45 | 12.73 | 12.46 | 11.85 | 11.08 | 10.17 | 9.75  | 11.89 | 13.19 | 13.93 |
| 1956 | 14.28 | 13.37 | 12.08 | 11.28 | 10.98 | 9.96  | 9.29  | 8.84  | 8.53  | 9.40  | 9.31  | 10.64 |
| 1957 | 14.61 | 15.13 | 13.87 | 12.93 | 12.17 | 12.05 | 12.15 | 12.19 | 12.34 | 12.64 | 13.42 | 14.64 |
| 1958 | 14.63 | 13.51 | 12.55 | 13.37 | 14.00 | 13.89 | 13.77 | 13.00 | 12.14 | 11.49 | 11.41 | 12.02 |
| 1959 | 11.72 | 11.65 | 11.22 | 11.71 | 12.15 | 13.75 | 14.14 | 13.01 | 12.29 | 13.87 | 14.00 | 14.15 |
| 1960 | 15.06 | 15.04 | 13.97 | 12.65 | 12.35 | 14.21 | 14.45 | 12.88 | 12.53 | 14.29 | 15.06 | 15.41 |
| 1961 | 16.03 | 14.13 | 12.71 | 12.22 | 11.93 | 11.39 | 11.03 | 10.59 | 10.13 | 11.22 | 10.91 | 11.52 |
| 1962 | 11.11 | 10.30 | 9.52  | 9.32  | 9.34  | 9.23  | 9.16  | 8.71  | 8.58  | 9.84  | 12.41 | 14.11 |
| 1963 | 14.29 | 13.20 | 12.30 | 11.70 | 12.30 | 13.30 | 12.20 | 10.84 | 10.13 | 10.67 | 11.09 | 11.42 |
| 1964 | 13.82 | 13.86 | 13.89 | 13.62 | 13.81 | 13.04 | 11.63 | 10.88 | 10.11 | 9.68  | 10.97 | 15.25 |
| 1965 | 13.89 | 12.69 | 12.41 | 11.17 | 10.93 | 11.41 | 10.86 | 9.56  | 9.90  | 11.34 | 11.74 | 11.50 |
| 1966 | 12.93 | 13.07 | 12.23 | 11.87 | 13.20 | 14.41 | 13.02 | 12.12 | 13.60 | 14.59 | 14.69 | 14.74 |
| 1967 | 14.94 | 13.96 | 12.75 | 11.58 | 10.86 | 10.58 | 9.66  | 8.91  | 9.39  | 12.49 | 13.88 | 13.55 |
| 1968 | 12.57 | 10.72 | 10.08 | 9.81  | 9.78  | 9.83  | 9.24  | 9.12  | 14.04 | 14.72 | 13.00 | 12.22 |
| 1969 | 12.89 | 13.04 | 11.90 | 11.70 | 10.93 | 11.73 | 12.37 | 11.79 | 11.96 | 11.50 | 12.56 | 13.65 |
| 1970 | 15.50 | 15.56 | 14.69 | 14.12 | 13.65 | 13.00 | 12.88 | 11.54 | 10.43 | 10.50 | 10.97 | 10.95 |
| 1971 | 11.09 | 10.36 | 9.85  | 9.68  | 10.42 | 10.10 | 9.66  | 9.31  | 9.33  | 10.65 | 11.32 | 10.92 |
| 1972 | 11.10 | 11.92 | 11.86 | 11.11 | 11.77 | 11.42 | 10.62 | 10.15 | 11.01 | 13.50 | 12.99 | 12.82 |
| 1973 | 11.90 | 11.00 | 11.57 | 12.00 | 12.96 | 12.17 | 12.40 | 11.49 | 10.72 | 11.59 | 12.80 | 13.55 |
| 1974 | 14.71 | 14.29 | 12.93 | 11.78 | 10.55 | 9.88  | 9.50  | 9.37  | 9.85  | 14.45 | 14.74 | 14.24 |
| 1975 | 13.92 | 12.24 | 10.77 | 10.21 | 9.78  | 9.46  | 8.99  | 8.69  | 9.61  | 10.96 | 12.19 | 12.81 |
| 1976 | 13.84 | 13.57 | 12.33 | 11.31 | 10.37 | 10.16 | 9.44  | 9.46  | 12.08 | 14.06 | 14.26 | 14.76 |
| 1977 | 13.85 | 12.95 | 12.24 | 11.80 | 11.25 | 10.54 | 9.50  | 8.95  | 9.25  | 9.32  | 9.90  | 11.66 |
| 1978 | 11.99 | 11.97 | 12.76 | 12.94 | 12.98 | 13.13 | 12.37 | 11.55 | 11.62 | 13.06 | 15.48 | 14.63 |
| 1979 | 13.08 | 11.47 | 10.61 | 12.18 | 12.76 | 12.09 | 10.63 | 11.30 | 12.20 | 12.52 | 12.89 | 15.34 |
| MEAN | 13.94 | 13.32 | 12.50 | 11.96 | 11.73 | 11.54 | 11.03 | 10.34 | 10.57 | 11.72 | 12.61 | 13.38 |

Table 8A. --Highest Elevations Experienced by Lake Poinsett for  
Different Durations

LAKE POINSETT NEAR COCOA, ELEVATION -- FT MSL

HIGHEST MEAN VALUES FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MAY 31

| YEAR | 1     | 7     | 14    | 30    | 60    | 120   | 183   | 274   | 1 YEAR |
|------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 1943 | 14.14 | 14.10 | 14.07 | 14.04 | 13.91 | 13.75 | 13.21 | 12.13 | 11.28  |
| 1944 | 15.56 | 15.53 | 15.46 | 15.30 | 15.11 | 14.69 | 13.99 | 12.79 | 11.75  |
| 1945 | 15.13 | 15.04 | 14.99 | 14.88 | 14.50 | 14.16 | 13.73 | 12.90 | 11.88  |
| 1946 | 15.52 | 15.31 | 15.14 | 14.86 | 14.30 | 14.21 | 13.89 | 13.16 | 12.17  |
| 1947 | 14.16 | 14.14 | 14.09 | 14.06 | 14.02 | 13.64 | 12.92 | 12.52 | 11.91  |
| 1948 | 16.43 | 16.39 | 16.35 | 15.95 | 15.28 | 14.61 | 14.28 | 13.81 | 12.92  |
| 1949 | 17.51 | 17.47 | 17.33 | 16.89 | 16.06 | 14.89 | 14.09 | 12.85 | 11.85  |
| 1950 | 16.50 | 16.36 | 16.32 | 16.16 | 15.68 | 14.95 | 14.23 | 13.23 | 12.19  |
| 1951 | 15.08 | 15.06 | 15.01 | 14.72 | 14.16 | 13.35 | 12.62 | 11.78 | 10.93  |
| 1952 | 15.35 | 15.23 | 15.05 | 14.86 | 14.56 | 14.10 | 13.53 | 13.09 | 12.43  |
| 1953 | 15.65 | 15.65 | 15.61 | 15.37 | 14.87 | 14.12 | 13.51 | 12.95 | 12.15  |
| 1954 | 17.55 | 17.41 | 17.25 | 17.13 | 16.74 | 15.87 | 15.05 | 13.91 | 12.88  |
| 1955 | 14.93 | 14.89 | 14.81 | 14.59 | 14.36 | 14.13 | 14.10 | 13.65 | 12.92  |
| 1956 | 14.48 | 14.42 | 14.38 | 14.35 | 14.15 | 13.71 | 13.16 | 12.35 | 11.49  |
| 1957 | 16.78 | 16.69 | 16.51 | 16.00 | 15.19 | 14.18 | 13.47 | 12.83 | 11.84  |
| 1958 | 15.12 | 15.07 | 14.96 | 14.89 | 14.65 | 14.07 | 13.79 | 13.75 | 13.38  |
| 1959 | 14.96 | 14.81 | 14.62 | 14.38 | 13.97 | 13.21 | 12.61 | 12.34 | 12.10  |
| 1960 | 16.36 | 16.12 | 15.87 | 15.29 | 15.06 | 14.60 | 14.35 | 14.00 | 13.63  |
| 1961 | 16.99 | 16.86 | 16.68 | 16.42 | 15.79 | 15.34 | 14.65 | 13.82 | 13.06  |
| 1962 | 12.17 | 11.93 | 11.84 | 11.58 | 11.37 | 11.21 | 10.87 | 10.38 | 10.00  |
| 1963 | 14.67 | 14.65 | 14.64 | 14.50 | 14.22 | 13.64 | 13.03 | 12.86 | 12.02  |
| 1964 | 14.47 | 14.37 | 14.26 | 14.21 | 13.92 | 13.83 | 13.71 | 12.90 | 12.22  |
| 1965 | 15.87 | 15.74 | 15.54 | 15.27 | 14.67 | 13.69 | 12.83 | 12.17 | 11.51  |
| 1966 | 14.80 | 14.71 | 14.69 | 14.52 | 13.89 | 13.16 | 13.00 | 12.68 | 12.19  |
| 1967 | 15.11 | 15.08 | 15.03 | 14.96 | 14.84 | 14.74 | 14.44 | 13.54 | 12.53  |
| 1968 | 14.32 | 14.26 | 14.15 | 13.90 | 13.72 | 13.16 | 12.23 | 11.44 | 10.80  |
| 1969 | 15.55 | 15.45 | 15.38 | 15.20 | 14.73 | 13.62 | 13.39 | 12.74 | 12.45  |
| 1970 | 16.39 | 16.34 | 16.20 | 15.97 | 15.58 | 14.99 | 14.53 | 13.96 | 13.30  |
| 1971 | 11.50 | 11.48 | 11.39 | 11.15 | 11.05 | 10.96 | 10.72 | 10.47 | 10.22  |
| 1972 | 12.07 | 12.04 | 11.99 | 11.96 | 11.90 | 11.66 | 11.52 | 11.37 | 10.92  |
| 1973 | 13.77 | 13.76 | 13.72 | 13.54 | 13.26 | 12.90 | 12.34 | 12.33 | 12.08  |
| 1974 | 14.84 | 14.81 | 14.80 | 14.74 | 14.56 | 13.93 | 13.37 | 12.56 | 11.76  |
| 1975 | 15.15 | 15.08 | 15.03 | 14.95 | 14.70 | 14.38 | 13.42 | 12.26 | 11.41  |
| 1976 | 14.08 | 14.07 | 14.05 | 14.01 | 13.72 | 13.20 | 12.71 | 11.96 | 11.26  |
| 1977 | 15.18 | 15.11 | 15.00 | 14.77 | 14.56 | 14.25 | 13.74 | 13.04 | 12.14  |
| 1978 | 13.28 | 13.25 | 13.23 | 13.20 | 13.06 | 12.97 | 12.67 | 12.33 | 11.57  |
| 1979 | 15.85 | 15.78 | 15.69 | 15.50 | 15.10 | 14.11 | 13.23 | 12.82 | 12.34  |

Table 8B. --Lowest Elevations Experienced by Lake Poinsett for  
Different Durations

LAKE POINSETT NEAR COCOA, ELEVATION - FT MSL

LOWEST MEAN VALUES FOR THE FOLLOWING NO OF CONSECUTIVE DAYS IN YEAR ENDING SEPT 30

| YEAR | 1     | 7     | 14    | 30    | 60    | 120   | 183   | 274   | 1 YEAR |
|------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 1943 | 8.44  | 8.46  | 8.51  | 8.60  | 8.62  | 8.87  | 9.12  | 9.74  | 10.82  |
| 1944 | 8.53  | 8.57  | 8.60  | 8.70  | 8.97  | 9.37  | 9.84  | 10.83 | 11.77  |
| 1945 | 7.99  | 8.04  | 8.12  | 8.22  | 8.52  | 9.39  | 10.47 | 11.62 | 12.31  |
| 1946 | 9.04  | 9.09  | 9.15  | 9.34  | 9.50  | 9.89  | 10.40 | 11.17 | 11.89  |
| 1947 | 9.88  | 9.96  | 10.05 | 10.29 | 10.74 | 11.45 | 11.36 | 11.95 | 12.48  |
| 1948 | 8.93  | 8.95  | 8.97  | 9.07  | 9.22  | 9.76  | 10.60 | 11.44 | 12.28  |
| 1949 | 8.31  | 8.36  | 8.38  | 8.43  | 8.64  | 9.18  | 9.87  | 10.90 | 12.04  |
| 1950 | 8.34  | 8.38  | 8.40  | 8.43  | 8.53  | 8.70  | 9.13  | 10.09 | 11.29  |
| 1951 | 8.84  | 8.94  | 9.01  | 10.48 | 10.70 | 10.88 | 11.13 | 11.60 | 11.98  |
| 1952 | 9.31  | 9.35  | 9.42  | 9.56  | 9.73  | 10.30 | 10.92 | 11.41 | 12.13  |
| 1953 | 9.83  | 9.84  | 9.88  | 9.95  | 10.10 | 11.00 | 11.46 | 12.08 | 12.89  |
| 1954 | 9.53  | 9.59  | 9.68  | 9.85  | 10.23 | 11.12 | 11.99 | 12.65 | 13.40  |
| 1955 | 9.51  | 9.55  | 9.59  | 9.71  | 9.96  | 10.58 | 11.19 | 11.84 | 12.43  |
| 1956 | 8.36  | 8.41  | 8.45  | 8.51  | 8.67  | 8.99  | 9.19  | 9.80  | 10.66  |
| 1957 | 11.76 | 11.84 | 11.85 | 11.98 | 12.06 | 12.13 | 12.26 | 12.65 | 13.18  |
| 1958 | 11.14 | 11.18 | 11.26 | 11.28 | 11.42 | 11.75 | 12.30 | 12.78 | 12.97  |
| 1959 | 10.90 | 10.93 | 11.00 | 11.16 | 11.42 | 11.56 | 12.05 | 12.41 | 12.81  |
| 1960 | 12.04 | 12.11 | 12.17 | 12.26 | 12.44 | 13.17 | 13.18 | 13.60 | 14.00  |
| 1961 | 9.98  | 9.99  | 10.01 | 10.11 | 10.35 | 10.70 | 10.87 | 11.22 | 11.99  |
| 1962 | 8.42  | 8.45  | 8.48  | 8.53  | 8.64  | 8.91  | 9.05  | 9.34  | 10.14  |
| 1963 | 9.68  | 9.74  | 9.87  | 9.99  | 10.23 | 10.63 | 11.03 | 11.48 | 11.95  |
| 1964 | 9.38  | 9.41  | 9.44  | 9.51  | 9.71  | 10.22 | 11.02 | 11.94 | 12.54  |
| 1965 | 9.00  | 9.06  | 9.10  | 9.25  | 9.63  | 10.34 | 10.61 | 10.94 | 11.46  |
| 1966 | 11.45 | 11.52 | 11.59 | 11.77 | 12.02 | 12.51 | 12.80 | 12.94 | 13.37  |
| 1967 | 8.65  | 8.69  | 8.70  | 8.82  | 9.02  | 9.62  | 10.16 | 11.11 | 11.89  |
| 1968 | 8.92  | 9.02  | 9.06  | 9.10  | 9.15  | 9.47  | 9.63  | 10.57 | 11.27  |
| 1969 | 10.36 | 10.44 | 10.52 | 10.70 | 11.07 | 11.55 | 11.72 | 11.81 | 12.17  |
| 1970 | 9.66  | 9.71  | 9.75  | 10.00 | 10.43 | 10.70 | 11.21 | 12.00 | 12.81  |
| 1971 | 9.02  | 9.09  | 9.13  | 9.23  | 9.29  | 9.58  | 9.74  | 9.90  | 10.22  |
| 1972 | 10.03 | 10.05 | 10.09 | 10.14 | 10.23 | 10.75 | 10.98 | 11.21 | 11.69  |
| 1973 | 10.28 | 10.38 | 10.43 | 10.64 | 11.00 | 11.54 | 11.84 | 11.74 | 12.01  |
| 1974 | 9.09  | 9.15  | 9.21  | 9.30  | 9.42  | 9.61  | 10.18 | 11.41 | 12.21  |
| 1975 | 8.52  | 8.56  | 8.60  | 8.69  | 8.83  | 9.16  | 9.45  | 10.05 | 10.81  |
| 1976 | 9.04  | 9.11  | 9.13  | 9.22  | 9.41  | 9.84  | 10.42 | 11.40 | 12.14  |
| 1977 | 8.81  | 8.86  | 8.89  | 8.93  | 9.07  | 9.23  | 9.56  | 10.24 | 10.93  |
| 1978 | 10.89 | 10.98 | 11.14 | 11.37 | 11.58 | 12.03 | 12.37 | 12.36 | 12.87  |
| 1979 | 9.95  | 10.00 | 10.03 | 10.27 | 10.89 | 11.54 | 11.50 | 11.74 | 12.25  |



Table 9. --Observed Monthly Mean Elevations for Lake Winnemissett

MONTHLY DATA FOR WATER YEARS - LAKE WINNEMISSETT NR DELAND, ELEVATION-FT MSL

|      | OCT   | NOV   | DEC   | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1966 | 58.08 | 57.92 | 57.81 | 57.81 | 57.88 | 58.17 | 58.04 | 58.25 | 58.67 | 59.13 | 59.11 | 58.91 |
| 1967 | 59.08 | 58.86 | 58.57 | 58.45 | 58.42 | 58.28 | 57.77 | 57.12 | 56.88 | 56.90 | 56.77 | 57.23 |
| 1968 | 57.18 | 56.72 | 56.48 | 56.28 | 55.99 | 55.90 | 55.49 | 54.95 | 56.13 | 57.08 | 57.11 | 57.42 |
| 1969 | 57.82 | 58.32 | 58.14 | 58.21 | 58.19 | 58.20 | 58.01 | 57.71 | 57.48 | 57.15 | 57.74 | 58.57 |
| 1970 | 60.29 | 60.53 | 60.55 | 60.69 | 60.75 | 60.58 | 60.42 | 59.94 | 59.82 | 60.08 | 60.22 | 60.08 |
| 1971 | 59.85 | 59.55 | 59.21 | 59.04 | 59.21 | 59.04 | 58.80 | 58.42 | 58.30 | 58.37 | 58.37 | 58.03 |
| 1972 | 57.78 | 57.71 | 57.71 | 57.55 | 57.64 | 57.69 | 57.98 | 58.10 | 58.09 | 58.14 | 58.11 | 58.75 |
| 1973 | 58.77 | 58.87 | 59.13 | 59.27 | 59.42 | 59.28 | 59.33 | 59.23 | 59.34 | 59.46 | 59.58 | 59.93 |
| 1974 | 60.17 | 59.90 | 59.66 | 59.51 | 59.19 | 58.84 | 58.44 | 57.86 | 57.65 | 58.41 | 58.38 | 58.55 |
| 1975 | 58.59 | 58.20 | 57.91 | 57.92 | 57.81 | 57.48 | 57.21 | 57.01 | 57.54 | 57.90 | 58.39 | 58.94 |
| 1976 | 59.03 | 58.87 | 58.60 | 58.43 | 58.18 | 58.00 | 57.72 | 57.71 | 58.18 | 58.19 | 58.40 | 58.49 |
| 1977 | 58.22 | 57.95 | 58.02 | 58.26 | 58.28 | 58.17 | 57.67 | 57.27 | 57.55 | 57.39 | 57.39 | 57.66 |
| 1978 | 57.35 | 57.09 | 57.02 | 57.01 | 57.25 | 57.83 | 57.60 | 57.35 | 57.57 | 57.54 | 58.38 | 58.29 |
| 1979 | 57.80 | 57.79 | 57.59 | 57.91 | 58.06 | 58.21 | 57.92 | 57.89 | 58.02 | 58.01 | 58.53 | 58.77 |
| MEAN | 58.57 | 58.45 | 58.32 | 58.31 | 58.30 | 58.26 | 58.03 | 57.77 | 57.94 | 58.13 | 58.32 | 58.54 |

Table 10. --Highest and Lowest Elevations Experienced by Lake Winnemissett for Different Durations

@@@@ LAKE WINNEMISSET NR DELAND, ELEVATION-FT MSL

HIGHEST MEAN VALUES FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MAY 31

| YEAR | 1     | 7     | 14    | 30    | 60    | 120   | 183   | 274   | 1 YEAR |
|------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 1966 | 58.46 | 58.44 | 58.42 | 58.37 | 58.25 | 58.12 | 58.03 | 58.02 | 57.53  |
| 1967 | 59.19 | 59.18 | 59.16 | 59.13 | 59.13 | 59.06 | 58.97 | 58.80 | 58.05  |
| 1968 | 57.45 | 57.45 | 57.41 | 57.37 | 57.22 | 57.02 | 56.95 | 56.72 | 55.94  |
| 1969 | 58.39 | 58.36 | 58.35 | 58.33 | 58.28 | 58.23 | 58.20 | 57.99 | 57.37  |
| 1970 | 60.88 | 60.85 | 60.81 | 60.74 | 60.72 | 60.65 | 60.59 | 60.22 | 59.20  |
| 1971 | 60.33 | 60.30 | 60.26 | 60.24 | 60.20 | 60.08 | 59.93 | 59.68 | 59.11  |
| 1972 | 58.49 | 58.45 | 58.41 | 58.40 | 58.38 | 58.28 | 58.09 | 57.94 | 57.46  |
| 1973 | 59.51 | 59.46 | 59.45 | 59.42 | 59.36 | 59.32 | 59.27 | 59.11 | 58.53  |
| 1974 | 60.27 | 60.24 | 60.20 | 60.18 | 60.09 | 59.92 | 59.80 | 59.64 | 59.00  |
| 1975 | 58.75 | 58.72 | 58.69 | 58.63 | 58.58 | 58.49 | 58.35 | 58.16 | 57.62  |
| 1976 | 59.12 | 59.10 | 59.08 | 59.07 | 59.02 | 58.89 | 58.72 | 58.49 | 57.80  |
| 1977 | 58.71 | 58.70 | 58.66 | 58.58 | 58.50 | 58.34 | 58.24 | 58.23 | 57.77  |
| 1978 | 57.99 | 57.90 | 57.88 | 57.84 | 57.70 | 57.50 | 57.40 | 57.36 | 57.06  |
| 1979 | 58.62 | 58.60 | 58.56 | 58.48 | 58.35 | 58.08 | 57.96 | 57.99 | 57.59  |

@@@@ LAKE WINNEMISSET NR DELAND, ELEVATION-FT MSL

LOWEST MEAN VALUES FOR THE FOLLOWING NO OF CONSECUTIVE DAYS IN YEAR ENDING SEPT 30

| YEAR | 1     | 7     | 14    | 30    | 60    | 120   | 183   | 274   | 1 YEAR |
|------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 1966 | 57.71 | 57.73 | 57.75 | 57.78 | 57.81 | 57.85 | 57.94 | 58.08 | 58.32  |
| 1967 | 56.71 | 56.72 | 56.73 | 56.76 | 56.83 | 56.88 | 57.11 | 57.53 | 57.86  |
| 1968 | 54.81 | 54.84 | 54.85 | 54.92 | 55.14 | 55.50 | 55.78 | 56.11 | 56.40  |
| 1969 | 57.04 | 57.07 | 57.11 | 57.13 | 57.22 | 57.47 | 57.71 | 57.87 | 57.96  |
| 1970 | 59.56 | 59.69 | 59.73 | 59.77 | 59.86 | 60.01 | 60.09 | 60.28 | 60.33  |
| 1971 | 57.80 | 57.84 | 57.91 | 58.03 | 58.20 | 58.27 | 58.38 | 58.62 | 58.85  |
| 1972 | 57.48 | 57.48 | 57.50 | 57.54 | 57.59 | 57.64 | 57.68 | 57.81 | 57.94  |
| 1973 | 58.60 | 58.63 | 58.67 | 58.74 | 58.82 | 59.00 | 59.12 | 59.18 | 59.30  |
| 1974 | 57.50 | 57.54 | 57.57 | 57.60 | 57.75 | 58.05 | 58.21 | 58.54 | 58.88  |
| 1975 | 56.90 | 56.95 | 56.97 | 57.00 | 57.10 | 57.30 | 57.48 | 57.65 | 57.91  |
| 1976 | 57.43 | 57.46 | 57.49 | 57.58 | 57.70 | 57.89 | 57.98 | 58.14 | 58.32  |
| 1977 | 57.06 | 57.10 | 57.17 | 57.25 | 57.38 | 57.39 | 57.48 | 57.73 | 57.82  |
| 1978 | 56.95 | 56.98 | 56.98 | 56.99 | 57.01 | 57.07 | 57.26 | 57.34 | 57.52  |
| 1979 | 52.69 | 57.10 | 57.50 | 57.58 | 57.65 | 57.76 | 57.88 | 57.90 | 58.04  |

Table 11. --Observed Monthly Mean Elevations for Lake Charity

MONTHLY DATA FOR WATER YEARS - LAKE CHARITY NR MAITLAND - ELEV. FT MSL

|      | OCT   | NOV   | DEC   | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1972 | 63.76 | 63.53 | 63.34 | 63.00 | 63.01 | 62.71 | 62.70 | 62.34 | 61.96 | 61.67 | 61.35 | 61.71 |
| 1973 | 61.27 | 61.10 | 61.23 | 61.22 | 61.38 | 61.21 | 61.11 | 60.63 | 60.33 | 60.65 | 61.12 | 61.82 |
| 1974 | 62.53 | 62.36 | 62.11 | 61.99 | 61.67 | 61.27 | 60.84 | 60.13 | 60.57 | 62.35 | 62.96 | 63.58 |
| 1975 | 63.93 | 63.64 | 63.40 | 63.31 | 63.09 | 62.71 | 62.09 | 61.50 | 61.43 | 62.42 | 63.94 | 65.21 |
| 1976 | 66.95 | 67.45 | 67.33 | 67.12 | 66.69 | 66.16 | 65.46 | 65.00 | 64.93 | 65.12 | 65.70 | 66.41 |
| 1977 | 66.49 | 66.11 | 65.94 | 65.76 | 65.57 | 65.18 | 64.32 | 63.31 | 62.69 | 62.29 | 62.57 | 62.73 |
| 1978 | 62.61 | 62.29 | 62.18 | 62.11 | 62.18 | 62.50 | 62.02 | 61.56 | 61.44 | 61.99 | 63.22 | 63.83 |
| MEAN | 63.93 | 63.78 | 63.65 | 63.50 | 63.37 | 63.11 | 62.65 | 62.07 | 61.91 | 62.36 | 62.98 | 63.61 |

Table 12. --Highest and Lowest Elevations Experienced by Lake Charity  
for Different Durations

@@@@ LAKE CHARITY NR MAITLAND - ELEV. FT MSL

HIGHEST MEAN VALUES FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MAY 31

| YEAR | 1     | 7     | 14    | 30    | 60    | 120   | 183   | 274   | 1 YEAR |
|------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 1972 | 64.02 | 64.01 | 63.98 | 63.95 | 63.88 | 63.78 | 63.62 | 63.44 | 62.71  |
| 1973 | 62.18 | 62.07 | 61.98 | 61.96 | 61.82 | 61.67 | 61.51 | 61.43 | 60.98  |
| 1974 | 62.60 | 62.58 | 62.57 | 62.53 | 62.46 | 62.28 | 62.08 | 61.75 | 61.07  |
| 1975 | 64.00 | 63.99 | 63.98 | 63.95 | 63.85 | 63.66 | 63.50 | 63.23 | 62.42  |
| 1976 | 67.53 | 67.50 | 67.49 | 67.47 | 67.40 | 67.24 | 66.96 | 66.36 | 64.89  |
| 1977 | 66.67 | 66.64 | 66.63 | 66.60 | 66.48 | 66.26 | 66.09 | 65.81 | 65.05  |
| 1978 | 65.02 | 63.04 | 62.93 | 62.75 | 62.70 | 62.57 | 62.53 | 62.40 | 61.97  |

@@@@ LAKE CHARITY NR MAITLAND - ELEV. FT MSL

LOWEST MEAN VALUES FOR THE FOLLOWING NO OF CONSECUTIVE DAYS IN YEAR ENDING SEPT 30

| YEAR | 1     | 7     | 14    | 30    | 60    | 120   | 183   | 274   | 1 YEAR |
|------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 1972 | 61.22 | 61.24 | 61.26 | 61.32 | 61.50 | 61.66 | 61.95 | 62.27 | 62.59  |
| 1973 | 60.19 | 60.21 | 60.24 | 60.31 | 60.41 | 60.65 | 60.84 | 60.98 | 61.09  |
| 1974 | 59.88 | 59.95 | 59.98 | 60.05 | 60.24 | 60.69 | 61.08 | 61.47 | 61.86  |
| 1975 | 61.15 | 61.20 | 61.25 | 61.34 | 61.45 | 61.81 | 62.21 | 62.61 | 63.05  |
| 1976 | 64.82 | 64.85 | 64.89 | 64.92 | 64.96 | 65.08 | 65.37 | 65.84 | 66.19  |
| 1977 | 62.09 | 62.11 | 62.16 | 62.26 | 62.39 | 62.56 | 62.98 | 63.82 | 64.41  |
| 1978 | 61.18 | 61.22 | 61.30 | 61.39 | 61.46 | 61.73 | 61.92 | 62.03 | 62.33  |

Table 13. --Observed Monthly Mean Elevations for Lake Faith

MONTHLY DATA FOR WATER YEARS - LAKE FAITH AT MAITLAND, ELEVATION - FT MSL

29

|      | OCT   | NOV   | DEC   | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1972 | 66.72 | 66.44 | 66.27 | 65.97 | 65.98 | 65.75 | 65.80 | 65.40 | 65.05 | 64.87 | 64.58 | 64.97 |
| 1973 | 64.65 | 64.51 | 64.70 | 64.76 | 64.91 | 64.83 | 64.78 | 64.38 | 64.12 | 64.28 | 64.77 | 65.47 |
| 1974 | 66.12 | 65.89 | 65.59 | 65.43 | 65.10 | 64.72 | 64.39 | 63.85 | 64.04 | 66.09 | 66.80 | 67.55 |
| 1975 | 67.96 | 67.62 | 67.29 | 67.13 | 66.85 | 66.42 | 65.80 | 65.24 | 65.19 | 66.41 | 68.17 | 69.05 |
| 1976 | 69.99 | 70.15 | 69.79 | 69.38 | 68.86 | 68.40 | 67.82 | 67.55 | 67.71 | 68.05 | 68.56 | 69.16 |
| 1977 | 69.20 | 68.71 | 68.47 | 68.27 | 68.13 | 67.85 | 67.13 | 66.30 | 65.92 | 65.64 | 66.09 | 66.41 |
| 1978 | 66.43 | 66.14 | 66.02 | 65.91 | 65.98 | 66.35 | 65.90 | 65.49 | 65.44 | 66.21 | 67.67 | 67.92 |
| MEAN | 67.29 | 67.07 | 66.87 | 66.69 | 66.54 | 66.33 | 65.95 | 65.46 | 65.35 | 65.94 | 66.66 | 67.22 |

Table 14. --Highest and Lowest Elevations Experienced by Lake Faith for Different Durations

@@@@ LAKE FAITH AT MAITLAND, ELEVATION - FT MSL

HIGHEST MEAN VALUES FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MAY 31

| YEAR | 1     | 7     | 14    | 30    | 60    | 120   | 183   | 274   | 1 YEAR |
|------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 1972 | 66.97 | 66.95 | 66.93 | 66.90 | 66.83 | 66.70 | 66.52 | 66.31 | 65.61  |
| 1973 | 65.23 | 65.15 | 65.08 | 65.05 | 64.96 | 64.87 | 64.77 | 64.78 | 64.39  |
| 1974 | 66.19 | 66.17 | 66.15 | 66.12 | 66.03 | 65.82 | 65.60 | 65.28 | 64.62  |
| 1975 | 68.05 | 68.04 | 68.02 | 67.99 | 67.88 | 67.63 | 67.41 | 67.09 | 66.20  |
| 1976 | 70.25 | 70.24 | 70.21 | 70.17 | 70.09 | 69.86 | 69.54 | 69.06 | 67.84  |
| 1977 | 69.46 | 69.44 | 69.42 | 69.38 | 69.21 | 68.94 | 68.73 | 68.49 | 67.76  |
| 1978 | 67.67 | 66.69 | 66.65 | 66.54 | 66.42 | 66.28 | 66.17 | 66.13 | 65.66  |

@@@@ LAKE FAITH AT MAITLAND, ELEVATION - FT MSL

LOWEST MEAN VALUES FOR THE FOLLOWING NO OF CONSECUTIVE DAYS IN YEAR ENDING SEPT 30

| YEAR | 1     | 7     | 14    | 30    | 60    | 120   | 183   | 274   | 1 YEAR |
|------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 1972 | 64.46 | 64.48 | 64.49 | 64.56 | 64.72 | 64.86 | 65.11 | 65.37 | 65.65  |
| 1973 | 63.99 | 64.01 | 64.02 | 64.05 | 64.17 | 64.36 | 64.53 | 64.58 | 64.68  |
| 1974 | 63.61 | 63.67 | 63.68 | 63.75 | 63.87 | 64.23 | 64.59 | 65.00 | 65.46  |
| 1975 | 64.91 | 64.95 | 65.00 | 65.09 | 65.20 | 65.58 | 65.98 | 66.43 | 66.93  |
| 1976 | 67.26 | 67.33 | 67.42 | 67.53 | 67.60 | 67.77 | 68.01 | 68.39 | 68.78  |
| 1977 | 65.47 | 65.49 | 65.53 | 65.60 | 65.73 | 65.96 | 66.25 | 66.86 | 67.34  |
| 1978 | 65.13 | 65.17 | 65.26 | 65.39 | 65.46 | 65.71 | 65.82 | 65.92 | 66.29  |

Table 15. --Observed Monthly Mean Elevations for Lake Hope

MONTHLY DATA FOR WATER YEARS - LAKE HOPE AT MAITLAND, ELEVATION - FT MSL

31

|      | OCT   | NOV   | DEC   | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1972 | 66.24 | 66.07 | 65.98 | 65.69 | 65.75 | 65.52 | 65.54 | 65.14 | 64.80 | 64.62 | 64.35 | 64.77 |
| 1973 | 64.43 | 64.28 | 64.45 | 64.44 | 64.58 | 64.40 | 64.32 | 63.86 | 63.54 | 63.68 | 64.21 | 64.89 |
| 1974 | 65.49 | 65.32 | 65.08 | 64.93 | 64.60 | 64.24 | 63.89 | 63.34 | 63.53 | 65.41 | 65.96 | 66.57 |
| 1975 | 66.93 | 66.64 | 66.41 | 66.31 | 66.08 | 65.69 | 65.15 | 64.61 | 64.53 | 65.57 | 67.04 | 67.17 |
| 1976 | 67.03 | 67.42 | 67.31 | 67.10 | 66.72 | 66.46 | 66.22 | 66.16 | 66.38 | 66.55 | 66.37 | 66.43 |
| 1977 | 66.47 | 66.21 | 66.14 | 66.08 | 66.08 | 65.98 | 65.49 | 64.82 | 64.50 | 64.29 | 64.75 | 65.14 |
| 1978 | 65.13 | 64.94 | 64.88 | 64.85 | 64.96 | 65.29 | 64.83 | 64.46 | 64.38 | 65.27 | 66.64 | 66.38 |
| MEAN | 65.96 | 65.84 | 65.75 | 65.63 | 65.54 | 65.37 | 65.06 | 64.63 | 64.52 | 65.05 | 65.62 | 65.91 |

Table 16. --Highest and Lowest Elevations Experienced by Lake Hope  
for Different Durations

@@@@ LAKE HOPE AT MAITLAND, ELEVATION -- FT MSL

HIGHEST MEAN VALUES FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MAY 31

| YEAR | 1     | 7     | 14    | 30    | 60    | 120   | 183   | 274   | 1 YEAR |
|------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 1972 | 66.51 | 66.49 | 66.44 | 66.40 | 66.33 | 66.23 | 66.11 | 65.95 | 65.23  |
| 1973 | 64.98 | 64.92 | 64.86 | 64.80 | 64.71 | 64.63 | 64.54 | 64.52 | 64.09  |
| 1974 | 65.55 | 65.53 | 65.52 | 65.50 | 65.42 | 65.25 | 65.05 | 64.74 | 64.08  |
| 1975 | 67.01 | 66.99 | 66.98 | 66.95 | 66.85 | 66.66 | 66.49 | 66.23 | 65.41  |
| 1976 | 67.53 | 67.48 | 67.46 | 67.44 | 67.37 | 67.25 | 67.20 | 66.95 | 66.02  |
| 1977 | 66.74 | 66.67 | 66.60 | 66.56 | 66.49 | 66.46 | 66.40 | 66.30 | 65.72  |
| 1978 | 66.31 | 65.40 | 65.36 | 65.29 | 65.16 | 65.02 | 65.02 | 64.97 | 64.48  |

@@@@ LAKE HOPE AT MAITLAND, ELEVATION -- FT MSL

LOWEST MEAN VALUES FOR THE FOLLOWING NO OF CONSECUTIVE DAYS IN YEAR ENDING SEPT 30

| YEAR | 1     | 7     | 14    | 30    | 60    | 120   | 183   | 274   | 1 YEAR |
|------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 1972 | 64.22 | 64.24 | 64.25 | 64.31 | 64.48 | 64.63 | 64.87 | 65.13 | 65.37  |
| 1973 | 63.42 | 63.44 | 63.44 | 63.48 | 63.59 | 63.81 | 64.00 | 64.16 | 64.25  |
| 1974 | 63.10 | 63.15 | 63.16 | 63.23 | 63.37 | 63.74 | 64.09 | 64.48 | 64.87  |
| 1975 | 64.26 | 64.31 | 64.36 | 64.45 | 64.56 | 64.91 | 65.27 | 65.66 | 66.01  |
| 1976 | 65.88 | 65.93 | 65.99 | 66.09 | 66.19 | 66.30 | 66.34 | 66.49 | 66.68  |
| 1977 | 64.13 | 64.14 | 64.17 | 64.23 | 64.36 | 64.57 | 64.83 | 65.23 | 65.49  |
| 1978 | 64.12 | 64.15 | 64.23 | 64.34 | 64.40 | 64.65 | 64.77 | 64.83 | 65.17  |



Table 17. --Observed Monthly Mean Elevations for Lake Monroe

MONTHLY DATA FOR WATER YEARS - LAKE MONROE NR SANFORD, ELEVATION - FT MSL

|      | OCT  | NOV  | DEC  | JAN  | FEB   | MAR  | APR   | MAY  | JUN  | JUL   | AUG  | SEP  |
|------|------|------|------|------|-------|------|-------|------|------|-------|------|------|
| 1942 | 3.63 | 4.56 | 3.83 | 3.00 | 2.05  | 2.88 | 2.54  | 1.29 | 1.50 | 2.55  | 1.80 | 2.01 |
| 1943 | 1.98 | 1.38 | 0.57 | 0.16 | 0.13  | 0.49 | 0.22  | 0.32 | 0.38 | 0.79  | 2.69 | 4.08 |
| 1944 | 5.20 | 3.32 | 1.92 | 1.19 | 0.36  | 0.41 | 0.92  | 0.64 | 0.85 | 1.72  | 3.51 | 3.71 |
| 1945 | 4.24 | 4.71 | 2.75 | 1.59 | 0.75  | 0.03 | 0.06  | 0.07 | 0.22 | 3.73  | 4.57 | 5.44 |
| 1946 | 6.09 | 3.76 | 2.30 | 1.80 | 1.02  | 0.90 | 0.67  | 0.50 | 0.73 | 1.37  | 3.74 | 4.12 |
| 1947 | 3.93 | 2.65 | 1.91 | 0.74 | 0.86  | 1.70 | 2.29  | 1.28 | 1.49 | 3.48  | 3.85 | 4.18 |
| 1948 | 6.82 | 5.88 | 4.00 | 2.92 | 3.45  | 2.67 | 1.39  | 0.72 | 0.62 | 0.74  | 2.39 | 3.32 |
| 1949 | 6.83 | 4.73 | 2.63 | 1.16 | 0.73  | 0.62 | 0.35  | 0.52 | 0.87 | 1.46  | 1.22 | 3.90 |
| 1950 | 5.47 | 4.01 | 2.22 | 1.79 | 0.65  | 0.42 | 0.33  | 0.26 | 0.11 | -0.30 | 0.32 | 1.65 |
| 1951 | 3.17 | 4.57 | 2.47 | 1.27 | 1.07  | 0.50 | 0.19  | 0.38 | 0.37 | 0.46  | 0.89 | 1.35 |
| 1952 | 3.93 | 3.33 | 2.35 | 1.30 | 0.96  | 1.36 | 1.06  | 0.44 | 0.26 | 0.29  | 0.31 | 1.53 |
| 1953 | 3.46 | 4.37 | 2.56 | 1.08 | 0.69  | 0.73 | 2.04  | 0.80 | 0.43 | 0.54  | 1.91 | 6.49 |
| 1954 | 8.12 | 6.12 | 4.61 | 3.29 | 1.65  | 0.65 | 0.65  | 0.73 | 1.40 | 1.80  | 1.90 | 1.55 |
| 1955 | 2.48 | 2.49 | 1.64 | 0.98 | 1.02  | 0.35 | 0.29  | 0.69 | 0.46 | 0.77  | 1.10 | 1.86 |
| 1956 | 2.38 | 1.71 | 1.05 | 1.02 | 0.46  | 0.02 | -0.02 | 0.29 | 0.30 | -0.11 | 0.19 | 1.26 |
| 1957 | 3.28 | 5.06 | 2.55 | 0.78 | 0.54  | 0.82 | 0.55  | 0.85 | 1.01 | 0.91  | 2.08 | 4.05 |
| 1958 | 4.04 | 2.35 | 1.10 | 1.60 | 1.64  | 3.10 | 2.71  | 1.40 | 0.60 | 0.68  | 0.69 | 0.87 |
| 1959 | 1.95 | 2.07 | 1.29 | 1.61 | 1.00  | 2.47 | 4.02  | 2.40 | 1.91 | 2.36  | 2.16 | 2.75 |
| 1960 | 3.62 | 3.67 | 2.77 | 1.84 | 1.63  | 3.62 | 5.00  | 2.29 | 1.44 | 3.18  | 5.40 | 6.32 |
| 1961 | 7.72 | 5.32 | 2.98 | 1.50 | 1.54  | 0.79 | 0.46  | 0.30 | 0.28 | 0.30  | 0.68 | 1.98 |
| 1962 | 2.17 | 1.28 | 0.73 | 0.24 | 0.32  | 0.85 | 0.15  | 0.44 | 0.53 | 0.67  | 1.16 | 2.31 |
| 1963 | 3.06 | 2.06 | 1.53 | 1.06 | 1.90  | 2.09 | 0.89  | 0.38 | 0.35 | 0.39  | 0.40 | 1.79 |
| 1964 | 3.66 | 2.81 | 2.61 | 2.77 | 3.13  | 2.08 | 1.10  | 1.16 | 0.50 | 0.36  | 1.23 | 5.80 |
| 1965 | 5.14 | 2.77 | 1.72 | 1.01 | 0.96  | 0.94 | 0.83  | 0.07 | 0.43 | 1.19  | 1.85 | 1.65 |
| 1966 | 2.09 | 2.03 | 1.37 | 1.34 | 1.52  | 3.40 | 2.19  | 1.10 | 1.98 | 3.56  | 3.40 | 2.90 |
| 1967 | 3.52 | 2.45 | 1.56 | 0.87 | 0.95  | 0.48 | 0.45  | 0.24 | 1.24 | 1.23  | 2.39 | 3.15 |
| 1968 | 2.15 | 1.13 | 0.73 | 0.77 | 0.86  | 0.36 | 0.16  | 0.20 | 3.33 | 5.33  | 3.59 | 2.99 |
| 1969 | 2.77 | 3.36 | 1.61 | 1.17 | 1.15  | 1.50 | 1.15  | 0.80 | 0.89 | 0.49  | 1.64 | 3.16 |
| 1970 | 5.02 | 5.05 | 4.04 | 3.81 | 3.66  | 2.60 | 1.77  | 0.65 | 0.76 | 0.57  | 0.96 | 1.08 |
| 1971 | 1.64 | 1.31 | 0.84 | 0.78 | 0.47  | 0.24 | 0.44  | 0.27 | 0.42 | 0.56  | 0.90 | 1.08 |
| 1972 | 1.75 | 2.03 | 1.70 | 1.13 | 1.54  | 0.95 | 1.36  | 1.27 | 1.51 | 1.27  | 1.23 | 2.21 |
| 1973 | 1.84 | 1.81 | 1.69 | 1.83 | 2.27  | 1.59 | 1.38  | 0.61 | 0.57 | 0.99  | 1.71 | 2.64 |
| 1974 | 3.17 | 2.46 | 1.49 | 0.69 | 0.48  | 0.40 | 0.29  | 0.40 | 0.91 | 3.56  | 4.35 | 3.94 |
| 1975 | 4.25 | 2.34 | 1.04 | 0.62 | 0.73  | 0.49 | 0.61  | 0.77 | 0.96 | 1.46  | 1.67 | 2.06 |
| 1976 | 2.64 | 2.24 | 1.37 | 0.74 | -0.02 | 0.21 | 0.58  | 0.60 | 1.82 | 1.67  | 2.04 | 2.74 |
| 1977 | 2.58 | 1.84 | 1.53 | 1.27 | 0.81  | 0.52 | 0.17  | 0.40 | 0.75 | 0.28  | 0.77 | 1.39 |
| 1978 | 1.24 | 1.46 | 1.40 | 1.30 | 2.09  | 2.79 | 1.06  | 0.63 | 0.81 | 1.49  | 3.19 | 3.14 |
| 1979 | 2.56 | 2.00 | 1.09 | 1.71 | 1.78  | 1.68 | 0.47  | 1.23 | 1.18 | 1.51  | 1.43 | 3.17 |
| MEAN | 3.67 | 3.07 | 1.99 | 1.41 | 1.23  | 1.26 | 1.07  | 0.72 | 0.90 | 1.46  | 2.01 | 2.84 |

Table 18A. --Highest Elevations Experienced by Lake Monroe for  
Different Durations

##### LAKE MONROE NR SANFORD, ELEVATION - FT MSL

HIGHEST MEAN VALUES FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MAY 31

| YEAR | 1    | 7    | 14   | 30   | 60   | 120  | 183  | 274  | 1 YEAR |
|------|------|------|------|------|------|------|------|------|--------|
| 1943 | 2.67 | 2.63 | 2.62 | 2.57 | 2.24 | 2.11 | 1.87 | 1.35 | 1.09   |
| 1944 | 5.69 | 5.66 | 5.53 | 5.35 | 4.76 | 3.86 | 3.10 | 2.27 | 1.82   |
| 1945 | 5.70 | 5.65 | 5.56 | 5.22 | 4.49 | 4.08 | 3.47 | 2.66 | 2.01   |
| 1946 | 7.30 | 7.28 | 7.16 | 6.76 | 5.86 | 5.17 | 4.32 | 3.32 | 2.59   |
| 1947 | 4.63 | 4.59 | 4.50 | 4.33 | 4.07 | 3.65 | 2.96 | 2.46 | 2.10   |
| 1948 | 7.14 | 7.12 | 7.10 | 6.94 | 6.39 | 5.29 | 4.71 | 4.15 | 3.39   |
| 1949 | 7.32 | 7.28 | 7.19 | 6.85 | 5.95 | 4.52 | 3.54 | 2.59 | 2.06   |
| 1950 | 5.91 | 5.84 | 5.75 | 5.49 | 4.91 | 3.94 | 3.13 | 2.41 | 1.89   |
| 1951 | 5.66 | 5.63 | 5.50 | 5.09 | 4.17 | 3.03 | 2.36 | 1.70 | 1.28   |
| 1952 | 4.27 | 4.25 | 4.23 | 4.08 | 3.66 | 2.85 | 2.25 | 1.83 | 1.47   |
| 1953 | 4.97 | 4.94 | 4.86 | 4.59 | 4.01 | 3.04 | 2.31 | 1.93 | 1.50   |
| 1954 | 8.50 | 8.46 | 8.40 | 8.14 | 7.56 | 6.37 | 5.16 | 3.74 | 2.94   |
| 1955 | 2.92 | 2.92 | 2.88 | 2.73 | 2.55 | 2.11 | 2.02 | 1.70 | 1.38   |
| 1956 | 2.54 | 2.51 | 2.49 | 2.38 | 2.23 | 1.79 | 1.52 | 1.20 | 0.92   |
| 1957 | 5.82 | 5.80 | 5.74 | 5.46 | 4.57 | 3.10 | 2.26 | 1.74 | 1.33   |
| 1958 | 4.49 | 4.42 | 4.33 | 4.28 | 4.06 | 3.15 | 2.54 | 2.51 | 2.14   |
| 1959 | 4.66 | 4.60 | 4.46 | 4.11 | 3.52 | 2.42 | 2.10 | 1.93 | 1.61   |
| 1960 | 6.45 | 6.37 | 6.20 | 5.60 | 4.44 | 3.24 | 3.08 | 3.02 | 2.76   |
| 1961 | 8.14 | 8.12 | 8.10 | 7.88 | 7.30 | 6.25 | 5.16 | 3.94 | 3.08   |
| 1962 | 2.74 | 2.71 | 2.63 | 2.43 | 2.08 | 1.62 | 1.19 | 0.95 | 0.79   |
| 1963 | 3.35 | 3.33 | 3.30 | 3.17 | 2.81 | 2.30 | 2.02 | 1.78 | 1.46   |
| 1964 | 4.27 | 4.22 | 4.12 | 3.79 | 3.29 | 2.97 | 2.90 | 2.34 | 1.83   |
| 1965 | 7.19 | 7.16 | 7.06 | 6.55 | 5.52 | 3.93 | 2.94 | 2.26 | 1.77   |
| 1966 | 3.80 | 3.77 | 3.70 | 3.41 | 2.83 | 2.10 | 2.02 | 1.93 | 1.66   |
| 1967 | 3.95 | 3.88 | 3.79 | 3.63 | 3.50 | 3.36 | 3.00 | 2.36 | 1.87   |
| 1968 | 3.45 | 3.42 | 3.35 | 3.15 | 2.95 | 2.27 | 1.88 | 1.52 | 1.19   |
| 1969 | 5.52 | 5.51 | 5.50 | 5.34 | 4.89 | 3.93 | 3.62 | 2.84 | 2.39   |
| 1970 | 5.57 | 5.55 | 5.47 | 5.24 | 5.05 | 4.51 | 4.12 | 3.40 | 2.71   |
| 1971 | 1.92 | 1.86 | 1.75 | 1.71 | 1.52 | 1.28 | 1.12 | 0.94 | 0.78   |
| 1972 | 2.32 | 2.27 | 2.26 | 2.21 | 2.01 | 1.67 | 1.55 | 1.42 | 1.21   |
| 1973 | 2.61 | 2.59 | 2.54 | 2.30 | 2.14 | 1.94 | 1.94 | 1.76 | 1.59   |
| 1974 | 3.27 | 3.24 | 3.21 | 3.18 | 2.95 | 2.52 | 2.08 | 1.58 | 1.28   |
| 1975 | 4.66 | 4.63 | 4.55 | 4.38 | 4.21 | 4.07 | 3.30 | 2.43 | 1.98   |
| 1976 | 3.01 | 2.97 | 2.89 | 2.64 | 2.51 | 2.17 | 1.92 | 1.47 | 1.21   |
| 1977 | 2.89 | 2.88 | 2.87 | 2.81 | 2.71 | 2.32 | 2.12 | 1.81 | 1.45   |
| 1978 | 3.26 | 3.21 | 3.14 | 2.95 | 2.46 | 1.90 | 1.71 | 1.49 | 1.24   |
| 1979 | 3.52 | 3.50 | 3.47 | 3.37 | 3.19 | 2.78 | 2.29 | 2.07 | 1.76   |

Table 18B. --Lowest Elevations Experienced by Lake Monroe for  
Different Durations

LAKE MONROE NR SANFORD, ELEVATION - FT MSL

LOWEST MEAN VALUES FOR THE FOLLOWING NO OF CONSECUTIVE DAYS IN YEAR ENDING SEPT 30

| YEAR | 1     | 7     | 14    | 30    | 60    | 120  | 183  | 274  | 1 YEAR |
|------|-------|-------|-------|-------|-------|------|------|------|--------|
| 1942 | 0.82  | 0.88  | 0.93  | 1.12  | 1.38  | 1.78 | 1.95 | 2.19 | 2.64   |
| 1943 | -0.12 | -0.09 | -0.06 | 0.09  | 0.14  | 0.24 | 0.28 | 0.50 | 1.10   |
| 1944 | 0.15  | 0.17  | 0.19  | 0.23  | 0.38  | 0.57 | 0.73 | 1.23 | 1.99   |
| 1945 | -0.52 | -0.45 | -0.35 | -0.16 | -0.01 | 0.03 | 0.47 | 1.53 | 2.36   |
| 1946 | 0.28  | 0.36  | 0.42  | 0.44  | 0.57  | 0.70 | 0.85 | 1.43 | 2.26   |
| 1947 | 0.35  | 0.45  | 0.46  | 0.52  | 0.81  | 1.30 | 1.34 | 1.83 | 2.37   |
| 1948 | 0.18  | 0.23  | 0.26  | 0.43  | 0.55  | 0.84 | 1.41 | 1.98 | 2.91   |
| 1949 | 0.11  | 0.16  | 0.27  | 0.32  | 0.40  | 0.55 | 0.68 | 1.07 | 2.09   |
| 1950 | -0.51 | -0.49 | -0.46 | -0.34 | -0.16 | 0.04 | 0.18 | 0.59 | 1.42   |
| 1951 | -0.12 | -0.03 | 0.09  | 0.14  | 0.23  | 0.35 | 0.45 | 0.72 | 1.39   |
| 1952 | -0.19 | -0.16 | -0.08 | 0.03  | 0.12  | 0.29 | 0.58 | 0.83 | 1.43   |
| 1953 | -0.02 | -0.00 | 0.09  | 0.26  | 0.33  | 0.81 | 0.86 | 1.20 | 2.09   |
| 1954 | 0.32  | 0.36  | 0.46  | 0.55  | 0.63  | 0.78 | 1.15 | 1.53 | 2.72   |
| 1955 | 0.04  | 0.10  | 0.15  | 0.28  | 0.31  | 0.44 | 0.59 | 0.79 | 1.18   |
| 1956 | -0.45 | -0.41 | -0.38 | -0.23 | -0.01 | 0.10 | 0.10 | 0.34 | 0.71   |
| 1957 | 0.14  | 0.19  | 0.24  | 0.43  | 0.64  | 0.64 | 0.75 | 1.13 | 1.88   |
| 1958 | 0.27  | 0.31  | 0.35  | 0.49  | 0.57  | 0.70 | 1.15 | 1.47 | 1.73   |
| 1959 | 0.69  | 0.77  | 0.79  | 1.01  | 1.22  | 1.38 | 1.76 | 2.09 | 2.17   |
| 1960 | 1.05  | 1.11  | 1.21  | 1.38  | 1.66  | 2.22 | 2.62 | 2.80 | 3.40   |
| 1961 | 0.02  | 0.06  | 0.08  | 0.19  | 0.27  | 0.30 | 0.46 | 0.86 | 1.99   |
| 1962 | -0.11 | -0.04 | -0.02 | 0.11  | 0.28  | 0.39 | 0.42 | 0.56 | 0.91   |
| 1963 | -0.11 | -0.08 | 0.03  | 0.20  | 0.25  | 0.34 | 0.63 | 0.94 | 1.32   |
| 1964 | -0.02 | 0.02  | 0.10  | 0.33  | 0.42  | 0.68 | 1.06 | 1.65 | 2.26   |
| 1965 | -0.18 | -0.11 | -0.08 | 0.01  | 0.23  | 0.53 | 0.68 | 0.99 | 1.55   |
| 1966 | 0.85  | 0.92  | 1.03  | 1.07  | 1.31  | 1.56 | 1.82 | 1.90 | 2.24   |
| 1967 | 0.01  | 0.05  | 0.06  | 0.20  | 0.32  | 0.52 | 0.70 | 1.01 | 1.55   |
| 1968 | -0.22 | -0.15 | -0.09 | 0.06  | 0.17  | 0.37 | 0.50 | 1.07 | 1.80   |
| 1969 | 0.37  | 0.40  | 0.43  | 0.49  | 0.66  | 0.78 | 0.99 | 1.16 | 1.64   |
| 1970 | 0.26  | 0.39  | 0.45  | 0.54  | 0.64  | 0.72 | 0.96 | 1.75 | 2.49   |
| 1971 | -0.07 | 0.01  | 0.11  | 0.21  | 0.28  | 0.34 | 0.38 | 0.55 | 0.75   |
| 1972 | 0.51  | 0.60  | 0.67  | 0.93  | 1.13  | 1.23 | 1.24 | 1.32 | 1.49   |
| 1973 | 0.24  | 0.32  | 0.42  | 0.47  | 0.58  | 0.86 | 1.14 | 1.40 | 1.57   |
| 1974 | 0.06  | 0.12  | 0.18  | 0.24  | 0.33  | 0.39 | 0.52 | 1.15 | 1.86   |
| 1975 | 0.30  | 0.36  | 0.39  | 0.41  | 0.53  | 0.59 | 0.67 | 0.92 | 1.42   |
| 1976 | -0.19 | -0.13 | -0.11 | -0.01 | 0.10  | 0.32 | 0.58 | 0.97 | 1.39   |
| 1977 | 0.04  | 0.09  | 0.11  | 0.15  | 0.24  | 0.39 | 0.46 | 0.70 | 1.03   |
| 1978 | 0.36  | 0.39  | 0.40  | 0.50  | 0.68  | 0.97 | 1.40 | 1.39 | 1.72   |
| 1979 | 0.20  |       |       |       |       |      |      |      |        |

Table 19. --Observed Monthly Mean Elevations for Lake Wekiva

MONTHLY DATA FOR WATER YEARS - LAKE WEKIVA NR MAITLAND, ELEVATION - FT MSL

|      | OCT   | NOV   | DEC   | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1970 | 83.80 | 83.62 | 83.67 | 83.74 | 83.79 | 83.65 | 83.48 | 83.37 | 83.58 | 83.69 | 83.79 | 83.61 |
| 1971 | 83.51 | 83.48 | 83.49 | 83.49 | 83.94 | 83.94 | 83.56 | 83.98 | 84.02 | 84.18 | 84.11 | 84.09 |
| 1972 | 83.97 | 83.68 | 83.69 | 83.62 | 83.88 | 83.86 | 84.00 | 83.97 | 83.63 | 83.90 | 83.96 | 83.94 |
| 1973 | 83.89 | 84.11 | 84.05 | 84.04 | 83.98 | 83.42 | 83.36 | 83.05 | 83.14 | 83.70 | 83.40 | 84.26 |
| 1974 | 84.12 | 83.11 | 83.17 | 83.22 | 83.25 | 83.21 | 83.26 | 83.13 | 84.01 | 84.72 | 84.25 | 84.30 |
| 1975 | 84.07 | 83.55 | 83.38 | 83.36 | 83.83 | 83.58 | 83.15 | 83.12 | 83.54 | 84.14 | 84.61 | 84.08 |
| 1976 | 83.95 | 83.38 | 83.20 | 83.15 | 83.17 | 83.47 | 83.33 | 83.80 | 83.55 | 83.56 | 83.83 | 83.84 |
| 1977 | 83.27 | 83.26 | 83.29 | 83.41 | 83.43 | 83.35 | 83.07 | 82.68 | 82.98 | 83.70 | 83.93 | 84.10 |
| 1978 | 83.30 | 83.27 | 83.47 | 83.40 | 83.99 | 83.97 | 83.04 | 83.10 | 83.56 | 84.16 | 83.85 | 83.27 |
| 1979 | 83.10 | 82.93 | 83.00 | 83.76 | 83.41 | 83.57 | 83.15 | 83.43 | 83.36 | 83.50 | 83.57 | 83.67 |
| MEAN | 83.70 | 83.44 | 83.44 | 83.52 | 83.67 | 83.60 | 83.38 | 83.36 | 83.54 | 83.93 | 83.93 | 83.91 |

Table 20. --Highest and Lowest Elevations Experienced by Lake Wekiva  
for Different Durations

@@@@ LAKE WEKIVA NR MAITLAND, ELEVATION - FT MSL

HIGHEST MEAN VALUES FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MAY 31

| YEAR | 1     | 7     | 14    | 30    | 60    | 120   | 183   | 274   | 1 YEAR |
|------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 1971 | 84.28 | 84.16 | 84.10 | 84.01 | 83.98 | 83.94 | 83.79 | 83.71 | 83.01  |
| 1972 | 84.39 | 84.25 | 84.22 | 84.19 | 84.16 | 84.10 | 84.01 | 83.92 | 83.23  |
| 1973 | 84.78 | 84.32 | 84.18 | 84.12 | 84.08 | 84.06 | 84.02 | 83.95 | 83.32  |
| 1974 | 85.92 | 85.53 | 85.04 | 84.66 | 84.20 | 83.88 | 83.63 | 83.49 | 82.96  |
| 1975 | 87.04 | 86.56 | 86.06 | 85.21 | 84.69 | 84.45 | 84.15 | 83.96 | 83.32  |
| 1976 | 85.37 | 84.99 | 84.87 | 84.69 | 84.50 | 84.23 | 83.95 | 83.70 | 82.97  |
| 1977 | 84.15 | 84.10 | 84.03 | 83.97 | 83.84 | 83.70 | 83.55 | 83.49 | 82.92  |
| 1978 | 84.87 | 84.68 | 84.50 | 84.44 | 84.02 | 83.78 | 83.63 | 83.68 | 83.06  |
| 1979 | 84.66 | 84.48 | 84.40 | 84.31 | 84.03 | 83.72 | 83.48 | 83.46 | 82.98  |

@@@@ LAKE WEKIVA NR MAITLAND, ELEVATION - FT MSL

LOWEST MEAN VALUES FOR THE FOLLOWING NO OF CONSECUTIVE DAYS IN YEAR ENDING SEPT 30

| YEAR | 1     | 7     | 14    | 30    | 60    | 120   | 183   | 274   | 1 YEAR |
|------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 1970 | 83.26 | 83.29 | 83.31 | 83.35 | 83.42 | 83.51 | 83.58 | 83.62 | 83.65  |
| 1971 | 83.43 | 83.44 | 83.46 | 83.47 | 83.48 | 83.49 | 83.64 | 83.75 | 83.85  |
| 1972 | 83.27 | 83.31 | 83.34 | 83.60 | 83.65 | 83.71 | 83.78 | 83.80 | 83.84  |
| 1973 | 82.96 | 83.01 | 83.02 | 83.05 | 83.08 | 83.24 | 83.34 | 83.56 | 83.70  |
| 1974 | 83.01 | 83.03 | 83.07 | 83.08 | 83.13 | 83.18 | 83.20 | 83.40 | 83.65  |
| 1975 | 82.86 | 82.89 | 82.93 | 83.01 | 83.13 | 83.33 | 83.39 | 83.48 | 83.70  |
| 1976 | 83.01 | 83.03 | 83.05 | 83.09 | 83.14 | 83.22 | 83.28 | 83.40 | 83.52  |
| 1977 | 82.49 | 82.53 | 82.58 | 82.66 | 82.75 | 83.01 | 83.15 | 83.19 | 83.37  |
| 1978 | 82.87 | 82.89 | 82.94 | 83.01 | 83.06 | 83.34 | 83.48 | 83.45 | 83.53  |
| 1979 | 82.83 | 82.83 | 82.84 | 82.87 | 82.92 | 83.19 | 83.29 | 83.30 | 83.37  |

Table 21. --Observed Monthly Mean Elevations for Lake Dorr

MONTHLY DATA FOR WATER YEARS - LAKE DORR NEAR ALTOONA, ELEV. FT-MSL

|      | OCT   | NOV   | DEC   | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1966 | 43.22 | 43.00 | 42.94 | 43.04 | 43.25 | 43.50 | 43.32 | 43.25 | 43.37 | 43.51 | 43.64 | 43.70 |
| 1967 | 43.49 | 43.16 | 42.91 | 43.00 | 43.07 | 43.08 | 42.67 | 42.26 | 42.35 | 42.94 | 43.26 | 43.33 |
| 1968 | 43.03 | 42.69 | 42.60 | 42.53 | 42.43 | 42.52 | 42.35 | 42.18 | 42.63 | 43.16 | 43.57 | 43.67 |
| 1969 | 43.63 | 43.54 | 43.33 | 43.42 | 43.39 | 43.46 | 43.27 | 42.95 | 42.73 | 42.92 | 43.53 | 43.63 |
| 1970 | 43.58 | 43.40 | 43.51 | 43.67 | 43.68 | 43.60 | 43.54 | 43.05 | 43.01 | 43.06 | 43.45 | 43.49 |
| 1971 | 43.12 | 42.99 | 42.79 | 42.86 | 43.24 | 43.21 | 43.14 | 42.83 | 42.68 | 42.86 | 42.93 | 42.89 |
| 1972 | 42.87 | 42.96 | 43.20 | 43.10 | 43.34 | 43.39 | 43.39 | 43.10 | 43.26 | 43.39 | 43.32 | 43.12 |
| 1973 | 43.05 | 43.07 | 43.42 | 43.56 | 43.59 | 43.42 | 43.42 | 43.18 | 43.47 | 43.55 | 43.68 | 43.70 |
| 1974 | 43.43 | 43.10 | 43.16 | 43.33 | 43.12 | 43.09 | 42.94 | 42.76 | 42.86 | 43.61 | 43.67 | 43.59 |
| 1975 | 43.36 | 42.98 | 42.83 | 43.00 | 43.10 | 42.97 | 42.88 | 42.75 | 42.76 | 42.80 | --    | 43.76 |
| 1976 | 43.46 | 43.31 | 43.12 | 43.22 | 43.17 | 43.04 | 42.95 | 43.11 | 43.70 | 43.56 | 43.63 | 43.55 |
| 1977 | 43.35 | 43.13 | 43.36 | 43.59 | 43.62 | 43.45 | 43.04 | 42.66 | 42.86 | 42.87 | 42.92 | 43.36 |
| 1978 | 43.17 | 43.04 | 43.33 | 43.54 | 43.67 | 43.77 | 43.32 | 43.16 | 43.56 | 43.94 | 43.89 | 43.69 |
| 1979 | 43.31 | 43.10 | 43.10 | 43.54 | 43.58 | 43.68 | 43.40 | 43.74 | 43.46 | 43.38 | 43.56 | 43.96 |
| MEAN | 43.29 | 43.10 | 43.12 | 43.24 | 43.30 | 43.30 | 43.12 | 42.93 | 43.05 | 43.25 | 43.47 | 43.53 |

Table 22. --Observed Monthly Mean Elevations for Lake Kerr

MONTHLY DATA FOR WATER YEARS - LAKE KERR NEAR EUREKA, ELEVATION - FT MSL

|      | OCT   | NOV   | DEC   | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1962 | 24.35 | 24.31 | 24.11 | 23.90 | 23.70 | 23.42 | 23.11 | 22.65 | 22.69 | 23.01 | 23.28 | 23.44 |
| 1963 | 23.17 | 22.84 | 22.64 | 22.55 | 22.61 | 22.69 | 22.30 | 22.04 | 21.98 | 22.23 | 22.17 | 22.17 |
| 1964 | 22.50 | 22.37 | 22.30 | 22.69 | 23.08 | 23.19 | 23.09 | 23.15 | 22.75 | 22.99 | 23.55 | 24.13 |
| 1965 | 24.13 | 24.06 | 24.15 | 24.35 | 24.49 | 24.59 | 24.47 | 24.09 | 24.45 | 24.88 | 25.94 | 25.92 |
| 1966 | 26.01 | 25.84 | 25.81 | 25.84 | 25.92 | 26.15 | 25.93 | 25.76 | 25.81 | 25.96 | 26.49 | 26.65 |
| 1967 | 26.85 | 26.51 | 26.25 | 26.24 | 26.29 | 26.22 | 25.77 | 25.29 | 25.17 | 25.81 | 26.06 | 25.88 |
| 1968 | 25.57 | 25.15 | 25.02 | 24.85 | 24.64 | 24.46 | 24.07 | 23.63 | 23.86 | 24.21 | 24.34 | 24.76 |
| 1969 | 24.89 | 25.27 | 25.10 | 25.08 | 25.05 | 25.09 | 24.96 | 24.67 | 24.59 | 24.31 | 24.55 | 24.94 |
| 1970 | 25.29 | 25.26 | 25.28 | 25.48 | 25.76 | 25.85 | 26.13 | 25.74 | 25.47 | 25.38 | 25.52 | 25.51 |
| 1971 | 25.14 | 24.77 | 24.55 | 24.48 | 24.60 | 24.54 | 24.56 | 24.24 | 23.97 | 24.04 | 24.23 | 24.01 |
| 1972 | 23.73 | 23.54 | 23.57 | 23.53 | 23.80 | 23.89 | 23.91 | 23.65 | 23.59 | 23.80 | 23.79 | 23.71 |
| 1973 | 23.25 | 23.23 | 23.47 | 23.68 | 23.82 | 23.72 | 23.77 | 23.43 | 23.59 | 23.68 | 23.76 | 23.99 |
| 1974 | 23.83 | 23.48 | 23.36 | 23.35 | 23.10 | 22.97 | 22.92 | 22.71 | 22.95 | 23.83 | 24.52 | 24.93 |
| 1975 | 24.73 | 24.47 | 24.34 | 24.36 | 24.34 | 24.19 | 24.02 | 23.89 | 23.74 | 23.94 | 24.17 | 24.22 |
| 1976 | 24.31 | 24.17 | 23.94 | 23.86 | 23.69 | 23.37 | 23.15 | 23.20 | 23.30 | 23.18 | 22.97 | 23.03 |
| 1977 | 22.83 | 22.56 | 22.72 | 23.02 | 23.01 | 22.90 | 22.43 | 21.89 | 21.72 | 21.90 | 22.02 | 22.25 |
| 1978 | 22.06 | 21.90 | 22.25 | 22.49 | 22.73 | 23.16 | 22.92 | 22.73 | 22.77 | 22.71 | 23.16 | 23.05 |
| 1979 | 22.85 | 22.60 | 22.47 | 22.74 | 22.91 | 22.89 | 22.66 | 23.06 | 23.03 | 23.18 | 23.54 | 24.09 |
| MEAN | 24.19 | 24.02 | 23.96 | 24.03 | 24.09 | 24.07 | 23.90 | 23.66 | 23.64 | 23.83 | 24.11 | 24.26 |

Table 23. --Highest and Lowest Elevations Experienced by Lake Kerr  
for Different Durations

@@@@ LAKE KERR NEAR EUREKA, ELEVATION - FT MSL

HIGHEST MEAN VALUES FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MAY 31

| YEAR | 1     | 7     | 14    | 30    | 60    | 120   | 183   | 274   | 1 YEAR |
|------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 1963 | 23.53 | 23.51 | 23.47 | 23.44 | 23.38 | 23.24 | 23.08 | 22.93 | 22.59  |
| 1964 | 23.36 | 23.33 | 23.30 | 23.19 | 23.16 | 23.13 | 22.90 | 22.71 | 22.39  |
| 1965 | 24.65 | 24.62 | 24.60 | 24.59 | 24.56 | 24.47 | 24.35 | 24.26 | 23.84  |
| 1966 | 26.25 | 26.24 | 26.20 | 26.17 | 26.08 | 25.96 | 25.93 | 25.93 | 25.55  |
| 1967 | 27.00 | 26.97 | 26.95 | 26.86 | 26.76 | 26.64 | 26.50 | 26.38 | 26.04  |
| 1968 | 26.19 | 26.15 | 26.14 | 26.09 | 26.00 | 25.84 | 25.61 | 25.35 | 24.83  |
| 1969 | 25.35 | 25.31 | 25.30 | 25.28 | 25.23 | 25.14 | 25.11 | 24.98 | 24.63  |
| 1970 | 26.23 | 26.20 | 26.19 | 26.13 | 26.00 | 25.86 | 25.69 | 25.51 | 25.11  |
| 1971 | 25.64 | 25.63 | 25.61 | 25.58 | 25.52 | 25.47 | 25.30 | 25.05 | 24.76  |
| 1972 | 24.29 | 24.26 | 24.25 | 24.23 | 24.17 | 24.07 | 23.92 | 23.82 | 23.63  |
| 1973 | 23.96 | 23.91 | 23.89 | 23.83 | 23.80 | 23.74 | 23.64 | 23.61 | 23.47  |
| 1974 | 24.07 | 24.04 | 24.02 | 23.99 | 23.92 | 23.82 | 23.72 | 23.57 | 23.27  |
| 1975 | 25.02 | 24.99 | 24.98 | 24.96 | 24.85 | 24.68 | 24.57 | 24.43 | 24.08  |
| 1976 | 24.43 | 24.41 | 24.39 | 24.32 | 24.27 | 24.22 | 24.13 | 24.00 | 23.62  |
| 1977 | 23.43 | 23.39 | 23.34 | 23.30 | 23.24 | 23.12 | 22.98 | 22.96 | 22.69  |
| 1978 | 23.36 | 23.22 | 23.22 | 23.17 | 23.04 | 22.88 | 22.70 | 22.49 | 22.22  |
| 1979 | 23.36 | 23.28 | 23.25 | 23.18 | 23.11 | 22.95 | 22.86 | 22.82 | 22.70  |

@@@@ LAKE KERR NEAR EUREKA, ELEVATION - FT MSL

LOWEST MEAN VALUES FOR THE FOLLOWING NO OF CONSECUTIVE DAYS IN YEAR ENDING SEPT 30

| YEAR | 1     | 7     | 14    | 30    | 60    | 120   | 183   | 274   | 1 YEAR |
|------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 1962 | 22.44 | 22.48 | 22.50 | 22.55 | 22.66 | 22.85 | 23.02 | 23.24 | 23.50  |
| 1963 | 21.78 | 21.82 | 21.88 | 21.98 | 22.01 | 22.10 | 22.15 | 22.31 | 22.45  |
| 1964 | 22.22 | 22.24 | 22.25 | 22.30 | 22.33 | 22.45 | 22.69 | 22.79 | 22.98  |
| 1965 | 23.85 | 23.88 | 23.92 | 23.99 | 24.07 | 24.17 | 24.30 | 24.31 | 24.63  |
| 1966 | 25.62 | 25.67 | 25.71 | 25.73 | 25.76 | 25.84 | 25.90 | 25.89 | 26.02  |
| 1967 | 25.07 | 25.11 | 25.12 | 25.14 | 25.22 | 25.50 | 25.66 | 25.86 | 26.03  |
| 1968 | 23.52 | 23.55 | 23.60 | 23.61 | 23.73 | 23.93 | 24.09 | 24.31 | 24.55  |
| 1969 | 24.20 | 24.21 | 24.23 | 24.29 | 24.38 | 24.52 | 24.67 | 24.80 | 24.87  |
| 1970 | 25.11 | 25.13 | 25.16 | 25.21 | 25.25 | 25.32 | 25.49 | 25.58 | 25.55  |
| 1971 | 23.74 | 23.81 | 23.88 | 23.96 | 23.99 | 24.06 | 24.17 | 24.29 | 24.43  |
| 1972 | 23.35 | 23.40 | 23.43 | 23.49 | 23.52 | 23.59 | 23.68 | 23.69 | 23.71  |
| 1973 | 23.05 | 23.07 | 23.08 | 23.15 | 23.23 | 23.40 | 23.53 | 23.55 | 23.61  |
| 1974 | 22.61 | 22.63 | 22.66 | 22.71 | 22.74 | 22.87 | 23.00 | 23.18 | 23.50  |
| 1975 | 23.64 | 23.68 | 23.71 | 23.73 | 23.81 | 23.89 | 23.99 | 24.09 | 24.20  |
| 1976 | 22.84 | 22.86 | 22.90 | 22.95 | 22.99 | 23.11 | 23.14 | 23.30 | 23.51  |
| 1977 | 21.62 | 21.65 | 21.69 | 21.72 | 21.77 | 21.88 | 22.03 | 22.35 | 22.43  |
| 1978 | 21.78 | 21.80 | 21.83 | 21.88 | 21.96 | 22.17 | 22.43 | 22.55 | 22.66  |
| 1979 | 22.40 | 22.41 | 22.42 | 22.46 | 22.52 | 22.65 | 22.71 | 22.80 | 23.00  |



Table 24. --Observed Monthly Mean Elevations for Lake George

MONTHLY DATA FOR WATER YEARS - LAKE GEORGE NR SALT SPRINGS, ELEVATION - FT MSL

|      | OCT  | NOV  | DEC  | JAN  | FEB  | MAR   | APR  | MAY  | JUN  | JUL  | AUG  | SEP  |
|------|------|------|------|------|------|-------|------|------|------|------|------|------|
| 1973 | 1.26 | 1.43 | 1.32 | 0.99 | 1.20 | 1.13  | 0.94 | 0.88 | 0.33 | 0.32 | 0.55 | 0.91 |
| 1974 | 1.45 | 2.11 | 1.24 | 0.69 | 0.32 | 0.19  | 0.16 | 0.06 | 0.26 | 0.63 | 1.33 | 1.59 |
| 1975 | 1.80 | 2.11 | 1.01 | 0.57 | 0.39 | 0.47  | 0.26 | 0.39 | 0.57 | 0.72 | 0.79 | 0.74 |
| 1976 | 1.21 | 1.66 | 1.26 | 0.85 | 0.32 | -0.29 | 0.01 | 0.39 | 0.38 | 1.09 | 0.59 | 0.90 |
| 1977 | 1.26 | 1.25 | 0.94 | 0.91 | 0.58 | 0.23  | 0.18 | 0.00 | 0.30 | 0.51 | 0.08 | 0.48 |
| 1978 | 0.83 | 0.85 | 1.10 | 0.79 | 0.47 | 0.87  | 1.12 | 0.38 | 0.31 | 0.46 | 0.61 | 1.07 |
| 1979 | 1.37 | 1.67 | 1.46 | 0.62 | 0.47 | 0.56  | 0.52 | 0.13 | 0.75 | 0.81 | 0.79 | 0.61 |
| MEAN | 1.31 | 1.58 | 1.19 | 0.77 | 0.53 | 0.45  | 0.46 | 0.32 | 0.41 | 0.65 | 0.68 | 0.90 |

Table 25. --Highest and Lowest Elevations Experienced by Lake George  
for Different Durations

@@@@ LAKE GEORGE NR SALT SPRINGS, ELEVATION - FT MSL

HIGHEST MEAN VALUES FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MAY 31

| YEAR | 1    | 7    | 14   | 30   | 60   | 120  | 183  | 274  | 1 YEAR |
|------|------|------|------|------|------|------|------|------|--------|
| 1973 | 1.92 | 1.76 | 1.71 | 1.37 | 1.33 | 1.21 | 1.19 | 1.04 | 0.80   |
| 1974 | 2.47 | 2.39 | 2.23 | 2.02 | 1.75 | 1.41 | 1.13 | 0.83 | 0.67   |
| 1975 | 2.75 | 2.56 | 2.37 | 2.10 | 1.88 | 1.65 | 1.37 | 1.05 | 0.89   |
| 1976 | 2.14 | 1.97 | 1.82 | 1.62 | 1.49 | 1.22 | 1.06 | 0.77 | 0.66   |
| 1977 | 1.81 | 1.58 | 1.45 | 1.33 | 1.24 | 1.12 | 0.97 | 0.80 | 0.66   |
| 1978 | 1.80 | 1.59 | 1.31 | 1.12 | 0.97 | 0.88 | 0.82 | 0.73 | 0.60   |
| 1979 | 1.93 | 1.82 | 1.75 | 1.62 | 1.56 | 1.37 | 1.11 | 0.91 | 0.79   |

@@@@ LAKE GEORGE NR SALT SPRINGS, ELEVATION - FT MSL

LOWEST MEAN VALUES FOR THE FOLLOWING NO OF CONSECUTIVE DAYS IN YEAR ENDING SEPT 30

| YEAR | 1     | 7     | 14    | 30    | 60    | 120  | 183  | 274  | 1 YEAR |
|------|-------|-------|-------|-------|-------|------|------|------|--------|
| 1973 | -0.06 | 0.04  | 0.16  | 0.22  | 0.29  | 0.45 | 0.63 | 0.80 | 0.94   |
| 1974 | -0.19 | -0.07 | -0.03 | 0.05  | 0.10  | 0.16 | 0.24 | 0.55 | 0.84   |
| 1975 | 0.00  | 0.14  | 0.16  | 0.20  | 0.31  | 0.37 | 0.43 | 0.54 | 0.82   |
| 1976 | -0.49 | -0.43 | -0.39 | -0.30 | -0.15 | 0.08 | 0.27 | 0.45 | 0.70   |
| 1977 | -0.22 | -0.14 | -0.10 | -0.01 | 0.08  | 0.14 | 0.21 | 0.36 | 0.56   |
| 1978 | -0.20 | -0.01 | 0.08  | 0.16  | 0.32  | 0.43 | 0.59 | 0.67 | 0.74   |
| 1979 | -0.20 | -0.09 | -0.06 | 0.10  | 0.27  | 0.40 | 0.49 | 0.58 | 0.82   |

## PRINCIPAL LAKES IN THE OKLAWAHA RIVER BASIN

Table 26 presents some general information on the principal lakes in the Oklawaha River Basin. Most of these lakes are located in the Upper Oklawaha River Basin which includes the Palatlakaha River Basin. In general, these lakes are interconnected, and become a part of the Palatlakaha-Oklawaha River System (Fig. 5). All major lakes in the Upper Oklawaha River Basin are regulated, the regulation pattern being based on the normal rainfall activity in the basin. The lakes are maintained at a low elevation during summer months to receive storm runoff and at higher elevations during November-February when the basin experiences minimal rainfall activity (Figure 6). However, the annual extreme elevations reached in a lake will depend upon the actual rainfall received by the basin as shown in Figure 7. For 1980, the winter rains in the basin caused Lake Apopka to record the highest elevation in February and when the normal rainfall failed to occur for the rest of the year, the lake dropped to levels much below the regulation schedule. Note that, in general, the regulated lakes record lower levels in March-October when rainfall will be actually high and higher levels in November-February whereas the vice versa is true with the other lakes.

Table 27A-27B present the results of frequency analysis on the annual high and annual low stage data. Monthly mean stage data and the highest and the lowest elevations experienced by the lakes for different durations are presented in Tables 28 through 57.

TABLE NO. 26. --General Information on the Principal Lakes in the Oklawaha River Basin

| Name of the Lake             | County | Surface Area (Acres) | Drainage Area (mi <sup>2</sup> ) | Remarks  |
|------------------------------|--------|----------------------|----------------------------------|--|
| Lake Lowery near Haines City | Polk   | 897                  | 5.4                              | Lake is one of the group of lakes of Green Swamp.  |
| Lake Louisa near Clermont    | Lake   | 3659                 | 121                              | Lake is the most upstream of the Palatlahaha River headwaters. Partly controlled by the spillway at outlet of Cherry Lake. |
| Lake Minnehaha at Clermont   | Lake   | 2410                 | 131                              | Located in the Palatlahaha headwaters. Lake level is partly controlled by the outlet of Cherry Lake.                       |
| *Lake Apshawa near Mineola   | Lake   | 110                  | 1.48                             | No surfact outlet. Some pumpage from the lake for irrigation   |
| Cherry Lake near Groveland   | Lake   | 520                  | 165                              | Located in the Palatlahaha River headwaters. Lake level controlled. Some water diverted for irrigation.                    |
| Lake Harris at Leesburg      | Lake   | 17,650               | 357                              | Located in the Oklawaha River headwaters. Lake level partially controlled at Burrell structure in Haines Creek.            |
| *Johns Lake at Oakland       | Orange | 2411                 | 40.1                             | Lake level controlled in outlet to Lake Apopka.  |
| Lake Apopka at Winter Garden | Orange | 30,630               | 128                              | Lake level partly controlled by Apopka-Beauclair Canal structure.  |

\* These lakes have only weekly or twice weekly gage readings

TABLE NO.26. --(Continued)

| Name of the Lake               | County  | Surface Area<br>(Acres) | Drainage<br>Area (mi <sup>2</sup> ) | Remarks  |
|--------------------------------|---------|-------------------------|-------------------------------------|--|
| Lake Dora at Mount Dora        | Lake    | 4437                    | 236                                 | Located in the Oklawaha River headwaters. Lake levels partially controlled by the Burrell Structure in Haines Creek        |
| Lake Eustis at Eustis          | Lake    | 7806                    | 646                                 | Located in the Oklawaha River headwaters. Lake level partially controlled by the Burrell Structure in Haines Creek.        |
| Lake Yale at Grand Island      | Lake    | 4030                    | 67.6                                | Connected to Lake Griffin by Yale-Griffin Canal.   |
| Lake Griffin at Leesburg       | Lake    | 10,660                  | 775                                 | Located in the Oklawaha River headwaters. Lake levels partially controlled by the Moss Bluff Structure.                    |
| Lake Weir at Oklawaha          | Marion  | 5760                    | 53.8                                | Lake level partially controlled in outlet canal to the Oklawaha River.   |
| *Newnans Lake near Gainesville | Alachua | 7530                    | 114                                 | Outflow through Prairies Creek to Camps Canal and then through River Styx to Orange Lake. Lake level partially controlled. |
| *Lochloosa Lake at Lochloosa   | Alachua | 8800                    | 88                                  | Outflow is to Orange Lake through Cross Creek.   |

\* These lakes have only weekly or twice weekly gage readings

TABLE No.26. --(Continued)

| Name of the Lake              | County  | Surface Areas<br>(Acres) | Drainage<br>Area (mi <sup>2</sup> ) | Remarks  |
|-------------------------------|---------|--------------------------|-------------------------------------|--|
| Orange Lake at<br>Orange Lake | Alachua | 13,160                   | 1012                                | Drainage area includes Paynes<br>Prairie, a diked sinkhole area<br>of 650 mi <sup>2</sup> approximately, which<br>is non-contributing except for<br>pumpage. Outlet controlled.<br>Outflow is to the Oklawaha River<br>through Orange Creek. |

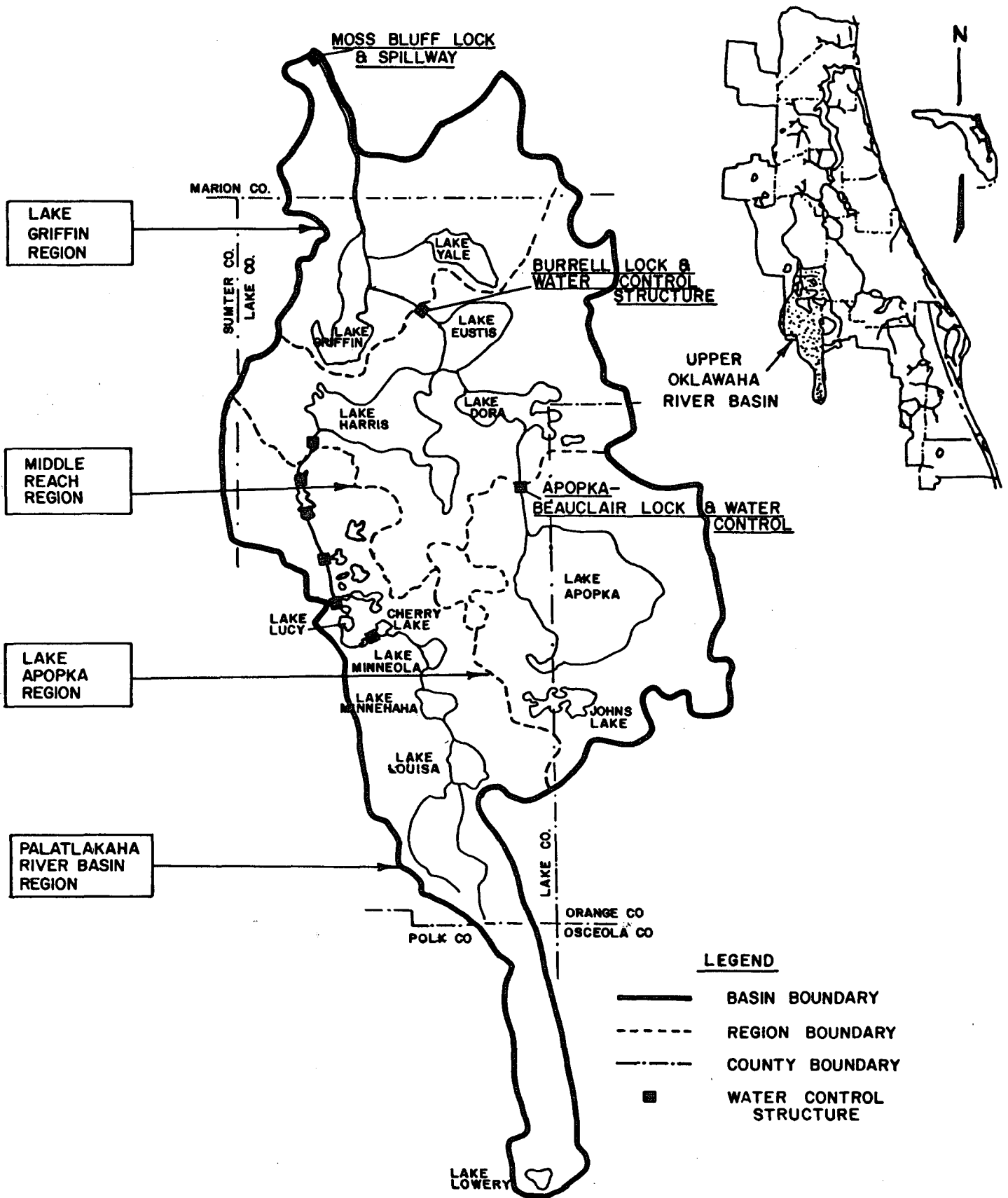


Figure 5. --Upper Oklawaha River Basin

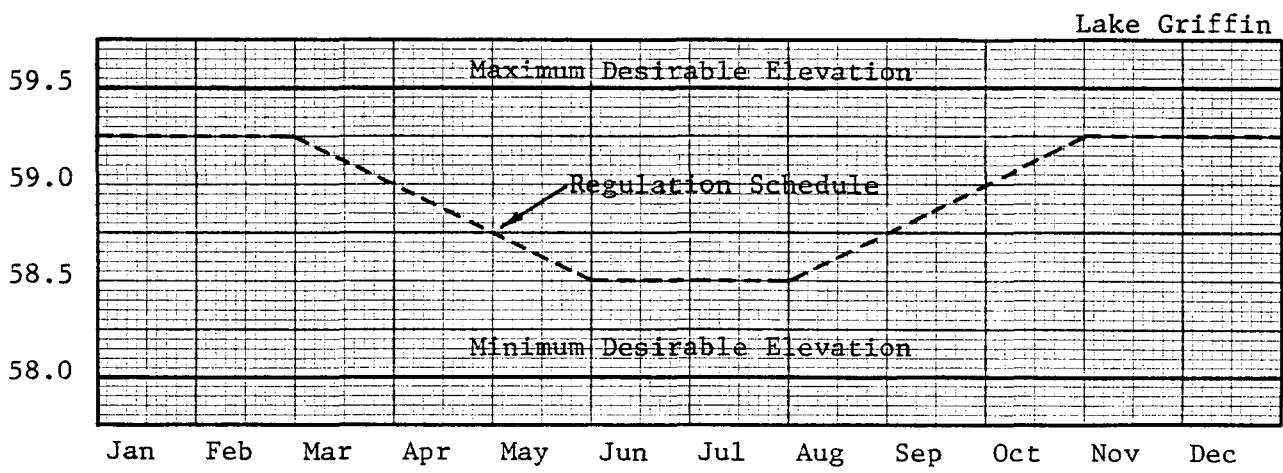
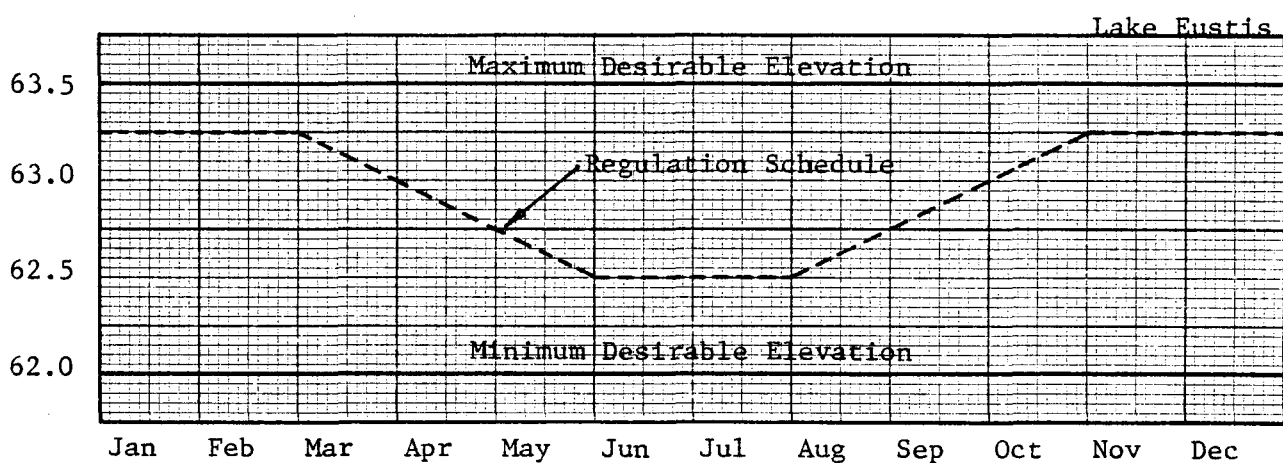
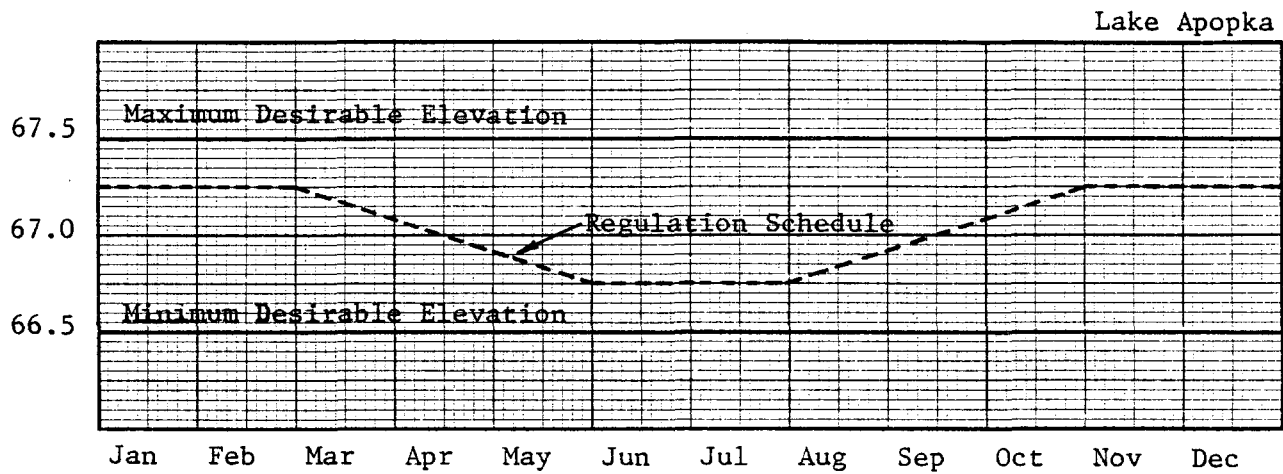


Figure 6. --Regulation Schedules for Lakes Apopka, Eustis, and Griffin



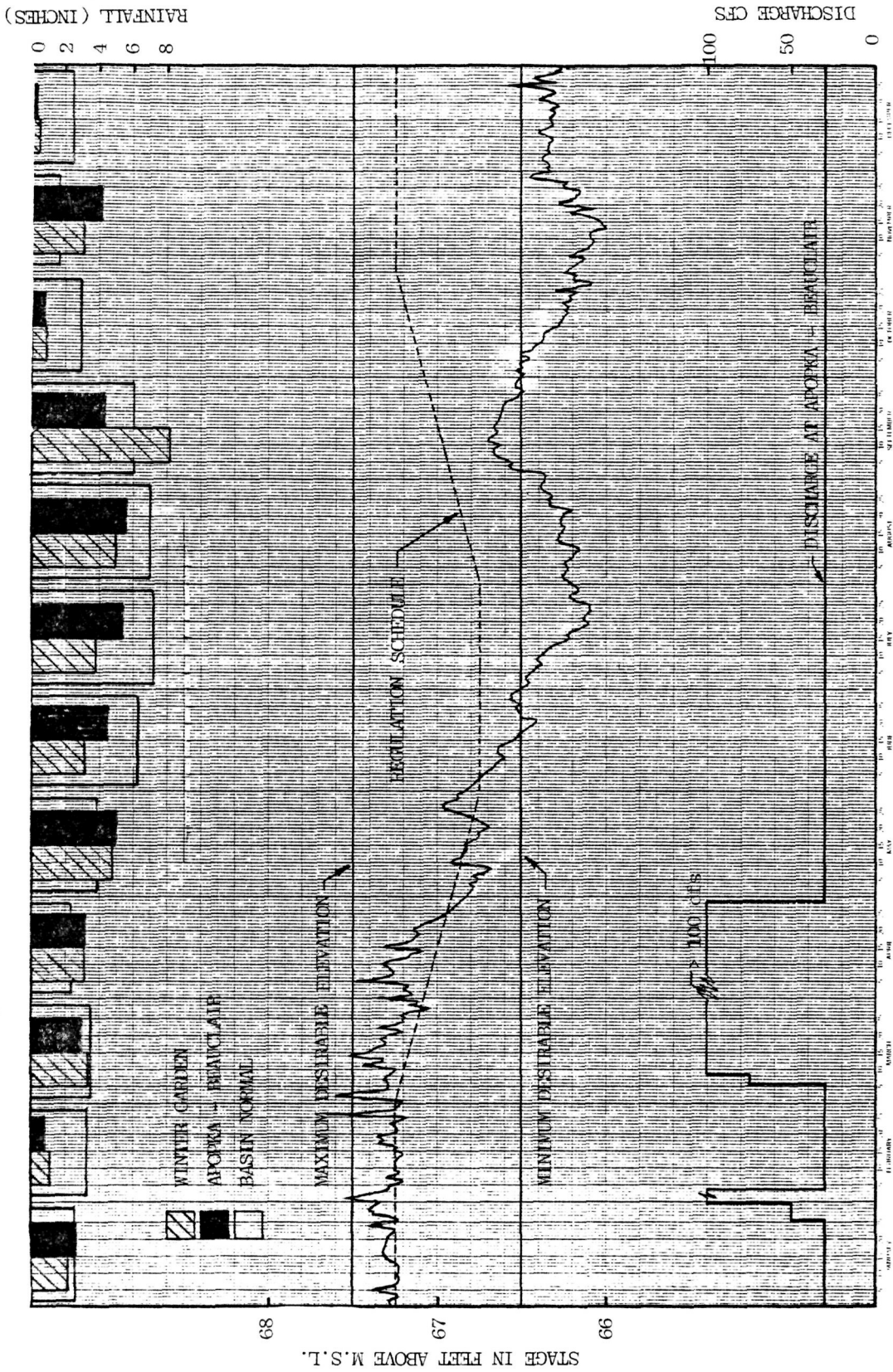


Figure 7. --Lake Apopka: Daily Stages, Discharge and Monthly Rainfall for 1980

TABLE 27A. --Frequencies of High Stages for Lakes in the Oklawaha River Basin

| Name of the Lake              | Record Length (Years) | Record High Elevation ft. MSL | Mean Annual High Elevation ft. MSL | Elevation (ft-MSL) Which May be Equalled or Exceeded (on the Average) Once in |        |        |        |        |        |
|-------------------------------|-----------------------|-------------------------------|------------------------------------|---|--------|--------|--------|--------|--------|
|                               |                       |                               |                                    | 2 Yr  | 5 Yr   | 10 Yr  | 25 Yr  | 50 Yr  | 100 Yr |
| Lake Lowery near Haines City  | 19                    | 133.32                        | 129.34                             | 129.08  | 130.41 | 131.28 | 132.39 | 133.23 | 134.07 |
| Lake Louisa near Clermont     | 20                    | 99.64                         | 96.87                              | 96.70   | 97.89  | 98.64  | 99.55  | 100.20 | 100.84 |
| Lake Minnehaha at Clermont    | 34                    | 99.04                         | 96.97                              | 96.87   | 97.93  | 98.51  | 99.18  | 99.62  | 100.04 |
| Lake Apshawa near Minneola    | 26                    | 92.68                         | 86.64                              | 86.18   | 88.31  | 89.76  | 91.63  | 93.05  | 94.49  |
| Cherry Lake near Groveland    | 22                    | 98.13                         | 96.23                              | 96.15   | 97.05  | 97.57  | 98.16  | 98.57  | 98.95  |
| Lake Harris at Leesburg       | 22                    | 64.81                         | 63.56                              | 63.45   | 63.85  | 64.13  | 64.52  | 64.82  | 65.13  |
| Johns Lake at Oakland         | 20                    | 99.32                         | 94.06                              | 93.64   | 95.86  | 97.34  | 99.21  | 100.62 | 102.04 |
| Lake Apopka at Winter Garden  | 44                    | 69.30                         | 67.55                              | 67.49   | 68.15  | 68.54  | 68.98  | 69.28  | 69.56  |
| Lake Dora at Mount Dora       | 36                    | 65.20                         | 63.78                              | 63.76   | 64.42  | 64.77  | 65.15  | 65.39  | 65.61  |
| Lake Eustis at Eustis         | 36                    | 64.84                         | 63.36                              | 63.49   | 64.05  | 64.30  | 64.60  | 64.80  | 65.00  |
| Lake Yale at Grand Island     | 19                    | 61.29                         | 60.31                              | 60.43   | 60.90  | 61.11  | 61.29  | 61.40  | 61.50  |
| Lake Griffin at Leesburg      | 24                    | 60.74                         | 59.49                              | 59.42   | 59.98  | 60.30  | 60.69  | 60.96  | 61.22  |
| Lake Weir at Oklawaha         | 36                    | 59.60                         | 57.65                              | 57.80   | 58.15  | 58.40  | 58.70  | 59.40  | 59.90  |
| Newnans Lake near Gainesville | 29                    | 71.21                         | 68.71                              | 68.62   | 69.66  | 70.27  | 70.96  | 71.45  | 71.90  |
| Lochloosa Lake at Lochloosa   | 37                    | 61.94                         | 59.12                              | 59.40   | 60.30  | 60.70  | 61.10  | 61.70  | 62.00  |
| Orange Lake at Orange Lake    | 37                    | 61.95                         | 58.91                              | 59.19   | 60.30  | 60.80  | 61.20  | 61.50  | 61.80  |

TABLE 27B. --Frequencies of Low Stages for Lakes in the Oklawaha River Basin

| Name of the Lake              | Record Length (Years) | Record Low Elevation ft. MSL | Mean Annual Low Elevation ft. MSL | Elevation (ft-MSL) Which May be Equaled or not Exceeded (on the Average) Once in |        |        |        |        |        |
|-------------------------------|-----------------------|------------------------------|-----------------------------------|--|--------|--------|--------|--------|--------|
|                               |                       |                              |                                   | 2 Yr   | 5 Yr   | 10 Yr  | 25 Yr  | 50 Yr  | 100 Yr |
| Lake Lowery near Haines City  | 19                    | 125.12                       | 127.50                            | 127.41   | 126.35 | 125.84 | 125.33 | 125.02 | 124.76 |
| Lake Louisa near Clermont     | 22                    | 92.68                        | 94.38                             | 94.32  | 93.52  | 93.13  | 92.75  | 92.53  | 92.33  |
| Lake Minnehaha at Clermont    | 34                    | 92.72                        | 94.63                             | 94.68  | 93.84  | 93.39  | 92.93  | 92.65  | 92.40  |
| Lake Apshawa near Mineola     | 26                    | 82.00                        | 84.77                             | 84.41  | 83.11  | 82.58  | 82.12  | 81.86  | 81.65  |
| Cherry Lake near Groveland    | 22                    | 92.59                        | 94.19                             | 94.19  | 93.47  | 93.10  | 92.72  | 92.49  | 92.28  |
| Lake Harris at Leesburg       | 23                    | 60.92<br>*(58.87)            | 61.94                             | 62.02  | 61.62  | 61.37  | 61.06  | 60.84  | 60.64  |
| Johns Lake at Oakland         | 20                    | 88.34                        | 91.40                             | 91.11  | 89.41  | 88.67  | 87.99  | 87.61  | 87.30  |
| Lake Apopka at Winter Garden  | 44                    | 64.49<br>*(64.04)            | 66.08                             | 65.93  | 65.36  | 65.13  | 64.92  | 64.80  | 64.70  |
| Lake Dora at Mount Dora       | 37                    | 60.93<br>*(60.59)            | 62.01                             | 61.99  | 61.59  | 61.40  | 61.21  | 61.10  | 61.01  |
| Lake Eustis at Eustis         | 37                    | 60.40<br>*(58.82)            | 61.75                             | 61.82  | 61.34  | 61.04  | 65.71  | 65.48  | 65.27  |
| Lake Yale at Grand Island     | 20                    | 57.23                        | 58.95                             | 59.10  | 58.40  | 57.70  | 57.00  | 56.60  | 56.40  |
| Lake Griffin at Leesburg      | 23                    | 56.67<br>@(55.36)            | 57.54                             | 57.55  | 57.12  | 56.89  | 56.66  | 56.52  | 56.40  |
| Lake Weir at Oklawaha         | 37                    | 53.46                        | 56.23                             | 56.40  | 55.40  | 54.60  | 53.80  | 53.20  | 52.80  |
| Newnans Lake near Gainesville | 31                    | 63.87                        | 65.54                             | 65.55  | 64.89  | 64.50  | 64.10  | 63.80  | 63.60  |
| Lochloosa Lake at Lochloosa   | 35                    | 53.88                        | 56.91                             | 57.06  | 55.95  | 55.00  | 54.10  | 53.60  | 53.10  |
| Orange Lake at Orange Lake    | 37                    | 50.38                        | 56.37                             | 56.84  | 55.29  | 54.11  | 52.42  | 51.03  | 49.56  |

\* Caused by voluntary drawdown

@ Caused by dike failure

Table 28. --Observed Monthly Mean Elevations for Lake Lowery

MONTHLY DATA FOR WATER YEARS - LAKE LOWERY NR HAINES CITY, ELEV. - FT. M.S.L (1961-75)

|      | OCT    | NOV    | DEC    | JAN    | FEB    | MAR    | APR    | MAY    | JUN    | JUL    | AUG    | SEP    |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1961 | 132.62 | 132.09 | 131.71 | 131.57 | 131.51 | 131.27 | 130.98 | 130.66 | 130.33 | 130.26 | 130.17 | 130.32 |
| 1962 | 129.91 | 129.61 | 129.40 | 129.43 | 129.25 | 129.00 | 128.83 | 128.42 | 128.21 | 128.24 | 128.40 | 128.60 |
| 1963 | 128.48 | 128.29 | 128.10 | 127.99 | 128.19 | 128.56 | 128.23 | 127.82 | 128.14 | 128.31 | 128.21 | 127.97 |
| 1964 | 127.74 | 127.90 | 128.02 | 128.37 | 129.04 | 129.22 | 129.10 | 129.05 | 128.75 | 128.65 | 128.78 | 129.23 |
| 1965 | 129.19 | 128.85 | 128.65 | 128.50 | 128.45 | 128.45 | 128.20 | 127.67 | 127.42 | 127.51 | 127.63 | 127.46 |
| 1966 | 127.54 | 127.32 | 127.18 | 127.42 | 127.68 | 127.87 | 127.62 | 127.29 | 127.22 | 127.55 | 127.81 | 127.81 |
| 1967 | 128.26 | 128.30 | 128.07 | 127.97 | 128.01 | 127.98 | 127.47 | 126.84 | 127.09 | 127.91 | 128.46 | 128.94 |
| 1968 | 128.73 | 128.32 | 128.14 | 127.96 | 127.74 | 127.67 | 127.23 | 126.85 | 127.75 | 129.00 | 129.34 | 129.67 |
| 1969 | 129.98 | 130.24 | 130.17 | 130.22 | 130.10 | 130.28 | 130.23 | 129.87 | 129.69 | 129.74 | 130.06 | 130.19 |
| 1970 | 130.61 | 130.66 | 130.73 | 130.94 | 130.99 | 131.17 | 131.14 | 130.60 | 130.41 | 130.34 | 130.22 | 130.34 |
| 1971 | 130.38 | 130.09 | 129.84 | 129.66 | 129.63 | 129.46 | 129.15 | 128.80 | 128.51 | 128.46 | 128.76 | 128.91 |
| 1972 | 129.04 | 128.93 | 128.87 | 128.63 | 128.87 | 128.59 | 128.27 | 127.89 | 127.83 | 127.93 | 128.03 | 128.03 |
| 1973 | 127.86 | 127.70 | 127.86 | 127.97 | 128.22 | 128.14 | 128.12 | 127.75 | 127.33 | 127.37 | 127.70 | 128.36 |
| 1974 | 128.46 | 128.21 | 127.96 | 127.87 | 127.59 | 127.29 | 126.91 | 126.57 | 126.69 | 127.57 | 128.00 | 128.52 |
| 1975 | 128.68 | 128.31 | 128.07 | 128.02 | 127.91 | 127.69 | 127.27 | 127.07 | 127.05 | 126.76 | 126.74 | 126.98 |
| MEAN | 129.17 | 128.99 | 128.85 | 128.83 | 128.88 | 128.84 | 128.58 | 128.21 | 128.16 | 128.37 | 128.55 | 128.76 |

Table 29. --Highest and Lowest Elevations Experienced by Lake Lowery for Different Durations

@@@@ LAKE LOWERY NR HAINES CITY, ELEV. - FT. M.S.L (1961-75)

HIGHEST MEAN VALUES FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MAY 31

| YEAR | 1      | 7      | 14     | 30     | 60     | 120    | 183    | 274    | 1 YEAR |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1961 | 133.32 | 133.20 | 133.10 | 132.96 | 132.74 | 132.48 | 132.23 | 131.98 | 130.65 |
| 1962 | 130.51 | 130.46 | 130.43 | 130.36 | 130.30 | 130.27 | 130.10 | 129.85 | 128.51 |
| 1963 | 129.32 | 128.66 | 128.63 | 128.61 | 128.58 | 128.45 | 128.37 | 128.32 | 127.20 |
| 1964 | 129.30 | 129.26 | 129.23 | 129.22 | 129.20 | 129.09 | 128.77 | 128.48 | 127.36 |
| 1965 | 129.42 | 129.41 | 129.39 | 129.33 | 129.22 | 129.02 | 128.91 | 128.78 | 127.91 |
| 1966 | 128.74 | 127.94 | 127.92 | 127.88 | 127.79 | 127.64 | 127.51 | 127.52 | 126.80 |
| 1967 | 128.74 | 128.45 | 128.43 | 128.39 | 128.30 | 128.16 | 128.10 | 127.98 | 127.07 |
| 1968 | 129.02 | 129.02 | 129.01 | 128.95 | 128.88 | 128.63 | 128.43 | 128.21 | 126.87 |
| 1969 | 130.46 | 130.46 | 130.44 | 130.36 | 130.24 | 130.21 | 130.20 | 130.07 | 129.01 |
| 1970 | 131.30 | 131.27 | 131.24 | 131.22 | 131.15 | 131.05 | 130.93 | 130.76 | 129.81 |
| 1971 | 130.60 | 130.57 | 130.53 | 130.44 | 130.38 | 130.32 | 130.30 | 130.10 | 129.14 |
| 1972 | 129.16 | 129.15 | 129.14 | 129.09 | 129.00 | 128.94 | 128.88 | 128.78 | 127.59 |
| 1973 | 128.30 | 128.27 | 128.24 | 128.22 | 128.19 | 128.10 | 128.00 | 127.99 | 127.25 |
| 1974 | 128.56 | 128.55 | 128.52 | 128.50 | 128.45 | 128.25 | 128.10 | 127.87 | 126.94 |
| 1975 | 128.92 | 128.87 | 128.82 | 128.74 | 128.66 | 128.40 | 128.27 | 128.09 | 127.12 |

@@@@ LAKE LOWERY NR HAINES CITY, ELEV. - FT. M.S.L (1961-75)

LOWEST MEAN VALUES FOR THE FOLLOWING NO OF CONSECUTIVE DAYS IN YEAR ENDING SEPT 30

| YEAR | 1      | 7      | 14     | 30     | 60     | 120    | 183    | 274    | 1 YEAR |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1961 | 129.96 | 130.01 | 130.06 | 130.14 | 130.21 | 130.26 | 130.45 | 130.78 | 131.12 |
| 1962 | 128.10 | 128.14 | 128.16 | 128.20 | 128.22 | 128.31 | 128.45 | 128.70 | 128.94 |
| 1963 | 127.66 | 127.71 | 127.74 | 127.82 | 127.95 | 128.10 | 128.11 | 128.16 | 128.19 |
| 1964 | 127.50 | 127.54 | 127.57 | 127.64 | 127.82 | 127.99 | 128.38 | 128.57 | 128.65 |
| 1965 | 127.16 | 127.19 | 127.25 | 127.35 | 127.45 | 127.50 | 127.65 | 127.92 | 128.16 |
| 1966 | 127.01 | 127.05 | 127.10 | 127.16 | 127.24 | 127.36 | 127.50 | 127.45 | 127.52 |
| 1967 | 126.58 | 126.64 | 126.69 | 126.78 | 126.94 | 127.31 | 127.55 | 127.73 | 127.94 |
| 1968 | 126.68 | 126.75 | 126.79 | 126.84 | 126.99 | 127.32 | 127.53 | 127.81 | 128.20 |
| 1969 | 129.60 | 129.62 | 129.63 | 129.68 | 129.70 | 129.83 | 129.96 | 130.03 | 130.06 |
| 1970 | 129.98 | 130.03 | 130.08 | 130.15 | 130.26 | 130.32 | 130.51 | 130.68 | 130.68 |
| 1971 | 128.36 | 128.38 | 128.40 | 128.42 | 128.48 | 128.63 | 128.76 | 129.04 | 129.30 |
| 1972 | 127.66 | 127.67 | 127.68 | 127.76 | 127.85 | 127.90 | 127.99 | 128.22 | 128.40 |
| 1973 | 127.14 | 127.20 | 127.21 | 127.24 | 127.34 | 127.53 | 127.73 | 127.81 | 127.86 |
| 1974 | 126.44 | 126.47 | 126.51 | 126.55 | 126.60 | 126.85 | 127.10 | 127.38 | 127.64 |
| 1975 | 126.62 | 126.64 | 126.67 | 126.69 | 126.74 | 126.87 | 126.98 | 127.27 | 127.54 |

Table 30. --Observed Monthly Mean Elevations for Lake Louisa

MONTHLY DATA FOR WATER YEARS - LAKE LOUISA NR CLERMONT, ELEV.-FT M.S.L (1958-75)

|      | OCT   | NOV   | DEC   | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1958 | 96.81 | 96.29 | 96.12 | 96.41 | 96.75 | 97.75 | 97.64 | 96.94 | 96.10 | 96.24 | 96.51 | 95.93 |
| 1959 | 95.85 | 96.16 | 96.15 | 96.82 | 96.63 | 97.34 | 98.50 | 98.20 | 97.72 | 98.19 | 98.14 | 98.25 |
| 1960 | 98.18 | 97.67 | 97.01 | 96.69 | 96.65 | 98.06 | 99.03 | 97.78 | 96.74 | 96.49 | 97.62 | 98.39 |
| 1961 | 98.94 | 97.80 | 96.80 | 96.29 | 96.22 | 95.78 | 95.36 | 94.80 | 94.51 | 94.52 | 94.44 | 94.56 |
| 1962 | 94.25 | 94.13 | 93.94 | 93.86 | 93.87 | 93.79 | 93.65 | 93.23 | 93.21 | 93.07 | 93.15 | 93.15 |
| 1963 | 93.20 | 93.01 | 92.83 | 92.75 | 93.24 | 94.13 | 93.93 | 93.55 | 93.25 | 93.77 | 93.83 | 93.89 |
| 1964 | 94.14 | 94.12 | 94.21 | 94.85 | 95.70 | 95.77 | 96.04 | 95.81 | 95.27 | 95.32 | 95.63 | 96.83 |
| 1965 | 96.80 | 96.35 | 96.30 | 96.20 | 96.16 | 96.26 | 96.04 | 95.45 | 95.22 | 95.48 | 96.62 | 96.28 |
| 1966 | 96.06 | 96.06 | 95.98 | 96.21 | 96.61 | 96.96 | 96.47 | 96.23 | 96.11 | 96.27 | 96.82 | 96.74 |
| 1967 | 96.68 | 96.25 | 95.85 | 95.58 | 95.59 | 95.63 | 95.09 | 94.44 | 94.24 | 94.44 | 94.86 | 95.32 |
| 1968 | 95.43 | 95.00 | 94.75 | 94.51 | 94.22 | 94.15 | 93.76 | 93.35 | 93.96 | 94.85 | 95.66 | 96.40 |
| 1969 | 96.47 | 96.75 | 96.53 | 96.51 | 96.51 | 96.80 | 97.01 | 96.46 | 96.00 | 95.67 | 96.33 | 97.05 |
| 1970 | 97.60 | 97.64 | 97.57 | 97.91 | 98.01 | 97.65 | 96.91 | 95.71 | 95.45 | 95.61 | 95.51 | 95.63 |
| 1971 | 95.44 | 95.14 | 94.82 | 94.73 | 94.89 | 94.80 | 94.51 | 94.06 | 93.73 | 93.98 | 94.62 | 94.87 |
| 1972 | 94.81 | 94.74 | 94.65 | 94.42 | 94.59 | 94.52 | 94.56 | 94.25 | 94.16 | 94.39 | 94.47 | 94.47 |
| 1973 | 94.14 | 93.89 | 93.98 | 94.23 | 94.78 | 94.86 | 95.16 | 94.86 | 94.88 | 94.98 | 95.30 | 95.69 |
| 1974 | 95.95 | 95.59 | 95.46 | 95.60 | 95.38 | 95.15 | 94.82 | 94.37 | 94.38 | 95.72 | 96.51 | 96.81 |
| 1975 | 96.60 | 96.22 | 95.92 | 95.83 | 95.74 | 95.58 | 95.12 | 94.77 | 94.82 | 94.87 | 95.23 | 95.72 |
| MEAN | 95.96 | 95.71 | 95.49 | 95.52 | 95.64 | 95.83 | 95.76 | 95.24 | 94.99 | 95.21 | 95.63 | 95.89 |

Table 31. --Highest and Lowest Elevations Experienced by Lake Louisa  
for Different Durations

LAKE LOUISA NR CLERMONT, ELEV.-FT M.S.L (1958-75)

HIGHEST MEAN VALUES FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MAY 31

| YEAR | 1     | 7     | 14    | 30    | 60    | 120   | 183   | 274   | 1 YEAR |
|------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 1958 | 97.96 | 97.92 | 97.88 | 97.80 | 97.69 | 97.26 | 96.90 | 96.89 | 96.02  |
| 1959 | 98.78 | 98.77 | 98.70 | 98.56 | 98.38 | 97.65 | 97.24 | 96.82 | 95.90  |
| 1960 | 99.64 | 99.59 | 99.53 | 99.34 | 98.84 | 98.21 | 98.03 | 97.74 | 96.97  |
| 1961 | 99.28 | 99.25 | 99.21 | 99.13 | 98.81 | 98.21 | 97.68 | 97.26 | 96.25  |
| 1962 | 97.01 | 94.70 | 94.65 | 94.58 | 94.52 | 94.51 | 94.40 | 94.23 | 93.55  |
| 1963 | 97.01 | 94.30 | 94.27 | 94.17 | 94.02 | 93.73 | 93.40 | 93.31 | 92.76  |
| 1964 | 96.20 | 96.19 | 96.15 | 96.04 | 95.97 | 95.82 | 95.36 | 94.92 | 93.82  |
| 1965 | 97.70 | 97.66 | 97.57 | 97.31 | 96.93 | 96.61 | 96.46 | 96.28 | 95.52  |
| 1966 | 97.30 | 97.27 | 97.22 | 97.03 | 96.79 | 96.58 | 96.39 | 96.36 | 95.65  |
| 1967 | 97.16 | 97.11 | 97.03 | 96.89 | 96.83 | 96.65 | 96.48 | 96.21 | 95.40  |
| 1968 | 95.56 | 95.55 | 95.54 | 95.46 | 95.37 | 95.18 | 94.98 | 94.75 | 93.73  |
| 1969 | 97.14 | 97.11 | 97.08 | 97.07 | 96.90 | 96.71 | 96.68 | 96.59 | 95.61  |
| 1970 | 98.18 | 98.15 | 98.12 | 98.00 | 97.96 | 97.79 | 97.72 | 97.39 | 96.45  |
| 1971 | 95.78 | 95.74 | 95.73 | 95.68 | 95.59 | 95.56 | 95.47 | 95.25 | 94.53  |
| 1972 | 94.96 | 94.95 | 94.93 | 94.87 | 94.85 | 94.78 | 94.69 | 94.64 | 93.70  |
| 1973 | 95.26 | 95.23 | 95.21 | 95.16 | 95.03 | 94.91 | 94.62 | 94.48 | 93.92  |
| 1974 | 96.09 | 96.07 | 96.06 | 95.99 | 95.85 | 95.68 | 95.61 | 95.45 | 94.74  |
| 1975 | 96.95 | 96.93 | 96.90 | 96.83 | 96.73 | 96.54 | 96.32 | 96.10 | 95.24  |

LAKE LOUISA NR CLERMONT, ELEV.-FT M.S.L (1958-75)

LOWEST MEAN VALUES FOR THE FOLLOWING NO OF CONSECUTIVE DAYS IN YEAR ENDING SEPT 30

| YEAR | 1     | 7     | 14    | 30    | 60    | 120   | 183   | 274   | 1 YEAR |
|------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 1958 | 95.69 | 95.74 | 95.79 | 95.93 | 96.16 | 96.19 | 96.56 | 96.69 | 96.62  |
| 1959 | 95.63 | 95.76 | 95.81 | 95.85 | 96.00 | 96.23 | 96.50 | 97.04 | 97.33  |
| 1960 | 96.35 | 96.39 | 96.40 | 96.43 | 96.60 | 96.87 | 97.38 | 97.33 | 97.52  |
| 1961 | 94.32 | 94.36 | 94.39 | 94.42 | 94.47 | 94.50 | 94.70 | 95.16 | 95.83  |
| 1962 | 92.94 | 92.98 | 93.02 | 93.06 | 93.11 | 93.13 | 93.24 | 93.44 | 93.61  |
| 1963 | 92.68 | 92.69 | 92.69 | 92.73 | 92.78 | 92.91 | 93.20 | 93.32 | 93.45  |
| 1964 | 93.85 | 93.88 | 93.92 | 94.01 | 94.12 | 94.31 | 94.79 | 95.09 | 95.30  |
| 1965 | 95.00 | 95.04 | 95.11 | 95.20 | 95.24 | 95.52 | 95.76 | 95.93 | 96.10  |
| 1966 | 95.86 | 95.87 | 95.90 | 95.95 | 96.01 | 96.07 | 96.31 | 96.30 | 96.37  |
| 1967 | 94.11 | 94.21 | 94.22 | 94.24 | 94.30 | 94.45 | 94.73 | 95.02 | 95.33  |
| 1968 | 93.22 | 93.29 | 93.33 | 93.34 | 93.48 | 93.79 | 93.98 | 94.28 | 94.67  |
| 1969 | 95.48 | 95.53 | 95.60 | 95.65 | 95.78 | 96.10 | 96.36 | 96.42 | 96.50  |
| 1970 | 95.33 | 95.35 | 95.37 | 95.45 | 95.50 | 95.52 | 95.80 | 96.48 | 96.76  |
| 1971 | 93.64 | 93.67 | 93.69 | 93.73 | 93.81 | 94.05 | 94.27 | 94.45 | 94.63  |
| 1972 | 93.77 | 93.84 | 93.88 | 94.01 | 94.18 | 94.30 | 94.38 | 94.43 | 94.50  |
| 1973 | 93.80 | 93.83 | 93.84 | 93.89 | 93.92 | 94.05 | 94.31 | 94.53 | 94.73  |
| 1974 | 94.20 | 94.24 | 94.26 | 94.28 | 94.35 | 94.67 | 94.94 | 95.16 | 95.48  |
| 1975 | 94.62 | 94.65 | 94.71 | 94.75 | 94.78 | 94.88 | 95.05 | 95.29 | 95.53  |

Table 32. --Observed Monthly Mean Elevations for Lake Minnehaha

MONTHLY DATA FOR WATER YEARS - LAKE MINNEHAHA AT CLERMONT, ELEV - FT. M.S.L (1946-79)

|      | OCT   | NOV   | DEC   | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1946 | 98.42 | 97.54 | 96.84 | 96.71 | 96.50 | 96.54 | 96.20 | 96.07 | 96.04 | 96.03 | 96.86 | 96.97 |
| 1947 | 97.03 | 96.58 | 96.15 | 95.78 | 95.61 | 95.93 | 96.28 | 95.94 | 96.02 | 96.66 | 97.22 | 97.67 |
| 1948 | 98.20 | 97.78 | 97.25 | 97.01 | 97.50 | 97.37 | 96.85 | 96.21 | 95.65 | 96.09 | 97.56 | 97.90 |
| 1949 | 98.16 | 97.57 | 96.96 | 96.46 | 96.12 | 95.65 | 95.47 | 95.06 | 95.08 | 95.62 | 96.29 | 97.55 |
| 1950 | 97.91 | 97.32 | 96.72 | 96.52 | 96.15 | 95.82 | 95.76 | 95.47 | 95.19 | 95.56 | 95.31 | 96.63 |
| 1951 | 97.09 | 97.06 | 96.74 | 96.57 | 96.40 | 96.05 | 95.91 | 95.64 | 95.41 | 95.83 | 96.12 | 96.25 |
| 1952 | 96.94 | 97.11 | 97.27 | 96.81 | 96.60 | 96.71 | 96.72 | 96.21 | 95.88 | 95.87 | 95.68 | 95.60 |
| 1953 | 95.87 | 96.08 | 95.96 | 95.89 | 95.91 | 95.86 | 96.30 | 96.41 | 96.12 | 96.09 | 96.81 | 98.08 |
| 1954 | 98.70 | 98.13 | 98.13 | 98.02 | 97.39 | 96.83 | 96.31 | 95.76 | 95.54 | 95.54 | 95.87 | 95.68 |
| 1955 | 95.61 | 95.38 | 95.29 | 95.19 | 95.13 | 94.89 | 94.70 | 94.36 | 94.19 | 94.47 | 95.20 | 95.96 |
| 1956 | 96.14 | 96.06 | 95.63 | 95.06 | 94.89 | 94.49 | 94.04 | 94.16 | 93.88 | 94.20 | 94.27 | 94.21 |
| 1957 | 94.74 | 95.75 | 95.72 | 95.58 | 95.47 | 95.49 | 95.80 | 95.87 | 96.25 | 96.55 | 96.84 | 96.98 |
| 1958 | 96.73 | 96.30 | 96.11 | 96.38 | 96.67 | 97.49 | 97.50 | 96.89 | 96.10 | 96.22 | 96.50 | 95.90 |
| 1959 | 95.85 | 96.13 | 96.12 | 96.71 | 96.56 | 97.12 | 98.26 | 98.09 | 97.57 | 97.81 | 97.90 | 98.00 |
| 1960 | 97.96 | 97.51 | 96.95 | 96.65 | 96.63 | 97.54 | 98.73 | 97.68 | 96.68 | 96.40 | 97.30 | 97.89 |
| 1961 | 98.56 | 97.66 | 96.74 | 96.24 | 96.15 | 95.76 | 95.37 | 94.84 | 94.53 | 94.57 | 94.45 | 94.58 |
| 1962 | 94.26 | 94.16 | 93.97 | 93.89 | 93.92 | 93.81 | 93.69 | 93.34 | 93.26 | 93.14 | 93.17 | 93.19 |
| 1963 | 93.17 | 93.03 | 92.88 | 92.80 | 93.19 | 94.01 | 93.97 | 93.57 | 93.27 | 93.75 | 93.82 | 93.89 |
| 1964 | 94.13 | 94.10 | 94.21 | 94.74 | 95.54 | 95.70 | 95.96 | 95.78 | 95.24 | 95.28 | 95.59 | 96.43 |
| 1965 | 96.70 | 96.35 | 96.29 | 96.20 | 96.13 | 96.24 | 96.01 | 95.46 | 95.20 | 95.42 | 96.29 | 96.16 |
| 1966 | 96.02 | 96.03 | 95.95 | 96.17 | 96.56 | 96.73 | 96.47 | 96.21 | 96.08 | 96.22 | 96.53 | 96.51 |
| 1967 | 96.53 | 96.24 | 95.84 | 95.57 | 95.57 | 95.63 | 95.10 | 94.48 | 94.27 | 94.48 | 94.81 | 95.26 |
| 1968 | 95.39 | 95.02 | 94.78 | 94.54 | 94.25 | 94.17 | 93.78 | 93.38 | 93.92 | 94.80 | 95.45 | 96.24 |
| 1969 | 96.37 | 96.64 | 96.48 | 96.48 | 96.45 | 96.70 | 96.85 | 96.42 | 95.97 | 95.60 | 96.14 | 96.99 |
| 1970 | 97.39 | 97.42 | 97.34 | 97.68 | 97.75 | 97.45 | 96.75 | 95.68 | 95.44 | 95.53 | 95.44 | 95.57 |
| 1971 | 95.40 | 95.12 | 94.80 | 94.72 | 94.88 | 94.79 | 94.48 | 94.04 | 93.73 | 93.94 | 94.58 | 94.85 |
| 1972 | 94.79 | 94.73 | 94.63 | 94.40 | 94.54 | 94.51 | 94.57 | 94.24 | 94.14 | 94.38 | 94.45 | 94.46 |
| 1973 | 94.11 | 93.88 | 93.98 | 94.21 | 94.71 | 94.83 | 95.10 | 94.84 | 94.87 | 94.96 | 95.27 | 95.66 |
| 1974 | 95.88 | 95.59 | 95.46 | 95.59 | 95.36 | 95.14 | 94.82 | 94.37 | 94.38 | 95.57 | 96.42 | 96.81 |
| 1975 | 96.61 | 96.23 | 95.94 | 95.85 | 95.76 | 95.58 | 95.13 | 94.78 | 94.82 | 94.88 | 95.22 | 95.69 |
| 1976 | 96.21 | 96.13 | 95.86 | 95.67 | 95.41 | 95.18 | 94.85 | 94.55 | 94.93 | 95.18 | 95.46 | 95.54 |
| 1977 | 95.54 | 95.42 | 95.43 | 95.48 | 95.49 | 95.45 | 94.97 | 94.35 | 93.99 | 93.96 | 94.07 | 94.20 |
| 1978 | 93.88 | 93.63 | 93.70 | 93.71 | 93.91 | 94.52 | 94.37 | 94.27 | 94.66 | 95.22 | 96.09 | 96.04 |
| 1979 | 95.66 | 95.27 | 95.00 | 95.31 | 95.41 | 95.68 | 95.47 | 95.76 | 95.61 | 95.42 | 95.79 | 96.72 |
| MEAN | 96.23 | 96.03 | 95.80 | 95.72 | 95.72 | 95.75 | 95.66 | 95.30 | 95.12 | 95.33 | 95.73 | 96.06 |



Table 33A. --Highest Elevations Experienced by Lake Minnehaha for Different Durations

LAKE MINNEHaha AT CLERMONT, ELEV - FT. M.S.L (1946-79)

HIGHEST MEAN VALUES FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MAY 31

| YEAR | 1     | 7     | 14    | 30    | 60    | 120   | 183   | 274   | 1 YEAR |
|------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 1946 | 98.82 | 98.82 | 98.81 | 98.72 | 98.45 | 98.04 | 97.62 | 97.23 | 96.01  |
| 1947 | 97.22 | 97.18 | 97.15 | 97.10 | 97.03 | 96.87 | 96.60 | 96.36 | 95.48  |
| 1948 | 98.28 | 98.27 | 98.25 | 98.20 | 98.07 | 97.77 | 97.57 | 97.42 | 96.35  |
| 1949 | 98.30 | 98.29 | 98.27 | 98.17 | 98.04 | 97.82 | 97.45 | 96.95 | 96.03  |
| 1950 | 98.04 | 98.03 | 98.00 | 97.94 | 97.78 | 97.39 | 97.07 | 96.67 | 95.83  |
| 1951 | 97.31 | 97.31 | 97.30 | 97.23 | 97.11 | 96.95 | 96.77 | 96.44 | 95.65  |
| 1952 | 97.66 | 97.59 | 97.53 | 97.38 | 97.21 | 97.04 | 96.91 | 96.73 | 95.70  |
| 1953 | 96.67 | 96.67 | 96.64 | 96.56 | 96.37 | 96.12 | 96.06 | 95.98 | 95.42  |
| 1954 | 98.84 | 98.83 | 98.81 | 98.74 | 98.54 | 98.32 | 98.08 | 97.60 | 96.66  |
| 1955 | 96.00 | 95.94 | 95.92 | 95.87 | 95.78 | 95.68 | 95.60 | 95.47 | 94.75  |
| 1956 | 96.20 | 96.19 | 96.18 | 96.15 | 96.11 | 95.96 | 95.67 | 95.32 | 94.25  |
| 1957 | 96.00 | 95.90 | 95.90 | 95.87 | 95.84 | 95.66 | 95.66 | 95.39 | 94.55  |
| 1958 | 97.62 | 97.59 | 97.58 | 97.57 | 97.49 | 97.12 | 96.81 | 96.79 | 96.18  |
| 1959 | 98.53 | 98.52 | 98.48 | 98.34 | 98.18 | 97.50 | 97.11 | 96.73 | 96.08  |
| 1960 | 99.04 | 98.99 | 98.94 | 98.79 | 98.46 | 97.94 | 97.79 | 97.55 | 96.77  |
| 1961 | 98.76 | 98.74 | 98.70 | 98.62 | 98.37 | 97.87 | 97.43 | 97.07 | 96.11  |
| 1962 | 96.99 | 94.67 | 94.66 | 94.59 | 94.55 | 94.53 | 94.42 | 94.26 | 93.59  |
| 1963 | 96.99 | 94.17 | 94.15 | 94.10 | 93.98 | 93.70 | 93.40 | 93.31 | 92.77  |
| 1964 | 96.07 | 96.06 | 96.04 | 95.97 | 95.91 | 95.74 | 95.29 | 94.87 | 93.79  |
| 1965 | 97.07 | 97.06 | 97.03 | 96.91 | 96.70 | 96.49 | 96.38 | 96.21 | 95.46  |
| 1966 | 96.98 | 96.96 | 96.92 | 96.81 | 96.67 | 96.50 | 96.33 | 96.27 | 95.57  |
| 1967 | 96.73 | 96.71 | 96.70 | 96.64 | 96.56 | 96.47 | 96.35 | 96.12 | 95.34  |
| 1968 | 95.48 | 95.47 | 95.45 | 95.40 | 95.33 | 95.15 | 94.97 | 94.76 | 93.74  |
| 1969 | 96.97 | 96.95 | 96.93 | 96.89 | 96.77 | 96.62 | 96.60 | 96.50 | 95.52  |
| 1970 | 97.88 | 97.83 | 97.81 | 97.74 | 97.72 | 97.55 | 97.50 | 97.19 | 96.30  |
| 1971 | 95.74 | 95.70 | 95.69 | 95.62 | 95.53 | 95.50 | 95.42 | 95.21 | 94.49  |
| 1972 | 94.93 | 94.92 | 94.91 | 94.85 | 94.83 | 94.76 | 94.66 | 94.62 | 93.68  |
| 1973 | 95.20 | 95.17 | 95.15 | 95.10 | 94.98 | 94.86 | 94.59 | 94.45 | 93.90  |
| 1974 | 95.98 | 95.97 | 95.97 | 95.92 | 95.80 | 95.65 | 95.59 | 95.43 | 94.72  |
| 1975 | 96.95 | 96.93 | 96.90 | 96.84 | 96.73 | 96.53 | 96.31 | 96.09 | 95.23  |
| 1976 | 96.30 | 96.29 | 96.27 | 96.22 | 96.18 | 96.01 | 95.83 | 95.59 | 94.59  |
| 1977 | 95.69 | 95.67 | 95.65 | 95.60 | 95.57 | 95.51 | 95.49 | 95.44 | 94.74  |
| 1978 | 94.70 | 94.61 | 94.60 | 94.55 | 94.43 | 94.26 | 94.07 | 94.02 | 93.50  |
| 1979 | 96.24 | 96.23 | 96.21 | 96.17 | 96.07 | 95.81 | 95.57 | 95.55 | 94.94  |

Table 33B. --Lowest Elevations Experienced by Lake Minnehaha for Different Durations

@@@@ LAKE MINNEHAHA AT CLERMONT, ELEV -- FT. M.S.L (1946-79)

LOWEST MEAN VALUES FOR THE FOLLOWING NO OF CONSECUTIVE DAYS IN YEAR ENDING SEPT 30

| YEAR | 1     | 7     | 14    | 30    | 60    | 120   | 183   | 274   | 1 YEAR |
|------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 1946 | 95.87 | 95.89 | 95.91 | 95.96 | 96.03 | 96.08 | 96.23 | 96.42 | 96.73  |
| 1947 | 95.44 | 95.47 | 95.52 | 95.60 | 95.67 | 95.85 | 95.91 | 96.11 | 96.41  |
| 1948 | 95.50 | 95.53 | 95.57 | 95.63 | 95.76 | 96.18 | 96.58 | 96.81 | 97.11  |
| 1949 | 94.77 | 94.82 | 94.88 | 94.91 | 95.06 | 95.28 | 95.49 | 95.86 | 96.33  |
| 1950 | 95.05 | 95.09 | 95.11 | 95.19 | 95.32 | 95.37 | 95.50 | 95.80 | 96.20  |
| 1951 | 95.31 | 95.33 | 95.36 | 95.40 | 95.51 | 95.69 | 95.82 | 96.02 | 96.25  |
| 1952 | 95.52 | 95.54 | 95.57 | 95.59 | 95.64 | 95.75 | 95.99 | 96.23 | 96.45  |
| 1953 | 95.55 | 95.60 | 95.67 | 95.84 | 95.87 | 95.90 | 95.93 | 96.05 | 96.28  |
| 1954 | 95.43 | 95.45 | 95.46 | 95.49 | 95.52 | 95.65 | 95.78 | 96.33 | 96.82  |
| 1955 | 94.04 | 94.08 | 94.13 | 94.19 | 94.25 | 94.42 | 94.62 | 94.82 | 95.03  |
| 1956 | 93.69 | 93.74 | 93.78 | 93.88 | 94.02 | 94.07 | 94.13 | 94.35 | 94.75  |
| 1957 | 94.14 | 94.20 | 94.23 | 94.72 | 95.23 | 95.44 | 95.46 | 95.63 | 95.92  |
| 1958 | 95.69 | 95.75 | 95.78 | 95.90 | 96.15 | 96.18 | 96.52 | 96.62 | 96.57  |
| 1959 | 95.66 | 95.77 | 95.81 | 95.84 | 95.98 | 96.19 | 96.42 | 96.93 | 97.18  |
| 1960 | 96.16 | 96.30 | 96.32 | 96.36 | 96.53 | 96.80 | 97.21 | 97.17 | 97.33  |
| 1961 | 94.35 | 94.38 | 94.41 | 94.44 | 94.50 | 94.53 | 94.72 | 95.16 | 95.78  |
| 1962 | 93.00 | 93.03 | 93.08 | 93.11 | 93.15 | 93.17 | 93.29 | 93.49 | 93.65  |
| 1963 | 92.72 | 92.74 | 92.74 | 92.77 | 92.83 | 92.94 | 93.18 | 93.32 | 93.44  |
| 1964 | 93.88 | 93.90 | 93.93 | 94.02 | 94.11 | 94.28 | 94.73 | 95.04 | 95.22  |
| 1965 | 95.02 | 95.06 | 95.11 | 95.19 | 95.23 | 95.49 | 95.73 | 95.90 | 96.04  |
| 1966 | 95.83 | 95.85 | 95.88 | 95.93 | 95.99 | 96.03 | 96.24 | 96.24 | 96.29  |
| 1967 | 94.20 | 94.23 | 94.24 | 94.27 | 94.34 | 94.48 | 94.73 | 95.02 | 95.31  |
| 1968 | 93.26 | 93.30 | 93.35 | 93.37 | 93.50 | 93.80 | 93.99 | 94.29 | 94.64  |
| 1969 | 95.44 | 95.48 | 95.53 | 95.58 | 95.71 | 96.02 | 96.27 | 96.34 | 96.42  |
| 1970 | 95.31 | 95.32 | 95.35 | 95.43 | 95.46 | 95.47 | 95.73 | 96.36 | 96.61  |
| 1971 | 93.61 | 93.65 | 93.68 | 93.72 | 93.80 | 94.03 | 94.25 | 94.43 | 94.61  |
| 1972 | 93.82 | 93.86 | 93.90 | 94.02 | 94.17 | 94.29 | 94.37 | 94.41 | 94.48  |
| 1973 | 93.76 | 93.80 | 93.83 | 93.88 | 93.92 | 94.04 | 94.29 | 94.50 | 94.70  |
| 1974 | 94.21 | 94.23 | 94.27 | 94.29 | 94.35 | 94.67 | 94.93 | 95.14 | 95.45  |
| 1975 | 94.63 | 94.67 | 94.73 | 94.77 | 94.78 | 94.88 | 95.05 | 95.30 | 95.54  |
| 1976 | 94.40 | 94.45 | 94.49 | 94.54 | 94.69 | 94.85 | 95.00 | 95.19 | 95.41  |
| 1977 | 93.88 | 93.89 | 93.92 | 93.93 | 93.96 | 94.05 | 94.25 | 94.66 | 94.86  |
| 1978 | 93.50 | 93.52 | 93.54 | 93.62 | 93.66 | 93.70 | 93.90 | 94.07 | 94.50  |
| 1979 | 94.87 | 94.89 | 94.92 | 95.00 | 95.09 | 95.24 | 95.36 | 95.44 | 95.59  |

Lake 34. --Observed Monthly Mean Elevations for Lake Apshawa

MONTHLY DATA FOR WATER YEARS - LAKE APSHAWA NEAR MINNEOLA, ELEV. FT-MSL

|      | OCT   | NOV   | DEC   | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1954 | 88.47 | 88.47 | 88.96 | 89.19 | 89.06 | 88.94 | 88.75 | 88.31 | 88.18 | 88.12 | 88.30 | 88.15 |
| 1955 | 88.10 | 87.84 | 87.80 | 87.57 | 87.49 | 87.11 | 86.88 | 86.47 | 86.23 | 86.28 | 86.08 | 86.51 |
| 1956 | 86.23 | 86.16 | 85.94 | 85.71 | 85.71 | 85.34 | 84.61 | 84.52 | 83.96 | 84.49 | 83.95 | 84.24 |
| 1957 | 84.73 | 84.91 | 84.68 | 84.39 | 84.39 | 84.55 | 84.72 | 84.35 | 84.51 | 84.66 | 85.50 | 85.88 |
| 1958 | 85.92 | 85.64 | 85.70 | 85.95 | 86.02 | 86.74 | 87.21 | 87.24 | 87.18 | 87.45 | 87.77 | 87.68 |
| 1959 | 87.52 | 87.59 | 87.41 | 87.75 | 87.70 | 88.22 | 88.86 | 88.95 | 89.15 | 89.44 | 89.59 | 89.97 |
| 1960 | 90.30 | 90.23 | 90.04 | 89.93 | 90.07 | 90.93 | 91.56 | 91.50 | 91.53 | 91.63 | 92.08 | 92.37 |
| 1961 | 92.62 | 92.33 | 92.04 | 91.87 | 91.83 | 91.46 | 91.04 | 90.27 | 89.59 | 89.23 | 88.86 | 88.72 |
| 1962 | 88.18 | 87.86 | 87.54 | 87.23 | 87.10 | 86.69 | 86.30 | 85.79 | 85.84 | 85.67 | 85.73 | 85.38 |
| 1963 | 85.13 | 84.66 | 84.33 | 84.13 | 84.36 | 84.58 | 84.28 | 83.84 | 83.61 | 84.05 | 84.11 | 84.17 |
| 1964 | 94.36 | 84.27 | 84.25 | 84.55 | 85.03 | 85.09 | 85.07 | 84.96 | 84.59 | 84.73 | 84.92 | 85.28 |
| 1965 | 85.31 | 85.10 | 85.15 | 85.10 | 85.06 | 85.21 | 85.04 | 84.55 | 84.38 | 84.57 | 85.33 | 85.40 |
| 1966 | 85.51 | 85.29 | 85.18 | 85.29 | 85.31 | 85.42 | 85.27 | 85.09 | 85.13 | 85.28 | 85.33 | 85.33 |
| 1967 | 85.58 | 85.25 | 85.01 | 84.90 | 84.88 | 84.76 | 84.19 | 83.69 | 83.38 | 83.52 | 83.69 | 83.76 |
| 1968 | 83.67 | 83.33 | 83.13 | 82.93 | 83.03 | 83.01 | 82.67 | 82.31 | 83.08 | 83.74 | 84.20 | 84.83 |
| 1969 | 85.06 | 85.19 | 85.20 | 85.28 | 85.31 | 85.54 | 85.69 | 85.47 | 85.28 | 84.87 | 85.73 | 86.44 |
| 1970 | 86.80 | 87.12 | 87.34 | 87.70 | 87.84 | 88.19 | 88.26 | 87.80 | 87.84 | 88.13 | 88.06 | 88.11 |
| 1971 | 87.90 | 87.64 | 87.27 | 87.14 | 87.28 | 87.27 | 86.98 | 86.38 | 85.91 | 85.88 | 86.21 | 86.23 |
| 1972 | 86.23 | 86.05 | 85.87 | 85.61 | 85.59 | 85.49 | 85.58 | 85.18 | 85.09 | 85.30 | 85.41 | 85.54 |
| 1973 | 85.11 | 84.94 | 85.06 | 85.11 | 85.22 | 85.01 | 84.91 | 84.51 | 84.81 | 84.85 | 85.13 | 85.53 |
| 1974 | 85.80 | 85.48 | 85.42 | 85.37 | 85.17 | 84.89 | 84.44 | 83.96 | 84.10 | 84.94 | 84.82 | 84.82 |
| 1975 | 84.95 | 84.58 | 84.20 | 84.18 | 84.20 | 84.06 | 83.82 | 83.40 | 83.18 | 83.44 | 83.88 | 84.34 |
| 1976 | 84.94 | 85.04 | 84.94 | 84.88 | 84.73 | 84.52 | 84.30 | 84.03 | 84.20 | 84.12 | 84.25 | 84.32 |
| 1977 | 84.11 | 83.93 | 83.92 | 84.01 | 84.05 | 83.94 | 83.59 | 83.02 | 82.57 | 82.59 | 82.68 | 82.69 |
| 1978 | 82.42 | 82.20 | 82.20 | 82.26 | 82.47 | 82.72 | 82.54 | 82.42 | 82.51 | 82.79 | 83.33 | 83.16 |
| 1979 | 82.92 | 82.67 | 82.43 | 82.71 | 82.80 | 82.83 | 82.61 | 82.85 | 82.87 | 82.67 | 83.49 | 84.23 |
| MEAN | 86.07 | 85.92 | 85.81 | 85.80 | 85.84 | 85.87 | 85.74 | 85.42 | 85.34 | 85.48 | 85.71 | 85.89 |

Table 35. --Observed Monthly Mean Elevations for Cherry Lake

MONTHLY DATA FOR WATER YEARS - CHERRY LAKE NR GROVELAND, ELEV - FT. M.S.L (1957-78)

|      | OCT   | NOV   | DEC   | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1957 | 94.52 | 95.54 | 95.59 | 95.46 | 95.33 | 95.34 | 95.66 | 95.73 | 96.09 | 96.32 | 96.28 | 96.17 |
| 1958 | 96.26 | 96.14 | 95.96 | 96.21 | 96.46 | 96.80 | 96.86 | 96.10 | 95.74 | 96.03 | 95.92 | 95.42 |
| 1959 | 95.70 | 95.98 | 95.97 | 96.34 | 96.05 | 96.79 | 97.85 | 97.52 | 96.88 | 96.82 | 97.02 | 97.15 |
| 1960 | 97.03 | 96.60 | 96.59 | 96.30 | 96.29 | 96.70 | 97.70 | 96.74 | 95.84 | 95.68 | 96.23 | 96.75 |
| 1961 | 97.41 | 96.67 | 96.14 | 95.78 | 95.51 | 95.48 | 95.20 | 94.72 | 94.41 | 94.45 | 94.34 | 94.46 |
| 1962 | 94.13 | 94.04 | 93.86 | 93.77 | 93.80 | 93.69 | 93.57 | 93.12 | 93.17 | 93.03 | 93.05 | 93.05 |
| 1963 | 93.02 | 92.89 | 92.74 | 92.66 | 93.05 | 93.87 | 93.81 | 93.45 | 93.15 | 93.64 | 93.70 | 93.75 |
| 1964 | 94.00 | 93.97 | 94.07 | 94.58 | 95.07 | 95.52 | 95.82 | 95.65 | 95.10 | 95.13 | 95.42 | 95.76 |
| 1965 | 96.07 | 96.20 | 96.15 | 96.06 | 96.00 | 96.12 | 95.89 | 95.35 | 95.09 | 95.26 | 95.32 | 95.09 |
| 1966 | 95.88 | 95.91 | 95.82 | 96.03 | 96.41 | 95.74 | 96.35 | 96.11 | 95.95 | 96.09 | 95.47 | 95.51 |
| 1967 | 95.90 | 96.09 | 95.70 | 95.42 | 95.42 | 95.50 | 95.01 | 94.39 | 94.18 | 94.37 | 94.69 | 95.13 |
| 1968 | 95.26 | 94.90 | 94.67 | 94.40 | 94.12 | 94.07 | 93.67 | 93.29 | 93.82 | 94.69 | 95.33 | 96.05 |
| 1969 | 96.17 | 96.45 | 96.32 | 96.37 | 96.35 | 96.53 | 96.66 | 96.29 | 95.84 | 95.43 | 95.98 | 96.80 |
| 1970 | 96.75 | 96.71 | 96.62 | 97.01 | 96.94 | 96.56 | 95.82 | 95.36 | 95.33 | 95.46 | 95.40 | 95.46 |
| 1971 | 95.24 | 95.03 | 94.73 | 94.64 | 94.81 | 94.71 | 94.40 | 93.96 | 93.67 | 93.84 | 94.47 | 94.76 |
| 1972 | 94.71 | 94.64 | 94.55 | 94.33 | 94.47 | 94.44 | 94.50 | 94.17 | 94.06 | 94.29 | 94.37 | 94.38 |
| 1973 | 94.04 | 93.81 | 93.92 | 94.13 | 94.61 | 94.75 | 95.02 | 94.78 | 94.81 | 94.90 | 95.19 | 95.55 |
| 1974 | 95.79 | 95.51 | 95.37 | 95.50 | 95.28 | 95.06 | 94.74 | 94.29 | 94.29 | 95.37 | 96.28 | 96.58 |
| 1975 | 96.46 | 96.13 | 95.84 | 95.76 | 95.67 | 95.48 | 95.03 | 94.70 | 94.75 | 94.79 | 95.03 | 95.55 |
| 1976 | 96.11 | 96.07 | 95.77 | 95.59 | 95.33 | 95.11 | 94.78 | 94.52 | 94.85 | 95.08 | 95.38 | 95.46 |
| 1977 | 95.47 | 95.34 | 95.35 | 95.40 | 95.40 | 95.38 | 94.89 | 94.26 | 93.94 | 93.91 | 94.01 | 94.13 |
| 1978 | 93.81 | 93.56 | 93.68 | 93.63 | 93.82 | 94.42 | 94.30 | 94.20 | 94.53 | 95.13 | 95.99 | 95.96 |
| MEAN | 95.44 | 95.37 | 95.25 | 95.24 | 95.28 | 95.37 | 95.34 | 94.94 | 94.79 | 94.99 | 95.22 | 95.41 |

Table 36. --Highest and Lowest Elevations Experienced by Cherry Lake  
for Different Durations

CHERRY LAKE NR GROVELAND, ELEV - FT. M.S.L (1957-78)

HIGHEST MEAN VALUES FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MAY 31

| YEAR | 1     | 7     | 14    | 30    | 60    | 120   | 183   | 274   | 1 YEAR |
|------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 1957 | 97.04 | 96.99 | 96.95 | 96.93 | 96.82 | 96.59 | 96.40 | 96.34 | 95.50  |
| 1958 | 98.13 | 98.10 | 98.04 | 97.91 | 97.70 | 97.04 | 96.73 | 96.38 | 95.48  |
| 1959 | 97.91 | 97.88 | 97.82 | 97.70 | 97.40 | 97.03 | 96.92 | 96.82 | 96.02  |
| 1960 | 97.59 | 97.57 | 97.53 | 97.44 | 97.24 | 96.78 | 96.51 | 96.23 | 95.17  |
| 1961 | 94.57 | 94.56 | 94.54 | 94.47 | 94.43 | 94.41 | 94.30 | 94.14 | 93.46  |
| 1962 | 94.50 | 94.02 | 94.01 | 93.96 | 93.83 | 93.54 | 93.25 | 93.17 | 92.63  |
| 1963 | 95.94 | 95.92 | 95.89 | 95.83 | 95.76 | 95.50 | 95.08 | 94.69 | 93.88  |
| 1964 | 96.36 | 96.35 | 96.34 | 96.29 | 96.22 | 96.15 | 96.12 | 95.96 | 94.98  |
| 1965 | 96.68 | 96.56 | 96.50 | 96.40 | 96.24 | 96.15 | 96.06 | 95.91 | 95.21  |
| 1966 | 96.32 | 96.31 | 96.30 | 96.24 | 96.08 | 95.83 | 95.83 | 95.73 | 95.01  |
| 1967 | 95.33 | 95.32 | 95.31 | 95.27 | 95.20 | 95.03 | 94.85 | 94.64 | 93.89  |
| 1968 | 96.72 | 96.71 | 96.71 | 96.68 | 96.61 | 96.48 | 96.45 | 96.35 | 95.13  |
| 1969 | 97.16 | 97.14 | 97.13 | 97.02 | 96.97 | 96.82 | 96.80 | 96.56 | 95.78  |
| 1970 | 96.05 | 95.61 | 95.58 | 95.46 | 95.43 | 95.41 | 95.32 | 95.12 | 94.41  |
| 1971 | 96.05 | 94.84 | 94.83 | 94.76 | 94.75 | 94.67 | 94.58 | 94.54 | 93.86  |
| 1972 | 95.10 | 95.07 | 95.06 | 95.02 | 94.90 | 94.78 | 94.51 | 94.37 | 93.57  |
| 1973 | 96.01 | 95.89 | 95.88 | 95.83 | 95.71 | 95.56 | 95.50 | 95.35 | 94.64  |
| 1974 | 96.83 | 96.72 | 96.66 | 96.59 | 96.54 | 96.37 | 96.17 | 95.95 | 95.11  |
| 1975 | 96.36 | 96.24 | 96.17 | 96.12 | 96.09 | 95.92 | 95.74 | 95.49 | 94.76  |
| 1976 | 95.63 | 95.60 | 95.59 | 95.54 | 95.49 | 95.42 | 95.41 | 95.36 | 94.41  |
| 1977 | 94.54 | 94.53 | 94.51 | 94.47 | 94.35 | 94.18 | 94.00 | 93.95 | 93.43  |
| 1978 | 96.15 | 96.11 | 96.10 | 96.08 | 95.98 | 95.52 | 95.52 | 95.49 | 94.87  |

CHERRY LAKE NR GROVELAND, ELEV - FT. M.S.L (1957-78)

LOWEST MEAN VALUES FOR THE FOLLOWING NO OF CONSECUTIVE DAYS IN YEAR ENDING SEPT 30

| YEAR | 1     | 7     | 14    | 30    | 60    | 120   | 183   | 274   | 1 YEAR |
|------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 1957 | 94.02 | 94.07 | 94.10 | 94.50 | 95.01 | 95.27 | 95.30 | 95.47 | 95.67  |
| 1958 | 95.06 | 95.11 | 95.17 | 95.36 | 95.66 | 95.78 | 96.01 | 96.17 | 96.16  |
| 1959 | 95.52 | 95.62 | 95.65 | 95.69 | 95.83 | 95.99 | 96.15 | 96.57 | 96.67  |
| 1960 | 95.50 | 95.54 | 95.56 | 95.59 | 95.75 | 96.01 | 96.48 | 96.43 | 96.53  |
| 1961 | 94.25 | 94.29 | 94.31 | 94.33 | 94.39 | 94.41 | 94.59 | 94.93 | 95.38  |
| 1962 | 92.86 | 92.90 | 92.95 | 93.01 | 93.03 | 93.06 | 93.16 | 93.36 | 93.52  |
| 1963 | 92.59 | 92.60 | 92.61 | 92.64 | 92.69 | 92.80 | 93.04 | 93.18 | 93.31  |
| 1964 | 93.75 | 93.76 | 93.80 | 93.89 | 93.98 | 94.13 | 94.53 | 94.86 | 95.00  |
| 1965 | 94.63 | 94.69 | 94.77 | 94.88 | 95.11 | 95.15 | 95.33 | 95.57 | 95.71  |
| 1966 | 94.99 | 95.07 | 95.16 | 95.27 | 95.48 | 95.75 | 95.91 | 95.95 | 95.93  |
| 1967 | 94.11 | 94.15 | 94.15 | 94.18 | 94.24 | 94.38 | 94.63 | 94.90 | 95.15  |
| 1968 | 93.17 | 93.22 | 93.26 | 93.29 | 93.41 | 93.70 | 93.88 | 94.18 | 94.52  |
| 1969 | 95.26 | 95.30 | 95.35 | 95.41 | 95.56 | 95.87 | 96.12 | 96.19 | 96.26  |
| 1970 | 95.17 | 95.20 | 95.24 | 95.32 | 95.34 | 95.38 | 95.47 | 95.92 | 96.11  |
| 1971 | 93.52 | 93.57 | 93.61 | 93.66 | 93.73 | 93.94 | 94.16 | 94.35 | 94.52  |
| 1972 | 93.75 | 93.79 | 93.82 | 93.94 | 94.10 | 94.20 | 94.29 | 94.33 | 94.41  |
| 1973 | 93.68 | 93.72 | 93.76 | 93.81 | 93.85 | 93.96 | 94.21 | 94.43 | 94.62  |
| 1974 | 94.13 | 94.15 | 94.18 | 94.19 | 94.26 | 94.58 | 94.84 | 95.05 | 95.34  |
| 1975 | 94.58 | 94.60 | 94.65 | 94.69 | 94.71 | 94.78 | 94.94 | 95.19 | 95.43  |
| 1976 | 94.33 | 94.40 | 94.44 | 94.49 | 94.63 | 94.78 | 94.93 | 95.12 | 95.34  |
| 1977 | 93.82 | 93.85 | 93.87 | 93.88 | 93.91 | 93.99 | 94.19 | 94.59 | 94.79  |
| 1978 | 93.43 | 93.45 | 93.47 | 93.56 | 93.61 | 93.64 | 93.82 | 94.00 | 94.42  |

Table 37. --Observed Monthly Mean Elevations for Lake Harris

MONTHLY DATA FOR WATER YEARS - LAKE HARRIS AT LEESBURG, ELEVATION-FT MSL (1957-79)

|      | OCT   | NOV   | DEC   | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1957 | 59.52 | 60.08 | 60.14 | 60.14 | 60.23 | 60.39 | 60.68 | 60.73 | 60.88 | 61.09 | 61.68 | 62.33 |
| 1958 | 62.55 | 62.32 | 62.30 | 62.63 | 62.66 | 63.17 | 63.54 | 63.11 | 62.50 | 62.46 | 62.14 | 61.73 |
| 1959 | 61.90 | 62.35 | 62.45 | 62.98 | 63.08 | 63.38 | 63.89 | 63.78 | 63.49 | 63.49 | 63.57 | 63.71 |
| 1960 | 63.93 | 63.70 | 63.31 | 62.94 | 63.84 | 63.56 | 64.72 | 64.30 | 63.24 | 62.65 | 62.99 | 63.38 |
| 1961 | 64.22 | 63.82 | 62.93 | 62.31 | 62.04 | 61.77 | 61.59 | 61.38 | 61.11 | 61.15 | 61.25 | 61.62 |
| 1962 | 61.43 | 61.35 | 61.36 | 61.47 | 61.54 | 61.47 | 61.35 | 61.08 | 61.17 | 61.18 | 61.46 | 61.81 |
| 1963 | 62.01 | 61.88 | 61.83 | 61.92 | 62.35 | 62.64 | 62.48 | 62.36 | 62.38 | 62.71 | 62.62 | 62.44 |
| 1964 | 62.43 | 62.38 | 62.48 | 62.89 | 63.12 | 63.09 | 63.07 | 63.05 | 62.55 | 62.47 | 62.76 | 62.74 |
| 1965 | 62.72 | 62.51 | 62.60 | 62.77 | 62.93 | 62.87 | 62.44 | 62.14 | 62.07 | 62.38 | 62.94 | 62.66 |
| 1966 | 62.73 | 62.65 | 62.60 | 62.80 | 63.11 | 63.10 | 62.87 | 62.80 | 62.72 | 62.73 | 62.94 | 62.96 |
| 1967 | 62.83 | 62.54 | 62.26 | 62.40 | 62.66 | 62.86 | 62.58 | 62.02 | 61.89 | 61.94 | 62.34 | 62.71 |
| 1968 | 62.83 | 62.51 | 62.41 | 62.39 | 62.38 | 62.60 | 62.47 | 62.31 | 62.83 | 63.03 | 62.89 | 63.07 |
| 1969 | 63.16 | 63.47 | 63.52 | 63.47 | 63.50 | 63.53 | 63.22 | 62.58 | 62.43 | 62.22 | 62.80 | 63.31 |
| 1970 | 63.39 | 63.40 | 63.52 | 63.77 | 63.95 | 63.90 | 63.51 | 62.58 | 62.45 | 62.32 | 62.43 | 62.59 |
| 1971 | 62.61 | 62.58 | 62.55 | 62.75 | 62.80 | 62.34 | 62.33 | 62.15 | 62.04 | 62.19 | 62.40 | 62.66 |
| 1972 | 62.62 | 62.63 | 62.77 | 62.77 | 62.96 | 63.01 | 62.98 | 62.56 | 62.49 | 62.40 | 62.33 | 62.30 |
| 1973 | 62.06 | 62.08 | 62.48 | 62.82 | 63.21 | 63.01 | 63.06 | 62.84 | 62.92 | 62.92 | 62.87 | 62.66 |
| 1974 | 62.59 | 62.45 | 62.51 | 62.80 | 62.74 | 62.74 | 62.69 | 62.34 | 62.37 | 63.02 | 62.66 | 62.81 |
| 1975 | 62.71 | 62.31 | 62.25 | 62.50 | 62.68 | 62.72 | 62.62 | 62.44 | 62.45 | 62.37 | 62.70 | 62.97 |
| 1976 | 63.09 | 63.34 | 63.18 | 63.27 | 63.29 | 63.21 | 63.15 | 63.13 | 62.78 | 62.57 | 62.54 | 62.75 |
| 1977 | 62.84 | 62.79 | 63.00 | 63.34 | 63.42 | 63.41 | 63.05 | 62.62 | 62.33 | 62.28 | 62.42 | 62.60 |
| 1978 | 62.42 | 62.26 | 62.44 | 62.69 | 63.11 | 63.34 | 62.85 | 62.57 | 62.44 | 62.25 | 62.46 | 62.08 |
| 1979 | 61.88 | 61.77 | 61.82 | 62.26 | 62.60 | 62.96 | 62.84 | 63.00 | 62.74 | 62.70 | 62.97 | 63.29 |
| MEAN | 62.54 | 62.49 | 62.47 | 62.61 | 62.79 | 62.83 | 62.78 | 62.52 | 62.36 | 62.37 | 62.53 | 62.66 |

Table 38. --Highest and Lowest Elevations Experienced by Lake Harris for Different Durations

##### LAKE HARRIS AT LEESBURG, ELEVATION-FT MSL (1957-79)

HIGHEST MEAN VALUES FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MAY 31

| YEAR | 1     | 7     | 14    | 30    | 60    | 120   | 183   | 274   | 1 YEAR |
|------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 1958 | 63.66 | 63.61 | 63.59 | 63.54 | 63.39 | 63.11 | 62.88 | 62.72 | 61.83  |
| 1959 | 64.07 | 64.05 | 64.01 | 63.92 | 63.84 | 63.52 | 63.23 | 62.81 | 62.19  |
| 1960 | 64.81 | 64.80 | 64.77 | 64.74 | 64.56 | 64.08 | 63.76 | 63.77 | 63.18  |
| 1961 | 64.35 | 64.33 | 64.32 | 64.25 | 64.07 | 63.63 | 63.38 | 63.07 | 62.36  |
| 1962 | 63.75 | 61.68 | 61.66 | 61.62 | 61.55 | 61.47 | 61.46 | 61.42 | 61.01  |
| 1963 | 63.75 | 62.75 | 62.72 | 62.65 | 62.58 | 62.46 | 62.26 | 62.14 | 61.58  |
| 1964 | 63.36 | 63.26 | 63.21 | 63.16 | 63.11 | 63.10 | 62.94 | 62.76 | 62.20  |
| 1965 | 63.08 | 63.03 | 62.98 | 62.96 | 62.91 | 62.80 | 62.74 | 62.71 | 62.28  |
| 1966 | 63.40 | 63.37 | 63.33 | 63.22 | 63.11 | 62.97 | 62.87 | 62.82 | 62.38  |
| 1967 | 63.20 | 63.14 | 63.11 | 63.03 | 63.00 | 62.87 | 62.79 | 62.69 | 62.28  |
| 1968 | 62.96 | 62.92 | 62.91 | 62.85 | 62.78 | 62.63 | 62.55 | 62.52 | 61.88  |
| 1969 | 63.70 | 63.65 | 63.63 | 63.56 | 63.52 | 63.51 | 63.47 | 63.31 | 62.83  |
| 1970 | 64.08 | 64.04 | 64.00 | 63.94 | 63.92 | 63.81 | 63.66 | 63.50 | 62.87  |
| 1971 | 63.10 | 62.97 | 62.92 | 62.80 | 62.77 | 62.67 | 62.65 | 62.56 | 62.15  |
| 1972 | 63.50 | 63.43 | 63.27 | 63.09 | 63.06 | 62.93 | 62.84 | 62.76 | 62.11  |
| 1973 | 63.30 | 63.28 | 63.27 | 63.21 | 63.12 | 63.04 | 62.88 | 62.64 | 62.24  |
| 1974 | 63.10 | 63.06 | 63.04 | 62.96 | 62.95 | 62.85 | 62.74 | 62.72 | 62.34  |
| 1975 | 63.36 | 63.32 | 63.25 | 63.10 | 62.86 | 62.82 | 62.65 | 62.63 | 62.25  |
| 1976 | 63.50 | 63.49 | 63.43 | 63.35 | 63.29 | 63.27 | 63.24 | 63.18 | 62.49  |
| 1977 | 63.58 | 63.53 | 63.49 | 63.44 | 63.42 | 63.31 | 63.16 | 63.01 | 62.57  |
| 1978 | 63.54 | 63.47 | 63.42 | 63.37 | 63.25 | 62.98 | 62.81 | 62.69 | 62.26  |
| 1979 | 63.20 | 63.14 | 63.10 | 63.02 | 62.93 | 62.85 | 62.56 | 62.35 | 62.02  |

##### LAKE HARRIS AT LEESBURG, ELEVATION-FT MSL (1957-79)

LOWEST MEAN VALUES FOR THE FOLLOWING NO OF CONSECUTIVE DAYS IN YEAR ENDING SEPT 30

| YEAR | 1     | 7     | 14    | 30    | 60    | 120   | 183   | 274   | 1 YEAR |
|------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 1957 | 58.87 | 58.98 | 59.04 | 59.50 | 59.79 | 59.96 | 60.08 | 60.31 | 60.66  |
| 1958 | 61.47 | 61.60 | 61.66 | 61.73 | 61.94 | 62.20 | 62.58 | 62.66 | 62.59  |
| 1959 | 61.59 | 61.80 | 61.83 | 61.89 | 62.12 | 62.40 | 62.69 | 63.03 | 63.17  |
| 1960 | 62.47 | 62.53 | 62.55 | 62.65 | 62.82 | 63.05 | 63.54 | 63.48 | 63.54  |
| 1961 | 60.97 | 61.02 | 61.04 | 61.08 | 61.11 | 61.22 | 61.35 | 61.58 | 62.10  |
| 1962 | 60.92 | 60.97 | 60.98 | 61.03 | 61.12 | 61.18 | 61.28 | 61.33 | 61.39  |
| 1963 | 61.78 | 61.80 | 61.80 | 61.83 | 61.85 | 61.91 | 62.10 | 62.20 | 62.30  |
| 1964 | 62.20 | 62.25 | 62.27 | 62.33 | 62.39 | 62.53 | 62.73 | 62.78 | 62.75  |
| 1965 | 61.84 | 61.89 | 61.93 | 61.98 | 62.08 | 62.25 | 62.44 | 62.52 | 62.58  |
| 1966 | 62.50 | 62.52 | 62.53 | 62.57 | 62.62 | 62.69 | 62.83 | 62.81 | 62.83  |
| 1967 | 61.78 | 61.85 | 61.87 | 61.88 | 61.89 | 62.02 | 62.24 | 62.32 | 62.42  |
| 1968 | 62.20 | 62.23 | 62.24 | 62.28 | 62.37 | 62.41 | 62.43 | 62.53 | 62.64  |
| 1969 | 62.14 | 62.16 | 62.17 | 62.22 | 62.32 | 62.48 | 62.76 | 63.00 | 63.10  |
| 1970 | 62.18 | 62.21 | 62.25 | 62.28 | 62.35 | 62.42 | 62.64 | 63.05 | 63.15  |
| 1971 | 62.00 | 62.01 | 62.02 | 62.04 | 62.09 | 62.17 | 62.24 | 62.39 | 62.45  |
| 1972 | 62.10 | 62.18 | 62.23 | 62.29 | 62.31 | 62.38 | 62.51 | 62.64 | 62.65  |
| 1973 | 61.98 | 61.98 | 61.98 | 62.00 | 62.07 | 62.34 | 62.60 | 62.71 | 62.74  |
| 1974 | 62.06 | 62.07 | 62.12 | 62.22 | 62.31 | 62.52 | 62.61 | 62.58 | 62.64  |
| 1975 | 62.12 | 62.15 | 62.16 | 62.19 | 62.26 | 62.42 | 62.50 | 62.48 | 62.56  |
| 1976 | 62.46 | 62.47 | 62.48 | 62.51 | 62.54 | 62.65 | 62.82 | 62.96 | 63.02  |
| 1977 | 62.16 | 62.19 | 62.22 | 62.25 | 62.28 | 62.39 | 62.55 | 62.82 | 62.84  |
| 1978 | 62.00 | 62.02 | 62.03 | 62.08 | 62.27 | 62.31 | 62.44 | 62.64 | 62.57  |
| 1979 | 61.70 | 61.73 | 61.75 | 61.76 | 61.78 | 61.92 | 62.21 | 62.43 | 62.57  |

Table 39. --Observed Monthly Mean Elevations for Johns Lake

MONTHLY DATA FOR WATER YEARS - JOHNS LAKE AT OAKLAND, ELEV. FT-MSL

|      | UCT   | NOV   | DEC   | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1960 | 97.76 | 97.64 | 97.24 | 97.02 | 96.98 | 97.92 | 99.04 | 98.42 | 97.86 | 97.80 | 97.85 | 98.43 |
| 1961 | 98.59 | 97.68 | 96.99 | 96.83 | 96.88 | 96.60 | 96.21 | 95.47 | 94.95 | 94.85 | 94.60 | 94.77 |
| 1962 | 94.40 | 94.19 | 93.85 | 93.58 | 93.44 | 93.20 | 92.86 | 92.27 | 91.97 | 91.74 | 91.71 | 91.90 |
| 1963 | 92.29 | 91.95 | 91.56 | 91.32 | 91.56 | 92.13 | 91.86 | 91.28 | 90.91 | 91.54 | 91.54 | 91.54 |
| 1964 | 91.64 | 91.58 | 91.50 | 92.11 | 92.75 | 92.98 | 93.18 | 93.14 | 92.63 | 92.62 | 92.88 | 94.86 |
| 1965 | 94.58 | 94.16 | 93.93 | 93.64 | 93.45 | 93.44 | 93.01 | 92.47 | 92.00 | --    | 92.22 | 92.34 |
| 1966 | 92.48 | 92.43 | 92.25 | 92.34 | 92.61 | 93.25 | 93.12 | 92.72 | 92.77 | 93.40 | 94.39 | 94.70 |
| 1967 | 94.71 | 94.19 | 93.79 | 93.51 | 93.49 | 93.42 | 92.76 | 91.95 | 91.66 | 91.82 | 92.40 | 92.77 |
| 1968 | 92.93 | 92.37 | 92.03 | 91.70 | 91.34 | 91.15 | 90.63 | 90.01 | 91.14 | 92.38 | 93.07 | 93.91 |
| 1969 | 93.82 | 94.03 | 93.94 | 93.88 | 93.85 | 94.22 | 94.38 | 93.99 | 93.59 | 93.21 | 93.70 | 94.64 |
| 1970 | 95.79 | 96.06 | 96.52 | 97.24 | 97.64 | 97.60 | 97.07 | 96.28 | 96.28 | 96.53 | 96.40 | 96.32 |
| 1971 | 95.91 | 95.61 | 95.13 | 94.90 | 94.90 | 94.62 | 94.21 | 93.59 | 93.00 | 93.12 | 93.63 | 94.17 |
| 1972 | 93.91 | 93.69 | 93.43 | 93.09 | 93.03 | 92.83 | 92.77 | 92.32 | 92.44 | 92.92 | 92.83 | 92.77 |
| 1973 | 92.32 | 91.94 | 91.86 | 91.89 | 92.07 | 91.98 | 91.92 | 91.46 | 91.05 | 90.75 | 90.69 | 91.23 |
| 1974 | 91.31 | 90.87 | 90.55 | 90.45 | --    | 89.73 | 89.37 | 88.91 | 89.03 | 90.71 | 91.29 | 91.54 |
| 1975 | 91.45 | 90.94 | 90.54 | 90.35 | 90.18 | 89.84 | 89.30 | 88.71 | 88.59 | 88.75 | 89.46 | 90.16 |
| 1976 | 91.38 | 91.29 | 91.10 | 90.63 | 90.29 | 90.07 | 89.64 | 89.31 | 89.99 | 90.80 | 91.64 | 92.24 |
| 1977 | 92.30 | 91.95 | 91.81 | 91.77 | 91.75 | 91.54 | 90.91 | 90.21 | 89.93 | 89.87 | 89.86 | 90.09 |
| 1978 | 90.01 | 89.60 | 89.52 | 89.54 | 89.85 | 90.41 | 89.91 | 89.50 | 89.32 | 89.73 | 90.20 | 89.90 |
| 1979 | 89.35 | 88.85 | 88.48 | 88.62 | 88.69 | 89.12 | 88.80 | 89.09 | 89.01 | 88.61 | 88.70 | 89.40 |
| MEAN | 93.35 | 93.05 | 92.80 | 92.72 | 92.88 | 92.80 | 92.55 | 92.05 | 91.91 | 92.17 | 92.45 | 92.88 |



Table 40. --Observed Monthly Mean Elevations for Lake Apopka

MONTHLY DATA FOR WATER YEARS - LAKE APOPKA AT WINTER GARDEN, ELEVATION - FT NGVD

|      | OCT   | NOV   | DEC   | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1943 | 67.57 | 67.21 | 67.17 | 67.11 | 67.05 | 67.07 | 66.88 | 66.59 | 66.40 | 66.53 | 66.94 | 67.23 |
| 1944 | 67.33 | 67.06 | 66.94 | 67.00 | 66.90 | 66.79 | 66.89 | 66.62 | 66.43 | 66.64 | 67.14 | 67.41 |
| 1945 | 67.42 | 67.55 | 67.24 | 67.19 | 66.98 | 66.61 | 66.14 | 65.70 | 65.65 | 66.48 | 66.97 | 67.59 |
| 1946 | 67.71 | 67.37 | 67.17 | 67.30 | 67.22 | 67.26 | 66.91 | 66.85 | 66.99 | 67.11 | 67.53 | 67.48 |
| 1947 | 67.47 | 67.26 | 67.17 | 67.03 | 67.08 | 67.38 | 67.74 | 67.65 | 67.84 | 68.16 | 68.38 | 68.67 |
| 1948 | 68.74 | 68.61 | 68.47 | 68.48 | 68.61 | 68.47 | 67.96 | 67.29 | 66.71 | 66.77 | 67.50 | 67.69 |
| 1949 | 67.86 | 67.44 | 67.20 | 66.90 | 66.65 | 66.18 | 65.92 | 65.60 | 65.40 | 65.63 | 65.86 | 66.59 |
| 1950 | 66.83 | 66.50 | 66.30 | 66.11 | 65.81 | 65.61 | 65.56 | 65.20 | 64.84 | 64.86 | 64.65 | 65.47 |
| 1951 | 66.06 | 66.31 | 66.25 | 66.24 | 66.34 | 66.11 | 66.04 | 65.78 | 65.48 | 65.76 | 65.85 | 65.91 |
| 1952 | 66.25 | 66.15 | 66.21 | 66.23 | 66.31 | 66.51 | 66.45 | 66.09 | 65.84 | 65.78 | 65.69 | 65.72 |
| 1953 | 66.06 | 66.14 | 66.02 | 66.04 | 66.17 | 66.11 | 66.35 | 66.12 | 66.10 | 66.10 | 66.67 | 67.74 |
| 1954 | 68.09 | 67.79 | 67.97 | 67.99 | 67.68 | 67.39 | 66.95 | 66.56 | 66.31 | 66.24 | 66.42 | 66.38 |
| 1955 | 66.52 | 66.40 | 66.38 | 66.32 | 66.30 | 66.06 | 65.90 | 65.58 | 65.48 | 65.72 | 65.87 | 66.11 |
| 1956 | 66.04 | 65.96 | 65.87 | 65.72 | 65.75 | 65.44 | 65.03 | 64.96 | 64.56 | 64.44 | 64.19 | 64.18 |
| 1957 | 64.77 | 65.28 | 65.16 | 65.14 | 65.11 | 65.23 | 65.42 | 65.48 | 65.76 | 65.73 | 66.12 | 66.74 |
| 1958 | 66.96 | 66.72 | 66.70 | 67.07 | 67.45 | 67.82 | 67.32 | 66.73 | 66.15 | 66.30 | 66.39 | 66.22 |
| 1959 | 66.47 | 66.81 | 66.68 | 67.08 | 66.95 | 67.45 | 67.89 | 67.54 | 67.19 | 66.98 | 66.86 | 67.33 |
| 1960 | 67.68 | 67.56 | 67.36 | 67.19 | 67.23 | 67.75 | 67.91 | 67.32 | 66.91 | 67.16 | 67.48 | 67.96 |
| 1961 | 68.26 | 67.74 | 67.28 | 67.02 | 66.87 | 66.47 | 66.07 | 65.70 | 65.35 | 65.60 | 65.59 | 65.90 |
| 1962 | 65.80 | 65.78 | 65.70 | 65.72 | 65.79 | 65.75 | 65.61 | 65.20 | 65.21 | 65.20 | 65.20 | 65.36 |
| 1963 | 65.51 | 65.39 | 65.32 | 65.35 | 65.85 | 66.30 | 66.01 | 65.64 | 65.42 | 65.86 | 65.77 | 65.77 |
| 1964 | 66.01 | 66.08 | 66.26 | 66.72 | 67.09 | 66.97 | 66.90 | 66.83 | 66.23 | 66.16 | 66.52 | 67.07 |
| 1965 | 66.93 | 66.67 | 66.74 | 66.86 | 66.97 | 67.20 | 66.84 | 66.17 | 65.97 | 66.01 | 66.46 | 66.31 |
| 1966 | 66.24 | 66.20 | 66.24 | 66.51 | 66.71 | 67.04 | 66.86 | 66.67 | 66.54 | 66.30 | 66.57 | 66.46 |
| 1967 | 66.79 | 66.54 | 66.38 | 66.45 | 66.69 | 66.70 | 66.27 | 65.81 | 65.82 | 66.40 | 66.85 | 66.91 |
| 1968 | 66.83 | 66.51 | 66.44 | 66.42 | 66.44 | 66.58 | 66.29 | 65.97 | 66.79 | 67.17 | 66.94 | 67.13 |
| 1969 | 66.69 | 66.95 | 66.84 | 67.01 | 67.20 | 67.50 | 67.45 | 66.94 | 66.57 | 66.15 | 66.95 | 67.30 |
| 1970 | 67.58 | 67.50 | 67.64 | 68.04 | 68.28 | 68.24 | 67.61 | 66.79 | 66.64 | 66.65 | 66.75 | 66.86 |
| 1971 | 66.61 | 66.62 | 66.51 | 66.39 | 66.27 | 65.87 | 65.30 | 64.58 | 64.30 | 64.74 | 65.43 | 65.74 |
| 1972 | 65.77 | 65.91 | 66.05 | 66.09 | 66.52 | 66.60 | 66.96 | 66.64 | 66.61 | 66.57 | 66.40 | 66.46 |
| 1973 | 66.17 | 66.16 | 66.56 | 66.86 | 67.22 | 67.13 | 67.07 | 66.77 | 66.63 | 66.43 | 66.72 | 67.24 |
| 1974 | 67.30 | 66.86 | 66.77 | 66.92 | 66.80 | 66.64 | 66.44 | 66.04 | 66.20 | 67.02 | 66.83 | 66.91 |
| 1975 | 66.87 | 66.40 | 66.25 | 66.34 | 66.37 | 66.32 | 65.99 | 65.70 | 65.76 | 65.90 | 66.60 | 67.21 |
| 1976 | 67.49 | 67.33 | 67.23 | 67.24 | 67.10 | 67.05 | 66.82 | 66.66 | 66.93 | 66.76 | 66.95 | 67.10 |
| 1977 | 67.24 | 67.21 | 67.35 | 67.45 | 67.35 | 67.23 | 66.72 | 66.15 | 65.80 | 65.74 | 65.88 | 66.23 |
| 1978 | 66.06 | 65.91 | 66.09 | 66.29 | 66.62 | 67.02 | 66.52 | 66.18 | 66.10 | 66.03 | 66.40 | 66.24 |
| 1979 | 66.04 | 65.78 | 65.68 | 66.23 | 66.39 | 66.65 | 66.31 | 66.67 | 66.66 | 66.32 | 66.57 | 67.35 |
| MEAN | 66.81 | 66.69 | 66.64 | 66.70 | 66.76 | 66.77 | 66.58 | 66.24 | 66.10 | 66.20 | 66.43 | 66.70 |

Table 41A. --Highest Elevations Experienced by Lake Apopka for Different Durations

LAKE APOPKA AT WINTER GARDEN, ELEV - FT. M.S.L (1943-79)

HIGHEST MEAN VALUES FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MAY 31

| YEAR | 1     | 7     | 14    | 30    | 60    | 120   | 183   | 274   | 1 YEAR |
|------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 1944 | 67.49 | 67.46 | 67.42 | 67.40 | 67.29 | 67.17 | 67.10 | 67.01 | 66.34  |
| 1945 | 67.83 | 67.79 | 67.75 | 67.68 | 67.52 | 67.41 | 67.33 | 67.13 | 66.51  |
| 1946 | 67.94 | 67.90 | 67.86 | 67.82 | 67.68 | 67.47 | 67.40 | 67.27 | 66.67  |
| 1947 | 67.95 | 67.91 | 67.90 | 67.84 | 67.70 | 67.46 | 67.34 | 67.36 | 66.95  |
| 1948 | 68.90 | 68.85 | 68.81 | 68.77 | 68.72 | 68.63 | 68.60 | 68.51 | 67.75  |
| 1949 | 68.04 | 67.99 | 67.96 | 67.89 | 67.79 | 67.64 | 67.44 | 67.19 | 66.51  |
| 1950 | 66.95 | 66.93 | 66.93 | 66.86 | 66.72 | 66.57 | 66.38 | 66.14 | 65.59  |
| 1951 | 66.93 | 66.54 | 66.50 | 66.42 | 66.33 | 66.30 | 66.24 | 66.05 | 65.38  |
| 1952 | 66.74 | 66.66 | 66.58 | 66.52 | 66.49 | 66.37 | 66.31 | 66.23 | 65.55  |
| 1953 | 66.59 | 66.52 | 66.47 | 66.40 | 66.29 | 66.20 | 66.15 | 66.07 | 65.64  |
| 1954 | 68.32 | 68.22 | 68.18 | 68.12 | 68.01 | 67.97 | 67.88 | 67.59 | 66.88  |
| 1955 | 66.79 | 66.70 | 66.64 | 66.53 | 66.47 | 66.43 | 66.40 | 66.36 | 65.87  |
| 1956 | 66.18 | 66.15 | 66.14 | 66.11 | 66.08 | 66.00 | 65.93 | 65.84 | 65.12  |
| 1957 | 65.62 | 65.55 | 65.53 | 65.49 | 65.46 | 65.31 | 65.26 | 65.07 | 64.55  |
| 1958 | 68.06 | 68.02 | 67.98 | 67.84 | 67.64 | 67.40 | 67.17 | 67.04 | 66.38  |
| 1959 | 68.11 | 68.01 | 67.92 | 67.89 | 67.78 | 67.45 | 67.25 | 66.99 | 66.45  |
| 1960 | 68.43 | 68.35 | 68.26 | 68.16 | 67.88 | 67.54 | 67.50 | 67.47 | 66.81  |
| 1961 | 68.44 | 68.39 | 68.37 | 68.34 | 68.21 | 67.86 | 67.65 | 67.41 | 66.72  |
| 1962 | 66.96 | 65.99 | 65.96 | 65.90 | 65.85 | 65.80 | 65.78 | 65.75 | 65.29  |
| 1963 | 66.96 | 66.40 | 66.38 | 66.30 | 66.18 | 65.95 | 65.74 | 65.63 | 65.16  |
| 1964 | 67.28 | 67.16 | 67.14 | 67.09 | 67.03 | 66.97 | 66.78 | 66.50 | 65.75  |
| 1965 | 67.40 | 67.39 | 67.32 | 67.20 | 67.11 | 66.97 | 66.90 | 66.86 | 66.32  |
| 1966 | 67.29 | 67.19 | 67.14 | 67.05 | 66.97 | 66.82 | 66.66 | 66.53 | 66.07  |
| 1967 | 67.00 | 66.89 | 66.86 | 66.82 | 66.70 | 66.59 | 66.60 | 66.54 | 66.09  |
| 1968 | 67.13 | 67.12 | 67.09 | 67.03 | 66.94 | 66.79 | 66.67 | 66.60 | 65.91  |
| 1969 | 67.82 | 67.71 | 67.66 | 67.57 | 67.46 | 67.28 | 67.15 | 67.07 | 66.67  |
| 1970 | 68.54 | 68.42 | 68.36 | 68.32 | 68.25 | 68.09 | 67.88 | 67.68 | 67.00  |
| 1971 | 67.00 | 66.99 | 66.95 | 66.93 | 66.82 | 66.73 | 66.69 | 66.59 | 65.89  |
| 1972 | 67.15 | 67.10 | 67.07 | 66.96 | 66.80 | 66.67 | 66.46 | 66.24 | 65.35  |
| 1973 | 67.44 | 67.27 | 67.26 | 67.22 | 67.18 | 67.07 | 66.92 | 66.70 | 66.29  |
| 1974 | 67.50 | 67.48 | 67.45 | 67.37 | 67.28 | 67.04 | 66.98 | 66.86 | 66.36  |
| 1975 | 67.22 | 67.21 | 67.18 | 67.06 | 66.94 | 66.92 | 66.73 | 66.61 | 66.07  |
| 1976 | 67.72 | 67.69 | 67.64 | 67.60 | 67.47 | 67.36 | 67.29 | 67.12 | 66.32  |
| 1977 | 67.60 | 67.55 | 67.53 | 67.47 | 67.42 | 67.36 | 67.31 | 67.18 | 66.67  |
| 1978 | 67.29 | 67.16 | 67.12 | 67.03 | 66.86 | 66.61 | 66.44 | 66.31 | 65.82  |
| 1979 | 66.95 | 66.90 | 66.86 | 66.71 | 66.53 | 66.51 | 66.31 | 66.22 | 65.85  |

Table 41B. --Lowest Elevations Experienced by Lake Apopka for Different Durations

LAKE APOPKA AT WINTER GARDEN, ELEV - FT. M.S.L (1943-79)

LOWEST MEAN VALUES FOR THE FOLLOWING NO OF CONSECUTIVE DAYS IN YEAR ENDING SEPT 30

| YEAR | 1     | 7     | 14    | 30    | 60    | 120   | 183   | 274   | 1 YEAR |
|------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 1943 | 66.26 | 66.32 | 66.34 | 66.38 | 66.45 | 66.57 | 66.72 | 66.85 | 66.98  |
| 1944 | 66.36 | 66.39 | 66.42 | 66.43 | 66.48 | 66.64 | 66.71 | 66.80 | 66.93  |
| 1945 | 65.40 | 65.44 | 65.47 | 65.49 | 65.65 | 65.96 | 66.23 | 66.55 | 66.79  |
| 1946 | 66.62 | 66.67 | 66.74 | 66.77 | 66.86 | 66.95 | 67.05 | 67.13 | 67.24  |
| 1947 | 66.87 | 66.94 | 66.99 | 67.00 | 67.05 | 67.12 | 67.23 | 67.41 | 67.65  |
| 1948 | 66.50 | 66.54 | 66.56 | 66.61 | 66.73 | 67.05 | 67.32 | 67.72 | 67.94  |
| 1949 | 65.21 | 65.24 | 65.29 | 65.34 | 65.46 | 65.58 | 65.76 | 66.08 | 66.43  |
| 1950 | 64.49 | 64.55 | 64.56 | 64.62 | 64.73 | 64.84 | 65.08 | 65.34 | 65.64  |
| 1951 | 65.37 | 65.41 | 65.43 | 65.48 | 65.59 | 65.71 | 65.80 | 65.94 | 66.01  |
| 1952 | 65.58 | 65.60 | 65.63 | 65.65 | 65.69 | 65.75 | 65.93 | 66.07 | 66.10  |
| 1953 | 65.70 | 65.77 | 65.84 | 65.97 | 66.02 | 66.07 | 66.09 | 66.12 | 66.30  |
| 1954 | 66.17 | 66.21 | 66.22 | 66.24 | 66.27 | 66.33 | 66.48 | 66.88 | 67.15  |
| 1955 | 65.31 | 65.36 | 65.40 | 65.48 | 65.52 | 65.65 | 65.76 | 65.92 | 66.05  |
| 1956 | 64.04 | 64.09 | 64.14 | 64.17 | 64.18 | 64.34 | 64.56 | 64.92 | 65.18  |
| 1957 | 64.13 | 64.16 | 64.19 | 64.76 | 65.02 | 65.08 | 65.11 | 65.26 | 65.50  |
| 1958 | 65.99 | 66.03 | 66.06 | 66.14 | 66.22 | 66.27 | 66.52 | 66.82 | 66.81  |
| 1959 | 66.06 | 66.31 | 66.37 | 66.47 | 66.64 | 66.75 | 66.91 | 67.12 | 67.10  |
| 1960 | 66.79 | 66.83 | 66.87 | 66.91 | 66.99 | 67.19 | 67.37 | 67.37 | 67.46  |
| 1961 | 65.13 | 65.27 | 65.29 | 65.35 | 65.45 | 65.55 | 65.70 | 66.06 | 66.49  |
| 1962 | 64.93 | 64.96 | 64.97 | 65.06 | 65.18 | 65.19 | 65.30 | 65.45 | 65.53  |
| 1963 | 65.20 | 65.24 | 65.26 | 65.28 | 65.32 | 65.38 | 65.62 | 65.64 | 65.68  |
| 1964 | 65.76 | 65.82 | 65.86 | 65.94 | 66.04 | 66.25 | 66.52 | 66.56 | 66.57  |
| 1965 | 65.77 | 65.81 | 65.85 | 65.91 | 65.96 | 66.14 | 66.29 | 66.53 | 66.59  |
| 1966 | 66.06 | 66.09 | 66.14 | 66.16 | 66.19 | 66.29 | 66.49 | 66.55 | 66.53  |
| 1967 | 65.60 | 65.66 | 65.68 | 65.69 | 65.81 | 66.07 | 66.27 | 66.34 | 66.47  |
| 1968 | 65.83 | 65.87 | 65.93 | 65.97 | 66.10 | 66.30 | 66.35 | 66.47 | 66.63  |
| 1969 | 65.95 | 66.01 | 66.06 | 66.14 | 66.31 | 66.63 | 66.89 | 66.93 | 66.96  |
| 1970 | 66.45 | 66.49 | 66.53 | 66.59 | 66.62 | 66.70 | 66.88 | 67.31 | 67.38  |
| 1971 | 64.20 | 64.24 | 64.26 | 64.30 | 64.42 | 64.70 | 65.01 | 65.40 | 65.69  |
| 1972 | 65.53 | 65.58 | 65.62 | 65.77 | 65.84 | 65.95 | 66.15 | 66.35 | 66.38  |
| 1973 | 65.98 | 66.03 | 66.03 | 66.07 | 66.16 | 66.42 | 66.68 | 66.72 | 66.74  |
| 1974 | 65.85 | 65.87 | 65.90 | 65.97 | 66.05 | 66.31 | 66.50 | 66.62 | 66.73  |
| 1975 | 65.60 | 65.64 | 65.68 | 65.70 | 65.72 | 65.83 | 66.00 | 66.11 | 66.31  |
| 1976 | 66.44 | 66.55 | 66.56 | 66.61 | 66.73 | 66.77 | 66.85 | 66.95 | 67.05  |
| 1977 | 65.64 | 65.68 | 65.70 | 65.73 | 65.76 | 65.87 | 66.08 | 66.50 | 66.69  |
| 1978 | 65.80 | 65.82 | 65.86 | 65.91 | 65.96 | 66.08 | 66.24 | 66.30 | 66.29  |
| 1979 | 65.55 | 65.58 | 65.62 | 65.64 | 65.73 | 65.92 | 66.13 | 66.27 | 66.39  |

Table 42. --Observed Monthly Mean Elevations for Lake Dora

MONTHLY DATA FOR WATER YEARS -- LAKE DORA AT MOUNT DORA, ELEVATION - FT MSL

|      | OCT   | NOV   | DEC   | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1943 | 63.05 | 62.70 | 62.61 | 62.53 | 62.32 | 62.28 | 62.03 | 61.85 | 61.60 | 61.84 | 62.30 | 62.86 |
| 1944 | 62.72 | 62.37 | 62.22 | 62.26 | 62.20 | 62.11 | 62.19 | 61.89 | 61.68 | 61.87 | 62.85 | 63.24 |
| 1945 | 63.50 | 64.00 | 63.78 | 63.82 | 63.67 | 63.30 | 62.76 | 62.18 | 61.98 | 62.87 | 63.22 | 64.24 |
| 1946 | 64.57 | 64.28 | 64.10 | 64.19 | 64.05 | 64.13 | 63.73 | 63.50 | 63.49 | 63.08 | 63.26 | 63.23 |
| 1947 | 63.17 | 62.97 | 62.68 | 62.35 | 62.16 | 62.37 | 62.81 | 62.72 | 62.44 | 62.60 | 62.88 | 63.26 |
| 1948 | 63.57 | 63.65 | 63.64 | 63.76 | 64.20 | 64.38 | 64.16 | 63.77 | 63.37 | 63.46 | 64.17 | 64.58 |
| 1949 | 64.77 | 64.45 | 64.34 | 64.12 | 63.93 | 63.54 | 63.42 | 63.03 | 62.89 | 63.14 | 63.48 | 64.40 |
| 1950 | 64.81 | 64.55 | 64.26 | 64.02 | 63.63 | 63.33 | 63.12 | 62.71 | 62.31 | 62.18 | 62.02 | 62.71 |
| 1951 | 63.01 | 63.31 | 63.30 | 63.42 | 63.37 | 63.09 | 62.77 | 62.37 | 62.00 | 62.36 | 62.36 | 62.28 |
| 1952 | 62.55 | 62.43 | 62.50 | 62.51 | 62.64 | 62.99 | 63.23 | 62.89 | 62.52 | 62.36 | 62.24 | 62.12 |
| 1953 | 62.59 | 62.50 | 62.32 | 62.54 | 62.76 | 62.64 | 62.90 | 62.71 | 62.45 | 62.42 | 62.96 | 64.09 |
| 1954 | 64.64 | 64.58 | 64.79 | 64.91 | 64.61 | 64.27 | 63.84 | 63.41 | 63.13 | 62.94 | 62.74 | 62.59 |
| 1955 | 62.89 | 62.91 | 62.88 | 62.76 | 62.77 | 62.56 | 62.48 | 62.11 | 61.83 | 62.05 | 62.00 | 62.35 |
| 1956 | 62.13 | 62.15 | 62.12 | 62.08 | 62.27 | 62.01 | 61.64 | 61.66 | 61.24 | 61.27 | 61.04 | 60.80 |
| 1957 | 61.13 | 61.35 | 61.05 | 60.83 | 60.73 | 60.78 | 60.86 | 61.10 | 61.16 | 61.29 | 61.87 | 62.43 |
| 1958 | 62.60 | 62.34 | 62.36 | 62.75 | 62.86 | 64.48 | 64.68 | 63.92 | 62.80 | 62.49 | 62.21 | 61.78 |
| 1959 | 61.95 | 62.43 | 62.56 | 63.18 | 63.38 | 63.60 | 64.24 | 64.24 | 63.92 | 63.79 | 63.80 | 63.88 |
| 1960 | 64.11 | 63.83 | 63.49 | 63.19 | 63.47 | 64.13 | 65.00 | 64.50 | 63.42 | 63.09 | 63.46 | 63.96 |
| 1961 | 64.59 | 64.16 | 63.43 | 62.99 | 63.08 | 62.57 | 61.72 | 61.40 | 61.13 | 61.17 | 61.28 | 61.64 |
| 1962 | 61.43 | 61.37 | 61.40 | 61.51 | 61.56 | 61.49 | 61.36 | 61.07 | 61.17 | 61.21 | 61.47 | 61.82 |
| 1963 | 62.02 | 61.91 | 61.85 | 61.93 | 62.39 | 62.66 | 62.47 | 62.33 | 62.44 | 62.73 | 62.62 | 62.41 |
| 1964 | 62.40 | 62.38 | 62.48 | 62.90 | 63.33 | 63.14 | 63.07 | 63.00 | 62.53 | 62.45 | 62.79 | 63.13 |
| 1965 | 62.86 | 62.51 | 62.59 | 62.76 | 62.92 | 62.90 | 62.58 | 62.09 | 62.05 | 62.34 | 63.09 | 63.01 |
| 1966 | 62.75 | 62.63 | 62.58 | 62.81 | 63.11 | 63.15 | 62.86 | 62.79 | 63.06 | 63.11 | 63.22 | 63.03 |
| 1967 | 62.79 | 62.53 | 62.26 | 62.37 | 62.66 | 62.85 | 62.58 | 62.00 | 61.85 | 61.93 | 62.39 | 62.93 |
| 1968 | 62.82 | 62.49 | 62.37 | 62.38 | 62.39 | 62.55 | 62.41 | 62.26 | 62.98 | 63.59 | 63.41 | 63.58 |
| 1969 | 63.25 | 63.47 | 63.50 | 63.44 | 63.45 | 63.55 | 63.35 | 62.66 | 62.37 | 62.25 | 63.07 | 63.85 |
| 1970 | 63.68 | 63.72 | 63.62 | 64.04 | 64.13 | 64.31 | 64.10 | 62.73 | 62.56 | 62.42 | 62.45 | 62.62 |
| 1971 | 62.49 | 62.51 | 62.49 | 63.03 | 63.37 | 62.90 | 62.60 | 62.28 | 61.98 | 62.12 | 62.36 | 62.56 |
| 1972 | 62.55 | 62.56 | 62.73 | 62.74 | 62.94 | 62.97 | 63.03 | 62.51 | 62.54 | 62.36 | 62.28 | 62.22 |
| 1973 | 61.95 | 61.97 | 62.41 | 62.76 | 63.15 | 63.01 | 63.01 | 62.78 | 62.82 | 62.84 | 62.80 | 62.54 |
| 1974 | 62.53 | 62.46 | 62.48 | 62.73 | 62.70 | 62.69 | 62.60 | 62.31 | 62.37 | 63.54 | 62.76 | 62.73 |
| 1975 | 62.60 | 62.37 | 62.20 | 62.41 | 62.61 | 62.65 | 62.53 | 62.37 | 62.33 | 62.32 | 62.65 | 63.08 |
| 1976 | 63.57 | 63.30 | 63.15 | 63.16 | 63.18 | 63.17 | 63.09 | 63.17 | 62.92 | 62.76 | 62.51 | 62.71 |
| 1977 | 62.80 | 62.76 | 62.98 | 63.46 | 63.46 | 63.52 | 62.99 | 62.57 | 62.34 | 62.26 | 62.39 | 62.58 |
| 1978 | 62.38 | 62.25 | 62.43 | 62.70 | 63.12 | 63.46 | 62.91 | 62.56 | 62.41 | 62.21 | 62.49 | 62.08 |
| 1979 | 61.84 | 61.71 | 61.77 | 62.26 | 62.58 | 62.91 | 62.76 | 62.96 | 62.71 | 62.62 | 62.89 | 63.51 |
| MEAN | 62.95 | 62.86 | 62.80 | 62.91 | 63.00 | 63.04 | 62.92 | 62.60 | 62.40 | 62.47 | 62.64 | 62.89 |

Table 43A. --Highest Elevations Experienced by Lake Dora for Different Durations

LAKE DORA AT MOUNT DORA, ELEVATION - FT MSL

HIGHEST MEAN VALUES FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MAY 31

| YEAR | 1     | 7     | 14    | 30    | 60    | 120   | 183   | 274   | 1 YEAR |
|------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 1944 | 63.01 | 62.99 | 62.94 | 62.89 | 62.80 | 62.59 | 62.47 | 62.36 | 61.70  |
| 1945 | 64.08 | 64.07 | 64.06 | 64.04 | 63.95 | 63.86 | 63.69 | 63.42 | 62.70  |
| 1946 | 64.68 | 64.67 | 64.66 | 64.63 | 64.53 | 64.34 | 64.26 | 64.08 | 63.38  |
| 1947 | 63.77 | 63.68 | 63.62 | 63.49 | 63.28 | 63.26 | 63.20 | 62.93 | 62.51  |
| 1948 | 64.49 | 64.47 | 64.47 | 64.39 | 64.31 | 64.15 | 63.98 | 63.81 | 63.00  |
| 1949 | 64.93 | 64.90 | 64.87 | 64.79 | 64.68 | 64.55 | 64.41 | 64.16 | 63.58  |
| 1950 | 64.92 | 64.88 | 64.88 | 64.82 | 64.71 | 64.51 | 64.29 | 63.96 | 63.35  |
| 1951 | 63.55 | 63.45 | 63.44 | 63.42 | 63.40 | 63.36 | 63.25 | 63.03 | 62.47  |
| 1952 | 63.36 | 63.34 | 63.31 | 63.25 | 63.12 | 62.93 | 62.78 | 62.66 | 62.04  |
| 1953 | 63.02 | 62.95 | 62.94 | 62.92 | 62.86 | 62.75 | 62.64 | 62.56 | 62.17  |
| 1954 | 65.02 | 65.00 | 64.98 | 64.94 | 64.86 | 64.74 | 64.64 | 64.34 | 63.55  |
| 1955 | 63.33 | 63.29 | 63.24 | 63.13 | 63.04 | 62.87 | 62.87 | 62.84 | 62.39  |
| 1956 | 62.46 | 62.41 | 62.39 | 62.35 | 62.24 | 62.19 | 62.18 | 62.13 | 61.51  |
| 1957 | 61.90 | 61.62 | 61.59 | 61.51 | 61.34 | 61.11 | 61.14 | 61.05 | 60.69  |
| 1958 | 64.91 | 64.84 | 64.83 | 64.79 | 64.62 | 63.96 | 63.46 | 63.13 | 62.36  |
| 1959 | 64.51 | 64.49 | 64.46 | 64.33 | 64.24 | 63.85 | 63.50 | 63.01 | 62.54  |
| 1960 | 65.20 | 65.14 | 65.08 | 65.00 | 64.87 | 64.26 | 63.95 | 63.95 | 63.40  |
| 1961 | 64.70 | 64.68 | 64.66 | 64.59 | 64.47 | 64.06 | 63.79 | 63.57 | 62.82  |
| 1962 | 63.87 | 61.70 | 61.69 | 61.64 | 61.55 | 61.50 | 61.48 | 61.44 | 61.03  |
| 1963 | 63.87 | 62.75 | 62.73 | 62.67 | 62.59 | 62.47 | 62.27 | 62.15 | 61.59  |
| 1964 | 63.45 | 63.39 | 63.38 | 63.33 | 63.23 | 63.15 | 62.97 | 62.78 | 62.22  |
| 1965 | 63.38 | 63.37 | 63.35 | 63.25 | 63.05 | 62.83 | 62.81 | 62.78 | 62.33  |
| 1966 | 63.47 | 63.42 | 63.37 | 63.26 | 63.14 | 62.98 | 62.87 | 62.88 | 62.41  |
| 1967 | 63.46 | 63.44 | 63.38 | 63.28 | 63.16 | 63.12 | 62.96 | 62.78 | 62.36  |
| 1968 | 63.21 | 63.19 | 63.13 | 63.02 | 62.89 | 62.68 | 62.58 | 62.52 | 61.88  |
| 1969 | 63.71 | 63.69 | 63.65 | 63.59 | 63.52 | 63.49 | 63.47 | 63.47 | 63.00  |
| 1970 | 64.48 | 64.41 | 64.38 | 64.34 | 64.24 | 64.14 | 63.97 | 63.83 | 63.12  |
| 1971 | 63.60 | 63.54 | 63.50 | 63.37 | 63.25 | 62.97 | 62.81 | 62.71 | 62.29  |
| 1972 | 63.60 | 63.56 | 63.39 | 63.13 | 63.08 | 62.92 | 62.82 | 62.72 | 62.07  |
| 1973 | 63.24 | 63.23 | 63.21 | 63.15 | 63.08 | 62.99 | 62.83 | 62.57 | 62.18  |
| 1974 | 63.03 | 62.99 | 62.94 | 62.89 | 62.87 | 62.75 | 62.66 | 62.65 | 62.28  |
| 1975 | 63.80 | 63.77 | 63.75 | 63.57 | 63.19 | 62.94 | 62.73 | 62.66 | 62.25  |
| 1976 | 63.80 | 63.75 | 63.72 | 63.58 | 63.46 | 63.31 | 63.27 | 63.20 | 62.49  |
| 1977 | 63.72 | 63.70 | 63.65 | 63.54 | 63.52 | 63.37 | 63.18 | 63.02 | 62.60  |
| 1978 | 63.54 | 63.53 | 63.50 | 63.46 | 63.33 | 63.03 | 62.84 | 62.70 | 62.26  |
| 1979 | 63.16 | 63.12 | 63.09 | 62.98 | 62.86 | 62.80 | 62.52 | 62.31 | 61.99  |

Table 43B. --Lowest Elevations Experienced by Lake Dora for Different Durations

LAKE DORA AT MOUNT DORA, ELEVATION - FT MSL

LOWEST MEAN VALUES FOR THE FOLLOWING NO OF CONSECUTIVE DAYS IN YEAR ENDING SEPT 30

| YEAR | 1     | 7     | 14    | 30    | 60    | 120   | 183   | 274   | 1 YEAR |
|------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 1943 | 61.49 | 61.53 | 61.55 | 61.60 | 61.70 | 61.82 | 61.95 | 62.15 | 62.33  |
| 1944 | 61.60 | 61.61 | 61.65 | 61.68 | 61.72 | 61.90 | 61.99 | 62.09 | 62.30  |
| 1945 | 61.56 | 61.62 | 61.70 | 61.80 | 62.06 | 62.44 | 62.72 | 63.06 | 63.27  |
| 1946 | 62.90 | 62.93 | 62.96 | 63.07 | 63.15 | 63.26 | 63.38 | 63.63 | 63.80  |
| 1947 | 62.07 | 62.09 | 62.13 | 62.16 | 62.20 | 62.37 | 62.47 | 62.56 | 62.70  |
| 1948 | 63.22 | 63.28 | 63.30 | 63.34 | 63.41 | 63.64 | 63.86 | 63.82 | 63.89  |
| 1949 | 62.57 | 62.62 | 62.65 | 62.77 | 62.94 | 63.08 | 63.24 | 63.54 | 63.79  |
| 1950 | 61.84 | 61.88 | 61.89 | 61.99 | 62.07 | 62.25 | 62.50 | 62.89 | 63.30  |
| 1951 | 61.91 | 61.95 | 61.95 | 62.00 | 62.15 | 62.24 | 62.36 | 62.67 | 62.80  |
| 1952 | 62.02 | 62.07 | 62.08 | 62.09 | 62.18 | 62.30 | 62.56 | 62.61 | 62.58  |
| 1953 | 62.21 | 62.23 | 62.26 | 62.31 | 62.40 | 62.49 | 62.56 | 62.58 | 62.74  |
| 1954 | 62.53 | 62.56 | 62.57 | 62.59 | 62.66 | 62.85 | 63.11 | 63.60 | 63.87  |
| 1955 | 61.69 | 61.73 | 61.75 | 61.82 | 61.93 | 61.99 | 62.13 | 62.32 | 62.46  |
| 1956 | 60.69 | 60.74 | 60.75 | 60.80 | 60.92 | 61.08 | 61.28 | 61.56 | 61.70  |
| 1957 | 60.59 | 60.64 | 60.68 | 60.73 | 60.75 | 60.80 | 60.90 | 61.00 | 61.22  |
| 1958 | 61.72 | 61.73 | 61.74 | 61.78 | 62.00 | 62.30 | 62.91 | 63.11 | 62.94  |
| 1959 | 61.61 | 61.81 | 61.88 | 61.94 | 62.18 | 62.51 | 62.85 | 63.28 | 63.41  |
| 1960 | 62.96 | 62.97 | 63.05 | 63.07 | 63.22 | 63.45 | 63.71 | 63.74 | 63.80  |
| 1961 | 61.00 | 61.07 | 61.09 | 61.12 | 61.15 | 61.24 | 61.39 | 61.88 | 62.43  |
| 1962 | 60.93 | 60.96 | 60.99 | 61.01 | 61.11 | 61.19 | 61.29 | 61.35 | 61.40  |
| 1963 | 61.78 | 61.79 | 61.81 | 61.84 | 61.87 | 61.92 | 62.12 | 62.22 | 62.31  |
| 1964 | 62.24 | 62.26 | 62.29 | 62.34 | 62.39 | 62.52 | 62.77 | 62.80 | 62.80  |
| 1965 | 61.84 | 61.88 | 61.89 | 61.95 | 62.04 | 62.26 | 62.48 | 62.52 | 62.64  |
| 1966 | 62.48 | 62.50 | 62.52 | 62.56 | 62.60 | 62.68 | 62.83 | 62.86 | 62.92  |
| 1967 | 61.63 | 61.77 | 61.82 | 61.84 | 61.86 | 62.01 | 62.25 | 62.31 | 62.42  |
| 1968 | 62.05 | 62.07 | 62.14 | 62.23 | 62.32 | 62.39 | 62.39 | 62.52 | 62.77  |
| 1969 | 62.10 | 62.15 | 62.20 | 62.23 | 62.30 | 62.53 | 62.86 | 63.06 | 63.18  |
| 1970 | 62.24 | 62.27 | 62.29 | 62.34 | 62.40 | 62.49 | 62.81 | 63.25 | 63.36  |
| 1971 | 61.90 | 61.94 | 61.96 | 61.98 | 62.04 | 62.18 | 62.32 | 62.56 | 62.55  |
| 1972 | 62.06 | 62.08 | 62.13 | 62.22 | 62.25 | 62.35 | 62.49 | 62.62 | 62.62  |
| 1973 | 61.79 | 61.82 | 61.83 | 61.87 | 61.96 | 62.26 | 62.54 | 62.65 | 62.67  |
| 1974 | 62.09 | 62.13 | 62.17 | 62.24 | 62.29 | 62.48 | 62.55 | 62.54 | 62.66  |
| 1975 | 62.10 | 62.11 | 62.12 | 62.16 | 62.24 | 62.38 | 62.45 | 62.42 | 62.51  |
| 1976 | 62.44 | 62.46 | 62.48 | 62.49 | 62.56 | 62.71 | 62.86 | 62.96 | 63.06  |
| 1977 | 62.16 | 62.21 | 62.24 | 62.25 | 62.28 | 62.37 | 62.52 | 62.84 | 62.84  |
| 1978 | 62.00 | 62.03 | 62.04 | 62.08 | 62.29 | 62.30 | 62.44 | 62.66 | 62.58  |
| 1979 | 61.64 | 61.66 | 61.68 | 61.71 | 61.73 | 61.88 | 62.18 | 62.39 | 62.54  |

Table 44. --Observed Monthly Mean Elevations for Lake Eustis

MONTHLY DATA FOR WATER YEARS -- LAKE EUSTIS AT EUSTIS, ELEVATION- FT MSL

|      | OCT   | NOV   | DEC   | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1943 | 62.53 | 62.12 | 61.97 | 61.90 | 61.69 | 61.64 | 61.36 | 61.19 | 60.90 | 61.28 | 61.87 | 62.19 |
| 1944 | 62.08 | 61.83 | 61.75 | 61.75 | 61.68 | 61.57 | 61.54 | 61.28 | 61.04 | 61.18 | 62.09 | 62.59 |
| 1945 | 62.78 | 63.11 | 62.98 | 63.00 | 62.86 | 62.56 | 62.03 | 61.55 | 61.46 | 62.27 | 62.81 | 63.62 |
| 1946 | 63.95 | 63.74 | 63.55 | 63.61 | 63.42 | 63.44 | 63.08 | 62.84 | 62.80 | 62.64 | 62.86 | 62.97 |
| 1947 | 63.00 | 62.69 | 62.38 | 62.10 | 61.92 | 62.08 | 62.44 | 62.39 | 62.05 | 62.26 | 62.57 | 62.96 |
| 1948 | 63.16 | 63.34 | 63.26 | 63.28 | 63.52 | 63.59 | 63.33 | 62.88 | 62.42 | 62.51 | 63.24 | 63.64 |
| 1949 | 63.95 | 63.79 | 63.76 | 63.51 | 63.24 | 62.79 | 62.68 | 62.26 | 62.04 | 62.23 | 62.75 | 63.87 |
| 1950 | 64.43 | 64.19 | 63.86 | 63.60 | 63.19 | 62.86 | 62.57 | 62.14 | 61.70 | 61.42 | 61.32 | 62.29 |
| 1951 | 62.62 | 62.83 | 62.86 | 63.00 | 62.98 | 62.70 | 62.44 | 61.98 | 61.59 | 61.75 | 61.73 | 61.70 |
| 1952 | 61.85 | 61.80 | 61.90 | 62.05 | 62.20 | 62.40 | 62.51 | 62.15 | 61.98 | 61.92 | 61.67 | 61.51 |
| 1953 | 61.93 | 61.89 | 61.60 | 61.59 | 61.85 | 61.92 | 62.20 | 62.04 | 61.82 | 61.82 | 62.32 | 63.37 |
| 1954 | 64.01 | 64.04 | 64.30 | 64.44 | 64.13 | 63.77 | 63.26 | 62.78 | 62.50 | 62.28 | 62.12 | 61.90 |
| 1955 | 62.08 | 61.88 | 61.81 | 61.70 | 61.68 | 61.46 | 61.36 | 60.95 | 60.53 | 60.60 | 60.54 | 60.56 |
| 1956 | 60.39 | 60.44 | 60.47 | 60.54 | 60.86 | 60.50 | 59.98 | 60.00 | 59.61 | 59.51 | 59.22 | 58.91 |
| 1957 | 59.49 | 60.09 | 60.16 | 60.18 | 60.23 | 60.43 | 60.66 | 60.73 | 60.93 | 61.14 | 61.71 | 62.33 |
| 1958 | 62.53 | 62.30 | 62.30 | 62.65 | 62.70 | 63.13 | 63.52 | 63.06 | 62.50 | 62.44 | 62.13 | 61.74 |
| 1959 | 61.87 | 62.33 | 62.46 | 62.99 | 63.07 | 63.36 | 63.84 | 63.72 | 63.46 | 63.42 | 63.54 | 63.67 |
| 1960 | 63.91 | 63.67 | 63.28 | 62.92 | 63.05 | 63.53 | 64.68 | 64.26 | 63.18 | 62.62 | 62.93 | 63.31 |
| 1961 | 64.18 | 63.75 | 62.87 | 62.25 | 62.02 | 61.77 | 61.58 | 61.39 | 61.13 | 61.18 | 61.24 | 61.60 |
| 1962 | 61.39 | 61.33 | 61.35 | 61.45 | 61.53 | 61.44 | 61.35 | 61.06 | 61.18 | 61.23 | 61.49 | 61.84 |
| 1963 | 62.02 | 61.90 | 61.86 | 61.93 | 62.38 | 62.66 | 62.50 | 62.36 | 62.42 | 62.74 | 62.63 | 62.42 |
| 1964 | 62.43 | 62.39 | 62.49 | 62.92 | 63.13 | 63.10 | 63.06 | 63.04 | 62.55 | 62.46 | 62.77 | 62.73 |
| 1965 | 62.71 | 62.52 | 62.60 | 62.78 | 62.94 | 62.89 | 62.44 | 62.12 | 62.07 | 62.38 | 62.93 | 62.61 |
| 1966 | 62.73 | 62.66 | 62.59 | 62.79 | 63.09 | 63.08 | 62.85 | 62.81 | 62.66 | 62.73 | 62.92 | 62.94 |
| 1967 | 62.81 | 62.57 | 62.28 | 62.41 | 62.69 | 62.88 | 62.61 | 62.06 | 61.88 | 61.97 | 62.39 | 62.74 |
| 1968 | 62.88 | 62.56 | 62.44 | 62.44 | 62.43 | 62.62 | 62.47 | 62.31 | 62.84 | 63.03 | 62.87 | 63.03 |
| 1969 | 63.13 | 63.48 | 63.51 | 63.46 | 63.49 | 63.55 | 63.16 | 62.52 | 62.37 | 62.24 | 62.81 | 63.28 |
| 1970 | 63.33 | 63.38 | 63.52 | 63.74 | 63.89 | 63.87 | 63.46 | 62.50 | 62.41 | 62.30 | 62.44 | 62.52 |
| 1971 | 62.59 | 62.61 | 62.60 | 62.79 | 62.82 | 62.38 | 62.38 | 62.16 | 62.06 | 62.22 | 62.44 | 62.65 |
| 1972 | 62.64 | 62.63 | 62.78 | 62.79 | 63.01 | 63.02 | 62.97 | 62.55 | 62.48 | 62.40 | 62.33 | 62.26 |
| 1973 | 62.03 | 62.07 | 62.51 | 62.85 | 63.23 | 63.02 | 63.08 | 62.88 | 62.94 | 62.93 | 62.84 | 62.65 |
| 1974 | 62.57 | 62.49 | 62.57 | 62.83 | 62.79 | 62.80 | 62.68 | 62.37 | 62.43 | 63.01 | 62.67 | 62.82 |
| 1975 | 62.68 | 62.31 | 62.30 | 62.52 | 62.72 | 62.76 | 62.64 | 62.45 | 62.40 | 62.40 | 62.71 | 62.98 |
| 1976 | 63.10 | 63.34 | 63.19 | 63.31 | 63.31 | 63.23 | 63.16 | 63.18 | 62.76 | 62.59 | 62.53 | 62.76 |
| 1977 | 62.83 | 62.80 | 63.03 | 63.38 | 63.46 | 63.43 | 63.03 | 62.61 | 62.37 | 62.30 | 62.45 | 62.63 |
| 1978 | 62.41 | 62.27 | 62.47 | 62.75 | 63.15 | 63.37 | 62.89 | 62.61 | 62.45 | 62.26 | 62.48 | 62.09 |
| 1979 | 61.86 | 61.76 | 61.80 | 62.34 | 62.63 | 62.98 | 62.81 | 62.98 | 62.73 | 62.69 | 62.96 | 63.30 |
| MEAN | 62.62 | 62.57 | 62.52 | 62.61 | 62.68 | 62.66 | 62.56 | 62.28 | 62.07 | 62.12 | 62.31 | 62.51 |

Table 45A. --Highest Elevations Experienced by Lake Eustis for Different Durations

@@@@ LAKE EUSTIS AT EUSTIS, ELEVATION- FT MSL

HIGHEST MEAN VALUES FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MAY 31

| YEAR | 1     | 7     | 14    | 30    | 60    | 120   | 183   | 274   | 1 YEAR |
|------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 1944 | 62.26 | 62.25 | 62.22 | 62.19 | 62.17 | 62.02 | 61.92 | 61.81 | 61.14  |
| 1945 | 63.20 | 63.18 | 63.17 | 63.15 | 63.10 | 63.03 | 62.90 | 62.66 | 61.97  |
| 1946 | 63.98 | 63.97 | 63.97 | 63.95 | 63.90 | 63.75 | 63.66 | 63.48 | 62.79  |
| 1947 | 63.14 | 63.13 | 63.11 | 63.08 | 62.99 | 62.89 | 62.83 | 62.60 | 62.18  |
| 1948 | 63.66 | 63.65 | 63.64 | 63.60 | 63.56 | 63.43 | 63.38 | 63.25 | 62.49  |
| 1949 | 64.08 | 64.06 | 64.02 | 63.95 | 63.87 | 63.80 | 63.66 | 63.40 | 62.80  |
| 1950 | 64.50 | 64.48 | 64.48 | 64.44 | 64.35 | 64.10 | 63.88 | 63.48 | 62.80  |
| 1951 | 63.10 | 63.09 | 63.07 | 63.02 | 63.00 | 62.92 | 62.84 | 62.62 | 62.00  |
| 1952 | 62.70 | 62.67 | 62.60 | 62.53 | 62.44 | 62.30 | 62.19 | 62.05 | 61.45  |
| 1953 | 62.30 | 62.27 | 62.27 | 62.24 | 62.16 | 62.00 | 61.86 | 61.83 | 61.50  |
| 1954 | 64.54 | 64.53 | 64.52 | 64.48 | 64.39 | 64.23 | 64.12 | 63.77 | 62.98  |
| 1955 | 62.68 | 62.66 | 62.62 | 62.50 | 62.39 | 62.20 | 62.13 | 62.00 | 61.48  |
| 1956 | 60.90 | 60.90 | 60.90 | 60.85 | 60.74 | 60.61 | 60.54 | 60.55 | 59.95  |
| 1957 | 60.82 | 60.81 | 60.78 | 60.74 | 60.70 | 60.51 | 60.39 | 60.08 | 59.60  |
| 1958 | 63.61 | 63.59 | 63.58 | 63.52 | 63.37 | 63.09 | 62.87 | 62.71 | 62.00  |
| 1959 | 64.00 | 64.00 | 63.97 | 63.86 | 63.80 | 63.49 | 63.21 | 62.79 | 62.34  |
| 1960 | 64.84 | 64.75 | 64.72 | 64.70 | 64.53 | 63.87 | 63.61 | 63.66 | 63.09  |
| 1961 | 64.33 | 64.32 | 64.29 | 64.20 | 64.01 | 63.56 | 63.33 | 63.01 | 62.32  |
| 1962 | 63.67 | 61.66 | 61.64 | 61.60 | 61.51 | 61.45 | 61.44 | 61.40 | 61.00  |
| 1963 | 63.67 | 62.76 | 62.73 | 62.67 | 62.60 | 62.48 | 62.28 | 62.15 | 61.60  |
| 1964 | 63.34 | 63.27 | 63.22 | 63.17 | 63.12 | 63.10 | 62.94 | 62.77 | 62.21  |
| 1965 | 63.30 | 63.10 | 63.09 | 63.01 | 62.93 | 62.81 | 62.74 | 62.71 | 62.28  |
| 1966 | 63.39 | 63.35 | 63.31 | 63.19 | 63.09 | 62.96 | 62.86 | 62.81 | 62.37  |
| 1967 | 63.18 | 63.13 | 63.09 | 63.01 | 62.97 | 62.86 | 62.77 | 62.69 | 62.28  |
| 1968 | 63.00 | 62.97 | 62.96 | 62.91 | 62.82 | 62.67 | 62.59 | 62.55 | 61.91  |
| 1969 | 63.70 | 63.66 | 63.62 | 63.55 | 63.52 | 63.51 | 63.46 | 63.29 | 62.82  |
| 1970 | 64.20 | 64.01 | 63.96 | 63.89 | 63.88 | 63.78 | 63.63 | 63.46 | 62.84  |
| 1971 | 63.20 | 63.08 | 62.95 | 62.83 | 62.80 | 62.70 | 62.65 | 62.56 | 62.15  |
| 1972 | 63.50 | 63.41 | 63.24 | 63.09 | 63.08 | 62.95 | 62.86 | 62.77 | 62.13  |
| 1973 | 63.38 | 63.31 | 63.29 | 63.23 | 63.14 | 63.06 | 62.91 | 62.65 | 62.24  |
| 1974 | 63.16 | 63.07 | 63.03 | 62.98 | 62.96 | 62.84 | 62.74 | 62.73 | 62.36  |
| 1975 | 63.38 | 63.30 | 63.24 | 63.08 | 62.86 | 62.82 | 62.66 | 62.65 | 62.26  |
| 1976 | 63.64 | 63.52 | 63.44 | 63.35 | 63.32 | 63.29 | 63.26 | 63.19 | 62.51  |
| 1977 | 63.68 | 63.55 | 63.52 | 63.49 | 63.46 | 63.34 | 63.18 | 63.03 | 62.58  |
| 1978 | 63.54 | 63.49 | 63.47 | 63.42 | 63.30 | 63.03 | 62.86 | 62.72 | 62.29  |
| 1979 | 63.24 | 63.13 | 63.09 | 63.01 | 62.90 | 62.85 | 62.57 | 62.35 | 62.02  |



Table 45B. --Lowest Elevations Experienced by Lake Eustis for  
Different Durations

LAKE EUSTIS AT EUSTIS, ELEVATION- FT MSL

LOWEST MEAN VALUES FOR THE FOLLOWING NO OF CONSECUTIVE DAYS IN YEAR ENDING SEPT 30

| YEAR | 1     | 7     | 14    | 30    | 60    | 120   | 183   | 274   | 1 YEAR |
|------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 1943 | 60.70 | 60.76 | 60.78 | 60.89 | 61.02 | 61.18 | 61.33 | 61.53 | 61.72  |
| 1944 | 60.96 | 60.97 | 60.98 | 61.03 | 61.09 | 61.26 | 61.38 | 61.51 | 61.70  |
| 1945 | 61.24 | 61.25 | 61.26 | 61.28 | 61.48 | 61.81 | 62.09 | 62.39 | 62.58  |
| 1946 | 62.54 | 62.56 | 62.58 | 62.64 | 62.71 | 62.78 | 62.86 | 63.07 | 63.24  |
| 1947 | 61.80 | 61.84 | 61.89 | 61.92 | 61.97 | 62.09 | 62.16 | 62.24 | 62.40  |
| 1948 | 62.26 | 62.28 | 62.31 | 62.35 | 62.45 | 62.73 | 62.99 | 63.11 | 63.18  |
| 1949 | 61.80 | 61.85 | 61.89 | 61.98 | 62.10 | 62.25 | 62.44 | 62.80 | 63.07  |
| 1950 | 61.22 | 61.23 | 61.24 | 61.31 | 61.34 | 61.60 | 61.90 | 62.34 | 62.80  |
| 1951 | 61.52 | 61.53 | 61.54 | 61.58 | 61.67 | 61.69 | 61.86 | 62.21 | 62.35  |
| 1952 | 61.40 | 61.42 | 61.44 | 61.48 | 61.58 | 61.76 | 61.95 | 62.04 | 61.99  |
| 1953 | 61.48 | 61.48 | 61.49 | 61.53 | 61.59 | 61.71 | 61.80 | 61.86 | 62.03  |
| 1954 | 61.78 | 61.81 | 61.84 | 61.90 | 62.01 | 62.19 | 62.47 | 63.02 | 63.29  |
| 1955 | 60.40 | 60.43 | 60.45 | 60.51 | 60.55 | 60.55 | 60.76 | 61.04 | 61.26  |
| 1956 | 58.82 | 58.84 | 58.85 | 58.91 | 59.06 | 59.31 | 59.54 | 59.90 | 60.03  |
| 1957 | 58.84 | 58.93 | 58.98 | 59.47 | 59.78 | 59.97 | 60.10 | 60.32 | 60.67  |
| 1958 | 61.58 | 61.66 | 61.68 | 61.74 | 61.93 | 62.19 | 62.56 | 62.65 | 62.58  |
| 1959 | 61.58 | 61.72 | 61.77 | 61.86 | 62.09 | 62.40 | 62.68 | 63.01 | 63.14  |
| 1960 | 62.42 | 62.46 | 62.50 | 62.61 | 62.77 | 62.99 | 63.40 | 63.36 | 63.44  |
| 1961 | 61.00 | 61.03 | 61.07 | 61.11 | 61.14 | 61.23 | 61.35 | 61.57 | 62.08  |
| 1962 | 60.90 | 60.96 | 60.98 | 61.01 | 61.11 | 61.20 | 61.29 | 61.32 | 61.38  |
| 1963 | 61.80 | 61.82 | 61.83 | 61.84 | 61.87 | 61.92 | 62.12 | 62.22 | 62.32  |
| 1964 | 62.23 | 62.27 | 62.29 | 62.34 | 62.40 | 62.54 | 62.74 | 62.78 | 62.75  |
| 1965 | 61.85 | 61.89 | 61.92 | 61.98 | 62.07 | 62.24 | 62.43 | 62.52 | 62.58  |
| 1966 | 62.42 | 62.49 | 62.53 | 62.57 | 62.62 | 62.68 | 62.82 | 62.80 | 62.82  |
| 1967 | 61.74 | 61.82 | 61.85 | 61.88 | 61.90 | 62.05 | 62.27 | 62.34 | 62.44  |
| 1968 | 62.08 | 62.14 | 62.22 | 62.29 | 62.38 | 62.45 | 62.45 | 62.55 | 62.66  |
| 1969 | 62.12 | 62.18 | 62.21 | 62.24 | 62.30 | 62.46 | 62.73 | 62.99 | 63.08  |
| 1970 | 62.18 | 62.23 | 62.25 | 62.27 | 62.33 | 62.39 | 62.60 | 63.01 | 63.11  |
| 1971 | 61.98 | 62.00 | 62.04 | 62.06 | 62.11 | 62.20 | 62.27 | 62.42 | 62.47  |
| 1972 | 62.00 | 62.11 | 62.16 | 62.26 | 62.30 | 62.37 | 62.50 | 62.65 | 62.65  |
| 1973 | 61.86 | 61.91 | 61.91 | 61.95 | 62.04 | 62.35 | 62.61 | 62.73 | 62.75  |
| 1974 | 62.06 | 62.12 | 62.17 | 62.27 | 62.34 | 62.56 | 62.64 | 62.62 | 62.67  |
| 1975 | 62.14 | 62.19 | 62.21 | 62.23 | 62.29 | 62.44 | 62.53 | 62.50 | 62.57  |
| 1976 | 62.42 | 62.48 | 62.51 | 62.52 | 62.53 | 62.65 | 62.83 | 62.98 | 63.04  |
| 1977 | 62.20 | 62.25 | 62.28 | 62.29 | 62.32 | 62.41 | 62.56 | 62.85 | 62.86  |
| 1978 | 61.90 | 62.01 | 62.02 | 62.09 | 62.28 | 62.32 | 62.46 | 62.67 | 62.60  |
| 1979 | 61.68 | 61.72 | 61.74 | 61.76 | 61.77 | 61.92 | 62.23 | 62.43 | 62.57  |

Table 46. --Observed Monthly Mean Elevations for Lake Yale

MONTHLY DATA FOR WATER YEARS - LAKE YALE GAGING STA NR LEESBURG, ELEVATION - FT MSL

|      | OCT   | NOV   | DEC   | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1960 | 60.76 | 60.43 | 60.05 | 59.89 | 59.98 | 60.51 | 60.68 | 60.29 | 60.11 | 60.08 | 60.41 | 60.75 |
| 1961 | 61.04 | 60.56 | 60.15 | 59.97 | 59.82 | 59.32 | 58.85 | 58.25 | 57.73 | 57.51 | 57.41 | 57.81 |
| 1962 | 57.61 | 57.47 | 57.41 | 57.49 | 57.61 | 57.58 | 57.43 | 57.31 | 57.42 | 57.58 | 58.14 | 58.80 |
| 1963 | 59.28 | 59.11 | 59.00 | 59.22 | 59.53 | 59.41 | 59.06 | 58.79 | 58.63 | 58.80 | 58.84 | 58.68 |
| 1964 | 58.51 | 58.31 | 58.39 | 58.88 | 59.53 | 59.80 | 59.91 | 59.79 | 59.52 | 59.54 | 59.81 | 60.15 |
| 1965 | 60.11 | 59.90 | 59.99 | 60.17 | 60.41 | 60.43 | 60.20 | 59.89 | 59.77 | 59.98 | 60.46 | 60.23 |
| 1966 | 60.09 | 59.92 | 59.90 | 60.09 | 60.32 | 60.48 | 60.36 | 60.30 | 60.42 | 60.54 | 60.86 | 60.73 |
| 1967 | 60.61 | 60.27 | 60.09 | 60.19 | 60.34 | 60.31 | 60.01 | 59.55 | 59.62 | 59.95 | 60.22 | 60.57 |
| 1968 | 60.34 | 59.98 | 59.89 | 59.87 | 59.81 | 59.88 | 59.61 | 59.28 | 59.66 | 59.98 | 59.95 | 60.19 |
| 1969 | 60.09 | 60.13 | 59.97 | 60.02 | 60.06 | 60.19 | 60.11 | 59.83 | 59.58 | 59.51 | 60.08 | 60.55 |
| 1970 | 60.84 | 60.53 | 60.37 | 60.50 | 60.76 | 60.63 | 60.40 | 59.78 | 59.43 | 59.21 | 59.29 | 59.34 |
| 1971 | 59.06 | 58.88 | 58.72 | 58.88 | 59.22 | 59.16 | 59.08 | 58.90 | 58.78 | 59.14 | 59.32 | 59.33 |
| 1972 | 59.28 | 59.30 | 59.46 | 59.48 | 59.76 | 59.89 | 60.10 | 59.83 | 59.75 | 59.72 | 59.50 | 59.43 |
| 1973 | 59.45 | 59.40 | 59.78 | 60.05 | 60.38 | 60.40 | 60.46 | 60.23 | 60.10 | 60.13 | 60.08 | 60.17 |
| 1974 | 59.99 | 59.63 | 59.67 | 59.95 | 59.82 | 59.77 | 59.71 | 59.55 | 59.71 | 60.34 | 60.33 | 60.27 |
| 1975 | 59.88 | 59.52 | 59.41 | 59.61 | 59.76 | 59.70 | 59.70 | 59.63 | 59.48 | 59.29 | 59.42 | 59.84 |
| 1976 | 59.79 | 59.73 | 59.62 | 59.70 | 59.70 | 59.61 | 59.50 | 59.62 | 60.28 | 60.35 | 59.98 | 59.86 |
| 1977 | 59.64 | 59.43 | 59.58 | 59.90 | 60.04 | 60.07 | 59.70 | 59.26 | 59.21 | 59.10 | 59.16 | 59.21 |
| 1978 | 58.98 | 58.73 | 58.86 | 59.14 | 59.61 | 60.13 | 59.77 | 59.60 | 59.65 | 59.75 | 60.05 | 59.88 |
| 1979 | 59.50 | 59.18 | 59.17 | 59.51 | 59.80 | 60.09 | 59.79 | 60.20 | 60.21 | 60.02 | 59.99 | 60.56 |
| MEAN | 59.74 | 59.52 | 59.47 | 59.62 | 59.81 | 59.87 | 59.72 | 59.49 | 59.45 | 59.53 | 59.66 | 59.82 |

Table 47. --Highest and Lowest Elevations Experienced by Lake Yale for Different Durations

@@@@ LAKE YALE GAGING STA NR LEESBURG, ELEVATION - FT MSL

HIGHEST MEAN VALUES FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MAY 31

| YEAR | 1     | 7     | 14    | 30    | 60    | 120   | 183   | 274   | 1 YEAR |
|------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 1961 | 61.29 | 61.25 | 61.18 | 61.07 | 60.96 | 60.70 | 60.50 | 60.32 | 59.46  |
| 1962 | 57.93 | 57.88 | 57.86 | 57.81 | 57.72 | 57.61 | 57.59 | 57.56 | 57.05  |
| 1963 | 59.67 | 59.59 | 59.56 | 59.54 | 59.49 | 59.30 | 59.25 | 59.12 | 58.29  |
| 1964 | 60.10 | 60.03 | 60.00 | 59.95 | 59.90 | 59.75 | 59.35 | 59.07 | 58.51  |
| 1965 | 60.60 | 60.49 | 60.48 | 60.45 | 60.42 | 60.29 | 60.18 | 60.13 | 59.67  |
| 1966 | 60.68 | 60.64 | 60.60 | 60.53 | 60.46 | 60.36 | 60.23 | 60.20 | 59.82  |
| 1967 | 61.00 | 60.95 | 60.95 | 60.87 | 60.80 | 60.69 | 60.57 | 60.45 | 59.99  |
| 1968 | 60.77 | 60.74 | 60.68 | 60.60 | 60.52 | 60.29 | 60.16 | 60.06 | 59.43  |
| 1969 | 60.33 | 60.31 | 60.29 | 60.20 | 60.15 | 60.10 | 60.09 | 60.07 | 59.68  |
| 1970 | 61.10 | 61.04 | 60.97 | 60.85 | 60.75 | 60.59 | 60.62 | 60.51 | 59.96  |
| 1971 | 59.59 | 59.56 | 59.51 | 59.43 | 59.32 | 59.32 | 59.20 | 59.11 | 58.77  |
| 1972 | 60.30 | 60.26 | 60.22 | 60.10 | 59.99 | 59.88 | 59.74 | 59.59 | 58.98  |
| 1973 | 60.62 | 60.57 | 60.53 | 60.48 | 60.43 | 60.36 | 60.20 | 59.94 | 59.54  |
| 1974 | 60.23 | 60.21 | 60.19 | 60.17 | 60.13 | 60.12 | 60.02 | 59.95 | 59.55  |
| 1975 | 60.45 | 60.44 | 60.40 | 60.35 | 60.34 | 60.24 | 60.01 | 59.88 | 59.50  |
| 1976 | 60.08 | 60.02 | 59.87 | 59.84 | 59.82 | 59.75 | 59.73 | 59.68 | 59.12  |
| 1977 | 60.50 | 60.48 | 60.45 | 60.41 | 60.32 | 60.12 | 59.92 | 59.89 | 59.51  |
| 1978 | 60.24 | 60.20 | 60.19 | 60.13 | 59.98 | 59.77 | 59.50 | 59.33 | 58.96  |
| 1979 | 60.45 | 60.40 | 60.37 | 60.23 | 60.01 | 59.97 | 59.75 | 59.68 | 59.39  |

@@@@ LAKE YALE GAGING STA NR LEESBURG, ELEVATION - FT MSL

LOWEST MEAN VALUES FOR THE FOLLOWING NO OF CONSECUTIVE DAYS IN YEAR ENDING SEPT 30

| YEAR | 1     | 7     | 14    | 30    | 60    | 120   | 183   | 274   | 1 YEAR |
|------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 1960 | 59.74 | 59.75 | 59.80 | 59.87 | 59.92 | 60.02 | 60.23 | 60.22 | 60.33  |
| 1961 | 57.30 | 57.31 | 57.32 | 57.37 | 57.45 | 57.60 | 57.92 | 58.51 | 59.03  |
| 1962 | 57.23 | 57.27 | 57.28 | 57.31 | 57.33 | 57.43 | 57.47 | 57.47 | 57.65  |
| 1963 | 58.46 | 58.50 | 58.54 | 58.62 | 58.68 | 58.74 | 58.80 | 58.99 | 59.03  |
| 1964 | 58.24 | 58.26 | 58.29 | 58.30 | 58.34 | 58.51 | 58.90 | 59.18 | 59.34  |
| 1965 | 59.60 | 59.64 | 59.67 | 59.73 | 59.78 | 59.95 | 60.09 | 60.07 | 60.13  |
| 1966 | 59.77 | 59.79 | 59.82 | 59.86 | 59.91 | 59.99 | 60.13 | 60.21 | 60.33  |
| 1967 | 59.41 | 59.44 | 59.44 | 59.48 | 59.58 | 59.76 | 59.93 | 60.02 | 60.14  |
| 1968 | 59.18 | 59.22 | 59.25 | 59.26 | 59.38 | 59.60 | 59.68 | 59.77 | 59.87  |
| 1969 | 59.40 | 59.43 | 59.45 | 59.47 | 59.54 | 59.72 | 59.87 | 59.92 | 60.01  |
| 1970 | 59.09 | 59.11 | 59.13 | 59.15 | 59.23 | 59.31 | 59.57 | 59.92 | 60.09  |
| 1971 | 58.66 | 58.69 | 58.70 | 58.72 | 58.77 | 58.87 | 58.98 | 58.96 | 59.04  |
| 1972 | 59.10 | 59.15 | 59.17 | 59.28 | 59.29 | 59.37 | 59.52 | 59.65 | 59.62  |
| 1973 | 59.27 | 59.30 | 59.31 | 59.34 | 59.42 | 59.66 | 59.91 | 60.02 | 60.05  |
| 1974 | 59.35 | 59.38 | 59.44 | 59.53 | 59.57 | 59.67 | 59.74 | 59.76 | 59.90  |
| 1975 | 59.18 | 59.22 | 59.24 | 59.29 | 59.33 | 59.45 | 59.53 | 59.55 | 59.60  |
| 1976 | 59.34 | 59.39 | 59.40 | 59.43 | 59.49 | 59.59 | 59.61 | 59.73 | 59.81  |
| 1977 | 59.01 | 59.04 | 59.06 | 59.09 | 59.13 | 59.16 | 59.27 | 59.51 | 59.52  |
| 1978 | 58.63 | 58.64 | 58.67 | 58.73 | 58.78 | 58.92 | 59.24 | 59.38 | 59.51  |
| 1979 | 59.05 | 59.07 | 59.11 | 59.14 | 59.17 | 59.33 | 59.54 | 59.72 | 59.83  |

Table 48. --Observed Monthly Mean Elevations for Lake Griffin

MONTHLY DATA FOR WATER YEARS - LAKE GRIFFIN NR LEESBURG - ELEVATION, FT MSL

|      | OCT   | NOV   | DEC   | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1956 | 57.61 | 57.94 | 58.26 | 58.32 | 58.53 | 58.33 | 58.30 | 58.48 | 58.07 | 58.34 | 58.19 | 57.95 |
| 1957 | 57.95 | 57.80 | 57.31 | 56.93 | 56.84 | 56.99 | 57.23 | 57.19 | 57.40 | 57.42 | 57.78 | 58.71 |
| 1958 | 58.95 | 58.36 | 57.66 | 57.40 | 58.26 | 59.87 | 60.09 | 59.66 | 58.68 | 58.49 | 58.41 | 58.04 |
| 1959 | 57.83 | 58.32 | 58.26 | 58.76 | 58.94 | 59.44 | 59.85 | 59.73 | 59.89 | 59.98 | 59.90 | 59.99 |
| 1960 | 59.96 | 59.55 | 59.10 | 58.61 | 58.70 | 59.76 | 60.27 | 60.09 | 59.90 | 59.82 | 60.24 | 60.31 |
| 1961 | 60.52 | 60.19 | 59.74 | 59.24 | 58.92 | 58.82 | 58.39 | 57.86 | 57.41 | 57.12 | 56.94 | 57.14 |
| 1962 | 57.07 | 57.15 | 57.26 | 57.36 | 57.52 | 57.49 | 57.40 | 57.21 | 57.27 | 57.41 | 57.60 | 57.95 |
| 1963 | 57.92 | 57.69 | 57.61 | 57.89 | 58.39 | 58.62 | 58.18 | 57.77 | 57.70 | 57.93 | 58.25 | 58.12 |
| 1964 | 57.80 | 57.71 | 57.94 | 58.48 | 58.78 | 58.36 | 58.33 | 57.72 | 57.52 | 57.55 | 58.09 | 59.21 |
| 1965 | 58.66 | 58.37 | 58.58 | 58.59 | 58.50 | 58.51 | 58.32 | 57.79 | 57.66 | 57.96 | 59.06 | 59.28 |
| 1966 | 58.60 | 58.18 | 58.08 | 58.40 | 58.57 | 58.82 | 58.53 | 58.16 | 58.77 | 58.73 | 59.03 | 58.88 |
| 1967 | 58.74 | 57.73 | 57.96 | 58.08 | 58.22 | 58.19 | 57.75 | 57.37 | 57.27 | 57.64 | 58.05 | 58.24 |
| 1968 | 58.13 | 58.05 | 58.15 | 58.14 | 58.10 | 58.18 | 57.80 | 57.62 | 58.23 | 59.28 | 59.24 | 59.33 |
| 1969 | 59.11 | 59.09 | 59.33 | 59.31 | 59.49 | 59.55 | 58.98 | 58.45 | 58.03 | 57.92 | 58.62 | 59.26 |
| 1970 | 59.57 | 59.32 | 59.37 | 59.76 | 60.15 | 59.94 | 59.55 | 58.50 | 58.46 | 58.40 | 58.53 | 58.61 |
| 1971 | 58.61 | 58.58 | 58.49 | 58.76 | 58.88 | 58.57 | 58.70 | 58.84 | 58.54 | 58.71 | 58.49 | 58.69 |
| 1972 | 58.74 | 58.81 | 58.86 | 58.62 | 58.88 | 58.74 | 59.02 | 58.78 | 58.73 | 58.48 | 58.58 | 58.71 |
| 1973 | 58.82 | 58.92 | 59.24 | 59.33 | 56.67 | 55.85 | 57.10 | 56.95 | 57.11 | 57.47 | 57.50 | 57.52 |
| 1974 | 57.43 | 57.48 | 57.58 | 57.50 | 57.45 | 57.46 | 57.34 | 57.21 | 57.63 | 58.09 | 57.93 | 57.52 |
| 1975 | 57.41 | 57.96 | 57.99 | 57.98 | 57.97 | 57.86 | 58.08 | 58.23 | 58.41 | 58.42 | 58.39 | 58.71 |
| 1976 | 59.08 | 59.16 | 59.05 | 59.04 | 58.97 | 58.92 | 58.75 | 58.98 | 58.75 | 58.48 | 58.38 | 58.84 |
| 1977 | 58.92 | 58.87 | 59.04 | 59.23 | 59.15 | 59.03 | 58.61 | 58.10 | 58.12 | 58.09 | 58.17 | 58.26 |
| 1978 | 58.17 | 57.96 | 58.10 | 58.40 | 58.91 | 58.88 | 58.80 | 58.72 | 58.57 | 58.16 | 58.22 | 58.36 |
| 1979 | 58.07 | 57.72 | 57.77 | 58.17 | 58.56 | 58.85 | 58.64 | 58.61 | 58.49 | 58.51 | 58.51 | 58.85 |
| MEAN | 58.49 | 58.37 | 58.36 | 58.43 | 58.47 | 58.54 | 58.50 | 58.25 | 58.19 | 58.26 | 58.42 | 58.60 |

Table 49. --Highest and Lowest Elevations Experienced by Lake Griffin for Different Durations

LAKE GRIFFIN NR LEESBURG - ELEVATION, FT MSL

HIGHEST MEAN VALUES FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MAY 31

| YEAR | 1     | 7     | 14    | 30    | 60    | 120   | 183   | 274   | 1 YEAR |
|------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 1956 | 58.87 | 58.75 | 58.65 | 58.58 | 58.47 | 58.43 | 58.37 | 58.16 | 57.59  |
| 1957 | 58.42 | 58.37 | 58.36 | 58.35 | 58.27 | 58.14 | 58.05 | 57.71 | 57.26  |
| 1958 | 60.29 | 60.21 | 60.17 | 60.13 | 60.01 | 59.45 | 58.79 | 58.75 | 58.13  |
| 1959 | 59.99 | 59.93 | 59.90 | 59.86 | 59.79 | 59.47 | 59.13 | 58.78 | 58.39  |
| 1960 | 60.45 | 60.39 | 60.36 | 60.32 | 60.26 | 59.96 | 59.88 | 59.56 | 59.16  |
| 1961 | 60.74 | 60.71 | 60.64 | 60.53 | 60.46 | 60.32 | 60.16 | 59.88 | 59.18  |
| 1962 | 59.95 | 57.58 | 57.55 | 57.53 | 57.50 | 57.44 | 57.38 | 57.29 | 56.94  |
| 1963 | 59.95 | 58.69 | 58.67 | 58.63 | 58.52 | 58.25 | 58.07 | 58.00 | 57.54  |
| 1964 | 59.02 | 58.96 | 58.90 | 58.80 | 58.65 | 58.48 | 58.27 | 58.19 | 57.61  |
| 1965 | 59.68 | 59.64 | 59.53 | 59.28 | 58.94 | 58.70 | 58.65 | 58.53 | 57.98  |
| 1966 | 59.58 | 59.53 | 59.49 | 59.39 | 59.20 | 58.83 | 58.60 | 58.61 | 58.12  |
| 1967 | 59.35 | 59.26 | 59.18 | 59.05 | 58.95 | 58.93 | 58.65 | 58.47 | 57.97  |
| 1968 | 58.34 | 58.31 | 58.28 | 58.26 | 58.24 | 58.15 | 58.15 | 58.09 | 57.47  |
| 1969 | 59.74 | 59.69 | 59.63 | 59.55 | 59.51 | 59.41 | 59.31 | 59.31 | 58.78  |
| 1970 | 60.31 | 60.27 | 60.23 | 60.14 | 60.04 | 59.86 | 59.69 | 59.50 | 58.82  |
| 1971 | 59.30 | 59.19 | 59.05 | 58.95 | 58.83 | 58.77 | 58.70 | 58.67 | 58.29  |
| 1972 | 59.30 | 59.24 | 59.22 | 59.02 | 58.90 | 58.85 | 58.82 | 58.78 | 58.25  |
| 1973 | 59.52 | 59.44 | 59.42 | 59.34 | 59.29 | 59.08 | 58.94 | 58.62 | 57.82  |
| 1974 | 58.78 | 57.68 | 57.65 | 57.59 | 57.55 | 57.51 | 57.51 | 57.49 | 57.11  |
| 1975 | 58.78 | 58.59 | 58.52 | 58.37 | 58.18 | 58.05 | 58.03 | 57.89 | 57.57  |
| 1976 | 59.44 | 59.36 | 59.26 | 59.17 | 59.13 | 59.09 | 59.04 | 58.96 | 58.34  |
| 1977 | 59.35 | 59.30 | 59.29 | 59.23 | 59.19 | 59.12 | 59.04 | 58.89 | 58.46  |
| 1978 | 59.28 | 59.18 | 59.07 | 59.05 | 58.92 | 58.83 | 58.62 | 58.46 | 58.06  |
| 1979 | 59.25 | 58.92 | 58.92 | 58.87 | 58.75 | 58.67 | 58.41 | 58.30 | 57.99  |

LAKE GRIFFIN NR LEESBURG - ELEVATION, FT MSL

LOWEST MEAN VALUES FOR THE FOLLOWING NO OF CONSECUTIVE DAYS IN YEAR ENDING SEPT 30

| YEAR | 1     | 7     | 14    | 30    | 60    | 120   | 183   | 274   | 1 YEAR |
|------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 1956 | 57.51 | 57.54 | 57.56 | 57.61 | 57.77 | 58.02 | 58.16 | 58.20 | 58.19  |
| 1957 | 56.67 | 56.76 | 56.81 | 56.84 | 56.87 | 57.00 | 57.08 | 57.22 | 57.46  |
| 1958 | 57.15 | 57.24 | 57.25 | 57.33 | 57.51 | 57.91 | 58.43 | 58.71 | 58.66  |
| 1959 | 57.57 | 57.65 | 57.74 | 57.83 | 58.07 | 58.28 | 58.59 | 59.00 | 59.24  |
| 1960 | 58.17 | 58.22 | 58.27 | 58.42 | 58.64 | 58.92 | 59.28 | 59.53 | 59.69  |
| 1961 | 56.82 | 56.83 | 56.86 | 56.92 | 57.00 | 57.14 | 57.47 | 57.98 | 58.52  |
| 1962 | 57.00 | 57.02 | 57.04 | 57.06 | 57.11 | 57.21 | 57.31 | 57.30 | 57.39  |
| 1963 | 57.55 | 57.56 | 57.57 | 57.59 | 57.65 | 57.77 | 57.99 | 57.96 | 58.00  |
| 1964 | 57.34 | 57.39 | 57.41 | 57.49 | 57.50 | 57.68 | 57.92 | 58.04 | 58.12  |
| 1965 | 57.47 | 57.51 | 57.52 | 57.57 | 57.66 | 57.92 | 58.12 | 58.25 | 58.44  |
| 1966 | 57.68 | 57.71 | 57.72 | 57.85 | 58.10 | 58.29 | 58.40 | 58.46 | 58.56  |
| 1967 | 57.12 | 57.14 | 57.17 | 57.20 | 57.32 | 57.49 | 57.71 | 57.79 | 57.94  |
| 1968 | 57.39 | 57.44 | 57.49 | 57.58 | 57.69 | 57.91 | 57.99 | 58.04 | 58.35  |
| 1969 | 57.77 | 57.81 | 57.82 | 57.85 | 57.97 | 58.21 | 58.54 | 58.84 | 58.92  |
| 1970 | 58.24 | 58.28 | 58.30 | 58.38 | 58.41 | 58.45 | 58.67 | 59.09 | 59.17  |
| 1971 | 58.13 | 58.25 | 58.33 | 58.44 | 58.52 | 58.60 | 58.64 | 58.66 | 58.65  |
| 1972 | 58.34 | 58.44 | 58.45 | 58.48 | 58.51 | 58.62 | 58.71 | 58.72 | 58.74  |
| 1973 | 55.36 | 55.41 | 55.45 | 55.58 | 56.11 | 56.58 | 56.85 | 57.29 | 57.71  |
| 1974 | 56.70 | 56.80 | 56.97 | 57.21 | 57.27 | 57.36 | 57.42 | 57.45 | 57.55  |
| 1975 | 57.36 | 57.36 | 57.37 | 57.40 | 57.68 | 57.83 | 57.86 | 57.99 | 58.12  |
| 1976 | 58.28 | 58.31 | 58.33 | 58.35 | 58.40 | 58.60 | 58.69 | 58.79 | 58.87  |
| 1977 | 57.84 | 57.89 | 57.91 | 58.00 | 58.06 | 58.11 | 58.22 | 58.53 | 58.63  |
| 1978 | 57.86 | 57.87 | 57.89 | 57.95 | 58.01 | 58.15 | 58.40 | 58.49 | 58.43  |
| 1979 | 57.56 | 57.58 | 57.62 | 57.68 | 57.74 | 57.92 | 58.19 | 58.32 | 58.39  |

Table 50. --Observed Monthly Mean Elevations for Lake Weir

MONTHLY DATA FOR WATER YEARS - LAKE WEIR AT OKLWAHA - ELEVATION, FT MSL

|      | OCT   | NOV   | DEC   | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1943 | 57.34 | 57.15 | 57.06 | 57.06 | 56.91 | 56.89 | 56.74 | 56.51 | 56.29 | 56.51 | 57.03 | 57.49 |
| 1944 | 57.34 | 57.04 | 56.88 | 56.92 | 56.91 | 56.97 | 57.33 | 57.25 | 57.34 | 57.50 | 57.62 | 57.54 |
| 1945 | 57.43 | 57.49 | 57.16 | 57.27 | 57.24 | 57.04 | 56.64 | 56.16 | 56.08 | 56.75 | 57.22 | 57.59 |
| 1946 | 57.56 | 57.33 | 57.23 | 57.49 | 57.48 | 57.94 | 57.84 | 57.90 | 57.79 | 57.74 | 57.80 | 57.85 |
| 1947 | 57.73 | 57.48 | 57.23 | 57.09 | 57.04 | 57.33 | 57.53 | 57.31 | 57.46 | 57.88 | 58.19 | 58.30 |
| 1948 | 58.28 | 58.20 | 57.96 | 57.90 | 57.99 | 57.97 | 57.85 | 57.43 | 57.06 | 57.27 | 58.12 | 58.12 |
| 1949 | 58.15 | 57.85 | 57.79 | 57.62 | 57.60 | 57.31 | 57.37 | 57.10 | 57.10 | 57.63 | 57.99 | 58.33 |
| 1950 | 58.31 | 57.93 | 57.76 | 57.66 | 57.46 | 57.36 | 57.13 | 56.80 | 56.62 | 56.63 | 56.69 | 57.42 |
| 1951 | 57.55 | 57.49 | 57.31 | 57.44 | 57.45 | 57.37 | 57.25 | 56.91 | 56.72 | 56.94 | 57.01 | 56.96 |
| 1952 | 57.11 | 57.04 | 57.10 | 57.03 | 57.20 | 57.50 | 57.54 | 57.28 | 57.22 | 57.30 | 57.26 | 57.21 |
| 1953 | 57.37 | 57.26 | 57.06 | 57.04 | 57.14 | 57.09 | 57.15 | 57.04 | 57.00 | 57.03 | 57.19 | 57.68 |
| 1954 | 57.84 | 57.67 | 57.87 | 58.10 | 57.97 | 57.86 | 57.70 | 57.44 | 57.31 | 57.46 | 57.42 | 57.29 |
| 1955 | 57.36 | 57.11 | 56.99 | 56.91 | 56.94 | 56.83 | 56.77 | 56.42 | 56.12 | 56.29 | 56.31 | 56.14 |
| 1956 | 55.78 | 55.58 | 55.37 | 55.24 | 55.39 | 55.16 | 54.84 | 54.85 | 54.66 | 54.60 | 54.39 | 54.25 |
| 1957 | 54.25 | 54.18 | 53.94 | 53.76 | 53.65 | 53.59 | 53.66 | 53.61 | 53.86 | 53.81 | 54.16 | 54.35 |
| 1958 | 54.39 | 54.04 | 53.87 | 54.02 | 54.12 | 54.67 | 54.86 | 54.73 | 54.59 | 54.92 | 55.15 | 55.10 |
| 1959 | 55.16 | 55.64 | 55.51 | 55.66 | 55.75 | 56.22 | 56.86 | 56.91 | 57.11 | 57.56 | 57.78 | 58.02 |
| 1960 | 58.08 | 57.98 | 57.78 | 57.73 | 57.82 | 58.29 | 58.55 | 58.18 | 58.08 | 58.46 | 58.91 | 59.25 |
| 1961 | 59.23 | 58.62 | 58.20 | 58.08 | 58.15 | 58.00 | 57.79 | 57.55 | 57.32 | 57.26 | 57.18 | 57.54 |
| 1962 | 57.23 | 56.99 | 56.82 | 56.71 | 56.68 | 56.47 | 56.29 | 55.90 | 55.79 | 55.96 | 56.12 | 56.22 |
| 1963 | 56.04 | 55.79 | 55.62 | 55.76 | 55.98 | 56.14 | 55.89 | 55.53 | 55.30 | 55.26 | 55.45 | 55.41 |
| 1964 | 55.32 | 55.09 | 54.98 | 55.38 | 55.80 | 55.90 | 55.99 | 56.21 | 55.84 | 56.27 | 56.82 | 57.25 |
| 1965 | 57.18 | 56.96 | 57.09 | 57.21 | 57.32 | 57.38 | 57.21 | 56.89 | 56.77 | 57.26 | 57.98 | 57.76 |
| 1966 | 57.90 | 57.70 | 57.66 | 57.66 | 57.71 | 57.87 | 57.81 | 57.60 | 57.87 | 57.90 | 58.03 | 57.93 |
| 1967 | 57.92 | 57.53 | 57.27 | 57.26 | 57.30 | 57.21 | 56.90 | 56.47 | 56.40 | 56.81 | 57.10 | 57.33 |
| 1968 | 56.97 | 56.55 | 56.40 | 56.25 | 56.12 | 56.23 | 56.07 | 55.89 | 56.30 | 56.83 | 57.01 | 57.68 |
| 1969 | 57.71 | 57.81 | 57.64 | 57.66 | 57.68 | 57.81 | 57.76 | 57.43 | 57.12 | 56.94 | 57.09 | 57.28 |
| 1970 | 57.28 | 57.28 | 57.30 | 57.52 | 57.77 | 57.90 | 58.10 | 57.75 | 57.62 | 57.54 | 57.83 | 58.05 |
| 1971 | 57.85 | 57.51 | 57.28 | 57.27 | 57.49 | 57.42 | 57.34 | 57.12 | 57.00 | 57.30 | 57.56 | 57.66 |
| 1972 | 57.46 | 57.24 | 57.21 | 57.11 | 57.23 | 57.19 | 57.35 | 57.08 | 57.03 | 57.16 | 57.18 | 57.04 |
| 1973 | 56.63 | 56.43 | 56.55 | 56.72 | 56.88 | 56.95 | 57.01 | 56.77 | 56.93 | 57.18 | 57.56 | 57.73 |
| 1974 | 57.47 | 57.09 | 56.99 | 57.08 | 56.90 | 56.82 | 56.78 | 56.52 | 56.64 | 57.47 | 57.73 | 57.74 |
| 1975 | 57.35 | 57.00 | 56.78 | 56.79 | 56.91 | 56.82 | 56.64 | 56.42 | 56.38 | 56.46 | 56.52 | 56.81 |
| 1976 | 56.81 | 56.56 | 56.34 | 56.29 | 56.18 | 55.93 | 55.71 | 55.99 | 56.50 | 56.74 | 56.57 | 57.08 |
| 1977 | 57.09 | 56.87 | 57.07 | 57.37 | 57.44 | 57.54 | 57.20 | 56.71 | 56.40 | 56.33 | 56.74 | 56.77 |
| 1978 | 56.53 | 56.26 | 56.41 | 56.59 | 56.89 | 57.45 | 57.20 | 57.15 | 57.09 | 57.32 | 57.68 | 57.58 |
| 1979 | 57.25 | 56.90 | 56.79 | 56.91 | 56.97 | 57.04 | 56.82 | 57.09 | 56.97 | 56.94 | 56.84 | 57.08 |
| MEAN | 57.14 | 56.94 | 56.82 | 56.85 | 56.90 | 56.96 | 56.90 | 56.70 | 56.64 | 56.84 | 57.06 | 57.21 |

Table 51A. --Highest Elevations Experienced by Lake WEir for  
Different Durations

@@@@ LAKE WEIR AT OKLWAHA - ELEVATION, FT MSL

HIGHEST MEAN VALUES FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MAY 31

| YEAR | 1     | 7     | 14    | 30    | 60    | 120   | 183   | 274   | 1 YEAR |
|------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 1944 | 57.63 | 57.60 | 57.55 | 57.50 | 57.45 | 57.26 | 57.13 | 57.13 | 56.53  |
| 1945 | 57.76 | 57.72 | 57.68 | 57.63 | 57.59 | 57.53 | 57.49 | 57.40 | 56.89  |
| 1946 | 58.02 | 58.00 | 57.97 | 57.94 | 57.88 | 57.78 | 57.63 | 57.59 | 57.05  |
| 1947 | 57.95 | 57.94 | 57.92 | 57.87 | 57.83 | 57.79 | 57.73 | 57.53 | 57.18  |
| 1948 | 58.44 | 58.41 | 58.37 | 58.31 | 58.29 | 58.25 | 58.14 | 58.08 | 57.48  |
| 1949 | 58.34 | 58.31 | 58.28 | 58.19 | 58.18 | 58.07 | 57.95 | 57.79 | 57.30  |
| 1950 | 58.44 | 58.42 | 58.40 | 58.37 | 58.34 | 58.16 | 58.00 | 57.83 | 57.31  |
| 1951 | 57.83 | 57.80 | 57.77 | 57.66 | 57.55 | 57.47 | 57.46 | 57.35 | 56.86  |
| 1952 | 57.71 | 57.69 | 57.65 | 57.58 | 57.52 | 57.37 | 57.26 | 57.19 | 56.64  |
| 1953 | 57.49 | 57.46 | 57.44 | 57.38 | 57.34 | 57.29 | 57.27 | 57.21 | 56.87  |
| 1954 | 58.13 | 58.12 | 58.11 | 58.11 | 58.06 | 57.96 | 57.89 | 57.79 | 57.29  |
| 1955 | 57.58 | 57.54 | 57.50 | 57.48 | 57.45 | 57.39 | 57.33 | 57.20 | 56.76  |
| 1956 | 56.41 | 56.38 | 56.36 | 56.34 | 56.30 | 56.22 | 56.04 | 55.80 | 55.14  |
| 1957 | 54.82 | 54.77 | 54.73 | 54.66 | 54.64 | 54.48 | 54.39 | 54.19 | 53.76  |
| 1958 | 54.94 | 54.93 | 54.90 | 54.87 | 54.81 | 54.59 | 54.37 | 54.33 | 53.94  |
| 1959 | 57.06 | 57.03 | 56.97 | 56.91 | 56.89 | 56.42 | 56.13 | 55.85 | 55.31  |
| 1960 | 58.73 | 58.69 | 58.63 | 58.60 | 58.49 | 58.20 | 58.05 | 58.04 | 57.43  |
| 1961 | 59.54 | 59.48 | 59.42 | 59.37 | 59.25 | 59.03 | 58.78 | 58.56 | 58.04  |
| 1962 | 57.95 | 57.66 | 57.62 | 57.54 | 57.44 | 57.33 | 57.25 | 57.08 | 56.56  |
| 1963 | 57.95 | 56.24 | 56.22 | 56.22 | 56.17 | 56.09 | 55.99 | 55.96 | 55.60  |
| 1964 | 56.41 | 56.36 | 56.33 | 56.24 | 56.11 | 55.97 | 55.69 | 55.56 | 55.05  |
| 1965 | 57.48 | 57.42 | 57.41 | 57.39 | 57.36 | 57.28 | 57.19 | 57.16 | 56.63  |
| 1966 | 58.10 | 58.08 | 58.05 | 58.01 | 57.88 | 57.84 | 57.78 | 57.78 | 57.32  |
| 1967 | 58.13 | 58.10 | 58.07 | 58.04 | 57.99 | 57.97 | 57.87 | 57.67 | 57.15  |
| 1968 | 57.43 | 57.41 | 57.40 | 57.35 | 57.27 | 57.06 | 56.87 | 56.66 | 56.05  |
| 1969 | 58.03 | 57.98 | 57.94 | 57.89 | 57.80 | 57.72 | 57.74 | 57.68 | 57.12  |
| 1970 | 58.21 | 58.18 | 58.17 | 58.10 | 58.01 | 57.87 | 57.71 | 57.56 | 57.12  |
| 1971 | 58.15 | 58.12 | 58.08 | 58.07 | 58.01 | 57.83 | 57.73 | 57.60 | 57.21  |
| 1972 | 57.79 | 57.75 | 57.72 | 57.66 | 57.61 | 57.50 | 57.40 | 57.34 | 56.81  |
| 1973 | 57.28 | 57.26 | 57.25 | 57.21 | 57.17 | 57.11 | 56.91 | 56.85 | 56.55  |
| 1974 | 57.78 | 57.76 | 57.74 | 57.73 | 57.68 | 57.50 | 57.34 | 57.22 | 56.77  |
| 1975 | 57.85 | 57.82 | 57.80 | 57.76 | 57.74 | 57.58 | 57.36 | 57.18 | 56.71  |
| 1976 | 56.98 | 56.95 | 56.93 | 56.92 | 56.81 | 56.68 | 56.59 | 56.48 | 55.87  |
| 1977 | 57.61 | 57.61 | 57.59 | 57.55 | 57.49 | 57.39 | 57.24 | 57.14 | 56.69  |
| 1978 | 57.52 | 57.51 | 57.50 | 57.46 | 57.32 | 57.16 | 56.93 | 56.80 | 56.41  |
| 1979 | 57.78 | 57.74 | 57.72 | 57.68 | 57.64 | 57.47 | 57.31 | 57.17 | 56.81  |

Table 51B. --Lowest Elevations Experienced by Lake Weir for  
Different Durations

LAKE WEIR AT OKLAHA - ELEVATION, FT MSL

LOWEST MEAN VALUES FOR THE FOLLOWING NO OF CONSECUTIVE DAYS IN YEAR ENDING SEPT 30

| YEAR | 1     | 7     | 14    | 30    | 60    | 120   | 183   | 274   | 1 YEAR |
|------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 1943 | 56.14 | 56.17 | 56.22 | 56.26 | 56.35 | 56.50 | 56.62 | 56.76 | 56.91  |
| 1944 | 56.79 | 56.81 | 56.83 | 56.86 | 56.89 | 56.90 | 56.99 | 57.11 | 57.22  |
| 1945 | 55.83 | 55.86 | 55.91 | 55.93 | 56.11 | 56.40 | 56.64 | 56.84 | 57.00  |
| 1946 | 57.11 | 57.12 | 57.14 | 57.19 | 57.28 | 57.38 | 57.51 | 57.62 | 57.66  |
| 1947 | 56.90 | 56.94 | 56.99 | 57.02 | 57.07 | 57.17 | 57.26 | 57.36 | 57.55  |
| 1948 | 56.89 | 56.93 | 56.94 | 57.00 | 57.10 | 57.39 | 57.59 | 57.72 | 57.84  |
| 1949 | 56.83 | 56.86 | 56.87 | 56.94 | 57.08 | 57.21 | 57.35 | 57.48 | 57.65  |
| 1950 | 56.48 | 56.52 | 56.55 | 56.59 | 56.62 | 56.67 | 56.85 | 57.08 | 57.31  |
| 1951 | 56.55 | 56.57 | 56.59 | 56.68 | 56.78 | 56.87 | 56.96 | 57.11 | 57.20  |
| 1952 | 56.87 | 56.89 | 56.94 | 56.98 | 57.04 | 57.04 | 57.16 | 57.22 | 57.23  |
| 1953 | 56.73 | 56.80 | 56.86 | 56.92 | 57.00 | 57.05 | 57.07 | 57.08 | 57.17  |
| 1954 | 57.19 | 57.22 | 57.24 | 57.29 | 57.34 | 57.37 | 57.44 | 57.62 | 57.66  |
| 1955 | 55.99 | 56.03 | 56.08 | 56.11 | 56.20 | 56.21 | 56.34 | 56.52 | 56.68  |
| 1956 | 54.12 | 54.17 | 54.18 | 54.25 | 54.32 | 54.47 | 54.60 | 54.82 | 55.01  |
| 1957 | 53.46 | 53.50 | 53.52 | 53.57 | 53.62 | 53.63 | 53.69 | 53.78 | 53.90  |
| 1958 | 53.81 | 53.82 | 53.82 | 53.86 | 53.92 | 54.01 | 54.19 | 54.37 | 54.54  |
| 1959 | 54.96 | 54.99 | 55.04 | 55.15 | 55.39 | 55.49 | 55.66 | 56.09 | 56.52  |
| 1960 | 57.60 | 57.61 | 57.65 | 57.71 | 57.75 | 57.82 | 57.95 | 58.06 | 58.26  |
| 1961 | 57.00 | 57.02 | 57.05 | 57.14 | 57.21 | 57.31 | 57.44 | 57.65 | 57.91  |
| 1962 | 55.71 | 55.74 | 55.75 | 55.77 | 55.81 | 55.94 | 56.05 | 56.24 | 56.43  |
| 1963 | 55.17 | 55.19 | 55.23 | 55.23 | 55.27 | 55.35 | 55.47 | 55.63 | 55.68  |
| 1964 | 54.92 | 54.94 | 54.95 | 54.98 | 55.04 | 55.18 | 55.41 | 55.61 | 55.90  |
| 1965 | 56.58 | 56.60 | 56.63 | 56.71 | 56.82 | 57.02 | 57.12 | 57.10 | 57.25  |
| 1966 | 57.49 | 57.51 | 57.54 | 57.59 | 57.66 | 57.68 | 57.71 | 57.75 | 57.80  |
| 1967 | 56.30 | 56.33 | 56.34 | 56.35 | 56.43 | 56.62 | 56.81 | 56.97 | 57.12  |
| 1968 | 55.73 | 55.74 | 55.79 | 55.87 | 55.96 | 56.07 | 56.14 | 56.29 | 56.53  |
| 1969 | 56.87 | 56.89 | 56.91 | 56.94 | 56.99 | 57.10 | 57.27 | 57.42 | 57.49  |
| 1970 | 57.10 | 57.12 | 57.15 | 57.21 | 57.26 | 57.34 | 57.51 | 57.61 | 57.66  |
| 1971 | 56.87 | 56.91 | 56.95 | 56.98 | 57.06 | 57.19 | 57.27 | 57.30 | 57.40  |
| 1972 | 56.79 | 56.84 | 56.87 | 56.94 | 57.05 | 57.11 | 57.14 | 57.15 | 57.19  |
| 1973 | 56.34 | 56.38 | 56.40 | 56.42 | 56.46 | 56.58 | 56.69 | 56.76 | 56.94  |
| 1974 | 56.38 | 56.41 | 56.43 | 56.47 | 56.52 | 56.67 | 56.79 | 56.91 | 57.10  |
| 1975 | 56.30 | 56.31 | 56.33 | 56.36 | 56.38 | 56.44 | 56.52 | 56.63 | 56.74  |
| 1976 | 55.59 | 55.63 | 55.66 | 55.69 | 55.75 | 55.94 | 56.07 | 56.24 | 56.39  |
| 1977 | 56.24 | 56.25 | 56.27 | 56.29 | 56.36 | 56.53 | 56.69 | 56.94 | 56.96  |
| 1978 | 56.16 | 56.17 | 56.20 | 56.26 | 56.32 | 56.44 | 56.69 | 56.84 | 57.01  |
| 1979 | 56.70 | 56.72 | 56.73 | 56.76 | 56.81 | 56.89 | 56.90 | 56.93 | 56.97  |



Table 52. --Observed Monthly Mean Elevations for Newnans Lake

MONTHLY DATA FOR WATER YEARS - NEWNANS LAKE NEAR GAINESVILLE, ELEV. FT-MSL

|      | OCT   | NOV   | DEC   | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1946 | --    | 66.73 | 67.04 | 68.63 | --    | --    | --    | --    | 68.20 | 68.80 | 69.30 | 68.42 |
| 1947 | 68.91 | 68.09 | 67.10 | 66.61 | 66.36 | 67.70 | 68.13 | 66.56 | 65.94 | 65.68 | 65.57 | 66.45 |
| 1948 | 69.35 | 69.37 | 68.36 | 68.37 | 69.09 | 69.99 | 69.56 | 67.35 | 66.19 | 65.91 | 67.40 | 68.01 |
| 1949 | 67.87 | 66.87 | 66.20 | 66.03 | 66.20 | 66.10 | 66.97 | 66.33 | 65.68 | 65.68 | 65.84 | 67.75 |
| 1950 | 67.63 | 67.09 | 66.66 | 66.13 | 65.57 | 65.50 | 65.30 | 64.84 | 64.48 | 66.02 | 66.12 | 68.56 |
| 1951 | 68.35 | 67.89 | 66.97 | 66.62 | 66.22 | 66.07 | 65.83 | 65.30 | 64.96 | 65.12 | 65.58 | 66.32 |
| 1952 | 67.16 | 67.23 | 67.35 | 67.05 | 67.26 | 67.82 | 67.03 | 66.20 | 66.20 | 65.68 | 65.38 | 65.26 |
| 1953 | 65.47 | 65.68 | 65.39 | --    | --    | --    | --    | --    | --    | --    | --    | --    |
| 1954 | --    | --    | --    | --    | --    | --    | --    | --    | --    | --    | --    | --    |
| 1955 | --    | --    | --    | --    | --    | --    | --    | --    | --    | --    | --    | --    |
| 1956 | --    | --    | --    | --    | --    | --    | --    | --    | --    | --    | --    | --    |
| 1957 | --    | --    | --    | --    | --    | --    | --    | --    | --    | 65.83 | 67.29 | 67.29 |
| 1958 | 67.15 | 66.15 | 65.63 | 65.48 | 65.65 | 67.38 | 67.80 | 67.23 | 66.12 | 66.03 | 65.96 | 65.47 |
| 1959 | 64.95 | 65.34 | 65.53 | 66.56 | 66.81 | 68.51 | 68.37 | 67.44 | 68.09 | 67.66 | 67.02 | 66.99 |
| 1960 | 67.29 | 66.81 | 66.13 | 65.69 | 65.56 | 67.38 | 67.69 | 66.43 | 65.70 | 66.30 | 68.49 | 67.95 |
| 1961 | 68.54 | 67.71 | 66.36 | --    | 66.69 | 66.67 | --    | 65.33 | 65.83 | 66.08 | 67.61 | 67.94 |
| 1962 | --    | --    | --    | 65.14 | 65.01 | 64.78 | 64.50 | 64.04 | 64.03 | 64.48 | 65.15 | 65.63 |
| 1963 | --    | 65.36 | --    | 65.07 | --    | 66.49 | 65.33 | 65.22 | 64.47 | 65.57 | --    | 65.57 |
| 1964 | 65.13 | --    | 64.87 | 67.77 | --    | 67.77 | --    | --    | 65.55 | --    | 65.83 | 70.33 |
| 1965 | 68.59 | 67.43 | 67.17 | --    | 67.33 | 68.87 | 66.91 | 65.71 | --    | 67.27 | 68.60 | 67.77 |
| 1966 | 67.30 | 66.07 | 66.01 | 66.23 | 66.99 | 68.26 | 66.91 | 66.42 | 66.51 | 66.35 | 66.53 | 67.16 |
| 1967 | 68.19 | 67.89 | 67.13 | 67.06 | 67.62 | 67.20 | 66.67 | 66.40 | 66.59 | 66.94 | 67.77 | 67.53 |
| 1968 | 66.85 | 66.42 | 66.36 | 66.36 | 66.19 | 66.14 | 65.83 | 65.37 | 65.69 | 66.37 | 67.27 | 68.57 |
| 1969 | 67.46 | 67.13 | 66.91 | 66.90 | 67.15 | 67.61 | 67.18 | 66.73 | 66.45 | 66.35 | 67.06 | 68.11 |
| 1970 | 68.16 | 67.57 | 67.71 | 68.70 | 69.36 | 68.57 | 68.89 | 67.30 | 66.94 | 67.13 | 67.45 | 67.25 |
| 1971 | 66.74 | 66.56 | 66.49 | 66.58 | 66.87 | 66.95 | 66.99 | 66.57 | 66.25 | 66.37 | 66.77 | 67.18 |
| 1972 | 66.97 | 66.76 | 67.34 | --    | 67.37 | 67.37 | 67.75 | 67.16 | 67.33 | 68.43 | 67.85 | 69.44 |
| 1973 | 66.94 | --    | 67.33 | 67.73 | --    | 67.71 | 68.77 | 67.29 | 67.17 | 67.20 | 67.35 | 67.32 |
| 1974 | 66.95 | 66.58 | 66.71 | 66.93 | 66.86 | 66.88 | 66.71 | 66.68 | 67.31 | 67.57 | 67.84 | 67.65 |
| 1975 | 66.75 | 66.56 | 66.63 | 66.98 | 67.21 | 67.17 | 67.00 | 66.75 | 66.58 | 66.73 | 66.59 | 67.01 |
| 1976 | 67.18 | 66.95 | 66.67 | 66.31 | 65.98 | 65.37 | 64.97 | 64.71 | 64.71 | 65.78 | 65.70 | 66.14 |
| 1977 | 66.28 | 66.18 | 66.50 | 67.44 | 67.49 | 67.08 | 66.56 | 66.09 | 65.64 | 65.38 | 65.39 | 65.60 |
| 1978 | 65.50 | 65.23 | 65.51 | 66.87 | 67.94 | 69.07 | --    | 66.94 | 67.16 | 67.17 | 69.83 | 67.92 |
| 1979 | 66.76 | 66.59 | 66.46 | 66.75 | 67.42 | 67.17 | 67.30 | 67.29 | --    | 66.52 | 66.57 | 66.91 |
| MEAN | 67.20 | 66.82 | 66.59 | 66.77 | 66.89 | 67.27 | 67.00 | 66.28 | 66.14 | 66.43 | 66.93 | 67.32 |

Table 53. --Observed Monthly Mean Elevations for Orange Lake

MONTHLY DATA FOR WATER YEARS - LOCHLOOSA LAKE AT LOCHLOOSA, ELEV. FT-MSL

|      | OCT   | NOV   | DEC   | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1943 | 58.29 | 57.96 | 57.96 | 57.88 | 57.64 | 57.46 | 57.08 | 56.78 | 56.55 | 56.45 | 56.55 | 57.01 |
| 1944 | 57.01 | 56.48 | 56.25 | 56.30 | 56.25 | 56.35 | 57.98 | 57.77 | 57.60 | 57.67 | 57.93 | 57.89 |
| 1945 | 58.11 | 58.63 | 58.49 | 58.56 | 58.45 | 58.13 | 57.68 | 57.25 | 56.85 | 57.68 | 58.70 | 59.20 |
| 1946 | 59.07 | 58.67 | 58.73 | 59.52 | 59.49 | 59.37 | 59.10 | 59.17 | 59.33 | 59.84 | 60.91 | 60.96 |
| 1947 | 60.94 | 60.29 | 59.57 | 59.10 | 58.89 | 59.30 | 59.59 | 59.13 | 58.80 | 58.67 | 58.83 | 59.20 |
| 1948 | 60.14 | 60.88 | 60.48 | 60.27 | 60.74 | 61.48 | 61.09 | 59.99 | 59.38 | 59.16 | 59.89 | 60.03 |
| 1949 | 60.31 | 59.72 | 59.45 | 59.10 | 59.19 | 58.95 | 59.33 | 59.09 | 58.66 | 58.66 | 58.62 | 59.35 |
| 1950 | 59.50 | 59.39 | 59.15 | 58.83 | 58.45 | 58.31 | 58.04 | 57.68 | 57.31 | 57.99 | 58.01 | 59.76 |
| 1951 | 60.08 | 59.84 | 59.26 | 58.98 | 58.67 | 58.41 | 58.16 | 57.56 | 57.09 | 57.04 | 57.03 | 57.22 |
| 1952 | 58.37 | 58.57 | 58.90 | 58.85 | 58.90 | 59.32 | 59.10 | 58.72 | 58.53 | 58.23 | 58.07 | 57.89 |
| 1953 | 57.74 | 57.57 | 57.30 | ---   | ---   | ---   | ---   | ---   | ---   | ---   | ---   | ---   |
| 1954 | ---   | ---   | ---   | ---   | ---   | ---   | ---   | ---   | ---   | ---   | ---   | ---   |
| 1955 | ---   | ---   | ---   | ---   | ---   | ---   | ---   | ---   | ---   | ---   | ---   | ---   |
| 1956 | ---   | ---   | ---   | ---   | ---   | ---   | 54.20 | 54.27 | 54.04 | 54.19 | 54.07 | 54.20 |
| 1957 | 55.02 | 55.54 | 55.41 | 55.26 | 55.15 | 55.19 | 55.27 | 55.32 | 55.69 | 55.80 | 56.87 | 57.40 |
| 1958 | 57.67 | 57.05 | 56.66 | 56.51 | 56.52 | 57.54 | 58.01 | 57.77 | 57.37 | 57.35 | 57.38 | 57.16 |
| 1959 | 57.02 | 57.18 | 57.27 | 57.68 | 57.85 | 58.96 | 59.98 | 59.24 | 59.24 | 59.29 | 58.80 | 58.62 |
| 1960 | 58.28 | 58.02 | 57.74 | 57.56 | 57.45 | 58.35 | 59.10 | 58.49 | 58.26 | 58.94 | 59.66 | 59.94 |
| 1961 | 60.04 | 59.61 | 58.91 | 58.46 | 58.41 | 58.19 | 58.04 | 57.76 | 57.33 | 57.38 | 58.05 | 58.86 |
| 1962 | 58.42 | 58.09 | 57.72 | 57.50 | 57.25 | 56.93 | 56.86 | ---   | 55.86 | ---   | 55.94 | 56.30 |
| 1963 | ---   | 55.77 | ---   | 55.59 | ---   | 56.30 | 56.01 | 55.91 | 55.52 | 55.80 | ---   | 55.80 |
| 1964 | 55.71 | ---   | 55.55 | 57.33 | ---   | 58.87 | ---   | ---   | 58.07 | ---   | 58.50 | 60.92 |
| 1965 | 60.39 | 59.27 | 58.99 | ---   | 58.91 | 59.41 | 58.79 | 58.10 | ---   | 59.00 | 6---  | 59.35 |
| 1966 | 59.10 | 58.73 | 58.59 | 58.61 | 58.79 | 59.40 | 58.88 | 58.56 | 58.53 | 58.52 | 59.00 | 59.16 |
| 1967 | 59.19 | 58.52 | 58.31 | 58.53 | 58.82 | 58.83 | 58.23 | 57.84 | 57.69 | 57.95 | 58.60 | 58.81 |
| 1968 | 58.33 | 57.89 | 57.94 | 57.85 | 57.61 | 57.54 | 57.16 | 56.75 | 57.01 | 57.10 | 57.02 | 58.11 |
| 1969 | 58.56 | 58.73 | 58.35 | 58.22 | 58.29 | 58.62 | 58.57 | 58.23 | 58.09 | 57.79 | 57.88 | 58.44 |
| 1970 | 58.92 | 58.94 | 58.99 | 59.54 | 60.36 | 59.82 | 60.02 | 59.02 | 58.61 | 58.42 | 58.51 | 58.83 |
| 1971 | 58.33 | 58.09 | 57.79 | 57.94 | 58.13 | 58.21 | 58.28 | 57.89 | 57.46 | 57.28 | 57.34 | 57.55 |
| 1972 | 57.60 | 57.50 | 57.79 | 58.07 | 58.59 | 58.75 | 58.83 | 58.69 | 59.02 | 59.52 | 59.11 | 59.49 |
| 1973 | 58.79 | 58.55 | 58.73 | 59.07 | 59.36 | 59.46 | 60.12 | 59.19 | 58.63 | 58.28 | 58.38 | 58.74 |
| 1974 | 58.45 | 57.93 | 57.84 | 57.97 | 57.70 | 57.56 | 57.47 | 57.09 | 57.37 | 58.22 | 58.96 | 59.15 |
| 1975 | 58.51 | ---   | 57.80 | 57.83 | 57.96 | 58.08 | 57.88 | 57.51 | 57.16 | 56.99 | 57.01 | 56.97 |
| 1976 | 57.12 | 57.21 | 57.00 | 57.20 | 57.30 | 57.12 | 56.85 | 56.68 | 56.68 | 56.78 | 56.41 | 56.25 |
| 1977 | 56.00 | 55.70 | 55.87 | 56.40 | 56.62 | 56.66 | 56.25 | 55.84 | 55.49 | 55.22 | 55.11 | 55.22 |
| 1978 | 55.07 | 55.04 | 55.18 | 54.44 | 56.72 | 57.97 | 58.31 | 58.13 | 58.08 | 58.10 | 59.65 | 58.94 |
| 1979 | 58.30 | 57.91 | 57.67 | 57.95 | 58.30 | 58.44 | 58.02 | 58.42 | 58.09 | 57.96 | 57.94 | ---   |
| MEAN | 58.31 | 58.10 | 57.93 | 57.90 | 58.15 | 58.28 | 58.13 | 57.81 | 57.56 | 57.73 | 58.02 | 58.26 |

Table 54. --Observed Monthly Mean Elevations for Orange Lake

MONTHLY DATA FOR WATER YEARS -- ORANGE LAKE AT ORANGE LAKE, ELEVATION - FT MSL

|      | OCT   | NOV   | DEC   | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1943 | 57.80 | 57.49 | 57.39 | 57.29 | 57.05 | 56.85 | 56.46 | 56.09 | 55.72 | 55.43 | 55.52 | 55.81 |
| 1944 | 56.12 | 55.90 | 55.72 | 55.75 | 55.71 | 55.83 | 56.93 | 57.47 | 57.27 | 57.33 | 57.57 | 57.56 |
| 1945 | 57.65 | 58.29 | 58.16 | 58.14 | 58.02 | 57.73 | 57.26 | 56.79 | 56.38 | 56.91 | 57.95 | 58.82 |
| 1946 | 58.70 | 58.34 | 58.29 | 59.04 | 59.05 | 58.94 | 58.72 | 58.71 | 58.93 | 59.36 | 60.53 | 60.55 |
| 1947 | 60.49 | 59.90 | 59.21 | 58.70 | 58.47 | 58.81 | 59.14 | 58.76 | 58.42 | 58.23 | 58.32 | 58.64 |
| 1948 | 59.67 | 60.32 | 59.94 | 59.69 | 60.18 | 60.77 | 60.45 | 59.47 | 58.95 | 58.76 | 59.33 | 59.52 |
| 1949 | 59.66 | 59.13 | 58.84 | 58.54 | 58.60 | 58.45 | 58.72 | 58.61 | 58.26 | 58.22 | 58.10 | 58.64 |
| 1950 | 58.94 | 58.81 | 58.54 | 58.18 | 57.73 | 57.46 | 57.22 | 57.01 | 56.74 | 57.14 | 57.36 | 58.83 |
| 1951 | 59.20 | 58.99 | 58.33 | 58.05 | 57.71 | 57.37 | 57.11 | 56.64 | 56.34 | 56.40 | 56.45 | 56.72 |
| 1952 | 57.84 | 57.96 | 58.25 | 58.19 | 58.25 | 58.74 | 58.59 | 58.23 | 57.94 | 57.51 | 57.16 | 57.06 |
| 1953 | 56.91 | 56.75 | 56.56 | 56.63 | 56.68 | 56.63 | 57.34 | 57.76 | 57.47 | 57.37 | 57.56 | 58.87 |
| 1954 | 59.47 | 58.95 | 58.93 | 59.37 | 58.86 | 58.40 | 58.15 | 57.77 | 57.46 | 57.06 | 56.70 | 56.37 |
| 1955 | 56.29 | 56.04 | 55.92 | 55.81 | 55.88 | 55.73 | 55.41 | 54.89 | 54.52 | 54.55 | 54.29 | 54.32 |
| 1956 | 53.85 | 53.42 | 52.99 | 52.51 | 52.28 | 51.68 | 51.25 | 51.04 | 50.55 | 50.53 | 50.64 | 51.19 |
| 1957 | 51.69 | 52.12 | 52.02 | 51.78 | 51.49 | 51.25 | 51.12 | 50.87 | 50.97 | 51.22 | 52.38 | 53.96 |
| 1958 | 55.50 | 55.83 | 55.96 | 56.07 | 56.21 | 57.19 | 57.94 | 57.78 | 57.35 | 57.36 | 57.36 | 57.16 |
| 1959 | 57.05 | 57.13 | 57.20 | 57.60 | 57.78 | 58.85 | 59.99 | 59.21 | 59.12 | 59.25 | 58.69 | 58.47 |
| 1960 | 58.21 | 58.00 | 57.70 | 57.50 | 57.37 | 58.27 | 59.09 | 58.46 | 58.22 | 58.85 | 59.62 | 59.92 |
| 1961 | 60.03 | 59.56 | 58.88 | 58.45 | 58.35 | 58.15 | 57.98 | 57.61 | 57.26 | 57.32 | 58.01 | 58.87 |
| 1962 | 58.44 | 58.09 | 57.75 | 57.50 | 57.23 | 56.90 | 56.73 | 56.16 | 55.89 | 55.77 | 55.79 | 55.87 |
| 1963 | 55.86 | 55.60 | 55.39 | 55.26 | 55.55 | 56.23 | 56.03 | 55.60 | 55.20 | 55.42 | 55.74 | 55.86 |
| 1964 | 55.80 | 55.50 | 55.30 | 56.00 | 58.06 | 58.91 | 58.59 | 58.57 | 58.05 | 58.01 | 58.71 | 60.13 |
| 1965 | 59.93 | 59.10 | 58.95 | 59.06 | 59.08 | 59.37 | 58.94 | 58.37 | 58.43 | 58.97 | 59.93 | 59.48 |
| 1966 | 59.16 | 58.78 | 58.62 | 58.64 | 58.82 | 59.37 | 58.91 | 58.55 | 58.57 | 58.53 | 58.93 | 59.02 |
| 1967 | 59.21 | 58.58 | 58.37 | 58.50 | 58.77 | 58.80 | 58.26 | 57.85 | 57.70 | 57.97 | 58.54 | 58.89 |
| 1968 | 58.35 | 57.92 | 57.93 | 57.87 | 57.64 | 57.54 | 57.17 | 56.75 | 56.97 | 57.07 | 57.12 | 58.12 |
| 1969 | 58.65 | 58.70 | 58.39 | 58.28 | 58.27 | 58.57 | 58.62 | 58.28 | 58.13 | 57.78 | 57.88 | 58.45 |
| 1970 | 58.97 | 58.97 | 58.96 | 59.47 | 60.23 | 59.80 | 60.01 | 59.10 | 58.61 | 58.40 | 58.53 | 58.90 |
| 1971 | 58.43 | 58.10 | 57.87 | 57.95 | 58.17 | 58.26 | 58.26 | 57.95 | 57.48 | 57.31 | 57.34 | 57.57 |
| 1972 | 57.62 | 57.53 | 57.83 | 58.13 | 58.70 | 58.71 | 58.84 | 58.64 | 58.78 | 59.44 | 59.03 | 59.47 |
| 1973 | 58.81 | 58.52 | 58.76 | 59.04 | 59.35 | 59.36 | 59.95 | 59.12 | 58.62 | 58.27 | 58.37 | 58.71 |
| 1974 | 58.44 | 57.99 | 57.90 | 57.99 | 57.73 | 57.59 | 57.48 | 57.11 | 57.32 | 58.22 | 58.89 | 59.12 |
| 1975 | 58.52 | 58.02 | 57.85 | 57.88 | 58.02 | 58.13 | 57.98 | 57.60 | 57.23 | 57.09 | 57.10 | 57.00 |
| 1976 | 57.38 | 57.37 | 57.18 | 57.45 | 57.52 | 57.35 | 57.08 | 56.89 | 56.92 | 56.98 | 56.62 | 56.50 |
| 1977 | 56.24 | 55.90 | 55.95 | 56.52 | 56.89 | 57.00 | 56.60 | 56.01 | 55.54 | 55.12 | 54.95 | 54.91 |
| 1978 | 54.65 | 54.26 | 54.48 | 55.02 | 56.49 | 58.47 | 58.64 | 58.46 | 58.48 | 58.51 | 60.03 | 59.40 |
| 1979 | 58.75 | 58.37 | 58.14 | 58.35 | 58.72 | 58.85 | 58.66 | 58.88 | 58.57 | 58.40 | 58.36 | 58.68 |
| MEAN | 57.79 | 57.57 | 57.42 | 57.46 | 57.59 | 57.74 | 57.72 | 57.38 | 57.15 | 57.19 | 57.44 | 57.77 |

Table 55A. --Highest Elevations Experienced by Orange Lake for Different Durations

ORANGE LAKE AT ORANGE LAKE, ELEVATION - FT MSL

HIGHEST MEAN VALUES FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MAY 31

| YEAR | 1     | 7     | 14    | 30    | 60    | 120   | 183   | 274   | 1 YEAR |
|------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 1943 | 58.62 | 58.55 | 58.45 | 58.28 | 58.28 | 58.17 | 57.99 | 57.74 | 56.96  |
| 1944 | 57.57 | 57.54 | 57.53 | 57.50 | 57.22 | 56.49 | 56.23 | 56.14 | 55.53  |
| 1945 | 58.33 | 58.32 | 58.31 | 58.29 | 58.23 | 58.16 | 58.00 | 57.83 | 57.33  |
| 1946 | 59.18 | 59.16 | 59.15 | 59.11 | 59.06 | 58.93 | 58.77 | 58.73 | 57.99  |
| 1947 | 60.71 | 60.70 | 60.65 | 60.58 | 60.56 | 60.39 | 60.01 | 59.57 | 59.08  |
| 1948 | 61.21 | 61.19 | 61.16 | 60.98 | 60.60 | 60.26 | 60.21 | 59.88 | 59.01  |
| 1949 | 59.84 | 59.83 | 59.81 | 59.67 | 59.60 | 59.42 | 59.23 | 59.04 | 58.61  |
| 1950 | 59.16 | 59.03 | 59.01 | 58.96 | 58.89 | 58.74 | 58.55 | 58.38 | 57.78  |
| 1951 | 59.45 | 59.43 | 59.40 | 59.26 | 59.21 | 58.88 | 58.52 | 58.13 | 57.48  |
| 1952 | 58.82 | 58.79 | 58.78 | 58.75 | 58.68 | 58.44 | 58.37 | 58.06 | 57.18  |
| 1953 | 58.11 | 58.07 | 58.04 | 57.94 | 57.73 | 57.42 | 57.22 | 57.02 | 56.77  |
| 1954 | 59.64 | 59.60 | 59.57 | 59.48 | 59.28 | 59.18 | 59.08 | 58.76 | 58.11  |
| 1955 | 58.07 | 57.63 | 57.60 | 57.46 | 57.26 | 56.91 | 56.65 | 56.39 | 55.83  |
| 1956 | 54.77 | 54.75 | 54.71 | 54.61 | 54.54 | 54.43 | 54.16 | 53.64 | 52.64  |
| 1957 | 52.14 | 52.14 | 52.14 | 52.13 | 52.10 | 51.94 | 51.73 | 51.51 | 50.99  |
| 1958 | 58.03 | 58.02 | 58.00 | 57.96 | 57.86 | 57.26 | 56.83 | 56.21 | 54.74  |
| 1959 | 60.25 | 60.22 | 60.16 | 60.03 | 59.70 | 58.92 | 58.39 | 57.97 | 57.48  |
| 1960 | 59.42 | 59.37 | 59.33 | 59.29 | 59.19 | 58.89 | 58.63 | 58.26 | 57.87  |
| 1961 | 60.20 | 60.19 | 60.15 | 60.09 | 60.00 | 59.79 | 59.48 | 59.11 | 58.49  |
| 1962 | 59.01 | 58.98 | 58.95 | 58.87 | 58.71 | 58.38 | 58.11 | 57.83 | 57.21  |
| 1963 | 58.11 | 56.34 | 56.31 | 56.26 | 56.12 | 55.86 | 55.80 | 55.73 | 55.43  |
| 1964 | 59.03 | 58.97 | 58.95 | 58.91 | 58.75 | 58.51 | 57.50 | 56.92 | 56.09  |
| 1965 | 61.04 | 61.00 | 60.93 | 60.65 | 60.10 | 59.55 | 59.40 | 59.24 | 58.64  |
| 1966 | 60.09 | 60.08 | 60.06 | 59.98 | 59.71 | 59.40 | 59.16 | 59.09 | 58.65  |
| 1967 | 59.38 | 59.37 | 59.35 | 59.24 | 59.16 | 58.95 | 58.81 | 58.75 | 58.29  |
| 1968 | 59.03 | 59.01 | 59.00 | 58.93 | 58.78 | 58.46 | 58.27 | 58.09 | 57.38  |
| 1969 | 58.94 | 58.88 | 58.84 | 58.79 | 58.68 | 58.53 | 58.50 | 58.41 | 57.76  |
| 1970 | 60.47 | 60.44 | 60.39 | 60.28 | 60.05 | 59.87 | 59.57 | 59.30 | 58.63  |
| 1971 | 59.04 | 59.02 | 58.99 | 58.91 | 58.77 | 58.61 | 58.50 | 58.33 | 57.96  |
| 1972 | 59.03 | 58.96 | 58.94 | 58.84 | 58.78 | 58.71 | 58.45 | 58.16 | 57.49  |
| 1973 | 60.18 | 60.16 | 60.12 | 59.95 | 59.66 | 59.45 | 59.24 | 59.15 | 58.80  |
| 1974 | 58.87 | 58.79 | 58.74 | 58.72 | 58.62 | 58.48 | 58.40 | 58.22 | 57.70  |
| 1975 | 59.25 | 59.20 | 59.17 | 59.16 | 59.04 | 58.71 | 58.44 | 58.30 | 57.81  |
| 1976 | 57.57 | 57.55 | 57.54 | 57.52 | 57.49 | 57.38 | 57.37 | 57.28 | 56.75  |
| 1977 | 57.14 | 57.12 | 57.09 | 57.02 | 56.95 | 56.76 | 56.53 | 56.51 | 56.20  |
| 1978 | 58.86 | 58.85 | 58.83 | 58.76 | 58.65 | 57.98 | 56.85 | 56.11 | 55.58  |
| 1979 | 60.43 | 60.41 | 60.34 | 60.11 | 59.73 | 59.20 | 58.92 | 58.81 | 58.43  |

Table 55B. --Lowest Elevations Experienced by Orange Lake for Different Durations

ORANGE LAKE AT ORANGE LAKE, ELEVATION - FT MSL

LOWEST MEAN VALUES FOR THE FOLLOWING NO OF CONSECUTIVE DAYS IN YEAR ENDING SEPT 30

| YEAR | 1     | 7     | 14    | 30    | 60    | 120   | 183   | 274   | 1 YEAR |
|------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 1943 | 55.32 | 55.35 | 55.37 | 55.38 | 55.45 | 55.61 | 55.84 | 56.24 | 56.57  |
| 1944 | 55.61 | 55.63 | 55.66 | 55.69 | 55.73 | 55.74 | 55.84 | 56.30 | 56.60  |
| 1945 | 56.14 | 56.21 | 56.26 | 56.35 | 56.51 | 56.82 | 57.14 | 57.47 | 57.67  |
| 1946 | 58.02 | 58.05 | 58.08 | 58.17 | 58.30 | 58.58 | 58.72 | 58.74 | 59.09  |
| 1947 | 58.10 | 58.16 | 58.19 | 58.22 | 58.24 | 58.36 | 58.58 | 58.60 | 58.93  |
| 1948 | 58.67 | 58.70 | 58.71 | 58.74 | 58.84 | 59.10 | 59.41 | 59.68 | 59.75  |
| 1949 | 58.01 | 58.03 | 58.06 | 58.09 | 58.16 | 58.26 | 58.39 | 58.46 | 58.65  |
| 1950 | 56.60 | 56.65 | 56.67 | 56.71 | 56.82 | 57.01 | 57.15 | 57.46 | 57.83  |
| 1951 | 56.28 | 56.31 | 56.32 | 56.34 | 56.37 | 56.42 | 56.61 | 56.98 | 57.44  |
| 1952 | 56.96 | 56.98 | 56.99 | 57.06 | 57.11 | 57.41 | 57.75 | 57.96 | 57.98  |
| 1953 | 56.42 | 56.47 | 56.48 | 56.52 | 56.59 | 56.62 | 56.68 | 56.97 | 57.21  |
| 1954 | 56.32 | 56.34 | 56.34 | 56.37 | 56.53 | 56.88 | 57.25 | 57.79 | 58.12  |
| 1955 | 54.11 | 54.17 | 54.24 | 54.28 | 54.31 | 54.42 | 54.66 | 55.04 | 55.30  |
| 1956 | 50.38 | 50.42 | 50.45 | 50.48 | 50.51 | 50.67 | 50.86 | 51.29 | 51.83  |
| 1957 | 50.67 | 50.69 | 50.73 | 50.83 | 50.90 | 51.03 | 51.16 | 51.42 | 51.74  |
| 1958 | 54.89 | 55.11 | 55.27 | 55.49 | 55.66 | 55.83 | 56.14 | 56.65 | 56.81  |
| 1959 | 56.92 | 56.97 | 57.00 | 57.03 | 57.09 | 57.23 | 57.62 | 58.22 | 58.36  |
| 1960 | 57.26 | 57.28 | 57.31 | 57.36 | 57.44 | 57.58 | 57.85 | 58.09 | 58.44  |
| 1961 | 57.10 | 57.18 | 57.20 | 57.26 | 57.28 | 57.49 | 57.71 | 57.99 | 58.37  |
| 1962 | 55.70 | 55.73 | 55.75 | 55.76 | 55.77 | 55.82 | 56.03 | 56.43 | 56.84  |
| 1963 | 54.99 | 55.04 | 55.04 | 55.12 | 55.29 | 55.44 | 55.64 | 55.59 | 55.65  |
| 1964 | 54.96 | 55.09 | 55.16 | 55.25 | 55.35 | 55.62 | 56.59 | 57.19 | 57.63  |
| 1965 | 58.02 | 58.05 | 58.09 | 58.20 | 58.39 | 58.67 | 58.85 | 58.92 | 59.14  |
| 1966 | 58.40 | 58.43 | 58.45 | 58.48 | 58.55 | 58.59 | 58.75 | 58.74 | 58.82  |
| 1967 | 57.52 | 57.58 | 57.64 | 57.70 | 57.76 | 57.91 | 58.18 | 58.28 | 58.45  |
| 1968 | 56.64 | 56.67 | 56.71 | 56.75 | 56.85 | 56.95 | 57.10 | 57.33 | 57.54  |
| 1969 | 57.70 | 57.72 | 57.74 | 57.77 | 57.82 | 58.01 | 58.19 | 58.24 | 58.33  |
| 1970 | 58.25 | 58.29 | 58.33 | 58.35 | 58.41 | 58.61 | 58.92 | 59.22 | 59.16  |
| 1971 | 57.22 | 57.24 | 57.26 | 57.27 | 57.31 | 57.42 | 57.65 | 57.81 | 57.89  |
| 1972 | 57.37 | 57.40 | 57.43 | 57.51 | 57.57 | 57.77 | 58.08 | 58.31 | 58.56  |
| 1973 | 58.14 | 58.16 | 58.18 | 58.23 | 58.31 | 58.48 | 58.81 | 58.97 | 58.90  |
| 1974 | 56.93 | 56.98 | 57.03 | 57.09 | 57.16 | 57.37 | 57.54 | 57.70 | 57.98  |
| 1975 | 56.91 | 56.93 | 56.94 | 56.98 | 57.05 | 57.10 | 57.33 | 57.56 | 57.70  |
| 1976 | 56.32 | 56.36 | 56.40 | 56.49 | 56.55 | 56.75 | 56.83 | 57.03 | 57.10  |
| 1977 | 54.80 | 54.81 | 54.84 | 54.91 | 54.93 | 55.12 | 55.52 | 55.94 | 55.96  |
| 1978 | 54.17 | 54.18 | 54.21 | 54.24 | 54.33 | 54.58 | 55.57 | 56.55 | 57.24  |
| 1979 | 58.02 | 58.06 | 58.09 | 58.13 | 58.20 | 58.37 | 58.51 | 58.54 | 58.56  |

Table 56. --Observed Monthly Mean Elevations for Lake Ocklawaha

MONTHLY DATA FOR WATER YEARS - LAKE OCKLWAHA NR ORANGE SPRINGS, ELEVATION - FT MSL

|      | OCT   | NOV   | DEC   | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1970 | 19.91 | 19.88 | 19.89 | 19.88 | 19.84 | 19.81 | 19.79 | 19.82 | 19.83 | 19.83 | 19.83 | 19.75 |
| 1971 | 19.76 | 19.81 | 18.21 | 17.83 | 17.93 | 17.79 | 17.84 | 17.80 | 17.78 | 17.81 | 17.84 | 17.82 |
| 1972 | 17.78 | 17.79 | 17.83 | 17.82 | 17.88 | 17.84 | 17.84 | 17.86 | 18.21 | 18.11 | 15.01 | 12.80 |
| 1973 | 12.83 | 12.86 | 12.82 | 12.88 | 17.36 | 18.01 | 18.48 | 17.97 | 17.91 | 17.93 | 17.95 | 18.08 |
| 1974 | 17.84 | 17.86 | 17.91 | 17.84 | 17.89 | 17.98 | 17.88 | 17.90 | 18.21 | 18.89 | 18.06 | 17.97 |
| 1975 | 17.88 | 17.95 | 18.03 | 15.46 | 15.05 | 17.07 | 18.03 | 18.06 | 18.06 | 18.07 | 18.07 | 18.07 |
| 1976 | 18.02 | 18.04 | 18.02 | 18.02 | 18.02 | 18.02 | 18.03 | 18.16 | 18.06 | 18.03 | 18.02 | 18.06 |
| 1977 | 18.00 | 18.00 | 18.07 | 18.09 | 18.06 | 18.04 | 18.02 | 18.03 | 18.04 | 18.05 | 18.04 | 18.05 |
| 1978 | 18.04 | 18.06 | 18.12 | 18.09 | 18.09 | 18.12 | 18.01 | 18.02 | 18.06 | 18.05 | 18.30 | 18.03 |
| 1979 | 18.02 | 18.03 | 18.06 | 18.10 | 18.06 | 18.03 | 18.06 | 18.16 | 18.03 | 18.00 | 18.10 | 15.37 |
| MEAN | 17.81 | 17.83 | 17.70 | 17.40 | 17.82 | 18.07 | 18.20 | 18.18 | 18.22 | 18.28 | 17.92 | 17.40 |

Table 57. --Highest and Lowest Elevations Experienced by Lake Ocklawaha for Different Durations

@@@@ LAKE OCKLWAHA NR ORANGE SPRINGS, ELEVATION - FT MSL

HIGHEST MEAN VALUES FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MAY 31

| YEAR | 1     | 7     | 14    | 30    | 60    | 120   | 183   | 274   | 1 YEAR |
|------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 1971 | 20.04 | 19.94 | 19.94 | 19.86 | 19.84 | 19.81 | 19.80 | 19.20 | 18.71  |
| 1972 | 18.26 | 18.13 | 18.02 | 17.93 | 17.89 | 17.86 | 17.84 | 17.83 | 17.68  |
| 1973 | 19.48 | 19.37 | 19.08 | 18.54 | 18.25 | 17.88 | 16.14 | 15.04 | 15.50  |
| 1974 | 18.50 | 18.30 | 18.17 | 18.12 | 18.03 | 17.97 | 17.93 | 17.92 | 17.81  |
| 1975 | 20.60 | 20.32 | 19.90 | 19.15 | 18.66 | 18.30 | 18.18 | 17.51 | 17.47  |
| 1976 | 18.49 | 18.31 | 18.28 | 18.17 | 18.10 | 18.07 | 18.05 | 18.05 | 17.90  |
| 1977 | 18.52 | 18.31 | 18.21 | 18.15 | 18.10 | 18.07 | 18.05 | 18.04 | 17.94  |
| 1978 | 18.53 | 18.43 | 18.31 | 18.18 | 18.15 | 18.12 | 18.10 | 18.08 | 17.96  |
| 1979 | 18.89 | 18.70 | 18.53 | 18.33 | 18.18 | 18.11 | 18.09 | 18.08 | 17.98  |

@@@@ LAKE OCKLWAHA NR ORANGE SPRINGS, ELEVATION - FT MSL

LOWEST MEAN VALUES FOR THE FOLLOWING NO OF CONSECUTIVE DAYS IN YEAR ENDING SEPT 30

| YEAR | 1     | 7     | 14    | 30    | 60    | 120   | 183   | 274   | 1 YEAR |
|------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 1970 | 19.42 | 19.65 | 19.68 | 19.73 | 19.79 | 19.80 | 19.81 | 19.82 | 19.84  |
| 1971 | 17.59 | 17.67 | 17.74 | 17.77 | 17.79 | 17.80 | 17.81 | 17.82 | 18.19  |
| 1972 | 12.59 | 12.68 | 12.75 | 12.80 | 13.86 | 16.01 | 16.64 | 17.04 | 17.23  |
| 1973 | 12.60 | 12.67 | 12.77 | 12.81 | 12.83 | 12.84 | 14.44 | 15.66 | 16.24  |
| 1974 | 17.63 | 17.72 | 17.80 | 17.83 | 17.85 | 17.86 | 17.88 | 17.93 | 18.02  |
| 1975 | 14.82 | 14.86 | 14.92 | 14.99 | 15.12 | 16.42 | 16.94 | 17.31 | 17.50  |
| 1976 | 17.76 | 17.80 | 17.88 | 18.00 | 18.00 | 18.01 | 18.02 | 18.04 | 18.04  |
| 1977 | 17.82 | 17.87 | 17.97 | 17.99 | 17.99 | 18.03 | 18.03 | 18.04 | 18.04  |
| 1978 | 17.71 | 17.86 | 17.94 | 17.97 | 18.00 | 18.02 | 18.05 | 18.06 | 18.08  |
| 1979 | 13.95 | 14.43 | 14.61 | 15.37 | 16.73 | 17.37 | 17.63 | 17.77 | 17.84  |

PRINCIPAL LAKES IN THE LOWER  
ST. JOHNS RIVER BASIN

Table 58 presents some general information on the principal lakes in the lower St. Johns River Basin. All except two of these lakes are located near Keystone Heights in Clay County and four of them lie within the Etonia Creek headwaters chain of lakes. The size of the lakes ranges from 9.5 acres (Pebble Lake) to 1746 acres (Lake Geneva).

Tables 59A-59B present the results of frequency analysis on the annual high and annual low stage data. The lowest elevations recorded for Lakes Winona, Johnson (Little Lake), and Kingsley have recurrence intervals of about three times the period of record. Thus, they appear to be 'outliers.' Tables 60-61 present the monthly mean stage data and the highest and lowest elevations experienced for different durations for Lake Winona. For the other lakes (which do not have daily records), Tables 62-69 present the monthly mean stage data for the period of record.



TABLE NO. 58. --General Information on Principal Lakes in the Lower St. Johns River Basin

| Name of the Lake                                  | County  | Surface Area (Acres) | Drainage Area (mi <sup>2</sup> ) | Remarks   |
|---|---------|----------------------|----------------------------------|---|
| Lake Winona near Deland                           | Volusia | 150                  | 1.35                             | Lake is landlocked.   |
| *Sand Hill Lake near Keystone Heights             | Clay    | 1250                 | 11.00                            | Lake is one of the Etonia Creek headwaters chain of lakes.  |
| *Magnolia Lake near Keystone Heights              | Clay    | 201                  | 14.40                            | Lake is one of the Etonia Creek headwaters chain of lakes. Temporary earthen dam near lake outlet since Sept. 73.         |
| *Brooklyn Lake at Keystone Heights                | Clay    | 635                  | 17.40                            | Lake is one of the Etonia Creek headwaters chain of lakes.  |
| *Lake Geneva at Keystone Heights                  | Clay    | 1746                 | 35.50                            | Lake is one of the Etonia Creek headwaters chain of lakes.  |
| *Pebble Lake near Keystone Heights                | Clay    | 9.5                  | 0.19                             | Lake has no surface outlet.   |
| *Lake Johnson (Little Lake) near Keystone Heights | Clay    | 34.6                 | 6.37<br>(combined areas)         | Little Lake and Big Lake were separated by a shallow channel and an earthen dam.  |
| *Lake Johnson (Big Lake) near Keystone Heights    | Clay    | 441                  | 6.37<br>(combined areas)         | Lake Johnson has no surface outlet.   |
| *Kingsley Lake at Camp Blanding                   | Clay    | 1627                 | 6.84                             | Outlet of lake has a fixed concrete (broken) weir with average crest elevation of about 176 ft. Flow is into Black Creek. |

\* These lakes have only weekly or twice weekly gage readings.

TABLE 59A. --Frequencies of High Stages for Lakes in the Lower St. Johns River Basin

| Name of the Lake                                 | Record Length (Years) | Record High Elevation ft. MSL | Mean Annual High Elevation ft. MSL | Elevation (ft-MSL) Which May be Equaled or Exceeded (on the Average) Once in |        |        |        |        |        |
|--|-----------------------|-------------------------------|------------------------------------|--|--------|--------|--------|--------|--------|
|  |                       |                               |                                    | 2 Yr   | 5 Yr   | 10 Yr  | 25 Yr  | 50 Yr  | 100 Yr |
| Lake Winona near DeLand                          | 14                    | 40.52                         | 37.09                              | 36.70  | 38.01  | 39.00  | 40.36  | 41.35  | 42.61  |
| Sand Hill Lake near Keystone Heights             | 18                    | 132.72                        | 132.22                             | 132.22   | 132.47 | 132.61 | 132.75 | 132.85 | 132.93 |
| Magnolia Lake near Keystone Heights              | 18                    | 125.91                        | 125.37                             | 125.44   | 125.73 | 125.85 | 125.97 | 126.03 | 126.09 |
| Brooklyn Lake at Keystone Heights                | 19                    | 117.43                        | 113.69                             | 114.68   | 116.84 | 117.41 | 117.73 | 117.84 | 117.89 |
| Lake Geneva at Keystone Heights                  | 20                    | 107.23                        | 104.40                             | 104.52   | 106.35 | 107.20 | 108.02 | 108.50 | 108.89 |
| Pebble Lake near Keystone Heights                | 33                    | 116.36                        | 102.49                             | 103.10   | 109.65 | 112.43 | 114.84 | 116.09 | 117.01 |
| Lake Johnson (Little Lake) near Keystone Heights | 34                    | 105.00                        | 97.24                              | 96.67  | 99.04  | 100.70 | 102.87 | 104.55 | 106.28 |
| Lake Johnson (Big Lake) near Keystone Heights    | 19                    | 98.30                         | 94.03                              | 94.37  | 96.55  | 97.41  | 98.12  | 98.46  | 98.71  |
| Kingsley Lake at Camp Blanding                   | 33                    | 177.82                        | 176.86                             | 176.88   | 177.36 | 177.59 | 177.83 | 177.98 | 178.11 |

TABLE 59B.--Frequencies of Low Stages for Lakes in the Lower St. Johns River Basin

| Name of the Lake                                 | Record Length (Years) | Record Low Elevation ft. MSL | Mean Annual Low Elevation ft. MSL | Elevation (ft-MSL) Which May be Equaled or Not Exceeded on (the Average) Once in |        |        |        |        |        |
|--|-----------------------|------------------------------|-----------------------------------|--|--------|--------|--------|--------|--------|
|  |                       |                              |                                   | 2 Yr   | 5 Yr   | 10 Yr  | 25 Yr  | 50 Yr  | 100 Yr |
| Lake Winona near Deland                          | 14                    | 33.20                        | 35.22                             | 34.88  | 34.02  | 33.70  | 33.43  | 33.28  | 33.18  |
| Sand Hill Lake near Keystone Heights             | 17                    | 130.74                       | 131.27                            | 131.27   | 131.03 | 130.90 | 130.77 | 130.68 | 130.60 |
| Magnolia Lake near Keystone Heights              | 17                    | 122.30                       | 123.91                            | 124.06   | 123.49 | 123.08 | 122.52 | 122.08 | 121.62 |
| Brooklyn Lake at Keystone Heights                | 18                    | 97.23                        | 108.47                            | 109.26   | 103.17 | 99.88  | 96.55  | 94.58  | 92.98  |
| Lake Geneva at Keystone Heights                  | 18                    | 99.59                        | 103.00                            | 103.14   | 101.07 | 99.96  | 98.77  | 98.02  | 97.36  |
| Pebble Lake near Keystone Heights                | 33                    | 84.24                        | 96.76                             | 96.20  | 89.98  | 87.11  | 84.34  | 82.72  | 81.37  |
| Lake Johnson (Little Lake) near Keystone Heights | 34                    | 90.87                        | 95.50                             | 95.26  | 93.43  | 92.58  | 91.76  | 91.27  | 90.86  |
| Lake Johnson (Big Lake) near Keystone Heights    | 16                    | 87.48                        | 91.53                             | 91.57  | 89.23  | 88.05  | 86.85  | 86.12  | 85.49  |
| Kingsley Lake at Camp Blanding                   | 33                    | 174.34                       | 175.68                            | 175.78   | 175.36 | 175.08 | 174.75 | 174.52 | 174.30 |

Table 60. --Observed Monthly Mean Elevations for Lake Winona

MONTHLY DATA FOR WATER YEARS - LAKE WINONA NR DELAND, ELEVATION - FT MSL

|      | OCT   | NOV   | DEC   | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1966 | 37.04 | 36.90 | 36.78 | 36.77 | 36.82 | 37.03 | 36.84 | 36.67 | 37.00 | 37.25 | 37.21 | 36.99 |
| 1967 | 37.04 | 36.73 | 36.45 | 36.29 | 36.18 | 35.97 | 35.41 | 34.73 | 34.40 | 34.69 | 34.91 | 35.43 |
| 1968 | 35.43 | 35.06 | 34.85 | 34.69 | 34.46 | 34.31 | 33.83 | 33.32 | 33.63 | 33.99 | 34.28 | 35.99 |
| 1969 | 36.83 | 37.90 | 38.06 | 38.30 | 38.31 | 38.31 | 38.11 | 37.77 | 37.56 | 37.48 | 38.47 | 39.15 |
| 1970 | 40.39 | 40.11 | 40.08 | 40.08 | 40.08 | 40.02 | 39.95 | 39.54 | 39.17 | 39.36 | 39.70 | 39.51 |
| 1971 | 39.33 | 39.21 | 38.80 | 38.56 | 38.56 | 38.41 | 38.12 | 37.59 | 37.18 | 37.28 | 37.27 | 36.95 |
| 1972 | 36.66 | 36.44 | 36.32 | 36.13 | 36.26 | 36.14 | 36.24 | 35.96 | 35.78 | 35.87 | 35.60 | 35.75 |
| 1973 | 35.65 | 35.73 | 35.94 | 36.00 | 36.20 | 36.29 | 36.31 | 36.00 | 35.84 | 35.82 | 35.72 | 35.84 |
| 1974 | 35.94 | 35.67 | 35.48 | 35.35 | 35.04 | 34.79 | 34.58 | 34.13 | 33.96 | 34.30 | 34.66 | 35.25 |
| 1975 | 35.41 | 35.13 | 34.94 | 34.91 | 34.89 | 34.75 | 34.45 | 34.02 | 34.08 | 34.33 | 34.58 | 34.79 |
| 1976 | 35.14 | 35.24 | 35.11 | 34.99 | 34.76 | 34.51 | 34.37 | 34.53 | 35.27 | 35.46 | 35.83 | 36.19 |
| 1977 | 36.13 | 35.92 | 36.10 | 36.36 | 36.35 | 36.26 | 35.77 | 35.01 | 34.78 | 34.53 | 34.33 | 34.79 |
| 1978 | 34.86 | 34.85 | 35.08 | 35.23 | 35.46 | 35.99 | 35.82 | 35.41 | 35.33 | 35.86 | 36.62 | 36.61 |
| 1979 | 36.51 | 36.28 | 36.08 | 36.19 | 36.15 | 36.16 | 35.76 | 35.81 | 35.59 | 35.72 | 35.80 | 36.56 |
| MEAN | 36.60 | 36.51 | 36.43 | 36.42 | 36.39 | 36.35 | 36.11 | 35.75 | 35.68 | 35.85 | 36.07 | 36.41 |

Table 61. --Highest and Lowest Elevations Experienced by Lake Winona  
For Different Durations

##### LAKE WINONA NR DELAND, ELEVATION - FT MSL

LOWEST MEAN VALUES FOR THE FOLLOWING NO OF CONSECUTIVE DAYS IN YEAR ENDING SEPT 30

| YEAR | 1     | 7     | 14    | 30    | 60    | 120   | 183   | 274   | 1 YEAR |
|------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 1966 | 36.57 | 36.59 | 36.63 | 36.64 | 36.74 | 36.82 | 36.82 | 36.87 | 36.94  |
| 1967 | 34.34 | 34.37 | 34.38 | 34.40 | 34.51 | 34.67 | 34.93 | 35.33 | 35.68  |
| 1968 | 33.20 | 33.24 | 33.27 | 33.30 | 33.44 | 33.68 | 33.88 | 34.14 | 34.48  |
| 1969 | 36.24 | 36.24 | 36.27 | 36.81 | 37.35 | 37.71 | 37.92 | 37.90 | 38.02  |
| 1970 | 38.99 | 39.04 | 39.04 | 39.09 | 39.21 | 39.43 | 39.54 | 39.71 | 39.83  |
| 1971 | 36.71 | 36.78 | 36.84 | 36.95 | 37.10 | 37.17 | 37.40 | 37.77 | 38.10  |
| 1972 | 35.42 | 35.43 | 35.48 | 35.57 | 35.67 | 35.75 | 35.86 | 35.97 | 36.09  |
| 1973 | 35.46 | 35.48 | 35.50 | 35.59 | 35.69 | 35.80 | 35.92 | 35.99 | 35.94  |
| 1974 | 33.82 | 33.86 | 33.90 | 33.94 | 34.03 | 34.20 | 34.40 | 34.67 | 34.93  |
| 1975 | 33.84 | 33.88 | 33.90 | 33.95 | 34.05 | 34.21 | 34.35 | 34.53 | 34.69  |
| 1976 | 34.15 | 34.20 | 34.21 | 34.31 | 34.37 | 34.54 | 34.71 | 34.88 | 35.12  |
| 1977 | 34.23 | 34.25 | 34.27 | 34.32 | 34.42 | 34.59 | 34.86 | 35.35 | 35.52  |
| 1978 | 34.71 | 34.73 | 34.75 | 34.82 | 34.84 | 35.00 | 35.25 | 35.54 | 35.59  |
| 1979 | 35.43 | 35.49 | 35.55 | 35.58 | 35.65 | 35.71 | 35.79 | 35.91 | 36.05  |

##### LAKE WINONA NR DELAND, ELEVATION - FT MSL

HIGHEST MEAN VALUES FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MAY 31

| YEAR | 1     | 7     | 14    | 30    | 60    | 120   | 183   | 274   | 1 YEAR |
|------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 1966 | 37.15 | 37.14 | 37.10 | 37.06 | 36.98 | 36.88 | 36.89 | 36.85 | 36.33  |
| 1967 | 37.31 | 37.30 | 37.29 | 37.26 | 37.24 | 37.14 | 37.04 | 36.80 | 36.15  |
| 1968 | 35.64 | 35.64 | 35.62 | 35.58 | 35.45 | 35.22 | 35.07 | 34.88 | 34.33  |
| 1969 | 38.38 | 38.35 | 38.34 | 38.32 | 38.31 | 38.26 | 38.16 | 37.69 | 36.56  |
| 1970 | 40.52 | 40.48 | 40.47 | 40.43 | 40.26 | 40.17 | 40.13 | 39.91 | 39.17  |
| 1971 | 39.79 | 39.78 | 39.76 | 39.71 | 39.66 | 39.50 | 39.38 | 39.13 | 38.64  |
| 1972 | 37.54 | 37.50 | 37.48 | 37.42 | 37.28 | 37.18 | 36.96 | 36.72 | 36.27  |
| 1973 | 36.47 | 36.42 | 36.39 | 36.36 | 36.29 | 36.20 | 36.11 | 35.98 | 35.72  |
| 1974 | 36.04 | 36.02 | 35.98 | 35.95 | 35.89 | 35.83 | 35.80 | 35.63 | 35.16  |
| 1975 | 35.78 | 35.56 | 35.52 | 35.46 | 35.37 | 35.19 | 35.09 | 34.93 | 34.53  |
| 1976 | 35.34 | 35.30 | 35.28 | 35.25 | 35.21 | 35.13 | 35.01 | 34.84 | 34.42  |
| 1977 | 36.45 | 36.42 | 36.41 | 36.37 | 36.36 | 36.27 | 36.19 | 36.09 | 35.68  |
| 1978 | 36.07 | 36.04 | 36.04 | 36.01 | 35.89 | 35.67 | 35.48 | 35.26 | 34.89  |
| 1979 | 36.80 | 36.75 | 36.73 | 36.69 | 36.62 | 36.51 | 36.38 | 36.28 | 35.91  |

Table 62. --Observed Monthly Mean Elevations for Sandhill Lake

MONTHLY DATA FOR WATER YEARS - SANDHILL LAKE NR KEYSTONE HEIGHTS, ELEV. FT-MSL

|      | OCT    | NOV    | DEC    | JAN    | FEB    | MAR    | APR    | MAY    | JUN    | JUL    | AUG    | SEP    |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1958 | 131.61 | 131.41 | 131.35 | 131.39 | 131.36 | 131.70 | 131.86 | 131.71 | 131.57 | 131.63 | 131.55 | 131.40 |
| 1959 | 131.26 | 131.38 | 131.41 | 131.67 | 131.64 | 132.04 | 132.05 | 131.98 | 132.39 | 132.16 | 132.04 | 132.38 |
| 1960 | 132.30 | 132.00 | 131.70 | 131.65 | 131.59 | 131.85 | 132.09 | 131.77 | 131.59 | 131.81 | 132.00 | 132.26 |
| 1961 | --     | --     | --     | --     | --     | --     | --     | --     | --     | --     | --     | --     |
| 1962 | --     | --     | --     | --     | --     | --     | --     | --     | --     | --     | --     | --     |
| 1963 | --     | --     | --     | --     | --     | --     | --     | --     | --     | --     | --     | --     |
| 1964 | --     | --     | --     | --     | --     | --     | --     | --     | --     | --     | --     | --     |
| 1965 | --     | --     | --     | --     | --     | --     | --     | --     | --     | --     | --     | --     |
| 1966 | 132.02 | 131.74 | 131.79 | 131.82 | 131.90 | 132.09 | 131.73 | 131.81 | 131.84 | 131.84 | 131.93 | 131.80 |
| 1967 | 131.86 | 131.66 | 131.46 | 131.58 | 131.77 | 131.63 | 131.35 | 131.23 | 131.38 | 131.52 | 131.80 | 131.65 |
| 1968 | 131.39 | 131.15 | 131.33 | 131.30 | 131.18 | 131.18 | 130.99 | 130.79 | 130.95 | 131.12 | 131.24 | 131.84 |
| 1969 | 131.78 | 131.74 | 131.48 | 131.40 | 131.43 | 131.59 | 131.50 | 131.51 | 131.44 | 131.26 | 131.58 | 131.55 |
| 1970 | 131.87 | 131.94 | 131.93 | 132.06 | 132.44 | 132.44 | 132.55 | 132.02 | 131.99 | 132.00 | 132.14 | 132.00 |
| 1971 | 131.64 | 131.52 | 131.37 | 131.48 | 131.58 | 131.54 | 131.52 | 131.41 | 131.42 | 131.40 | 131.65 | 131.87 |
| 1972 | 131.74 | 131.56 | 131.72 | 131.72 | 131.85 | 131.77 | 131.82 | 131.85 | 132.07 | 132.03 | 131.98 | 132.10 |
| 1973 | 131.70 | 131.71 | 131.90 | 131.93 | 132.00 | 131.94 | 132.16 | --     | 132.14 | 132.27 | 132.25 | 132.12 |
| 1974 | 131.80 | 131.61 | 131.70 | 131.74 | 131.57 | 131.52 | 131.42 | 131.39 | 131.45 | 131.81 | 131.87 | 132.18 |
| 1975 | 131.76 | 131.52 | 131.50 | 131.71 | 131.71 | 131.61 | 131.45 | 131.36 | 131.43 | 131.72 | 131.72 | 131.86 |
| 1976 | 131.89 | 131.63 | 131.46 | 131.44 | 131.50 | 131.21 | 131.20 | 131.15 | --     | 131.48 | 131.38 | 131.20 |
| 1977 | 131.50 | 131.22 | 131.20 | 131.66 | 131.56 | 131.62 | 131.26 | --     | 131.02 | 131.02 | 131.14 | --     |
| 1978 | 131.03 | 130.85 | 130.87 | 131.12 | 131.52 | 131.88 | 131.80 | 131.78 | 131.56 | 131.88 | 132.49 | 132.44 |
| 1979 | 131.82 | 131.48 | 131.63 | 131.95 | 132.10 | 132.26 | 131.89 | 131.92 | 131.62 | 131.45 | 131.51 | 131.54 |
| MEAN | 131.70 | 131.54 | 131.52 | 131.63 | 131.69 | 131.76 | 131.69 | 131.58 | 131.62 | 131.67 | 131.78 | 131.89 |

Table 63. --Observed Monthly Mean Elevations for Magnolia Lake

MONTHLY DATA FOR WATER YEARS - MAGNOLIA LAKE NR KEYSTONE HEIGHTS, ELEV. FT-MSL

|      | OCT    | NOV    | DEC    | JAN    | FEB    | MAR    | APR    | MAY    | JUN    | JUL    | AUG    | SEP    |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1961 | 125.08 | 124.79 | 124.52 | 124.54 | 124.71 | 124.63 | 124.40 | 124.17 | 124.01 | 124.57 | 125.15 | 125.36 |
| 1962 | 124.88 | 124.80 | 124.59 | 124.49 | 124.49 | 124.22 | 124.17 | 123.80 | 124.07 | 124.41 | 124.79 | 124.82 |
| 1963 | 124.52 | 124.15 | 124.07 | 124.12 | 124.37 | 124.36 | 123.96 | 123.62 | 123.76 | 124.35 | 124.76 | 124.83 |
| 1964 | 124.80 | 124.54 | 124.40 | 124.76 | 125.01 | 124.90 | 124.50 | 124.50 | 124.18 | 124.44 | 125.03 | 125.59 |
| 1965 | 125.34 | 125.12 | 125.12 | 125.01 | 125.03 | 125.15 | 124.82 | 124.40 | 124.59 | 124.89 | 125.34 | 125.13 |
| 1966 | 125.18 | 124.81 | 124.81 | 124.89 | 125.03 | 125.17 | 124.75 | 124.71 | 124.73 | 124.77 | 124.89 | 124.99 |
| 1967 | --     | --     | --     | --     | --     | --     | --     | --     | --     | --     | --     | --     |
| 1968 | --     | --     | --     | --     | --     | --     | --     | --     | --     | --     | --     | --     |
| 1969 | --     | --     | --     | --     | --     | --     | 124.19 | 124.23 | 124.14 | 124.04 | 124.39 | 124.45 |
| 1970 | 124.92 | 124.99 | 124.94 | 125.14 | 125.63 | 125.40 | 125.56 | 124.97 | 124.97 | 125.12 | 125.40 | 125.36 |
| 1971 | 124.87 | 124.65 | 124.48 | 124.60 | 124.68 | 124.63 | 124.53 | 124.32 | 124.21 | 124.34 | 124.66 | 125.03 |
| 1972 | 124.90 | 124.78 | 124.97 | 124.89 | 124.93 | 124.90 | 124.93 | 124.97 | 125.27 | 125.25 | 125.18 | 125.53 |
| 1973 | 124.85 | 124.92 | 125.09 | 125.11 | 125.18 | 125.09 | 125.35 | 125.01 | 125.27 | 125.77 | 125.63 | 125.63 |
| 1974 | 125.05 | 124.67 | 124.73 | 124.79 | 124.57 | 124.36 | 124.23 | 124.13 | 124.17 | 124.65 | 124.88 | 125.32 |
| 1975 | 124.92 | 124.60 | 124.56 | 124.65 | 124.72 | 124.62 | 124.33 | 124.08 | 123.86 | 124.60 | 124.66 | 124.89 |
| 1976 | 125.20 | 124.80 | 124.60 | 124.58 | 124.57 | 124.31 | 123.98 | 123.75 | 124.19 | 124.59 | 124.33 | 124.46 |
| 1977 | 124.35 | 123.95 | 124.23 | 124.62 | 124.57 | 124.48 | 124.05 | 123.66 | 123.31 | 122.89 | 122.89 | 123.23 |
| 1978 | 122.96 | 122.45 | 122.41 | 122.59 | 123.53 | 124.62 | 124.35 | 124.29 | 124.28 | 124.70 | 125.48 | 125.00 |
| 1979 | 124.71 | 124.35 | 124.34 | 124.52 | 125.11 | 125.08 | 124.94 | --     | 124.51 | 124.37 | 124.47 | 124.61 |
| MEAN | 124.78 | 124.52 | 124.49 | 124.58 | 124.76 | 124.75 | 124.53 | 124.29 | 124.33 | 124.57 | 124.82 | 124.96 |

Table 64. --Observed Monthly Mean Elevations for Brooklyn Lake

MONTHLY DATA FOR WATER YEARS -- BROOKLYN LAKE AT KEYSTONE HEIGHTS, ELEV. FT-MSL

|      | OCT    | NOV    | DEC    | JAN    | FEB    | MAR    | APR    | MAY    | JUN    | JUL    | AUG    | SEP    |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1958 | 98.13  | 97.78  | 97.56  | 97.46  | 97.37  | 97.59  | 97.64  | 98.40  | 98.35  | 98.72  | 99.05  | 99.47  |
| 1959 | 99.34  | 99.57  | 99.81  | 100.50 | 101.10 | 102.51 | 104.80 | 105.99 | 108.59 | 110.24 | 111.59 | 113.26 |
| 1960 | 115.10 | 115.78 | 115.83 | 115.79 | 115.73 | 116.10 | 116.82 | 116.65 | 116.14 | 116.43 | 116.89 | 117.20 |
| 1961 | 117.25 | 116.74 | 116.20 | 116.06 | 116.21 | 116.33 | --     | 115.56 | --     | --     | 116.13 | 117.07 |
| 1962 | --     | --     | --     | --     | --     | --     | --     | --     | --     | --     | --     | --     |
| 1963 | --     | --     | --     | --     | --     | --     | --     | --     | --     | --     | --     | --     |
| 1964 | --     | --     | --     | --     | --     | --     | --     | --     | --     | --     | --     | --     |
| 1965 | --     | --     | --     | --     | --     | --     | --     | --     | --     | --     | --     | --     |
| 1966 | 116.70 | 116.28 | 116.04 | 115.94 | 115.94 | 116.32 | 115.87 | 115.69 | 115.73 | 115.76 | 115.91 | 116.11 |
| 1967 | 116.09 | 115.69 | 115.34 | 115.39 | 115.52 | 115.54 | 115.16 | 114.96 | 114.36 | 114.14 | 114.47 | 114.52 |
| 1968 | 114.00 | 113.23 | 112.76 | 112.33 | 111.64 | 111.07 | 110.29 | 109.44 | 108.91 | 108.34 | 107.71 | 108.44 |
| 1969 | 108.74 | 109.04 | 108.94 | 108.72 | 108.55 | 108.65 | 108.59 | 108.33 | 107.83 | 107.21 | 107.28 | 107.41 |
| 1970 | 108.12 | 108.75 | 109.37 | 110.37 | 112.32 | 114.24 | 116.04 | 115.77 | 115.59 | 115.69 | 115.71 | 115.97 |
| 1971 | 115.41 | 114.95 | 114.35 | 114.17 | 114.09 | 114.02 | 113.88 | 113.34 | 112.58 | 112.22 | 112.05 | 112.50 |
| 1972 | 112.62 | 112.36 | 112.60 | 112.79 | 113.10 | 113.28 | 113.64 | 113.91 | 114.86 | 115.67 | 115.70 | 116.38 |
| 1973 | 115.69 | 115.43 | 115.63 | 115.83 | 115.84 | 115.78 | 116.17 | 115.76 | 115.91 | 116.59 | 116.49 | 116.30 |
| 1974 | 115.81 | 115.27 | 115.10 | 115.22 | 114.99 | 114.49 | 113.92 | 113.20 | 112.53 | 112.48 | 112.80 | 113.79 |
| 1975 | 113.75 | 113.24 | 112.82 | 112.74 | 112.74 | 112.56 | 111.98 | 111.33 | 110.79 | 110.59 | 110.62 | 110.70 |
| 1976 | 111.04 | 110.84 | 110.38 | 110.12 | 109.79 | 109.10 | 108.25 | 107.60 | 107.41 | 107.28 | 106.73 | 106.17 |
| 1977 | 105.66 | 104.84 | 104.66 | 104.94 | 105.03 | 105.00 | 104.42 | 103.71 | 102.86 | 102.26 | 101.90 | 101.68 |
| 1978 | 100.99 | 100.21 | 99.82  | 99.54  | 99.25  | 100.37 | 100.62 | 100.69 | 100.77 | 101.55 | 104.31 | 105.94 |
| 1979 | 106.08 | 105.60 | 105.37 | 105.31 | 105.79 | 106.52 | 106.95 | 107.16 | 106.60 | 106.26 | 105.83 | 105.62 |
| MEAN | 110.58 | 110.31 | 110.14 | 110.18 | 110.28 | 110.53 | 110.30 | 110.42 | 109.99 | 110.08 | 110.62 | 111.03 |



Table 65. --Observed Monthly Mean Elevations for Lake Geneva

MONTHLY DATA FOR WATER YEARS - LAKE GENEVA AT KEYSTONE HEIGHTS, ELEV. FT-MSL

|      | OCT    | NOV    | DEC    | JAN    | FEB    | MAR    | APR    | MAY    | JUN    | JUL    | AUG    | SEP    |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1958 | 100.99 | 100.70 | 100.54 | 100.49 | 100.46 | 100.77 | 100.86 | 100.72 | 100.42 | 100.48 | 100.39 | 100.20 |
| 1959 | 99.89  | 99.99  | 99.97  | 100.15 | 100.20 | 100.62 | 100.94 | 100.90 | 101.27 | 101.55 | 101.74 | 102.24 |
| 1960 | 102.43 | 102.30 | 102.19 | 102.18 | 102.18 | 102.47 | 102.74 | 102.72 | 102.53 | 103.12 | 103.79 | 104.23 |
| 1961 | 105.04 | 105.43 | 105.45 | 105.55 | --     | --     | --     | --     | --     | --     | --     | --     |
| 1962 | --     | --     | --     | --     | --     | --     | --     | --     | --     | --     | --     | --     |
| 1963 | --     | --     | --     | --     | --     | --     | --     | --     | --     | --     | --     | --     |
| 1964 | --     | --     | --     | --     | --     | --     | --     | --     | --     | --     | --     | --     |
| 1965 | --     | --     | --     | --     | --     | --     | --     | --     | --     | --     | --     | --     |
| 1966 | 106.43 | 106.20 | 106.13 | 106.29 | 106.36 | 106.89 | 106.56 | 106.49 | --     | 106.46 | 106.96 | 106.81 |
| 1967 | 106.93 | 106.37 | 106.21 | 106.33 | 106.48 | 106.41 | 106.04 | 105.82 | 105.95 | 106.15 | 106.18 | 105.94 |
| 1968 | 105.49 | 105.16 | 105.05 | 104.98 | 104.75 | 104.54 | 104.26 | 103.87 | 103.79 | 103.75 | 103.57 | 104.03 |
| 1969 | 103.86 | 103.83 | 103.57 | 103.39 | 103.38 | 103.44 | 103.32 | 103.04 | 102.79 | 102.50 | 102.74 | 102.86 |
| 1970 | 103.23 | 103.20 | 103.20 | 103.42 | --     | 104.36 | 105.00 | 105.08 | 105.32 | 105.83 | 106.23 | 106.47 |
| 1971 | 106.20 | 105.97 | 105.60 | 105.59 | 105.70 | 105.59 | 105.42 | 105.12 | 104.87 | 104.78 | 104.78 | 105.02 |
| 1972 | 104.89 | 104.57 | 104.75 | 104.78 | 104.81 | 104.69 | 104.75 | 104.78 | 105.06 | 105.22 | 105.20 | 105.93 |
| 1973 | 105.75 | 105.78 | 106.04 | 106.23 | 106.40 | 106.42 | 106.72 | 106.37 | 106.70 | 107.08 | 107.10 | 106.86 |
| 1974 | 106.46 | 106.07 | 106.05 | 106.08 | 105.95 | 105.76 | 105.60 | 105.35 | 105.19 | 105.47 | 105.63 | 106.05 |
| 1975 | 105.61 | 105.24 | 105.15 | 105.23 | 105.32 | 105.29 | 104.99 | 104.77 | 104.53 | 104.56 | 104.60 | 104.65 |
| 1976 | 104.55 | 104.21 | 103.91 | 103.89 | 103.74 | 103.40 | 103.14 | 102.96 | 103.25 | 103.16 | 102.82 | 102.54 |
| 1977 | 102.15 | 101.74 | 101.05 | 102.15 | 102.09 | 102.01 | 101.49 | 101.15 | 100.91 | 100.57 | 100.33 | 100.39 |
| 1978 | 100.11 | 99.67  | 99.75  | 100.00 | 100.25 | 100.58 | 100.23 | 100.08 | 100.10 | 100.40 | 101.20 | 100.95 |
| 1979 | 100.56 | 100.18 | 100.10 | 100.34 | 100.52 | 100.59 | 100.60 | 100.53 | 100.22 | 100.13 | 100.04 | 100.15 |
| MEAN | 103.92 | 103.70 | 103.64 | 103.73 | 103.66 | 103.75 | 103.69 | 103.52 | 103.31 | 103.60 | 103.72 | 103.84 |

Table 66. --Observed Monthly Mean Elevations for Pebble Lake

MONTHLY DATA FOR WATER YEARS - PEBBLE LAKE NEAR KEYSTONE HEIGHTS, ELEV. FT-MSL

|      | OCT    | NOV    | DEC    | JAN    | FEB    | MAR    | APR    | MAY    | JUN    | JUL    | AUG    | SEP    |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1946 | 104.00 | 103.94 | 104.06 | 104.67 | 105.03 | 105.27 | 105.08 | 105.19 | 106.33 | 107.32 | --     | --     |
| 1947 | --     | --     | 111.15 | 110.92 | 110.76 | 110.49 | 110.41 | 110.02 | 109.67 | 109.35 | 108.87 | 108.57 |
| 1948 | 109.55 | 110.94 | 112.30 | 112.88 | 113.26 | 114.37 | 114.50 | 115.27 | 115.16 | 115.78 | 114.30 | 114.26 |
| 1949 | --     | 114.46 | 113.88 | 113.52 | 113.06 | 112.51 | 112.45 | 111.56 | 111.43 | 110.16 | 109.21 | 108.53 |
| 1950 | 108.06 | 107.65 | 107.17 | 106.68 | 105.78 | --     | 104.55 | 104.33 | 102.36 | 102.03 | 101.36 | --     |
| 1951 | --     | --     | 104.90 | 105.55 | --     | --     | --     | --     | --     | --     | --     | --     |
| 1952 | --     | --     | --     | --     | --     | --     | --     | --     | --     | 96.84  | 96.83  | 98.24  |
| 1953 | 98.28  | --     | --     | 98.62  | 98.55  | 98.30  | 98.59  | 98.84  | 99.52  | 99.73  | 100.46 | --     |
| 1954 | --     | --     | --     | --     | --     | --     | --     | --     | --     | --     | --     | --     |
| 1955 | --     | 100.94 | 100.10 | 99.08  | 98.18  | 97.21  | 96.29  | 95.08  | 93.94  | 93.10  | 92.60  | 91.84  |
| 1956 | 90.98  | 90.28  | 89.65  | 88.96  | 88.72  | 88.26  | 87.46  | 86.96  | 86.43  | 86.30  | 85.87  | --     |
| 1957 | 85.69  | 85.60  | 85.25  | 84.97  | 84.74  | 84.64  | 84.52  | 84.72  | 85.31  | 85.83  | 86.57  | 87.32  |
| 1958 | 88.75  | 90.54  | --     | 92.81  | 93.29  | 93.83  | 94.50  | 94.99  | 95.42  | 95.62  | 95.45  | --     |
| 1959 | 94.37  | 93.81  | 93.24  | 92.86  | 92.41  | 92.63  | 95.22  | 97.01  | 99.16  | 100.87 | 101.98 | 103.58 |
| 1960 | --     | 106.74 | 106.99 | 106.91 | 106.61 | --     | 106.85 | 107.43 | 106.95 | --     | 107.26 | --     |
| 1961 | 109.73 | 110.05 | 109.99 | 109.72 | 109.48 | 108.74 | 107.84 | 106.92 | 105.94 | 105.54 | 104.90 | 105.12 |
| 1962 | 104.89 | 104.69 | 104.13 | 103.50 | 102.77 | 101.86 | 100.51 | 99.07  | 97.85  | 96.69  | 95.58  | 94.46  |
| 1963 | 93.41  | 92.38  | 91.62  | 90.84  | 90.56  | 90.18  | 89.37  | 88.83  | 88.74  | 89.71  | 90.27  | 91.57  |
| 1964 | 93.92  | 95.32  | 96.28  | 97.54  | 98.32  | 99.34  | 99.81  | 99.85  | 99.31  | 98.96  | 99.22  | 101.36 |
| 1965 | 103.80 | 105.06 | 105.67 | 105.75 | 105.67 | 105.82 | 105.87 | 105.33 | 105.53 | 106.49 | 108.82 | 110.29 |
| 1966 | 111.04 | 110.88 | 110.63 | 110.15 | 109.68 | 109.68 | 109.54 | 109.34 | 108.82 | 108.16 | 107.44 | --     |
| 1967 | 106.90 | 106.28 | 105.76 | 105.16 | 104.62 | 103.93 | 102.83 | 102.43 | 101.80 | 101.66 | 102.03 | 102.07 |
| 1968 | 101.94 | 101.64 | 101.09 | 100.33 | 99.44  | 98.40  | 97.18  | 95.59  | 94.41  | 93.19  | --     | 93.02  |
| 1969 | 93.56  | 94.46  | 95.05  | 95.07  | 94.92  | 94.77  | 94.44  | 94.24  | 94.06  | 93.32  | 93.40  | 94.06  |
| 1970 | --     | 96.80  | 97.95  | 98.84  | 100.75 | 102.91 | 104.84 | 105.91 | 106.54 | 106.64 | 106.86 | 107.10 |
| 1971 | 106.74 | 106.03 | 105.21 | 104.38 | 103.57 | 102.60 | 101.85 | 100.76 | 99.73  | 99.44  | 99.05  | 99.66  |
| 1972 | 100.33 | 100.62 | 101.08 | 101.13 | 101.27 | 101.34 | 101.92 | 102.56 | --     | 104.08 | 104.66 | 105.39 |
| 1973 | 105.51 | 105.54 | 105.51 | 105.14 | 105.08 | 104.91 | 105.77 | 106.32 | 107.17 | 108.89 | 109.72 | 109.93 |
| 1974 | 109.67 | 109.16 | 108.51 | 107.67 | 106.53 | 105.44 | 103.80 | --     | 101.07 | 100.11 | 99.32  | 98.63  |
| 1975 | 98.18  | 97.80  | 97.53  | 97.23  | 96.67  | 95.80  | 94.71  | 93.68  | 92.76  | 92.15  | 91.50  | 90.96  |
| 1976 | 90.64  | 90.26  | 89.73  | 89.55  | 89.18  | 88.47  | 87.71  | 87.24  | 87.19  | 87.09  | 86.66  | 86.58  |
| 1977 | 86.44  | 86.02  | 86.07  | 86.63  | 86.85  | 86.85  | 86.89  | 86.68  | 86.48  | 86.15  | 86.24  | 86.40  |
| 1978 | 85.84  | 85.45  | 85.44  | 85.80  | 86.17  | 87.04  | 87.81  | 88.60  | 88.98  | 88.79  | 90.11  | 90.83  |
| 1979 | 91.26  | 90.92  | 90.91  | 90.45  | 90.36  | 89.92  | 89.64  | 89.38  | 89.17  | 88.99  | 89.38  | 89.52  |
| MEAN | 98.98  | 99.80  | 100.56 | 100.10 | 99.75  | 99.15  | 99.45  | 99.14  | 98.91  | 98.68  | 98.87  | 98.77  |

Table 67. --Observed Monthly Mean Elevations for Little Lake Johnson

MONTHLY DATA FOR WATER YEARS - LITTLE LAKE JOHNSON NR KEYSTONE HEIGHTS, ELEV. FT-MSL

|      | OCT    | NOV    | DEC    | JAN    | FEB    | MAR    | APR    | MAY    | JUN    | JUL    | AUG    | SEP    |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1946 | 98.07  | 97.87  | 97.92  | 98.43  | 98.45  | 98.38  | 98.30  | 98.63  | 98.89  | 98.96  | 99.30  | 99.73  |
| 1947 | 99.94  | 99.99  | 99.94  | 99.78  | 99.75  | 100.06 | 100.30 | 100.01 | 99.89  | 99.95  | 99.97  | 100.01 |
| 1948 | 100.83 | 101.92 | 101.91 | 102.15 | 102.73 | 103.80 | 103.81 | 103.69 | 103.44 | 104.19 | 103.62 | 103.91 |
| 1949 | --     | 103.85 | 103.63 | 103.61 | 104.06 | 103.46 | 103.61 | 102.93 | 102.86 | 102.81 | 102.33 | 102.78 |
| 1950 | 102.48 | 102.31 | 102.08 | 101.68 | 101.34 | 101.13 | --     | 100.91 | 99.55  | 99.63  | 99.58  | --     |
| 1951 | --     | --     | 99.87  | 100.00 | --     | --     | --     | --     | --     | 97.76  | --     | --     |
| 1952 | 97.67  | 97.21  | 97.18  | 96.86  | 96.97  | 96.87  | 96.73  | 96.93  | 96.84  | 96.68  | 96.80  | 96.66  |
| 1953 | 96.65  | --     | --     | 96.13  | 96.13  | 96.03  | 96.01  | 96.05  | 95.63  | 95.80  | 96.44  | 97.66  |
| 1954 | 98.14  | 98.27  | 98.68  | 98.97  | 99.05  | 98.93  | 98.69  | 98.35  | 97.98  | 97.77  | 97.35  | 97.08  |
| 1955 | 97.14  | 96.80  | 96.70  | 96.21  | 96.26  | 95.79  | 95.45  | 94.69  | 94.00  | 93.64  | 93.70  | 93.02  |
| 1956 | 92.88  | 92.91  | 92.82  | 92.77  | 92.87  | 92.66  | 92.28  | 92.30  | 92.06  | 92.25  | 92.06  | 92.08  |
| 1957 | 92.11  | 92.20  | 92.03  | 91.92  | 91.90  | 92.17  | 92.22  | 92.46  | 93.15  | 94.11  | 94.83  | 94.84  |
| 1958 | 95.00  | 95.03  | --     | 95.04  | 95.04  | 94.98  | 94.98  | 94.70  | 94.99  | 95.01  | 95.01  | --     |
| 1959 | 95.04  | 94.96  | 94.99  | 94.99  | 95.00  | 95.03  | 95.09  | 95.14  | 95.25  | 95.19  | 95.23  | 95.34  |
| 1960 | --     | 95.74  | 95.68  | 95.63  | 95.59  | --     | 96.36  | 96.49  | 96.24  | 96.13  | 97.10  | --     |
| 1961 | 98.30  | 98.44  | 98.35  | 98.35  | 98.47  | 98.33  | 97.98  | 97.58  | 97.30  | 97.43  | 97.32  | 97.67  |
| 1962 | 97.34  | 97.17  | 96.87  | 96.61  | 96.36  | 96.02  | 95.53  | 95.21  | 95.13  | 95.07  | 94.99  | 94.95  |
| 1963 | 94.91  | 94.94  | 94.93  | 94.93  | 95.00  | 94.92  | 94.84  | 94.84  | 94.92  | 95.03  | 95.09  | 95.08  |
| 1964 | 95.11  | 95.10  | 95.09  | 95.13  | 95.10  | 95.10  | 95.09  | 95.05  | 95.02  | 95.04  | 95.09  | 95.20  |
| 1965 | 95.20  | 95.20  | 95.30  | 95.46  | 95.61  | 95.91  | 95.88  | 95.42  | 95.95  | 96.45  | 97.44  | 97.60  |
| 1966 | 97.84  | 97.67  | 97.66  | 97.78  | 97.95  | 98.25  | 98.07  | 98.15  | 98.06  | 97.98  | 98.01  | --     |
| 1967 | 98.12  | 97.79  | 97.54  | 97.48  | 97.54  | 97.30  | 96.50  | 96.37  | 96.50  | 96.54  | 96.54  | 96.40  |
| 1968 | 96.11  | 95.77  | 95.60  | 95.00  | 94.62  | 94.34  | 94.09  | 93.88  | 94.79  | 94.93  | --     | 93.49  |
| 1969 | 93.23  | 94.15  | 93.56  | 93.19  | 93.16  | 93.20  | 93.54  | 94.71  | 95.24  | 95.28  | 95.42  | 95.48  |
| 1970 | --     | 94.84  | 95.53  | 95.56  | 95.61  | 95.73  | 95.89  | 95.71  | 95.75  | 95.77  | 96.04  | 96.19  |
| 1971 | 95.87  | 95.72  | 95.55  | 95.50  | 95.50  | 95.43  | 95.36  | 95.32  | 95.35  | 95.39  | 95.38  | 95.42  |
| 1972 | 95.50  | 95.41  | 95.39  | 95.38  | 95.36  | 95.32  | 95.38  | 95.44  | --     | 95.46  | 95.47  | 95.57  |
| 1973 | 95.52  | 95.52  | 95.63  | 95.70  | 95.88  | 95.97  | 96.52  | 96.35  | 96.69  | 97.28  | 97.60  | 97.65  |
| 1974 | 97.49  | 97.20  | 97.09  | 96.92  | 96.46  | 96.10  | 95.78  | --     | 94.51  | 94.48  | 94.30  | 94.18  |
| 1975 | 93.61  | 93.09  | 92.84  | 92.86  | 92.69  | 92.40  | 91.86  | 91.40  | 91.09  | 91.02  | 91.08  | 92.12  |
| 1976 | 93.15  | 93.51  | 93.74  | 94.30  | 94.45  | 94.09  | 94.22  | 94.83  | 95.16  | 95.19  | 95.05  | 95.18  |
| 1977 | 95.21  | 95.28  | 95.28  | 95.40  | 95.39  | 95.35  | 95.30  | 95.22  | 95.23  | 95.19  | 95.23  | 95.19  |
| 1978 | 94.69  | 94.69  | 94.81  | 95.20  | 95.31  | 95.28  | 95.21  | 95.20  | 95.29  | 95.22  | 95.41  | 95.34  |
| 1979 | 95.37  | 95.35  | 95.39  | 95.39  | 95.34  | 95.33  | 95.29  | 95.30  | 95.24  | 95.29  | 95.36  | 95.41  |
| MEAN | 96.28  | 96.43  | 96.55  | 96.48  | 96.39  | 96.37  | 96.13  | 96.23  | 96.19  | 96.29  | 96.38  | 96.25  |

Table 68. --Observed Monthly Mean Elevations for Lake Johnson

MONTHLY DATA FOR WATER YEARS - LAKE JOHNSON NR KEYSTONE HEIGHTS, ELEV. FT-MSL

|      | OCT   | NOV   | DEC   | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1960 | --    | 95.70 | --    | 95.66 | 95.65 | --    | --    | --    | 96.23 | --    | --    | --    |
| 1961 | --    | --    | --    | --    | --    | --    | --    | --    | --    | --    | --    | --    |
| 1962 | --    | --    | --    | --    | --    | --    | --    | --    | --    | --    | --    | --    |
| 1963 | --    | --    | --    | 91.38 | 91.44 | 91.32 | 90.75 | 90.41 | 90.45 | 91.59 | 91.81 | 92.04 |
| 1964 | 92.52 | 92.44 | 92.34 | 92.95 | 93.50 | 93.84 | 93.63 | 93.34 | 92.65 | 92.39 | 92.70 | 94.27 |
| 1965 | 94.78 | 95.06 | 95.27 | 95.45 | 95.58 | 95.91 | 95.88 | 95.38 | 95.77 | 96.45 | 97.44 | 97.60 |
| 1966 | --    | --    | --    | --    | --    | --    | --    | --    | --    | --    | --    | --    |
| 1967 | --    | --    | --    | --    | --    | --    | --    | --    | --    | --    | --    | --    |
| 1968 | --    | --    | --    | 95.30 | 94.64 | 94.13 | 93.53 | 92.60 | 92.09 | 91.65 | --    | 92.74 |
| 1969 | 92.65 | 92.85 | 92.65 | 92.38 | 92.01 | 92.41 | 92.09 | 91.44 | 91.20 | 90.71 | 91.00 | 91.38 |
| 1970 | --    | 92.35 | 92.76 | 93.27 | 94.35 | 94.99 | 95.78 | 95.67 | 95.67 | 95.69 | 95.99 | 96.15 |
| 1971 | 95.82 | 95.53 | 95.07 | 94.94 | 94.84 | 94.61 | 94.42 | 93.82 | 93.10 | 93.23 | 93.00 | 93.34 |
| 1972 | 93.33 | 93.04 | 93.44 | 93.45 | 93.63 | 93.50 | 93.69 | 93.84 | --    | 94.67 | 94.82 | 95.46 |
| 1973 | 95.32 | 95.32 | 95.59 | 95.65 | 95.83 | 95.94 | 96.52 | 96.34 | 96.68 | 97.28 | 97.60 | 97.65 |
| 1974 | 97.49 | 97.20 | 97.09 | 96.92 | 96.46 | 96.10 | 95.76 | --    | 94.61 | 94.72 | 94.64 | 94.39 |
| 1975 | 93.78 | 93.20 | 92.89 | 92.79 | 92.62 | 92.18 | 91.56 | 91.03 | 90.60 | 90.38 | 90.22 | 90.05 |
| 1976 | 90.02 | 89.83 | 89.70 | 89.78 | 89.72 | 89.36 | 88.87 | 88.63 | 88.73 | 88.88 | 88.46 | 88.69 |
| 1977 | 88.70 | 88.45 | 88.58 | 88.64 | 88.61 | 88.59 | 88.44 | 88.12 | 88.11 | 87.80 | 87.84 | 88.09 |
| 1978 | 87.57 | 87.54 | 87.76 | 88.04 | 88.47 | 88.91 | 88.75 | 88.58 | 88.56 | 88.47 | 89.80 | 89.82 |
| 1979 | 89.57 | 89.15 | 89.36 | 89.71 | 90.08 | 90.17 | 90.02 | 90.16 | 89.61 | 89.86 | 90.25 | 90.40 |
| MEAN | 92.64 | 92.69 | 92.50 | 92.89 | 92.97 | 92.80 | 92.65 | 92.10 | 92.27 | 92.25 | 92.54 | 92.80 |

100

Tabel 69. --Observed Monthly Mean Elevations for Kingsley Lake

MONTHLY DATA FOR WATER YEARS - KINGSLEY LAKE AT CAMP BLANDING, ELEV. FT-MSL

|      | OCT    | NOV    | DEC    | JAN    | FEB    | MAR    | APR    | MAY    | JUN    | JUL    | AUG    | SEP    |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1947 | 176.27 | --     | --     | --     | --     | 176.43 | 176.60 | 176.31 | 176.49 | 176.37 | 176.43 | 176.67 |
| 1948 | 176.91 | 176.84 | 176.45 | 176.44 | 176.64 | 177.15 | 176.71 | 176.12 | 175.93 | 175.98 | 176.42 | 176.40 |
| 1949 | 176.66 | 176.29 | 176.41 | 176.33 | 176.48 | 176.29 | 176.44 | 176.39 | 176.30 | 176.25 | 176.20 | 176.43 |
| 1950 | 176.33 | 176.40 | 176.31 | 176.23 | 176.12 | 176.08 | 176.02 | 176.01 | 175.85 | 176.30 | 176.41 | 176.93 |
| 1951 | 177.45 | 177.14 | 176.79 | 176.78 | 176.75 | 176.75 | 176.79 | 176.55 | 176.30 | 176.31 | 176.55 | 176.68 |
| 1952 | 176.74 | 176.68 | 176.79 | 176.77 | 176.90 | 177.09 | 176.80 | 176.50 | 176.69 | 176.64 | 176.40 | 176.43 |
| 1953 | 176.57 | 176.43 | 176.29 | 176.40 | 176.65 | 176.65 | 177.06 | 176.77 | 176.60 | 176.85 | 177.19 | 177.14 |
| 1954 | 176.75 | 176.45 | 176.52 | 176.70 | 176.51 | 176.40 | 176.41 | 176.18 | 175.93 | 175.82 | 175.59 | 175.44 |
| 1955 | 175.54 | 175.34 | 175.17 | 175.25 | 175.56 | 175.59 | 175.52 | 175.23 | 174.96 | 174.98 | 175.01 | 175.05 |
| 1956 | 175.02 | 174.79 | 174.61 | 174.52 | 174.78 | 174.79 | 174.42 | 174.72 | 174.69 | 175.12 | 175.00 | 174.91 |
| 1957 | 175.18 | 175.30 | 175.07 | 174.92 | 174.88 | 174.95 | 175.13 | 175.18 | 175.58 | 175.82 | 176.48 | 176.55 |
| 1958 | 176.70 | 176.33 | 176.19 | 176.19 | 176.23 | 176.62 | 176.71 | 176.58 | 176.28 | 176.33 | 176.48 | 176.18 |
| 1959 | 176.01 | 176.16 | 176.28 | 176.56 | 176.51 | 176.95 | 176.80 | 176.67 | 176.73 | 176.54 | 176.39 | 176.92 |
| 1960 | 176.78 | 176.32 | 176.15 | 176.18 | 176.37 | 176.53 | 176.53 | 176.23 | 176.03 | 176.39 | 176.52 | 176.55 |
| 1961 | 176.59 | 176.23 | 176.03 | 176.06 | 176.34 | 176.41 | 176.35 | 176.15 | 176.16 | 176.52 | 176.78 | 176.67 |
| 1962 | 176.13 | 176.21 | 176.09 | 176.02 | 176.13 | 176.08 | 176.04 | 175.84 | 176.10 | 176.11 | 176.20 | 176.04 |
| 1963 | 175.79 | 175.46 | 175.37 | 175.51 | 175.92 | 176.15 | 175.93 | 175.73 | 175.64 | 176.42 | 176.52 | 176.43 |
| 1964 | 176.34 | 176.08 | 175.99 | 176.45 | 176.61 | 176.49 | 176.24 | 176.39 | 175.99 | 176.07 | 176.53 | 177.16 |
| 1965 | 176.58 | 176.37 | 176.39 | 176.31 | 176.42 | 176.50 | 176.19 | 175.84 | 175.98 | 176.34 | 176.47 | 176.17 |
| 1966 | 176.02 | 175.80 | 175.81 | 176.04 | 176.27 | 176.72 | 176.32 | 176.55 | 176.46 | 176.50 | 176.46 | 176.29 |
| 1967 | 176.38 | 176.19 | 175.91 | 176.09 | 176.36 | 176.18 | 175.91 | 175.70 | 175.67 | 175.99 | 176.40 | 176.07 |
| 1968 | 175.78 | 175.52 | 175.65 | 175.78 | 175.70 | 175.70 | 175.56 | 175.41 | 175.66 | 175.98 | 176.42 | 177.02 |
| 1969 | 176.52 | 176.42 | 176.11 | 176.04 | 176.18 | 176.42 | 176.29 | 176.23 | 176.11 | 176.06 | 176.28 | 176.29 |
| 1970 | 176.53 | 176.49 | 176.60 | 176.69 | 176.97 | 176.69 | 176.86 | 176.22 | 176.13 | 176.20 | 176.35 | 176.38 |
| 1971 | 176.03 | 175.78 | 175.58 | 175.70 | 175.82 | 175.83 | 175.82 | 175.67 | 175.75 | 175.99 | 176.22 | 176.32 |
| 1972 | 176.04 | 175.98 | 176.20 | 176.22 | 176.35 | 176.23 | 176.27 | 176.19 | 176.45 | 176.53 | 176.63 | 176.71 |
| 1973 | 176.13 | 176.10 | 176.21 | 176.18 | 176.31 | 176.25 | 176.47 | --     | 176.32 | 176.48 | 176.57 | 176.51 |
| 1974 | 176.13 | 175.82 | 175.90 | 176.03 | 176.01 | 175.91 | 175.96 | 175.84 | 175.97 | 176.32 | 176.56 | 176.54 |
| 1975 | 176.11 | 175.86 | 175.81 | 176.07 | 176.18 | 176.13 | 176.12 | 176.00 | 176.03 | 176.09 | 176.10 | 176.34 |
| 1976 | 176.37 | 176.05 | 175.83 | 175.95 | 176.03 | 175.92 | 175.90 | 175.99 | 176.19 | 176.20 | 175.90 | 175.91 |
| 1977 | 175.81 | 175.52 | 175.76 | 176.08 | 176.06 | 176.07 | 175.74 | 175.58 | 175.68 | 175.69 | 175.76 | 175.94 |
| 1978 | 175.63 | 175.42 | 175.46 | 175.71 | 176.06 | 176.15 | 176.04 | 176.36 | 176.16 | 176.22 | 176.75 | 176.29 |
| 1979 | 175.80 | 175.56 | 175.61 | 176.01 | 176.23 | 176.20 | 176.05 | 176.25 | 176.13 | 176.10 | 176.03 | 176.43 |
| MEAN | 176.23 | 176.04 | 175.98 | 176.07 | 176.20 | 176.25 | 176.18 | 176.04 | 176.03 | 176.17 | 176.30 | 176.36 |

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3. Water Resources Data for Florida, Vol. 1 Northeast Florida, U.S. Geological Survey Water Data FL-80-1, Water Year 1980.

INDEX TO LAKES PRESENTED IN THIS REPORT

| Name of the Lake                             | Monthly Mean Elevations | Highest Elevations for Different Durations | Lowest Elevations for Different Durations | Peak Elevations for Different Return Periods | Low Elevations for Different Return Periods | Other General Information |
|--|-------------------------|--|---|--|---|---------------------------|
|  | Page                    | Page                                       | Page                                      | Page   | Page  | Page                      |
| Apopka, Lake, at Winter Garden . . . . .     | 65                      | 66   | 67  | 50   | 51  | 44                        |
| Apshawa, Lake, near Minneola . . . . .       | 59                      | --   | --  | 50   | 51  | 44                        |
| Blue Cypress Lake near Fellsmere . . . . .   | 17                      | 18   | 18  | 15   | 16  | 14                        |
| Brooklyn Lake at Keystone Heights . . . . .  | 96                      | --   | --  | 90   | 91  | 89                        |
| Charity, Lake, at Maitland . . . . .         | 27                      | 28   | 28  | --   | --  | --                        |
| Cherry Lake near Groveland . . . . .         | 60                      | 61   | 61  | 50   | 51  | 44                        |
| Dora, Lake, at Mount Dora . . . . .          | 68                      | 69   | 70  | 50   | 51  | 45                        |
| Dorr, Lake, near Altoona . . . . .           | 38                      | --   | --  | 15   | 16  | 14                        |
| Eustis, Lake, at Eustis . . . . .            | 71                      | 72   | 73  | 50   | 51  | 45                        |
| Faith, Lake, at Maitland . . . . .           | 29                      | 30   | 30  | --   | --  | --                        |
| Geneva, Lake, at Keystone Heights. . . . .   | 97                      | --   | --  | 90   | 91  | 89                        |
| George, Lake, near Salt Springs. . . . .     | 41                      | 42   | 42  | --   | --  | --                        |
| Griffin, Lake, at Leesburg . . . . .         | 76                      | 77   | 77  | 50   | 51  | 45                        |
| Harris, Lake, at Leesburg. . . . .           | 62                      | 63   | 63  | 50   | 51  | 44                        |
| Hope, Lake, at Maitland. . . . .             | 31                      | 32   | 32  | --   | --  | --                        |
| Johns Lake at Oakland. . . . .               | 39                      | --   | --  | 50   | 51  | 44                        |
| Johnson (Big) Lake near Keystone Heights . . | 100                     | --   | --  | 90   | 91  | 89                        |
| Johnson (Little) Lake near Keystone Heights. | 99                      | --   | --  | 90   | 91  | 89                        |
| Kerr, Lake, near Eureka . . . . .            | 39                      | 40   | 40  | 15   | 16  | 14                        |
| Kingsley Lake at Camp Blanding . . . . .     | 101                     | --   | --  | 90   | 91  | 89                        |
| Lochloosa Lake at Lochloosa . . . . .        | 82                      | --   | --  | 50   | 51  | 45                        |
| Louisa, Lake, near Clermont. . . . .         | 54                      | 55   | 55  | 50   | 51  | 44                        |
| Lowery, Lake, near Haines City . . . . .     | 52                      | 53   | 53  | 50   | 51  | 44                        |
| Magnolia Lake near Keystone Heights. . . . . | 95                      | --   | --  | 90   | 91  | 89                        |
| Minnehaha, Lake, near Clermont . . . . .     | 56                      | 57   | 58  | 50   | 51  | 44                        |
| Monroe, Lake, near Sanford . . . . .         | 33                      | 34   | 35  | 15   | 16  | 14                        |
| Newnans Lake near Gainesville . . . . .      | 81                      | --   | --  | 50   | 51  | 45                        |
| Ocklawaha, Lake, near Orange Springs . . . . | 86                      | 87   | 87  | --   | --  | --                        |
| Orange Lake at Orange Lake . . . . .         | 83                      | 84   | 85  | 50   | 51  | 46                        |
| Pebble Lake near Keystone Heights. . . . .   | 98                      | --   | --  | 90   | 91  | 89                        |
| Poinsett, Lake, near Cocoa . . . . .         | 22                      | 23   | 24  | 15   | 16  | 14                        |
| Sand Hill Lake near Keystone Heights . . . . | 94                      | --   | --  | 90   | 91  | 89                        |
| Washington, Lake, near Eau Gallie. . . . .   | 19                      | 20   | 21  | 15   | 16  | 14                        |
| Weir, Lake, at Oklawaha . . . . .            | 78                      | 79   | 80  | 50   | 51  | 45                        |
| Wekiva, Lake, near Maitland. . . . .         | 36                      | 37   | 37  | 15   | 16  | 14                        |
| Winnemissett, Lake, near DeLand. . . . .     | 25                      | 26   | 26  | 15   | 16  | 14                        |
| Winona, Lake, near DeLand. . . . .           | 92                      | 93   | 93  | 90   | 91  | 89                        |
| Yale, Lake, at Grand Island . . . . .        | 74                      | 75   | 75  | 50   | 51  | 45                        |