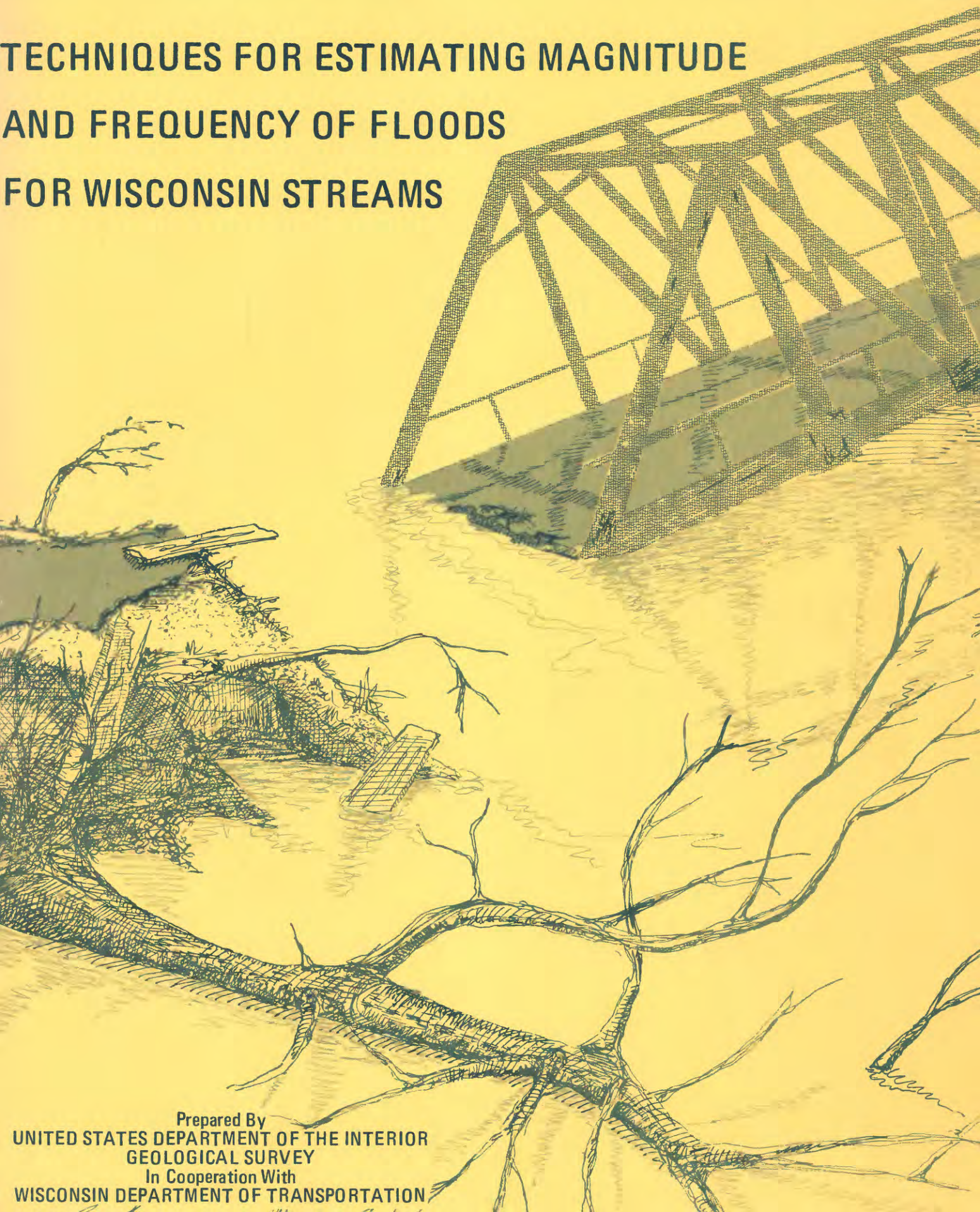


TECHNIQUES FOR ESTIMATING MAGNITUDE AND FREQUENCY OF FLOODS FOR WISCONSIN STREAMS



Prepared By
UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
In Cooperation With
WISCONSIN DEPARTMENT OF TRANSPORTATION

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CONVERSION TABLE

The following factors may be used to convert the inch-pound units used in this report to International System (SI) units.

<u>Multiply</u>	<u>By</u>	<u>To obtain</u>
foot (ft)	0.305	meter (m)
mile (mi)	1.61	kilometer (km)
foot per mile (ft/mi)	0.189	meter per kilometer (m/km)
square mile (mi ²)	2.59	square kilometer (km ²)
cubic foot per second (ft ³ /s)	0.0283	cubic meter per second (m ³ /s)
cubic foot per second per square mile {(ft ³ /s)/mi ² }	0.0194	cubic meter per second per square kilometer {(m ³ /s)/km ² }

TECHNIQUES FOR ESTIMATING MAGNITUDE AND FREQUENCY OF FLOODS FOR WISCONSIN STREAMS

Duane H. Conger

ABSTRACT

This report provides improved methods for estimating the magnitude and frequency of floods for Wisconsin streams. Proper design of hydraulic structures and adequate flood-plain management depend on this information. Multiple-regression techniques were used to develop equations for estimating flood frequencies at ungaged sites.

The State is divided into five areas and has equations developed for each area. These areas are based on areal factors determined from previous studies and physical basin characteristics. Significant characteristics in the equations are soil permeability, drainage area, slope, storage, forest cover, snowfall, precipitation intensity, and mean annual precipitation. Standard errors of estimate for the regression equations ranged from 23 to 38 percent.

Annual flood peaks, basin characteristics, and flood-frequency values are presented in this report. Data from 184 gaging stations were used in the regression analysis, of which 20 had rainfall-runoff data collected. Long-term synthetic peaks were generated from the rainfall-runoff data and were weighted with the observed peak data to improve the flood-frequency distributions.

A method to estimate flood-frequency values for regulated streams was developed by discharge-drainage area relationships. Graphs for the major regulated streams are presented in the report.

INTRODUCTION

The purpose of this study is to provide improved methods for estimating the magnitude and frequency of Wisconsin floods. The objective is to refine flood-frequency relationships so that flood frequencies for at least a 100-year flood can be estimated for streams with any size drainage area. This information is necessary for designing culverts, bridges, and flood-protection structures and for effective flood-plain management.

This study represents the second phase of a flood-frequency study of Wisconsin streams. Previous reports (Ericson, 1961; Wiitala, 1965; Patterson and Gamble, 1968; Conger, 1971) also present methods for estimating flood magnitudes. This report uses additional years of record, additional basin and climatic characteristics, and the results from a rainfall-runoff model to provide improved flood estimating techniques.

Annual peak data from 184 gaging stations (including 106 crest-stage gages and 78 long-term gaging stations) with at least 10 years of record were included in an analysis to develop regional flood-frequency equations for Wisconsin. Flood-frequency characteristics were estimated for these sites by guidelines given in U.S. Water Resources Council Bulletin 17A (1977). Annual maximum flood-peak data for 261 gaging stations (including stations not used in the analysis) are given in table 4.

A rainfall-runoff model developed by the U.S. Geological Survey (Dawdy and others, 1972) was used to extend peak data at 20 rainfall-runoff gaging stations. These data were combined with observed data by a weighting technique to provide improved flood-frequency relationships.

Multiple-regression techniques were used to develop flood-frequency equations by relating flood-magnitude-frequency characteristics to basin characteristics, such as drainage area and slope, at the 184 sites mentioned above. The regression equations derived in these analyses are applicable only to rural streams.

Flood discharges of regulated streams were also analyzed for this study. Log-Pearson Type III flood-frequency curves were developed for these streams. Graphs for the major regulated streams, relating discharge to drainage area, are presented in this report.

This report is the result of a cooperative agreement with the State of Wisconsin, Department of Transportation, Division of Highways, and the U.S. Geological Survey. The small-stream data used in this report were collected under this cooperative agreement. The large-basin data were collected for many years as part of cooperative programs with various State and Federal agencies. Long-term daily precipitation data and storm rainfall at 5-minute intervals were obtained from the National Oceanic and Atmospheric Administration.

The flood-frequency equations are presented in the first part of this report, followed by a more detailed analysis. This organization should provide the most efficient use of this report.

ESTIMATING TECHNIQUES

This section briefly outlines the procedure to use when estimating magnitude and frequency of floods for ungaged, gaged, and regulated streams in Wisconsin. A detailed discussion of data analysis, station flood-frequency analysis, and other multiple-regression analyses are presented in subsequent sections of this report.

UNGAGED STREAMS

Multiple-regression techniques were used to relate the 2-, 10-, 25-, 50-, and 100-year floods to drainage-basin characteristics. The most significant characteristics were drainage area, slope, storage, forest cover, mean annual precipitation, mean annual snowfall, precipitation intensity, and soil permeability. The characteristics used in the regression equations are listed in table 3 for each station and defined as follows:

1. Drainage area (A), in square miles, is the area contributing directly to surface runoff. This area can be planimetered from topographic maps or possibly obtained directly from the Wisconsin drainage-area report (Holmstrom, 1972).
2. Main-channel slope (S), in feet per mile, is the slope of the stream between points that are 10 percent and 85 percent of the distance along the channel from the gaging station to the basin divide, determined from topographic maps.
3. Storage (ST), expressed as a percentage of the drainage area, includes lakes, ponds, and wetlands determined from Geological Survey maps and Soil Conservation Service data. To avoid zero values, a constant of 1 percent is added to each value of ST used in the regression equation.
4. Forest cover (FOR), is expressed as a percentage of the basin drainage area as shown on Geological Survey maps, determined by the grid method and data from the Soil Conservation Service. A constant of 1 percent is added to each value of FOR used in the regression equation.
5. Mean annual precipitation (PREC), 1931-60 average in inches, is determined from an isohetal map published by the U.S. Weather Bureau (1960). Divide PREC by 20 and then take the result to the 10th power to provide manageable constants and exponents in the regression equation (fig. 1).
6. Mean annual snowfall (SN), 1951-60 average in inches, is determined from a map of seasonal snowfall in Wisconsin Statistical Reporting Service (1967, p. 27) and reproduced as figure 2 of this report.
7. Precipitation intensity index ($I_{24,2}$) (2-year 24-hour rainfall), expressed in inches, is determined from U.S. Weather Bureau Technical Paper 40 (Hershfield, 1961). This maximum 24-hour rainfall has a recurrence interval of 2 years. Divide ($I_{24,2}$) by 3 and then take the result to the 4th power to provide manageable constants and exponents in the regression equation (fig. 3).
8. Soil permeability (SP), expressed in inches per hour, is based on the least permeable soil horizon. The median rate is used for each soil-permeability range. The soil-permeability ranges were obtained from a soils table published by the U.S. Department of Agriculture, Soil Conservation Service (1964). Soil permeability (SP) can be obtained from plate 2.

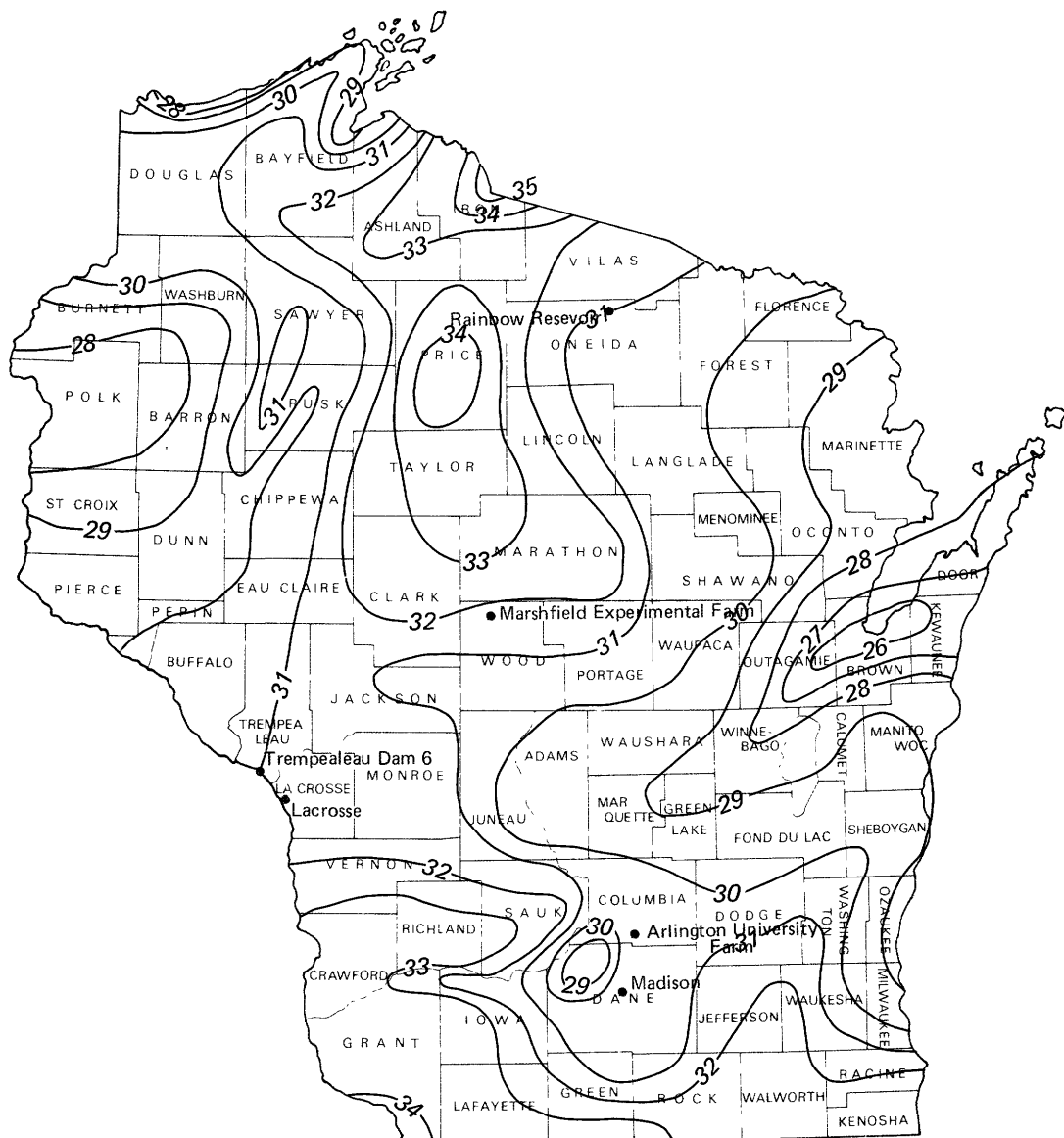


Figure 1. Mean annual precipitation, in inches, during 1931-1960.

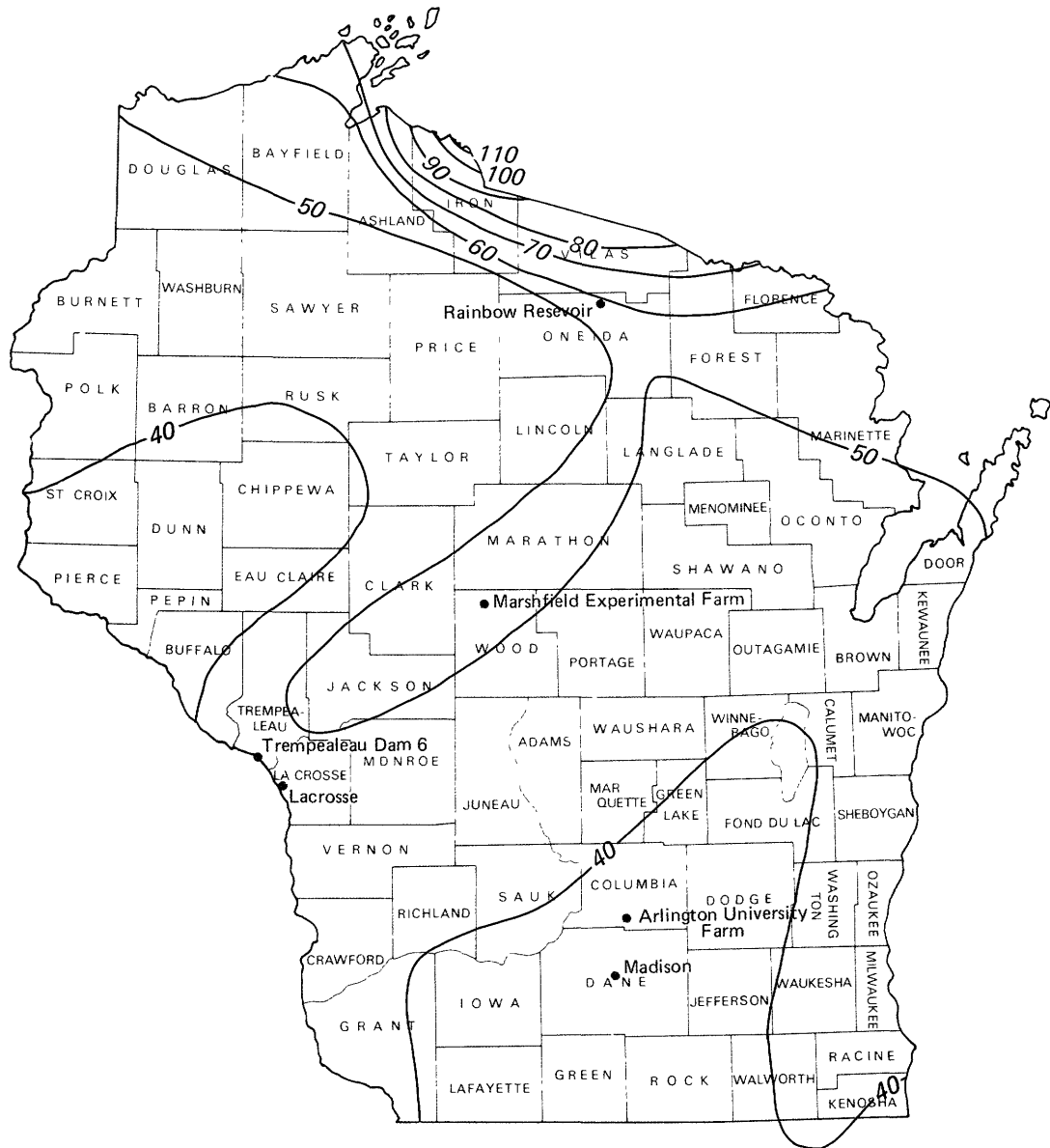


Figure 2. Mean annual snowfall, in inches, during 1951-1960.

Table 1.--Flood-frequency equations for Wisconsin

Equation	Standard error of estimate	Equivalent years of record
<u>Area 1 (36 stations) all-size drainage area--Wisconsin stations</u>		
$Q_2 = 0.207A^{0.633} \text{PREC}^{1.28}$	SE = 35 percent	5
$Q_5 = 0.151A^{0.617} \text{PREC}^{1.48}$	SE = 32 percent	7
$Q_{10} = 0.127A^{0.610} \text{PREC}^{1.58}$	SE = 32 percent	8.8
$Q_{25} = 0.106A^{0.604} \text{PREC}^{1.68}$	SE = 34 percent	11.0
$Q_{50} = 0.093A^{0.600} \text{PREC}^{1.74}$	SE = 36 percent	15.4
$Q_{100} = 0.084A^{0.597} \text{PREC}^{1.80}$	SE = 38 percent	21.0
<u>Area 1 (25 stations) drainage areas larger than 100 square miles-- Wisconsin, Iowa, Minnesota, and Illinois stations</u>		
$Q_2 = \overset{1.24}{\underset{8.60A}{8.60A}}^{0.862} S^{0.783} \text{FOR}^{-0.216} \text{PREC}^{0.477}$	SE = 30 percent	4.7
$Q_5 = 3.49A^{0.817} S^{0.829} \text{FOR}^{-0.239} \text{PREC}^{0.421}$	SE = 30 percent	5.3
$Q_{10} = 5.56A^{0.793} S^{0.850} \text{FOR}^{-0.248} \text{PREC}^{0.405}$	SE = 32 percent	6.4
$Q_{25} = 8.63A^{0.765} S^{0.870} \text{FOR}^{-0.254} \text{PREC}^{0.398}$	SE = 34 percent	7.9
$Q_{50} = 11.1A^{0.746} S^{0.881} \text{FOR}^{-0.257} \text{PREC}^{0.399}$	SE = 36 percent	10.5
$Q_{100} = 13.6A^{0.729} S^{0.890} \text{FOR}^{-0.258} \text{PREC}^{0.404}$	SE = 37 percent	13.7

Area 2 (48 stations)

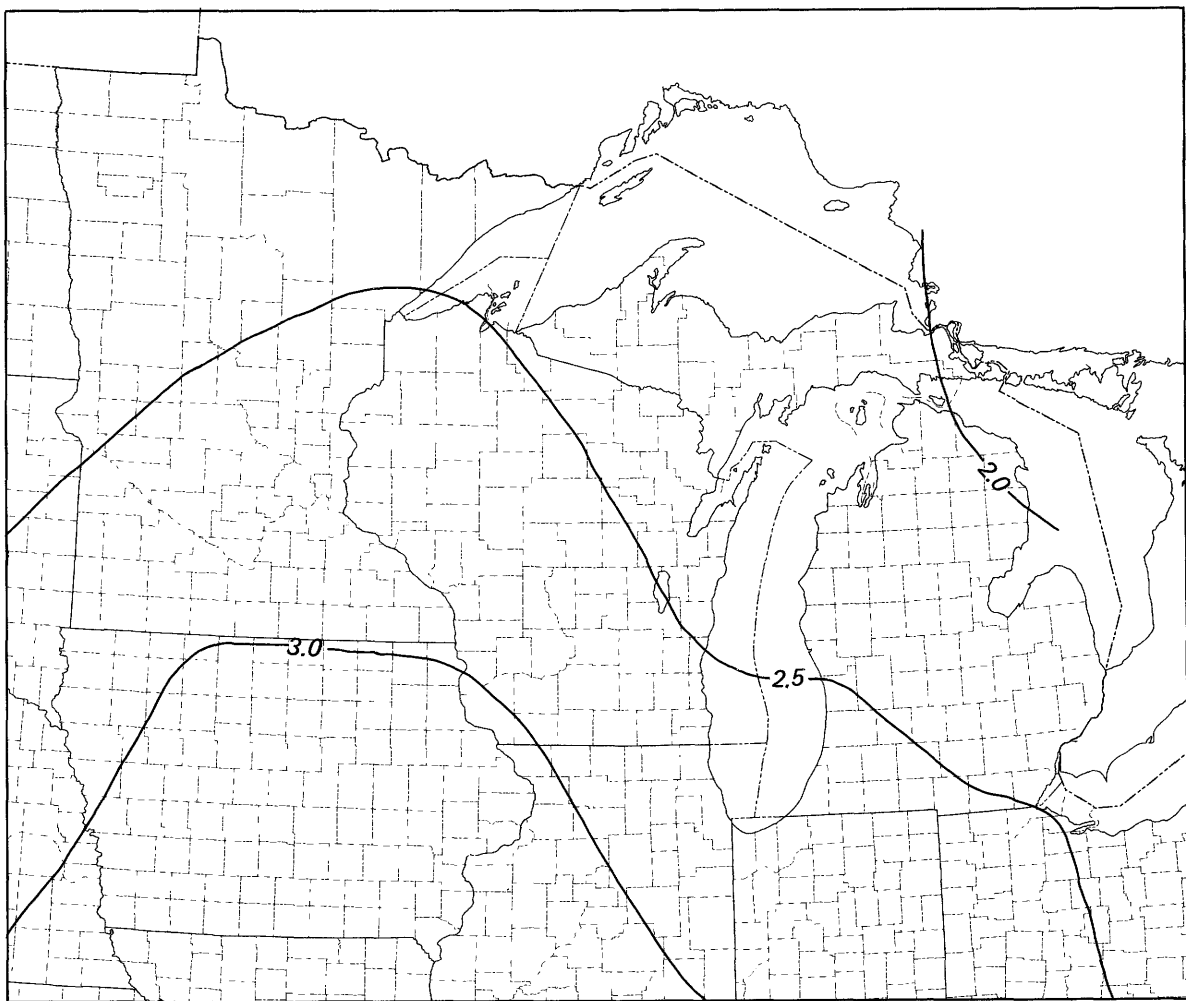
$Q_2 = 28.1A^{0.851}S^{0.175}ST^{-0.117}SP^{-0.581}$	SE = 30 percent	4.8
$Q_5 = 29.8A^{0.887}S^{0.320}ST^{-0.154}SP^{-0.627}$	SE = 23 percent	11.5
$Q_{10} = 31.0A^{0.904}S^{0.387}ST^{-0.171}SP^{-0.650}$	SE = 23 percent	15.8
$Q_{25} = 32.7A^{0.920}S^{0.450}ST^{-0.187}SP^{-0.674}$	SE = 26 percent	17.7
$Q_{50} = 33.6A^{0.930}S^{0.490}ST^{-0.196}SP^{-0.690}$	SE = 29 percent	22.8
$Q_{100} = 34.8A^{0.939}S^{0.523}ST^{-0.204}SP^{-0.703}$	SE = 32 percent	28.6

Area 3 (44 stations)

$Q_2 = 20.4A^{0.874}S^{0.309}FOR^{-0.009}I_{24,2}^{1.34}SP^{-0.449}$	SE = 34 percent	1.9
$Q_5 = 49.7A^{0.864}S^{0.296}FOR^{-0.074}I_{24,2}^{1.53}SP^{-0.522}$	SE = 31 percent	2.9
$Q_{10} = 75.2A^{0.858}S^{0.290}FOR^{-0.101}I_{24,2}^{1.60}SP^{-0.557}$	SE = 30 percent	3.8
$Q_{25} = 112.7A^{0.850}S^{0.284}FOR^{-0.125}I_{24,2}^{1.66}SP^{-0.591}$	SE = 31 percent	5.5
$Q_{50} = 143.2A^{0.845}S^{0.281}FOR^{-0.137}I_{24,2}^{1.68}SP^{-0.613}$	SE = 32 percent	7.7
$Q_{100} = 175.8A^{0.840}S^{0.277}FOR^{-0.146}I_{24,2}^{1.70}SP^{-0.632}$	SE = 33 percent	10.6

Table 1.--Flood-frequency equations for Wisconsin--Continued

Equation	Standard error of estimate	Equivalent years of record
<u>Area 4 (26 stations)</u>		
$Q_2 = 3.67A^{0.854}S^{0.207}ST^{-0.313}SN^{0.515}SP^{-0.182}$	SE = 23 percent	6.4
$Q_5 = 5.79A^{0.845}S^{0.231}ST^{-0.283}SN^{0.494}SP^{-0.234}$	SE = 23 percent	8.8
$Q_{10} = 6.84A^{0.841}S^{0.246}ST^{-0.270}SN^{0.497}SP^{-0.258}$	SE = 24 percent	10.4
$Q_{25} = 7.45A^{0.838}S^{0.263}ST^{-0.257}SN^{0.520}SP^{-0.283}$	SE = 28 percent	11.9
$Q_{50} = 7.63A^{0.837}S^{0.276}ST^{-0.249}SN^{0.540}SP^{-0.300}$	SE = 30 percent	15.4
$Q_{100} = 7.56A^{0.835}S^{0.285}ST^{-0.243}SN^{0.567}SP^{-0.313}$	SE = 32 percent	22.7
<u>Area 5 (26 stations)</u>		
$Q_2 = 6.75A^{0.921}S^{0.489}ST^{-0.224}SP^{-0.296}$	SE = 24 percent	6.4
$Q_5 = 7.49A^{0.981}S^{0.631}ST^{-0.309}SP^{-0.325}$	SE = 23 percent	8.2
$Q_{10} = 7.67A^{1.01}S^{0.707}ST^{-0.347}SP^{-0.341}$	SE = 25 percent	9.2
$Q_{25} = 7.90A^{1.04}S^{0.781}ST^{-0.384}SP^{-0.357}$	SE = 29 percent	9.9
$Q_{50} = 7.90A^{1.06}S^{0.831}ST^{-0.406}SP^{-0.368}$	SE = 31 percent	12.5
$Q_{100} = 7.83A^{1.08}S^{0.876}ST^{-0.423}SP^{-0.378}$	SE = 33 percent	15.7



Climatology from U.S. Department
of Commerce (1961)

Figure 3. Two-year, 24-hour rainfall, in inches, in Wisconsin and surrounding area.

The State has been divided into five areas (fig. 4) based on areal factors determined in a previous study (Conger, 1971) and physical basin characteristics. Flood discharges may be estimated at selected recurrence intervals for ungaged rural streams in these areas by the equations in table 1. The standard error of estimate and equivalent years of record listed in table 1 are discussed in the section "Accuracy and Limitations".

Two sets of equations are presented for area 1. The first set is based on all sizes of drainage areas and may be used to estimate flood discharges for all ungaged sites. However, the user is cautioned to observe the results carefully because of the sensitive nature of mean annual precipitation. A 1 percent change in mean annual precipitation results in a 20 percent change in discharge for the 100-year flood.

The second set of equations is useful only for ungaged sites having drainage areas larger than 100 mi². For these sites, flood discharges should be estimated for a nearby gaged site, also having a drainage area greater than 100 mi² and similar hydrologically to the ungaged site if possible, by using both sets of equations. The final equation used for the ungaged site should be the one that agrees most closely with the gaged flood discharge at a selected flood frequency.

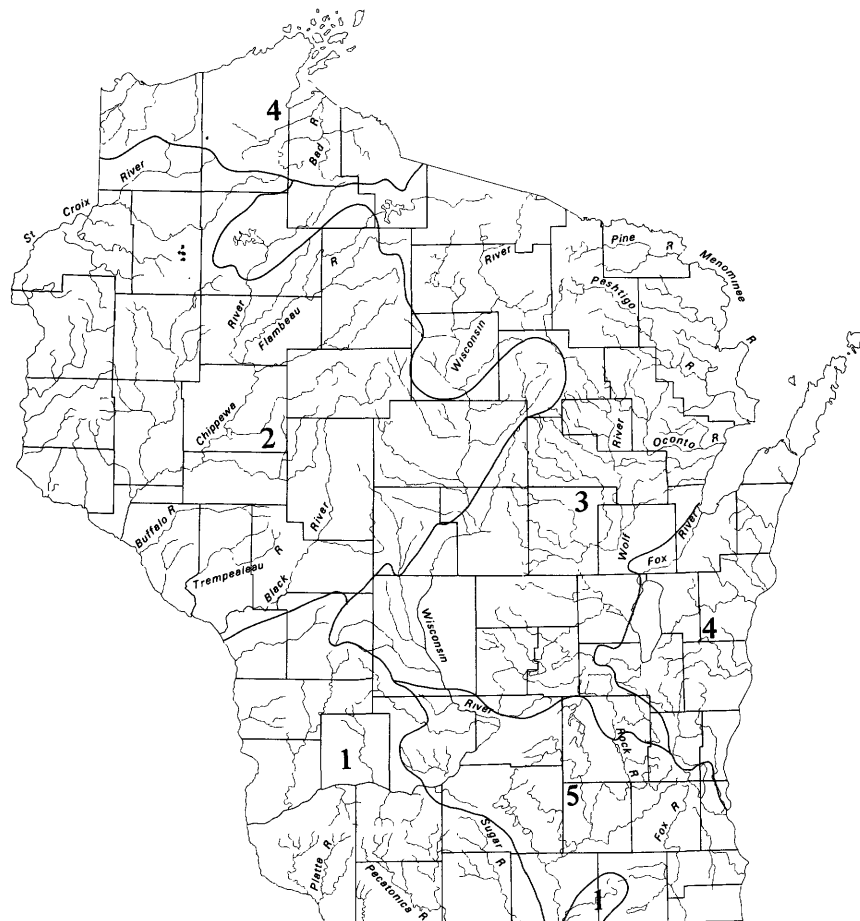


Figure 4. Areas 1-5 for selecting flood-frequency equations.

A drainage basin may lie in two different areas. When this occurs, compute the flood discharge by the equations for each area and combine the discharges by weighting the percentages of the total basin area falling in each area.

Use of the flood-frequency equations is illustrated by a hypothetical problem. Assume a requirement to compute the magnitude of a 100-year flood (Q_{100}) at a site in area 5. The applicable equation from table 1 is:

$$Q_{100} = 7.83A^{1.08}S^{0.876}ST^{-0.423}SP^{-0.378}$$

1. Determine the size of the contributing drainage area (A) from the best available topographic map. For this example, assume the drainage area is 80 mi², A = 80.0.
2. Compute the main-channel slope (S) from a topographic map as follows:
 - (a) Measure the river length from the site to the basin divide. If the stream forks, follow the fork with the greater drainage area.
 - (b) Determine altitude at points that are 10 percent and 85 percent of the total river length.
 - (c) Determine the difference between these

altitudes and divide by the distance, in miles, between the points. For this example, assume the total river-mile distance from the known location to the basin divide is 20.0 mi, the altitude at the 10 percent point (2.0 mi) is 1,000 ft, and the altitude at the 85 percent point

(17.0 mi) is 1,150 ft. The average slope is $\frac{1,150 \text{ ft} - 1,000 \text{ ft}}{17 \text{ mi} - 2 \text{ mi}}$, or 10.0 ft/mi. $S = 10.0$.

3. Determine the storage (ST) from the topographic map. Compute lake and marsh area as a percentage of the total drainage area and add 1 percent. If there is no lake or marsh area, ST is equal to $0 + 1 = 1$ percent. Assume the lake and marsh area for this example is 4.0 percent plus 1.0 percent, or 5.0 percent. $ST = 5.00$.
4. Soil permeability (SP) is determined from plate 2. Determine the area of each color-coded range representing soil permeability. Assign the median soil permeability for each range and determine the final soil permeability by using weighted percentage of each color-coded area to the total contributing drainage area. Printed on the back of plate 2 is a grid to help determine the area of each soil permeability range from the map. Assume the average weighted soil permeability is 1.08. $SP = 1.08$.
5. Determine the flood discharge through the use of the 100-year flood equation for area 5.

$$Q_{100} = 7.83A^{1.08}S^{0.876}ST^{-0.423}SP^{-0.378}$$

$$Q_{100} = 7.83(80.0)^{1.08}(10.0)^{0.876}(5.00)^{-0.423}(1.08)^{-0.378}$$

$$Q_{100} = 7.83(114)(7.52)(0.506)(0.91)$$

$$Q_{100} = 3,300 \text{ ft}^3/\text{s}$$

GAGED STREAMS

Flood discharges for selected frequencies on a gaged stream can be estimated by the following procedure: (1) If the site is at a gaging station, the discharge can be obtained from table 2. (2) If the site is near a gaging station but the drainage area differs by more than 50 percent of the gaged drainage area, the regression equations in table 1 can be used to estimate the flood discharge. (3) If the site is near a gaging station and the drainage area differs by less than 50 percent of the gaged drainage area, transfer the discharge upstream or downstream by the following procedure.

$$Q_{ud} = Q_g \left(\frac{A_{ud}}{A_g} \right)^n, \quad (1)$$

where: Q_{ud} = discharge at the upstream or downstream site transferred from a gaged site by drainage-area ratio;

Q_g = discharge at the gaged site for a selected recurrence interval from table 2;

n = regional drainage-area exponent

area 1 = 0.59

area 2 = 0.68

area 3 = 0.76

area 4 = 0.60

area 5 = 0.63;

A_{ud} = drainage area at the upstream or downstream site; and

A_g = drainage area at the gaged site.

Then weight this discharge with a discharge determined from the regression equation by the following equation:

$$Q_w = Q_r \left(\frac{2\Delta A}{A_g} \right) + Q_{ud} \left(1 - \frac{2\Delta A}{A_g} \right). \quad (2)$$

where: Q_r = discharge at the upstream or downstream site determined by the flood-frequency equations in table 1;

Q_w = weighted discharge at the upstream or downstream site by weighting the discharge (Q_{ud}) with the estimating equation discharge (Q_r); and

ΔA = difference between the drainage areas at the gaged and upstream or downstream site (absolute value).

The regional drainage-area exponents (n) were obtained by using regression analyses relating drainage areas to Q_2 , Q_5 ... Q_{100} . This produced equations of the form $Q = cA^n$. Values of n were averaged for Q_2 , Q_5 ... Q_{100} for each area.

The above procedure provides reliable results when the gaging station peaks are from a representative time sample. When it is apparent that the gaging station peaks are not a representative time sample, Q_g in equation 1 should be determined by the following procedure (Sauer, 1974):

$$Q_g = \frac{(\text{years of record})(\text{station } Q) + (\text{equivalent years record})(\text{regional } Q)}{\text{years of record} + \text{equivalent years record}} \quad (3)$$

In equation 3, station Q should be obtained from table 2 for a selected recurrence interval. The regional Q is computed with flood-frequency equations from table 1. The years of record are determined from table 4, and the equivalent years of record are listed at the end of each flood-frequency equation. Substitute Q_g from equation 3 in equation 1 for solution of Q_{ud} and then solve equation 2 for Q_w .

Stations having 10 to 15 years of record would most likely not have a representative time sample, whereas stations having more than 25 years of record would likely have a representative time sample. The flood-frequency equations alone should be used for stations with 10 or less years of record. Judgment should be used in all cases.

The following example illustrates how to estimate a flood discharge for an ungaged site near a gaging station on the same stream.

Example: Estimate the 100-year flood discharge at a site
2 mi downstream from gaging station 05406500,
Black Earth Creek at Black Earth, Wis., in area 5.

1. Outline the drainage basin on the best available topographic maps and planimeter the drainage area.

$$A_{ud} = 45.5 \text{ mi}^2 (48.3 \text{ mi}^2 - 2.8 \text{ mi}^2 \text{ noncontributing})$$

2. Obtain Q_{100} and drainage area for the gaging station from tables 2 and 3.

$$Q_{100} = 2,100 \text{ ft}^3/\text{s}$$

$$A_g = 42.8 \text{ mi}^2 (45.6 \text{ mi}^2 - 2.8 \text{ mi}^2 \text{ noncontributing})$$

3. Determine the regional drainage-area exponent for area 5 from page 12.

$$n = 0.63$$

4. From equation 1, the upstream site discharge is:

$$Q_{ud} = Q_g \left(\frac{A_{ud}}{A_g} \right)^n$$

By substitution,

$$Q_{ud} = 2,100 \left(\frac{45.5}{42.8} \right)^{0.63}$$

$$Q_{ud} = 2,180 \text{ ft}^3/\text{s}$$

5. Determine Q_r by the same procedure as described for ungaged streams on pages 3-11. The drainage-basin characteristics for this ungaged site are:

$$A = 45.5 \text{ mi}^2, S = 8.81 \text{ ft/mi}, ST = 0.4 \text{ percent} + 1.0 \text{ percent} = 1.4 \text{ percent}, SP = 1.49.$$

Through the use of equation,

$$Q_{100} = 7.83A^{1.08}S^{0.876}ST^{-0.423}SP^{-0.378}$$

$$Q_{100} = Q_r = 2,430 \text{ ft}^3/\text{s}$$

6. Compute $\Delta A = A_{ud} - A_g$

By substitution,

$$\Delta A = 45.5 - 42.8$$

$$\Delta A = 2.7 \text{ mi}^2$$

7. From equation 2, the weighted estimated discharge at the downstream site is:

$$Q_w = Q_r \left(\frac{2\Delta A}{A_g} \right) + Q_{ud} \left(1 - \frac{2\Delta A}{A_g} \right)$$

By substitution,

$$Q_w = 2,430 \left(\frac{2 \times 2.7}{42.8} \right) + 2,180 \left(1 - \frac{2 \times 2.7}{42.8} \right)$$

$$Q_w = 2,210 \text{ ft}^3/\text{s}$$

If the annual peaks at the gaging stations are not a representative time sample, equation 3 should be computed for Q_{100} and this value of Q_g substituted in steps 2 and 4. Steps 5 through 7 should be followed as previously described. Annual peaks during 1962-72 would be considered as a nonrepresentative time sample in the above example.

REGULATED STREAMS

A method to estimate flood frequency for regulated streams was developed by discharge-drainage area relationships. Graphs showing the magnitude of floods at selected recurrence intervals versus drainage area are presented in figures 5-8 for the following major regulated streams in Wisconsin:

- (a) Menominee River between Wisconsin and Michigan.
- (b) Wisconsin River from its mouth to Rainbow Lake near Lake Tomahawk (station 05391000).
- (c) Chippewa River from its mouth to Lake Chippewa in Sawyer County.
- (d) Flambeau River from its mouth to Flambeau Flowage northeast of Park Falls.

Flood discharges for other regulated streams should be based on the best available data for that stream and not on the regression equations.

ACCURACY AND LIMITATIONS

The accuracy of the regression equations in table 1 has been expressed in two ways, standard error of estimate in percentage and equivalent years of record. The standard error of estimate is a measure of how well the computed flood discharges agree with the observed flood discharges used to derive the

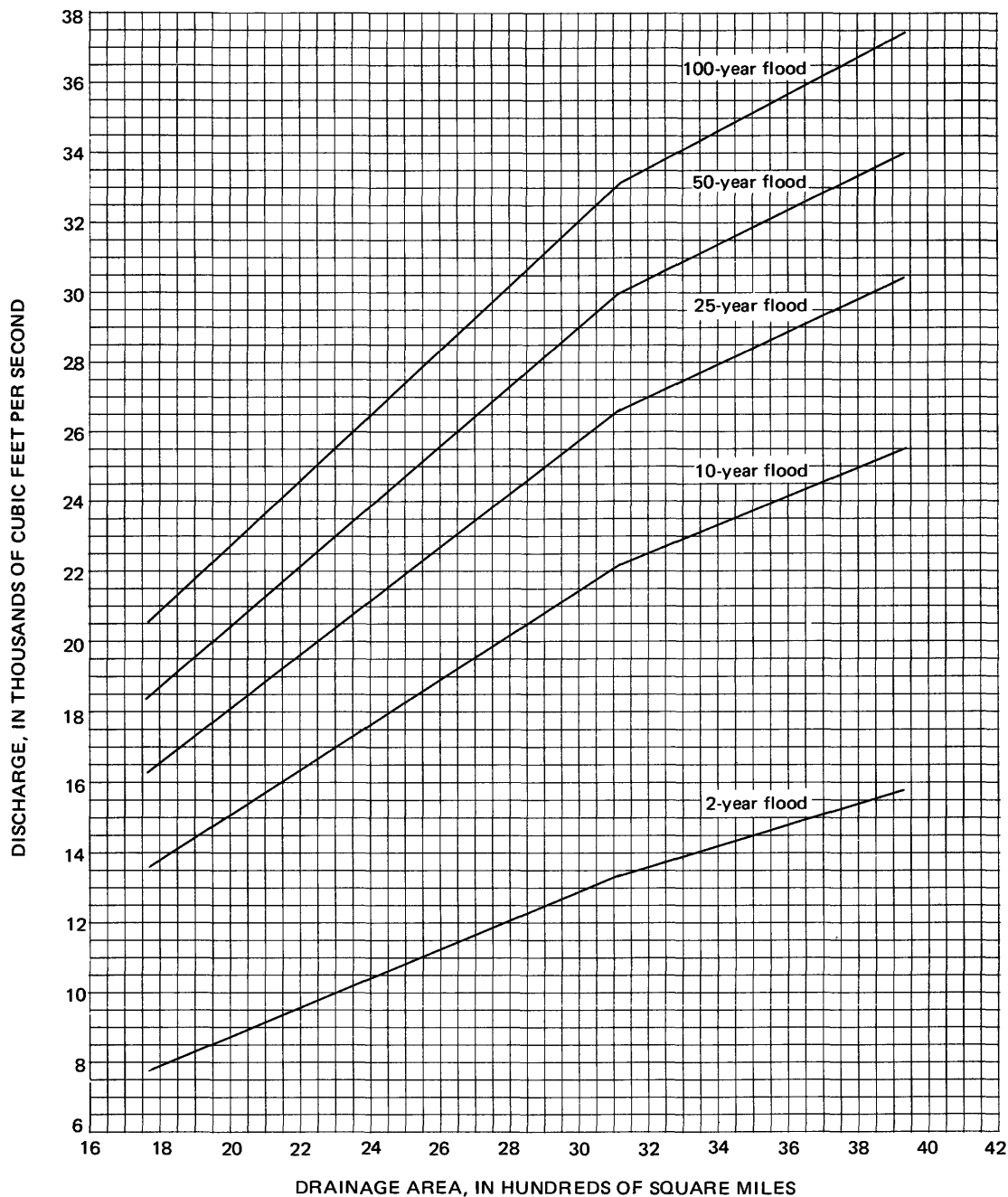


Figure 5. Relation of discharge to drainage area for selected flood frequencies along main stem of Menominee River.

regression equations. Approximately two out of three observed values fall within one standard error of estimate of the computed values. The equivalent years of record, as discussed by Hardison (1969), are expressed as the number of years of streamflow records needed at the ungaged site to provide an estimate equal in accuracy to the standard error of estimate. The equivalent years of record vary from region to region for about the same standard error of estimate because of the differences in the variability of annual peak discharge for each region.

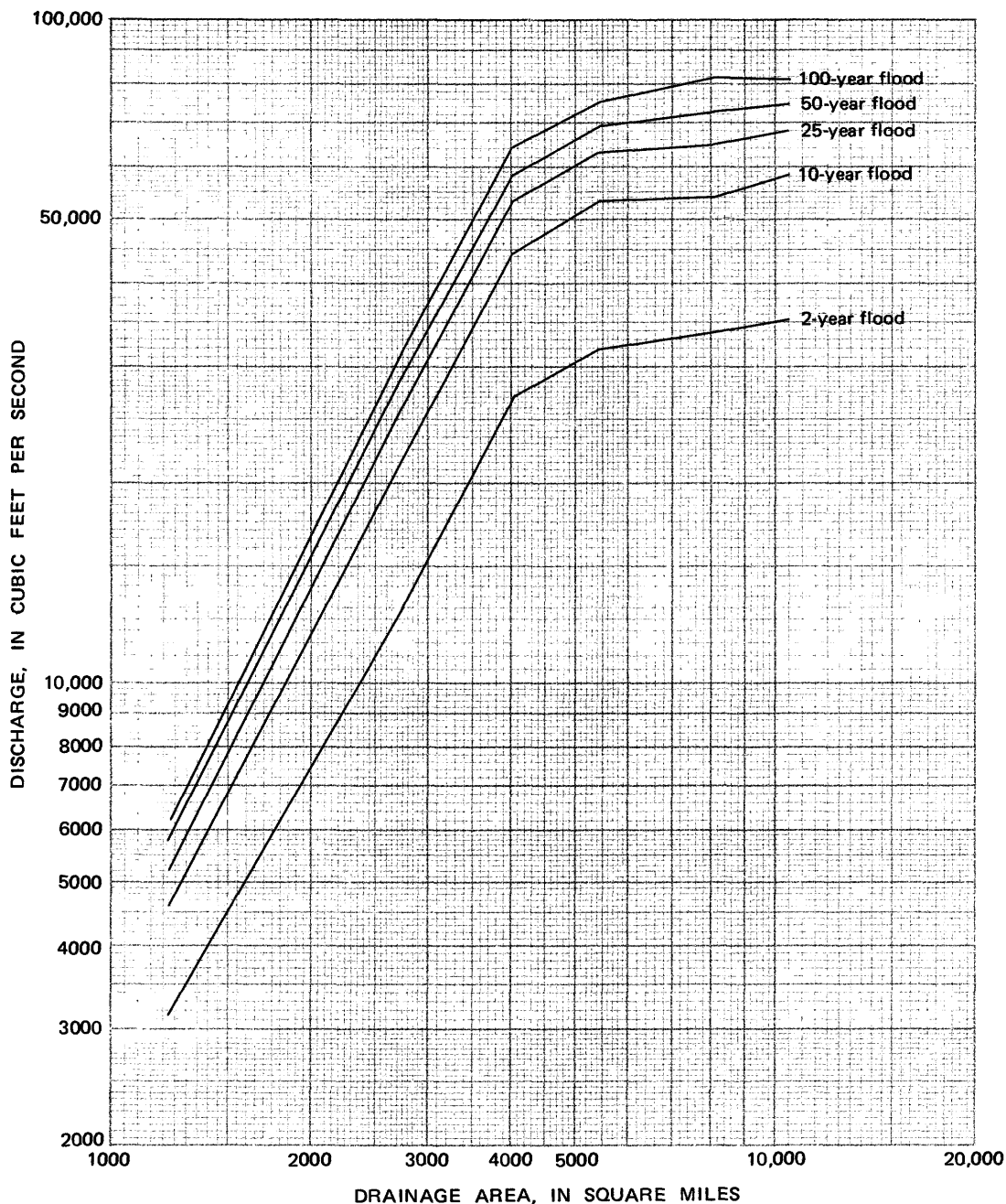


Figure 6. Relation of discharge to drainage area for selected flood frequencies along main stem of Wisconsin River.

Split-sampling techniques were used in area 2 to verify that the standard errors of estimate for equations were representative of the true predictive accuracy of the regression equations. Regression equations were computed through the use of records from 24 of the 48 gaging stations randomly distributed in area 2. The standard error of estimate for Q_{100} equations through the use of this sample (24 stations) is 30 percent. Flood-discharge estimates (computed values) were determined for the remaining 24 stations by this regression equation.

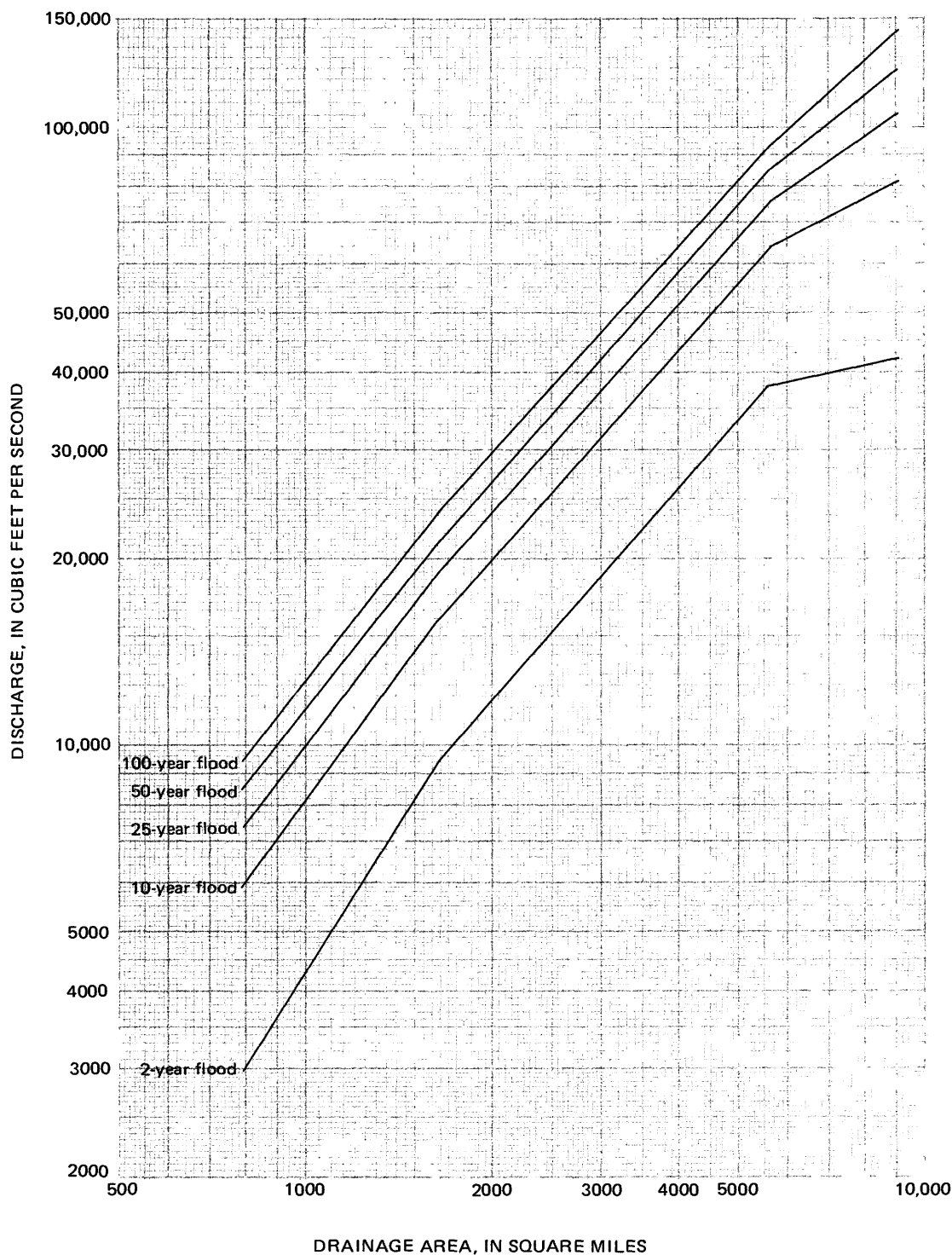


Figure 7. Relation of discharge to drainage area for selected flood frequencies along main stem of Chippewa River.

The standard error of prediction of the observed versus computed values for these stations is 38 percent. This compared favorably to the standard error of estimate of the regression equation for the complete sample (48 stations) of 32 percent. Therefore the standard errors of estimate given in table 1 are probably good indicators of the predictive capability of the regression equations.

The regression equations are applicable for estimating magnitude of floods for rural streams without significant regulation. The equations are not reliable for streams where flood discharges are significantly affected by regulation or urban development. Wherever possible, estimated flood discharges by regression equations should be compared to flood discharges determined at nearby gaging stations to evaluate validity. Extreme difference should be examined to determine the cause.

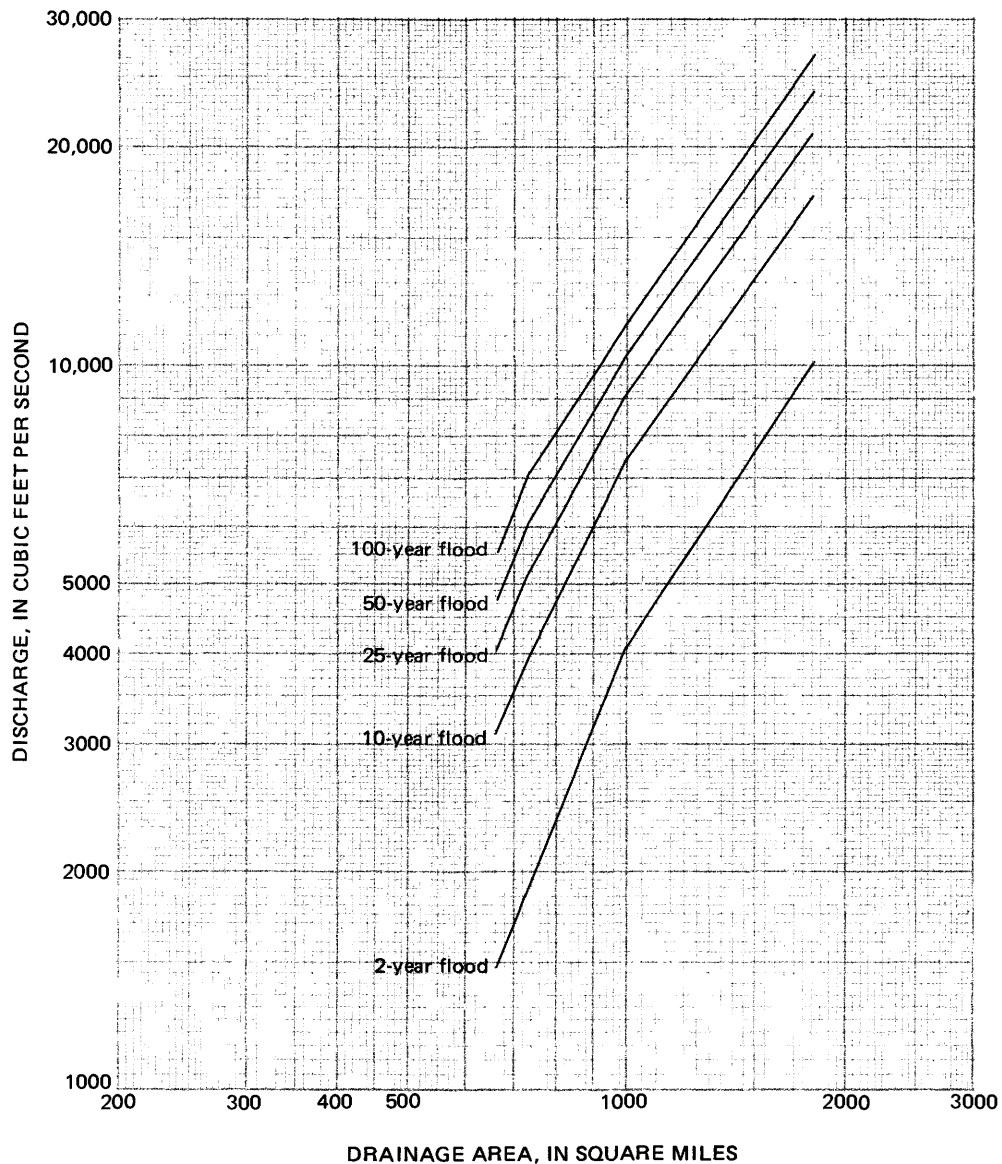


Figure 8. Relation of discharge to drainage area for selected flood frequencies along main stem of Flambeau River.

DATA ANALYSIS

Annual peak data from 184 gaged rural stations (including 106 crest-stage gages and 78 long-term gaging stations) with at least 10 years of record were used in this flood-frequency analysis (pl. 1). At 20 of these stations, rainfall-runoff data were obtained for use in a rainfall-runoff model. Also shown on plate 1 are 30 regulated stations, which were analyzed separately. Data from 14 gaging stations in Iowa, Minnesota, and Illinois were used in alternative regression equations for area 1 only. Annual peak stages and discharges are given in table 4 for all gaging stations shown on plate 1.

Long-term daily precipitation data and storm rainfall at 5-minute intervals were obtained from the National Oceanic and Atmospheric Administration (fig. 1) for Madison, Wis.; Dubuque, Iowa (not shown on map); La Crosse, Wis.; and Minneapolis, Minn. (not shown on map). Daily evaporation data were obtained for stations at Arlington University Farm, Wisconsin; Marshfield Experimental Farm, Wisconsin; Rainbow Reservoir, Wisconsin; and Trempealeau Dam 6, Wisconsin. These data were used in the USGS rainfall-runoff model to extend the records for 20 rainfall-runoff stations.

Streamflow and basin characteristics were obtained for each rural gaged station. Flood-frequency equations were determined for each of the five areas that comprise the State of Wisconsin by means of multiple-regression techniques. Following are the analytical techniques required to obtain these flood-frequency relationships.

STATION FLOOD-FREQUENCY ANALYSIS

Flood-frequency analyses were performed at all gaging stations having 10 or more years of record to determine flood-frequency characteristics. Guidelines in U.S. Water Resources Council Bulletin No. 17A (1977) were used to fit logarithms of annual peak discharges to the Pearson Type III distribution, giving weight to historical peaks and high outliers, omitting low outliers, and using generalized map skew from that report. For stations having less than 25 years of record, values of skew were used directly from the generalized skew map. For stations having more than 25 years of record, the generalized skew values were weighted with the station skew to give a weighted skew. Estimates of the 2 to 100-year floods for each station are given in table 2.

Flood-frequency analyses define the relation of flood-peak magnitude to probability of occurrence or recurrence interval. Probability of occurrence is the percentage chance that a given flood magnitude will be exceeded in any one year. Recurrence interval is the reciprocal of probability of occurrence times 100 and is the average number of years between occurrences. For example, a flood having a probability of occurrence of 1 percent has a recurrence interval of 100 years. Recurrence intervals imply no regularity of occurrence; a 100-year flood might be exceeded in consecutive years or it might not be exceeded in a 100-year period.

EXTENSION OF FLOOD-PEAK DATA BASE BY RAINFALL-RUNOFF MODEL

Calibration and synthesis

A long-term record of synthetic flood peaks was generated by using a rainfall-runoff model developed by the Geological Survey (Dawdy and others, 1971) to increase the effective length of record for small basins. The model was used to simulate flood-peak data at 20 gaging stations where concurrent rainfall and runoff data were collected. Flood hydrographs were generated by the rainfall-runoff model for each station by using daily rainfall, daily evaporation, and unit discharge-rainfall data as input. The model consists of three components of the hydrologic cycle; antecedent moisture, infiltration, and surface-flow routing. The model has 10 parameters, 7 of which deal with volume of surface runoff, and 3 control the shape of the flood hydrograph.

The two phases involved in using the model are calibration and synthesis. During calibration, concurrent values of unit streamflow and unit precipitation, daily precipitation, and daily pan evaporation are used to determine 10 parameters by an optimization process. During the synthesis phase, the final optimized parameters are used with long-term rainfall and evaporation data to generate a long-term series of flood peaks. Long-term rainfall and evaporation data used in the synthesis were selected according to the location of the National Weather Service sites relative to the rainfall-runoff stations and a study of past storm patterns, rainfall intensity, and amount of rainfall.

The rainfall-runoff model determines overland flow only. As base flow is a large component of peak discharges at several of the rainfall-runoff stations, a method was needed to determine an adjustment for base flow. The base-flow adjustments were determined by a procedure described by Conger (1978). A computer program was developed to determine antecedent precipitation index (API), which is related to the base flow by a best fit straight line, which can be represented by an equation. This equation is used to determine base-flow adjustments when using long-term rainfall data to synthesize peaks.

Flood-frequency analyses were performed on the synthetic flood-peak data to determine long-term flood-frequency characteristics at each of the 20 gaging stations. The standard error of estimate for the synthetic 100-year floods is 23 percent compared to 31 percent for the observed 100-year floods. This technique for determining the standard error of estimate is discussed by Hardison (1971).

The rainfall-runoff stations used in this analysis are identified by a footnote in table 2. The flood discharges listed in this table are the combined results of the observed and synthetic flood discharges as discussed in the next section. Long-term rainfall records used by the model were for the period from the early 1900's to 1971.

Combining flood-frequency curves

To give proper significance to both the observed and synthetic peak data, each station synthetic frequency curve needed to be combined with the observed station frequency curve. A weighting procedure based on an analysis of variance described by Lichty and Liscum (1978) was used to determine the final combined

synthetic observed curves. This procedure assumes that the synthetic and observed estimates are considered unbiased and independent.

Based on the above procedure, the average variance of synthetic estimates of discharge for various recurrence intervals was determined by evaluating the following equation:

$$\bar{V}_m = V_r - \bar{V}_t(1 - r)$$

where: \bar{V}_m = average variance of synthetic estimates of discharge for a T-year recurrence interval,

V_r = total variance between observed and synthetic estimates of discharge for a T-year recurrence interval,

\bar{V}_t = average time-sampling variance of the observed estimate of discharge for a T-year recurrence interval, and

r = average interstation correlation coefficient for annual peaks.

The station time-sampling variance, V_t , was computed by the equation

$$V_t = R^2 I_v^2 / N$$

where: R = a factor relating standard error of a T-year flood to I_v and N , (obtained from an article by Hardison, 1971),

I_v = index of variability equal to standard deviation of logarithms of annual events (obtained from the log-Pearson Type III frequency distribution for each station, and

N = number of annual events.

The average time-sampling variance of the observed estimate was computed using:

$$\bar{V}_t = \frac{1}{N} \sum_{i=1}^N V_t$$

where: N = number of stations in the sample size.

The weighting factors for obtaining the best fit curve were determined by the following equations:

$$W_{obs_T} = \frac{\bar{V}_m}{\bar{V}_m + \bar{V}_t}$$

$$W_{syn_T} = 1 - W_{obs_T}$$

where: W_{obs_T} = the weighting factor for the observed station curve
for a T-year recurrence interval, and

W_{syn_T} = the weighting factor for the synthetic curve for a
T-year recurrence interval.

The final combined weighted frequency values were determined by the following equation:

$$Q_T = W_{obs_T} Q_{T_{obs}} + W_{syn_T} Q_{T_{syn}}$$

The average weighting factors for the observed and synthetic estimates are given below:

Recurrence interval (in years)	Weighting factors	
	Observed	Synthetic
2	0.9	0.1
10	0.8	0.2
100	0.7	0.3

The average standard error of estimate for the combined 100-year flood events is 18 percent. Thus, the standard error of estimate was improved from 31 to 18 percent by extending streamflow records by the rainfall-runoff model and combining synthetic and observed data.

REGRESSION ANALYSIS

Multiple-regression analysis was used in this report to estimate the relationship between flood discharges for given frequencies (table 2) and drainage-basin characteristics (table 3) for 184 selected sites in Wisconsin. This technique is a means for transferring flood-peak characteristics from sites where observed data are available to ungaged locations. This relationship is presented by means of regression or flood-frequency equations.

The regression equations relate the most significant basin characteristics (independent variables) to peak-flow characteristics (dependent variables) (Q_2, Q_5, \dots, Q_n). The multiple-regression model can be expressed in the following form:

$$Q_T = aA^b B^c C^d \dots N^n$$

where: Q_T = flood magnitude, in cubic feet per second, having
a T-year recurrence interval,

a = regression constant defined by regression analysis,

A, B, C, ... N = related basin characteristics, and

b, c, ... n = regression coefficients defined by regression
analysis.

Step-backward regression analyses were performed by digital computer by procedures outlined by Thomas and Benson (1970). The equations with the lowest standard error of estimate with all variables significant at the 95 percent confidence level were selected as the best flood-frequency equations.

In a previous flood-frequency study by Conger (1971) it was necessary to divide the State into several areas and assign an areal factor to each area based on a plot of residuals from the State regression equations. To avoid using areal factors and still use the most significant characteristics for each area, regression equations were developed for each area selected. The five areas selected in this report (fig. 4) were based on areal factors from the previous study and physical basin characteristics. Previous areal factors were based on areal variations in topography, geology, soils, and vegetative cover modified in combination with residuals from preliminary multiple-regression analysis. The boundaries of these areal factors were modified by analyzing the residuals resulting from the latest multiple regressions. Area 1 in southwest Wisconsin produces floods with high runoff per square mile due to the rugged, unglaciated topography, deeply incised streams, and steep slopes. Area 2 in the north-central part of the State produces flashy floods due to the thin glacial drift consisting of clay. Area 3 in central and northeast Wisconsin produces broad and flat flood peaks due to gentle topography, slow draining marsh areas, and extensive deposits of permeable sand and gravel. Area 4 in the Lake Superior area and part of the Lake Michigan area produces floods with rapid runoff due to steep topography and large areas of impermeable lake clay. Area 5 in southeast Wisconsin produces flat-crested flood peaks of small magnitude due to the gently rolling topography and areas of noncontributing drainage.

Significant characteristics in the present equations are soil permeability, drainage area, slope, storage, forest cover, mean annual snowfall, precipitation intensity, and mean annual precipitation. Standard errors of estimate for the regression equations ranged from 23 to 38 percent.

Soil permeability is a significant characteristic for all areas except area 1 (fig. 4) in the southwest corner of the State. Soil permeability replaces soil index, a previously used basin characteristic that is difficult to determine. The soil permeability can be obtained from plate 2. The percentage of each soil permeability may be calculated by backlighting the grid on the reverse of plate 2.

Only two characteristics, drainage area and mean annual precipitation, were significant in the regression equations for area 1. Flood discharges estimated from these equations for some of the larger basins differed significantly from flood discharges at gaged stations. An additional set of regression equations was developed for area 1 by using stream-gaging stations with drainage areas greater than 100 mi² for area 1, combined with stations greater than 100 mi² located near the Wisconsin State boundary in Iowa, Minnesota, and Illinois. These equations provided a more acceptable estimate of the flood discharges for these larger streams.

Results of split-sampling techniques, as discussed on pages 17 and 18, verify that the standard errors of estimate for equations used were representative of the true predictive accuracy of the regression equations. Regression equations were computed through the use of records from the 24 gaging stations randomly

distributed about area 2. The standard error of estimate for the Q_{100} equation through the use of this sample (24 stations) is 30 percent. Flood discharges were estimated for the remaining 24 stations by this regression equation. The standard error of estimate for the remaining 24 stations based on observed versus computed flood discharge is 38 percent. The standard error of estimate for the regression equation through the use of the complete sample (48 stations) is 32 percent.

SUMMARY

The flood-frequency equations in this report, based on data from 184 gaging stations (including 106 crest-stage gages and 78 long-term gaging stations), can be used to provide estimated flood discharges for unregulated rural streams in Wisconsin for selected recurrence intervals from 2 to 100 years. Observed and synthetic streamflow records were analyzed to define the multiple-regression flood-frequency equations. Flood-frequency relationships were developed separately for selected regulated streams. Log-Pearson Type III frequency distribution and guidelines outlined by the U.S. Water Resources Council (1977) were used to define the flood-frequency relationships for both regulated and unregulated streams.

The State was divided into five areas with flood-frequency equations developed for each area. Significant characteristics in the equations are soil permeability, drainage area, slope, storage, forest cover, mean annual snowfall, precipitation intensity, and mean annual precipitation. Standard errors of estimate for the regression equations ranged from 23 to 38 percent.

The USGS rainfall-runoff model was used to extend records by synthesis for 20 rainfall-runoff small-stream stations. One synthetic flood-frequency curve was computed for each small watershed. Each station synthetic-frequency curve was combined with the observed station frequency curve by using a weighting procedure.

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Table 2.--Flood discharges at selected recurrence intervals and WRC skew for gaging stations

Station number	Station name	WRC skew	Q ₂	Q ₅	Q ₁₀	Q ₂₅	Q ₅₀	Q ₁₀₀
4024400	Stoney Brook near Superior, Wis.	-0.160	175	323	440	606	743	889
4025200	Pearson Creek near Maple, Wis.	-0.130	380	652	858	1,140	1,370	1,610
4025500	Bois Brule River at Brule, Wis.	-0.100	633	933	1,140	1,400	1,600	1,800
4026200	Sand River tributary near Red Cliff, Wis.	-0.100	83	178	263	397	517	653
4026300	Sioux River near Washburn, Wis. ¹	-0.073	546	885	1,130	1,470	1,730	2,010
4026400	Spillerberg Creek near Cayuga, Wis.	-0.150	73	103	122	146	163	181
4026700	Trout Brook tributary near Marengo, Wis.	-0.100	124	203	261	340	403	468
4027000	Bad River near Odanah, Wis.	-0.036	7,950	11,500	13,900	17,100	19,600	22,100
4027200	Pearl Creek at Grandview, Wis.	-0.130	186	268	323	392	443	494
4027500	White River near Ashland, Wis.	-0.146	2,550	3,930	4,890	6,140	7,100	8,070
4028000	Montreal River at Ironwood, Mich.	-0.100	1,040	1,740	2,250	2,970	3,530	4,130
4029700	Boomer Creek near Saxon, Wis.	-0.100	118	220	302	423	523	633
4030000	Montreal River near Saxon, Wis.	-0.122	3,410	4,600	5,470	6,460	7,180	7,890
4059900	Allen Creek tributary near Alvin, Wis.	-0.100	8	9	10	11	12	13
4063000	Menominee River near Florence, Wis.	-0.179	7,860	11,300	13,600	16,400	18,500	20,600
4063700	Popple River near Fence, Wis.	-0.120	710	960	1,120	1,310	1,450	1,590
4063800	Woods Creek near Fence, Wis.	-0.120	193	277	333	403	456	508
4064500	Pine River below Pine River powerplant near Florence, Wis.	-0.039	1,970	2,690	3,170	3,780	4,240	4,700
4066000	Menominee River near Pembine, Wis.	-0.101	13,400	18,800	22,300	26,700	30,000	33,200
4066300	Cole Creek near Dunbar, Wis.	-0.120	21	28	33	40	44	48
4066500	Pike River at Amberg, Wis.	0.023	1,020	1,400	1,650	1,980	2,220	2,460
4066700	McCall Creek at Wausaukee, Wis.	-0.150	12	28	44	69	92	118
4067000	Menominee River below Koss, Mich.	-0.314	13,100	18,400	21,600	25,500	28,200	30,800
4067500	Menominee River near McAllister, Wis.	-0.097	15,800	21,800	25,600	30,400	34,000	37,500
4067800	Armstrong Creek near Armstrong Creek, Wis.	-0.130	93	139	171	212	243	274
4068000	Peshtigo River at High Falls near Crivitz, Wis.	-0.123	2,000	2,610	2,980	3,420	3,740	4,050
4069500	Peshtigo River at Peshtigo, Wis.	-0.150	4,720	6,200	7,130	8,240	9,030	9,790
4071000	Oconto River near Gillett, Wis.	-0.192	2,590	3,710	4,430	5,340	6,000	6,640
4071700	North Branch Little River near Coleman, Wis.	-0.200	243	381	476	600	694	789
4071800	Pensaukee River near Pulaski, Wis.	-0.230	731	1,170	1,470	1,870	2,170	2,470
4073400	Bird Creek at Wautoma, Wis.	-0.300	80	113	135	160	178	196
4073500	Fox River at Berlin, Wis.	-0.305	3,440	4,740	5,540	6,490	7,160	7,790
4074700	Hunting River near Elcho, Wis.	-0.160	83	115	136	162	180	198
4075200	Evergreen Creek near Langlade, Wis. ¹	1.151	44	63	80	108	132	160
4075500	Wolf River above West Branch Wolf River, Wis.	-0.081	1,770	2,130	2,340	2,590	2,760	2,920
4077000	Wolf River at Keshena Falls, Wis.	0.229	2,450	3,170	3,660	4,270	4,740	5,210
4078500	Embarrass River near Embarrass, Wis.	-0.112	2,330	3,510	4,320	5,380	6,180	7,000
4079000	Wolf River at New London, Wis.	-0.232	6,700	9,590	11,500	13,800	15,400	17,100
4079700	Spaulding Creek near Big Falls, Wis. ¹	0.386	49	72	89	114	133	155
4080000	Little Wolf River at Royalton, Wis.	-0.431	3,200	4,940	6,070	7,440	8,410	9,350
4081000	Waupaca River near Waupaca, Wis.	-0.439	1,080	1,600	1,930	2,330	2,600	2,860
4081010	Waupaca River tributary near Waupaca, Wis.	-0.300	44	69	87	109	125	141
4081900	Sawyer Creek at Oshkosh, Wis.	-0.350	438	891	1,250	1,770	2,190	2,630
4083000	West Branch Fond du Lac River at Fond du Lac, Wis.	-0.380	803	1,060	1,220	1,390	1,510	1,620
4083400	East Branch Fond du Lac River tributary near Eden, Wis.	-0.380	48	80	101	128	148	167
4083500	East Branch Fond du Lac River at Fond du Lac, Wis.	-0.390	829	1,580	2,160	2,940	3,540	4,170
4084500	Fox River at Rapide Croche Dam near Wrightstown, Wis.	-0.591	12,300	17,300	20,100	3,300	25,400	27,200
4085030	Apple Creek near Kaukauna, Wis.	-0.300	748	1,060	1,250	1,480	1,650	1,810
4085100	East River tributary near Greenleaf, Wis.	-0.300	216	384	508	675	805	938

Table 2.--Flood discharges at selected recurrence intervals and WRC skew for gaging stations--Continued

Station number	Station name	WRC skew	Q ₂	Q ₅	Q ₁₀	Q ₂₅	Q ₅₀	Q ₁₀₀
4085200	Kewaunee River near Kewaunee, Wis.	-0.280	2,370	3,720	4,650	5,820	6,700	7,570
4085300	Neshota River tributary near Denmark, Wis.	-0.280	176	333	455	626	762	906
4085400	Killsnake River near Chilton, Wis.	-0.330	630	1,040	1,320	1,690	1,960	2,240
4085700	Sheboygan River tributary near Plymouth, Wis.	-0.380	116	198	256	330	385	441
4086000	Sheboygan River at Sheboygan, Wis.	-0.468	3,000	5,310	6,940	9,020	10,600	12,100
4086400	Milwaukee River tributary near Fredonia, Wis.	-0.400	52	98	132	179	215	251
4086500	Cedar Creek near Cedarburg, Wis.	-0.327	983	1,950	2,710	3,800	4,670	5,580
4087000	Milwaukee River at Milwaukee, Wis.	-0.354	4,790	7,330	9,010	11,100	12,600	14,000
4087050	Little Menomonee River near Freistadt, Wis.	-0.400	181	273	333	404	455	504
4087100	Honey Creek at Milwaukee, Wis.	0.454	252	375	472	612	730	860
4087120	Menomonee River at Wauwatosa, Wis.	-0.400	3,150	5,250	6,710	8,560	9,930	11,300
4087200	Oak Creek near South Milwaukee, Wis.	-0.400	239	439	586	781	931	1,080
4087204	Oak Creek at South Milwaukee, Wis.	-0.400	622	810	918	1,040	1,120	1,200
4087220	Root River near Franklin, Wis.	-0.400	1,450	2,430	3,110	3,980	4,620	5,250
4087230	West Branch Root River Canal tributary near North Cape, Wis.	-0.400	71	106	129	156	175	194
4087233	Root River Canal near Franklin, Wis.	-0.400	615	998	1,260	1,580	1,820	2,060
4087240	Root River at Racine, Wis.	-0.400	1,890	3,080	3,890	4,900	5,640	6,370
4087250	Pike Creek near Kenosha, Wis.	-0.400	78	132	170	219	255	290
5332500	Namekagon River near Trego, Wis.	0.374	1,180	1,630	1,960	2,400	2,750	3,130
5333100	Little Frog Creek near Minong, Wis.	-0.200	201	352	466	623	748	878
5333500	St. Croix River near Danbury, Wis.	-0.076	4,720	6,420	7,530	8,900	9,900	10,900
5334100	Sawyer Creek near Shell Lake, Wis.	-0.250	42	69	88	112	131	150
5335380	Bashaw Brook near Shell Lake, Wis. ¹	-0.150	87	153	202	270	327	386
5336000	St. Croix River near Grantsburg, Wis.	-0.117	10,400	14,700	17,400	20,800	23,300	25,700
5339500	St. Croix River near Rush City, Minn.	-0.292	19,200	30,800	38,700	48,900	56,500	64,000
5340300	Trade River near Frederic, Wis.	-0.300	127	213	274	354	415	476
5340500	St. Croix River at St. Croix Falls, Wis.	-0.519	22,200	33,100	39,900	47,800	53,300	58,300
5341500	Apple River near Somerset, Wis.	-0.235	1,180	1,670	1,990	2,380	2,650	2,930
5341700	Willow River tributary near New Richmond, Wis.	-0.300	47	101	146	213	269	329
5341900	Kinnickinnic River tributary at River Falls, Wis.	-0.400	323	1,210	2,280	4,260	6,250	8,670
5346600	Little Trimbelle Creek near Bay City, Wis.	-0.400	591	1,370	2,050	3,070	3,920	4,830
5356000	Chippewa River at Bishops Bridge near Winter, Wis.	-0.412	2,950	4,710	5,880	7,340	8,390	9,410
5356200	Kenyon Creek near Radisson, Wis.	-0.230	174	259	316	388	441	493
5356500	Chippewa River near Bruce, Wis.	-0.302	9,400	13,400	15,900	18,900	21,000	23,100
5357500	Flambeau River at Flambeau Flowage, Wis.	-0.130	1,470	2,420	3,120	4,060	4,800	5,570
5358000	Flambeau River near Butternut, Wis.	-0.130	1,860	3,050	3,930	5,110	6,050	7,010
5358500	Flambeau River at Babb's Island near Winter, Wis.	-0.269	4,080	6,090	7,410	9,060	10,300	11,400
5359200	South Fork Flambeau River tributary near Park Falls, Wis.	-0.200	26	45	58	76	90	105
5359500	South Fork Flambeau River near Phillips, Wis.	-0.273	4,260	5,880	6,890	8,100	8,960	9,780
5359600	Price Creek near Phillips, Wis. ¹	-0.215	138	188	220	258	285	312
5360000	Flambeau River near Ladysmith, Wis.	-0.129	10,100	14,300	17,200	20,900	23,800	26,800
5360200	Flambeau River tributary at Ladysmith, Wis.	-0.250	17	25	32	39	45	51
5360500	Flambeau River near Bruce, Wis.	-0.235	9,880	13,100	15,200	17,500	19,200	20,800
5361400	Hay Creek near Prentice, Wis.	-0.260	484	818	1,060	1,380	1,630	1,880
5361500	South Fork Jump River near Ogema, Wis.	-0.250	4,810	6,420	7,400	8,560	9,370	10,100
5362000	Jump River at Sheldon, Wis.	-0.063	8,240	12,500	15,500	19,400	22,500	25,600
5364000	Yellow River at Cadott, Wis.	-0.298	4,450	7,330	9,360	12,000	14,000	16,000
5364100	Seth Creek near Cadott, Wis.	-0.330	202	324	407	513	592	669
5364500	Duncan Creek at Bloomer, Wis.	-0.338	738	1,220	1,550	1,980	2,300	2,620
5365000	Duncan Creek at Chippewa Falls, Wis.	-0.330	1,850	2,910	3,630	4,530	5,200	5,850
5365500	Chippewa River at Chippewa Falls, Wis.	-0.356	37,900	53,900	63,900	75,700	84,100	92,000

Table 2.--Flood discharges at selected recurrence intervals and WRC skew for gaging stations--Continued

Station number	Station name	WRC skew	Q ₂	Q ₅	Q ₁₀	Q ₂₅	Q ₅₀	Q ₁₀₀
5365700	Goggle-Eye Creek near Thorp, Wis.	-0.300	427	810	1,110	1,520	1,850	2,190
5366000	Eau Claire River near Augusta, Wis.	-0.350	5,790	7,110	7,860	8,690	9,240	9,750
5366500	Eau Claire River near Fall Creek, Wis.	-0.357	7,490	13,100	17,200	22,500	26,500	30,600
5367000	Chippewa River at Eau Claire, Wis.	-0.200	50,000	55,300	65,100	77,000	85,500	93,800
5367030	Willow Creek near Eau Claire, Wis.	-0.350	166	230	269	315	347	378
5367480	East Branch Pine Creek tributary near Dallas, Wis.	-0.320	140	249	331	440	524	610
5367500	Red Cedar River near Colfax, Wis.	-0.189	5,660	9,010	11,400	14,500	16,800	19,300
5367700	Lightning Creek at Almena, Wis.	-0.300	603	943	1,170	1,460	1,680	1,890
5368000	Hay River at Wheeler, Wis.	-0.286	3,460	6,100	8,050	10,700	12,700	14,800
5369000	Red Cedar River at Menomonie, Wis.	-0.165	9,230	14,500	18,300	23,200	27,000	30,800
5369500	Chippewa River at Durand, Wis.	-0.055	42,000	64,000	80,500	103,400	121,900	141,700
5369800	Eau Galle River tributary near Hersey, Wis.	-0.350	65	137	197	284	355	431
5370000	Eau Galle River at Spring Valley, Wis.	0.623	2,650	4,410	5,970	8,470	10,800	13,500
5370600	Arkansaw Creek tributary near Arkansaw, Wis.	-0.400	160	244	298	363	410	455
5370900	Spring Creek near Durand, Wis.	-0.400	156	385	593	911	1,180	1,480
5371300	By Golly Creek near Nelson, Wis.	-0.400	20	49	75	113	146	182
5371800	Buffalo River tributary near Osseo, Wis.	-0.350	62	93	114	140	158	176
5372000	Buffalo River near Tell, Wis.	-0.400	2,960	5,200	6,790	8,870	10,400	12,000
5378200	Eagle Creek near Fountain City, Wis. ¹	-0.526	560	1,440	2,240	3,400	4,400	5,570
5379500	Trempealeau River at Dodge, Wis.	-0.190	4,030	6,910	9,060	12,000	14,300	16,700
5380800	Black River tributary near Whittlesey, Wis.	-0.290	118	171	205	247	278	307
5380900	Poplar River near Owen, Wis.	-0.300	4,410	6,780	8,360	10,300	11,800	13,200
5380970	Cawley Creek near Neillsville, Wis.	-0.330	1,800	3,180	4,190	5,530	6,570	7,620
5381000	Black River at Neillsville, Wis.	-0.331	12,800	19,900	24,700	30,700	35,000	39,300
5382000	Black River near Galesville, Wis.	-0.475	21,200	33,300	41,100	50,600	57,400	63,800
5382200	French Creek near Ettrick, Wis.	-0.400	369	743	1,040	1,450	1,770	2,100
5382300	Beaver Creek tributary near Sparta, Wis.	-0.400	127	182	216	257	285	311
5382500	Little La Crosse River near Leon, Wis.	-0.319	978	1,640	2,120	2,740	3,200	3,670
5383000	La Crosse River near West Salem, Wis.	-0.238	2,490	3,830	4,730	5,890	6,750	7,610
5383085	La Crosse CW, Wis. ¹	-0.417	4	7	10	13	16	19
5386300	Morman Creek near La Crosse, Wis.	-0.400	595	1,880	3,250	5,610	7,830	10,400
5387100	North Fork Bad Axe River near Genoa, Wis.	-0.400	1,290	2,090	2,630	3,300	3,800	4,280
5388460	Du Charme Creek at Eastman, Wis.	-0.400	78	157	220	306	375	446
5391000	Wisconsin River at Rainbow Lake near Lake Tomahawk, Wis.	-0.009	1,980	2,470	2,770	3,120	3,380	3,630
5392000	Wisconsin River at Whirlpool Rapids near Rhinelander, Wis.	-0.159	3,190	4,060	4,610	5,260	5,720	6,200
5392150	Mishonago Creek near Woodruff, Wis.	-0.130	67	86	97	111	120	130
5392350	Bearskin Creek near Harshaw, Wis. ¹	0.385	76	99	115	137	152	169
5393000	Tomahawk River at Bradley, Wis.	-0.148	1,250	1,780	2,120	2,550	2,870	3,180
5393500	Spirit River at Spirit Falls, Wis.	-0.319	1,490	2,290	2,820	3,490	3,980	4,450
5394000	New Wood River near Merrill, Wis.	-0.220	1,150	1,710	2,090	2,560	2,910	3,260
5394200	Devil Creek near Merrill, Wis. ¹	-0.170	254	390	489	610	705	806
5394500	Prairie River near Merrill, Wis.	-0.125	1,420	2,200	2,740	3,450	4,000	4,550
5395000	Wisconsin River at Merrill, Wis.	-0.235	13,000	18,400	21,700	25,900	28,800	31,700
5395100	Trappe River tributary near Merrill, Wis.	-0.358	144	266	361	485	585	691
5396000	Rib River at Rib Falls, Wis.	-0.349	6,930	12,100	15,800	20,600	24,300	28,000
5396100	Pet Brook near Edgar, Wis.	-0.260	599	1,020	1,320	1,730	2,040	2,370
5397500	Eau Claire River at Kelly, Wis.	-0.293	3,400	5,180	6,370	7,860	8,960	10,000
5397600	Big Sandy Creek near Wausau, Wis.	-0.250	519	938	1,260	1,700	2,040	2,410
5398000	Wisconsin River at Rothschild, Wis.	-0.338	27,100	38,100	44,900	53,100	58,800	64,200
5399000	Big Eau Pleine River near Colby, Wis.	-0.250	2,670	4,540	5,910	7,730	9,140	10,600
5399200	Randall Creek tributary near Abbotsford, Wis.	-0.250	111	192	253	334	397	463

Table 2.--Flood discharges at selected recurrence intervals and WRC skew for gaging stations--Continued

Station number	Station name	WRC skew	Q ₂	Q ₅	Q ₁₀	Q ₂₅	Q ₅₀	Q ₁₀₀
5399333	Colby W-1, Wis. ¹	-0.424	23	63	102	165	220	283
5399500	Big Eau Pleine River near Stratford, Wis.	-0.208	8,070	13,600	17,600	23,000	27,200	31,500
5400000	Wisconsin River at Knowlton, Wis.	-0.400	34,100	48,600	57,900	69,500	77,800	85,900
5400500	Plover River near Stevens Point, Wis.	-0.300	755	1,050	1,230	1,440	1,590	1,740
5400600	Little Plover River near Arnott, Wis.	-0.300	40	61	74	91	104	116
5400650	Little Plover River at Plover, Wis. ¹	-0.097	45	68	85	106	123	140
5400800	Wisconsin River at Wisconsin Rapids, Wis.	-0.475	32,000	45,700	53,900	63,400	70,000	76,000
5401050	Tenmile Creek near Nekoosa, Wis.	-0.320	210	296	350	415	461	504
5401500	Wisconsin River near Necedah, Wis.	-0.500	31,200	45,300	53,800	63,700	70,500	76,800
5401535	Big Roche a Cri Creek near Adams, Wis.	-0.350	175	254	303	364	406	447
5401800	Yellow River tributary near Pittsville, Wis.	-0.300	419	555	636	732	798	860
5402000	Yellow River near Babcock, Wis.	-0.461	5,290	7,220	8,350	9,650	10,500	11,300
5402500	Yellow River at Sprague, Wis.	-0.350	3,260	5,650	7,370	9,630	11,300	13,100
5403000	Yellow River at Necedah, Wis.	-0.350	6,200	8,710	10,300	12,100	13,400	14,600
5403500	Lemonweir River at New Lisbon, Wis.	-0.474	2,860	4,560	5,670	7,101	7,970	8,890
5403520	Webster Creek at New Lisbon, Wis.	-0.400	159	322	451	631	774	922
5403550	One Mile Creek near Mauston, Wis.	-0.400	479	893	1,200	1,620	1,940	2,260
5403700	Dell Creek near Lake Delton, Wis.	-0.400	365	601	763	968	1,120	1,270
5404000	Wisconsin River near Wisconsin Dells, Wis.	-0.484	34,000	46,800	54,000	64,600	73,000	82,000
5404200	Narrows Creek at Loganville, Wis. ¹	-0.232	1,650	2,900	3,840	5,100	6,100	7,200
5405000	Baraboo River near Baraboo, Wis.	-0.465	3,100	4,860	6,010	7,400	8,380	9,330
5405600	Rowan Creek at Poynette, Wis.	-0.400	239	662	1,080	1,750	2,340	3,020
5406000	Wisconsin River at Prairie du Sac, Wis.	-0.541	36,400	52,200	62,000	72,400	79,600	86,200
5406500	Black Earth Creek at Black Earth, Wis.	-0.400	488	878	1,160	1,530	1,820	2,100
5406800	Rocky Branch near Richland Center, Wis.	-0.400	152	342	504	741	937	1,150
5407000	Wisconsin River at Muscoda, Wis.	-0.533	35,300	49,800	58,300	68,000	74,500	80,400
5407032	Fennimore W-1, Wis. ¹	-0.385	68	144	207	296	369	446
5407033	Fennimore W-2, Wis. ¹	-0.331	15	33	50	74	94	117
5407034	Fennimore W-3, Wis. ¹	-0.321	23	52	76	113	144	178
5407035	Fennimore W-4, Wis. ¹	-0.329	83	182	266	392	497	611
5407100	Richland Creek near Plughtown, Wis.	-0.400	591	1,190	1,670	2,330	2,850	3,390
5407200	Crooked Creek near Boscobel, Wis.	-0.400	501	1,070	1,540	2,210	2,760	3,330
5407400	Morris Creek tributary near Norwalk, Wis.	-0.400	455	692	844	1,030	1,160	1,290
5408000	Kickapoo River at La Farge, Wis.	-0.066	3,090	5,200	6,850	9,200	11,300	13,500
5408500	Knapp Creek near Bloomingdale, Wis.	-0.400	559	1,110	1,530	2,120	2,580	3,060
5410000	Kickapoo River at Gays Mills, Wis.	-0.258	3,130	5,180	6,670	8,630	10,100	11,700
5410500	Kickapoo River at Steuben, Wis.	-0.174	3,240	5,700	7,660	10,600	12,900	15,400
5413400	Pigeon Creek near Lancaster, Wis. ¹	-0.359	553	1,190	1,730	2,530	3,200	3,870
5413500	Grant River at Burton, Wis.	-0.488	7,530	13,700	18,100	23,800	28,000	32,200
5414000	Platte River near Rockville, Wis.	-0.177	4,880	8,710	11,700	15,800	19,100	22,600
5414200	Bear Branch near Platteville, Wis.	-0.400	406	729	965	1,270	1,510	1,750
5414900	Pats Creek near Elk Grove, Wis.	-0.400	567	1,180	1,680	2,390	2,960	3,550
5415000	Galena River at Buncombe, Wis.	-0.126	5,390	8,330	10,400	13,100	15,200	17,300
5415500	East Fork Galena River at Council Hill, Ill.	-0.351	2,100	4,230	5,930	8,330	10,300	12,300
5423000	West Branch Rock River near Waupun, Wis.	-0.416	301	672	984	1,440	1,810	2,200
5423300	South Branch Rock River tributary near Waupun, Wis.	-0.400	175	382	555	805	1,010	1,220
5423500	South Branch Rock River at Waupun, Wis.	-0.400	426	903	1,290	1,850	2,300	2,770
5423800	East Branch Rock River tributary near Slinger, Wis.	-0.400	144	202	238	279	308	334
5424000	East Branch Rock River near Mayville, Wis.	-0.400	1,060	1,900	2,520	3,330	3,940	4,560
5424300	Rock River tributary near Watertown, Wis.	-0.400	110	174	217	269	307	344
5425500	Rock River at Watertown, Wis.	-0.403	1,890	2,890	3,540	4,320	4,890	5,430
5425700	Robbins Creek near Columbus, Wis.	-0.400	114	237	336	477	589	707
5426000	Crawfish River at Milford, Wis.	-0.509	2,180	3,350	4,100	4,980	5,590	6,170

Table 2.--Flood discharges at selected recurrence intervals and WRC skew for gaging stations--Continued

Station number	Station name	WRC skew	Q ₂	Q ₅	Q ₁₀	Q ₂₅	Q ₅₀	Q ₁₀₀
5426100	Scuppernong Creek near Wales, Wis.	-0.400	91	130	154	183	202	221
5427200	Allen Creek near Fort Atkinson, Wis.	-0.400	109	166	204	249	282	313
5427800	Token Creek near Madison, Wis. ¹	-0.266	232	430	587	805	980	1,160
5430100	Badfish Creek near Stoughton, Wis.	-0.400	412	741	981	1,300	1,540	1,780
5430500	Rock River at Afton, Wis.	-0.577	6,350	9,050	10,600	12,400	13,600	14,700
5431400	Little Turtle Creek st Allens Grove, Wis.	-0.400	911	2,280	3,530	5,450	7,110	8,920
5431500	Turtle Creek near Clinton, Wis.	-0.353	2,160	4,200	5,780	7,980	9,720	11,500
5432300	Rock Branch near Mineral Point, Wis.	-0.400	362	591	747	943	1,090	1,230
5432500	Pecatonica River at Darlington, Wis.	-0.271	4,020	7,170	9,530	12,800	15,300	17,900
5433000	East Branch Pecatonica River near Blanchardville, Wis.	-0.310	2650 1,490	4970 2,100	6750 2,420	9210 2,750	11200 2,950	13200 3,120
5433500	Yellowstone River near Blanchardville, Wis.	-0.400	1490 1,630	2100 1,890	2420 2,020	2750 2,160	2950 2,260	3120 2,340
5434200	Skinner Creek tributary near Monroe, Wis.	-0.400	43	79	106	142	169	197
5434500	Pecatonica River at Martintown, Wis.	-0.356	5,900	9,300	11,600	14,400	16,500	18,600
5435900	Sugar River tributary near Pine Bluff, Wis.	-0.400	164	285	371	482	565	647
5436000	Mt. Vernon Creek near Mt. Vernon, Wis.	-0.400	309	551	726	956	1,130	1,310
5436200	Sugar River tribuary No. 2 near Brooklyn, Wis.	-0.400	99	145	175	210	235	259
5436500	Sugar River near Brodhead, Wis.	-0.358	3,690	6,740	9,010	12,100	14,400	16,800
5437200	East Fork Raccoon Creek tributary near Beloit, Wis.	-0.400	138	304	444	646	812	988
5543830	Fox River at Waukesha, Wis.	-0.388	949	1,440	1,760	2,150	2,430	2,690
5544300	Mukwonago River tributary near Mukwonago, Wis.	-0.400	28	46	58	74	85	96
5545100	Sugar Creek at Elkhorn, Wis.	-0.400	130	236	313	416	494	573
5545200	White River tributary near Burlington, Wis.	-0.400	97	157	198	249	287	324
5545300	White River near Burlington, Wis. ¹	-0.036	882	1,490	1,980	2,620	3,180	3,790
5546500	Fox River at Wilmot, Wis.	-0.293	2,630	3,850	4,630	5,590	6,290	6,960
5548150	North Branch Nippersink Creek tributary near Genoa City, Wis.	-0.400	171	225	257	292	316	338

¹Rainfall-runoff station.

TABLE 3. DRAINAGE BASIN CHARACTERISTICS FOR RURAL GAGING STATIONS

STATION NUMBER	CONTRIBUTING DATA AREA (Square Miles)	SLOPE	STORAGE	FOREST	PRECIPITATION	124.2	SNOWFALL	SOIL PERMEABILITY
4024400	2.20	56.30	0.0	51.80	30.00	2.55	51.00	0.12
4025200	4.01	75.20	0.0	39.60	29.00	2.53	57.00	0.12
4025500	120.00	3.60	15.40	85.00	30.50	2.55	55.00	2.98
4026200	1.14	204.00	1.75	98.00	29.00	2.50	70.00	0.12
4026300	14.90	48.60	1.21	82.60	29.00	2.50	69.00	2.19
4026400	6.18	11.50	39.40	81.40	33.40	2.53	59.00	1.65
4026700	0.66	178.80	0.0	24.20	32.00	2.54	55.00	0.12
4027000	611.00	18.80	9.70	80.00	32.40	2.52	70.00	1.51
4027200	10.50	34.40	10.80	84.30	32.00	2.55	55.00	1.65
4027500	279.00	19.10	13.10	80.00	31.10	2.53	56.00	2.18
4028000	63.00	8.62	15.70	81.10	35.00	2.49	100.00	1.65
4029700	5.94	84.60	13.10	84.10	32.50	2.49	100.00	1.65
4059900	1.02	12.00	5.60	81.20	30.50	2.41	70.00	4.18
4063700	131.00	6.24	22.80	94.50	29.80	2.38	59.00	1.40
4063800	41.40	14.80	24.00	79.40	30.00	2.38	60.00	1.65
4064500	533.00	8.78	22.00	89.00	30.20	2.40	65.00	1.79
4066300	3.20	27.40	19.10	85.30	29.00	2.35	57.00	2.93
4066500	255.00	12.60	17.20	86.00	29.10	2.38	57.00	4.79
4066700	1.33	19.20	20.30	35.30	28.60	2.35	53.00	0.50
4067800	23.10	7.52	36.50	61.50	29.60	2.40	58.00	2.04
4068000	537.00	6.53	19.30	87.00	29.40	2.39	54.00	0.0 B
4069500	1120.00	6.21	18.40	72.00	29.00	2.37	52.00	2.41
4071000	678.00	7.50	16.80	88.00	29.40	2.41	48.00	2.80
4071700	23.30	10.60	15.80	26.20	28.50	2.37	47.00	0.50
4071800	41.80	11.00	6.53	3.50	28.00	2.42	46.00	0.57
4073400	3.59	27.70	5.57	31.80	29.30	2.60	43.00	4.46
4073500	1430.00	0.84	12.60	22.00	29.50	2.65	40.00	3.69
4074700	9.00	6.09	29.20	80.10	30.50	2.48	50.00	1.48
4075200	4.90	19.70	9.90	86.90	30.50	2.45	48.00	1.92
4075500	633.00	9.60	15.50	76.00	30.20	2.44	61.00	2.78
4077000	812.00	9.51	13.90	69.00	30.20	2.44	60.00	1.84
4078500	395.00	11.90	15.00	36.00	30.60	2.49	46.00	1.72
4079000	2240.00	5.80	14.60	43.00	29.80	2.46	57.00	1.81
4079700	4.90	18.50	20.80	84.50	30.50	2.52	47.00	1.65
4080000	514.00	8.77	15.80	35.00	30.30	2.50	45.00	1.28
4081000	272.00	10.00	6.20	26.00	30.40	2.53	45.00	2.29
4081010	1.00	30.40	1.00	4.00	29.50	2.50	43.00	0.50
4081900	15.30	11.00	0.33	1.96	28.50	2.48	39.00	0.12
4083000	84.50	6.86	9.20	6.44	29.20	2.52	39.00	0.48
4083400	1.19	70.00	1.68	3.36	29.70	2.55	39.00	1.25
4083500	77.90	3.85	7.30	6.00	29.50	2.51	39.00	0.70
4085030	15.00	11.80	0.0	1.99	26.50	2.45	42.00	0.12
4085100	8.00	40.90	12.50	13.00	28.00	2.43	44.00	0.69
4085200	129.00	10.50	0.43	8.92	26.50	2.36	47.00	0.36
4085300	3.08	22.90	0.0	2.60	27.00	2.40	45.00	0.12
4085400	29.50	9.23	1.42	5.39	29.00	2.46	42.00	0.22
4085700	5.51	21.00	2.54	12.50	29.50	2.47	43.00	0.39
4086000	432.00	4.63	9.60	13.00	29.70	2.47	41.00	0.68
4086400	0.82	27.60	2.38	1.19	29.00	2.50	43.00	0.12
4086500	120.00	9.90	10.70	3.00	29.70	2.56	41.00	0.64
4087000	696.00	5.32	9.90	12.00	29.60	2.52	41.00	0.77
4087120	123.00	8.95	0.60	5.02	29.50	2.57	42.00	0.50
4087200	13.80	10.70	0.43	9.40	30.50	2.61	42.00	0.50
4087230	3.19	21.40	2.04	2.55	32.00	2.65	42.00	0.50
4087240	182.71	2.16	1.70	3.50	32.00	2.65	40.00	0.27
4087250	7.25	8.15	0.97	0.42	32.20	2.68	40.00	0.80
5333100	13.00	28.50	27.70	92.30	30.30	2.60	47.00	1.77
5334100	1.04	67.80	0.96	16.80	28.20	2.64	44.00	1.65
5335380	22.80	16.70	11.20	41.90	28.00	2.66	43.00	2.40
5340300	6.34	53.80	11.20	44.20	28.00	2.66	43.00	1.65
5341700	1.40	50.70	0.0	7.14	28.70	2.75	40.00	0.80
5341900	7.26	96.00	0.0	3.17	29.40	2.78	40.00	0.46
5346600	19.90	34.90	0.0	17.60	29.50	2.80	40.00	1.24
5356200	7.50	12.20	24.70	87.90	31.00	2.60	45.00	1.65
5359200	0.86	23.10	38.40	86.10	33.00	2.53	48.00	1.65
5359500	615.00	3.69	33.30	72.60	33.40	2.54	48.00	2.02
5359600	16.90	5.14	39.70	95.30	32.50	2.58	45.00	1.74
5360200	0.80	15.20	28.80	48.70	30.00	2.65	42.00	1.41

TABLE 3. DRAINAGE BASIN CHARACTERISTICS FOR RURAL GAGING STATIONS -- Continued.

STATION NUMBER	CONTRIBUTING DATA AREA (Square Miles)	SLOPE	STORAGE	FOREST	PRECIPITATION	124.2	SNOWFALL	SOIL PERMEABILITY
5361400	21.90	15.60	25.80	62.60	34.00	2.56	45.00	0.48
5362000	574.00	8.30	17.60	62.00	33.60	2.60	43.00	0.63
5364000	351.00	5.96	14.10	63.00	32.70	2.63	41.00	0.67
5364100	3.04	43.80	0.66	32.90	31.00	2.71	40.00	0.50
5364500	49.20	8.10	3.54	19.10	30.00	2.72	40.00	2.15
5365000	114.00	6.75	1.60	11.00	30.10	2.62	38.00	2.01
5365700	6.70	20.00	6.42	16.90	32.70	2.68	41.00	0.20
5366000	506.00	7.40	5.70	45.00	32.60	2.69	43.00	1.72
5366500	758.00	6.36	4.40	43.50	32.30	2.71	42.00	1.77
5367030	4.38	57.10	0.0	9.80	30.50	2.76	40.00	2.69
5367480	3.85	52.40	0.0	12.20	28.70	2.70	40.00	1.34
5367500	1100.00	4.17	7.80	38.70	29.00	2.68	42.00	2.02
5367700	19.80	17.10	5.56	8.14	28.00	2.70	42.00	0.79
5368000	426.00	6.12	3.20	32.40	28.30	2.74	40.00	2.12
5369000	1760.00	4.33	6.00	35.00	28.50	2.70	40.00	2.20
5369800	0.65	68.20	0.0	33.80	29.10	2.77	40.00	0.63
5370600	2.56	102.20	0.0	27.30	29.90	2.82	40.00	1.32
5370900	6.49	79.60	0.0	56.90	30.20	2.83	40.00	1.63
5371300	0.28	270.00	0.0	50.00	30.20	2.83	40.00	1.65
5371800	1.44	67.10	0.0	44.40	31.50	2.77	46.00	2.50
5372000	406.00	6.30	2.10	28.60	30.70	2.79	40.00	2.36
5378200	26.80	40.90	0.0	47.60	30.70	2.86	41.00	1.65
5379500	643.00	3.64	1.40	25.80	31.00	2.82	45.00	1.77
5380800	2.12	18.60	8.50	31.60	33.50	2.61	45.00	0.93
5380900	157.00	7.04	4.17	22.20	33.00	2.65	47.00	0.50
5380970	38.60	17.20	0.08	20.30	32.00	2.70	50.00	0.50
5381000	756.00	5.81	7.30	30.80	32.80	2.67	46.00	0.0 B
5382000	2120.00	5.51	8.20	43.70	31.70	2.75	50.00	0.0 B
5382200	14.30	33.80	0.0	26.60	31.00	2.83	50.00	1.65
5382300	1.72	66.20	0.0	39.00	31.50	2.83	48.00	4.22
5382500	77.10	20.00	2.60	30.40	31.70	2.86	46.00	1.68
5383000	398.00	6.98	3.10	31.90	31.60	2.85	48.00	2.99
5383085	0.01	667.00	0.0	0.0	31.80	2.88	45.00	1.65
5386300	25.50	47.50	0.0	36.00	31.80	2.89	47.00	1.65
5387100	80.90	27.30	0.0	28.00	32.40	2.90	45.00	1.65
5388460	0.30	200.00	0.0	30.00	33.30	3.00	43.00	1.65
5392150	13.90	6.77	26.20	82.40	32.00	2.48	60.00	6.22
5392350	19.60	6.48	28.70	69.30	31.00	2.54	48.00	6.27
5393500	81.60	12.50	17.20	51.50	33.00	2.57	46.00	0.85
5394000	82.20	14.70	14.50	84.20	32.50	2.55	48.00	0.74
5394200	9.58	10.50	2.48	26.40	32.50	2.57	50.00	0.50
5394500	184.00	10.40	23.20	74.60	30.80	2.49	51.00	1.54
5395100	1.58	35.00	0.0	34.50	31.40	2.53	50.00	0.50
5396000	303.00	11.80	6.80	55.40	33.30	2.59	47.00	0.89
5396100	6.86	54.50	0.0	15.30	32.90	2.58	50.00	0.42
5397500	375.00	8.28	11.40	45.20	30.70	2.50	50.00	1.28
5397600	11.50	20.30	0.0	55.40	31.50	2.53	50.00	0.47
5399000	78.10	9.29	3.80	17.40	33.30	2.61	49.00	0.25
5399200	0.56	62.20	8.93	16.00	33.20	2.62	50.00	0.25
5399333	0.54	57.10	0.0	4.00	33.00	2.65	50.00	0.50
5399500	224.00	10.10	1.90	21.20	33.20	2.61	50.00	0.31
5400500	145.00	5.64	18.90	40.70	31.40	2.52	49.00	1.76
5400650	7.91	10.70	1.50	26.50	31.20	2.59	48.00	5.96
5401050	73.30	6.54	8.00	22.70	30.00	2.68	47.00	8.46
5401535	52.80	4.83	1.50	38.70	29.70	2.69	45.00	7.28
5401800	7.23	20.10	0.30	27.50	31.30	2.66	50.00	0.57
5402000	215.00	7.63	4.90	39.20	31.50	2.69	51.00	0.77
5402500	392.00	6.81	7.60	45.00	31.00	2.70	50.00	0.67
5403000	491.00	6.07	9.40	48.70	30.80	2.70	49.00	2.26
5403500	507.00	3.65	15.60	44.20	31.00	2.76	47.00	2.88

TABLE 3. DRAINAGE BASIN CHARACTERISTICS FOR RURAL GAGING STATIONS -- Continued.

STATION NUMBER	CONTRIBUTING DATA AREA (Square Miles)	SLOPE	STORAGE	FOREST	PRECIPITATION	124.2	SNOWFALL	SOIL PERMEABILITY
5403520	11.80	19.30	0.0	41.70	30.80	2.78	45.00	1.15
5403550	30.20	15.90	0.50	28.30	31.00	2.80	43.00	1.26
5403700	44.90	11.60	0.94	28.50	31.00	2.79	43.00	2.40
5404200	40.10	29.10	0.0	13.00	33.00	2.84	42.00	1.59
5405000	609.00	2.02	0.60	28.80	31.80	2.82	43.00	1.48
5405600	10.40	30.40	0.30	8.90	30.00	2.75	38.00	1.42
5406500	42.80	9.42	0.20	21.80	29.30	2.80	38.00	1.52
5406800	1.68	91.30	0.0	40.90	33.00	2.90	41.00	1.65
5407032	0.27	188.90	0.0	0.0	33.40	3.00	40.00	1.65
5407033	0.04	281.20	0.0	0.0	33.40	3.00	40.00	1.65
5407034	0.08	177.40	0.0	0.0	33.40	3.00	40.00	1.65
5407035	0.52	102.50	0.0	0.0	33.40	3.00	40.00	1.65
5407100	19.20	51.80	0.0	35.90	33.10	2.98	42.00	1.65
5407200	12.90	67.50	0.0	35.10	33.20	2.99	41.00	1.65
5407400	4.59	126.30	0.0	29.90	31.60	2.85	47.00	1.65
5408000	266.00	9.13	0.10	34.00	31.80	2.86	46.00	0.0 B
5410500	690.00	4.30	0.30	37.20	32.60	2.90	43.00	0.0 B
5413400	6.93	49.80	0.0	1.62	33.80	3.02	41.00	1.65
5413500	269.00	9.73	0.0	22.10	33.60	3.03	41.00	1.65
5414000	142.00	11.50	0.0	22.30	33.60	3.02	39.00	1.65
5414200	2.72	60.20	0.0	1.07	33.80	3.01	40.00	1.65
5414900	8.50	26.90	0.0	4.00	33.60	3.01	39.00	1.65
5415000	125.00	11.32	0.0	4.10	33.70	3.00	36.00	1.62
5415500	17.60	37.30	0.0	3.70	33.70	3.00	35.00	1.53
5423000	40.70	9.58	10.00	1.57	29.50	2.53	39.00	0.96
5423300	12.60	13.80	14.50	1.18	30.60	2.58	39.00	1.65
5423500	63.60	8.33	8.20	1.50	29.60	2.57	38.00	1.51
5423800	4.42	74.20	0.99	7.56	31.00	2.58	41.00	0.80
5424000	181.00	3.21	3.80	10.60	30.50	2.54	40.00	0.79
5424300	4.58	13.20	0.0	4.58	31.70	2.65	39.00	0.56
5425500	969.00	1.38	12.10	9.10	30.70	2.59	38.00	0.99
5425700	8.01	21.00	1.99	3.86	30.80	2.70	38.00	1.65
5426000	762.00	2.50	11.10	7.40	30.50	2.67	38.00	1.18
5426100	5.69	21.10	13.10	12.70	31.80	2.64	41.00	2.67
5427200	10.20	15.50	4.11	3.24	32.00	2.75	38.00	2.98
5427800	24.30	8.53	1.24	3.43	30.40	2.75	38.00	1.65
5430100	39.80	8.01	1.78	4.40	30.60	2.80	38.00	1.92
5430500	3338.00	0.74	11.40	7.90	30.90	2.80	37.00	1.20
5431400	41.80	9.17	0.26	2.63	32.50	2.78	39.00	0.63
5431500	202.00	2.68	2.60	8.10	32.50	2.80	39.00	1.47
5432300	4.83	80.10	0.0	6.42	33.00	2.93	38.00	0.98
5432500	273.00	8.25	0.0	11.70	33.20	2.97	38.00	1.57
5433000	221.00	8.25	0.10	17.20	31.90	2.90	37.00	0.68
5433500	28.50	26.40	0.0	7.00	32.60	2.94	35.00	0.51
5434200	0.48	135.70	0.0	0.0	32.50	2.90	37.00	0.12
5434500	1034.00	2.27	0.30	11.50	32.60	2.90	36.00	1.08
5435900	7.42	43.90	0.0	10.80	30.20	2.82	38.00	0.42
5436000	16.40	25.00	0.0	13.00	30.70	2.85	37.00	0.36
5436200	3.34	59.40	0.0	5.69	30.90	2.84	37.00	1.65
5436500	523.00	3.18	0.90	12.00	31.00	2.90	36.00	1.08
5437200	4.64	24.30	0.0	3.85	32.80	2.85	36.00	0.78
5543830	126.49	6.73	5.20	6.70	30.80	2.62	42.00	0.56
5544300	1.32	21.10	0.0	4.55	31.60	2.68	42.00	3.75
5545100	6.68	12.00	3.60	4.04	32.50	2.75	41.00	0.36
5545200	2.42	34.80	0.83	2.48	32.20	2.72	42.00	1.08
5545300	97.50	15.10	15.40	13.30	32.30	2.74	41.00	0.81
5546500	868.00	1.11	7.80	10.00	31.60	2.70	41.00	0.74
5548150	13.50	12.80	3.80	1.67	32.50	2.76	41.00	2.75

TABLE 4. ANNUAL PEAK DATA AT GAGING STATIONS

STATION NO. - 04024400

DRAINAGE AREA - 2.20 SQ MI

STATION NAME - STONEY BROOK NEAR SUPERIOR, WIS.

GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1959	05-31-59	11.02	35	1969	10-09-68	12.40	85
1960	04-23-60	13.71	140	1970	04-20-70	18.00	235
1961	04-16-61	14.24	165	1971	04-09-71	14.26	165
1962	05-23-62	17.59	280	1972	09-20-72	26.63	460
1963	06-25-63	10.80	30	1973	03-12-73	13.14	115
1964	09-07-64	17.30	275	1974	06-10-74	16.16	243
1965	09-30-65	12.55	90	1975	07-02-75	17.83	285
1966	07-08-66	26.60	460	1976	04-02-76	18.60	300
1967	06-14-67	15.04	200	1977	09-23-77	14.49	177
1968	06-06-68	13.46	128	1978	08-23-78	19.60	320

STATION NO. - 04025200

DRAINAGE AREA - 4.01 SQ MI

STATION NAME - PEARSON CREEK NEAR MAPLE, WIS.

GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1957	07-20-57	22.65	1,030	1968	06-06-68	12.72	260
1958	07-02-58	25.71	1,190	1969	04-08-69	12.98	280
1959	09-07-59	12.31	230	1970	04-20-70	13.24	310
1960	09-02-60	14.13	400	1971	04-09-71	14.59	420
1961	05-15-61	14.25	415	1972	09-20-72	19.45	850
1962	05-15-62	29.60	1,360	1973	08-08-73	12.29	230
1963	04-02-63	11.04	150	1974	06-10-74	12.17	220
1964	09-07-64	23.21	1,060	1975	07-02-75	11.67	185
1965	04-13-65	14.07	380	1976	04-02-76	12.62	255
1966	04-01-66	12.04	210	1977	09-04-77	12.04	215
1967	03-31-67	13.73	340	1978	04-06-78	14.03	375

STATION NO. - 04025500

DRAINAGE AREA - 120 SQ MI

STATION NAME - BOIS BRULE RIVER AT BRULE, WIS.

GAGE DATUM - 948.49 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1943	06-14-43	3.1	450	1961	05-15-61	4.00	923
1944	06-05-44	5.2	1,520	1962	05-15-62	3.68	779
1945	03-27-45	3.1	501	1963	04-02-63	2.30	305
1946	03-21-46	2.7	415	1964	05-06-64	2.92	487
1947	04-23-47	2.7	387	1965	04-18-65	4.09	855
1948	04-11-48	2.9	565	1966	03-17-66	3.35	549
1949	05-06-49	3.9	870	1967	03-31-67	4.31	963
1950	05-06-50	4.7	1,270	1968	04-23-68	2.90	428
1951	06-24-51	3.66	779	1969	04-14-69	* 4.09	903
1952	07-18-52	4.22	1,020	1970	05-21-70	* 3.14	482
1953	06-20-53	4.78	1,320	1971	04-12-71	4.27	943
1954	05-01-54	4.4	1,120	1972	04-20-72	4.05	822
1955	07-30-55	2.65	394	1973	03-28-73	* 2.79	391
1956	04-16-56	2.93	482	1974	06-10-74	* 3.31	563
1957	04-20-57	3.02	513	1975	04-22-75	3.26	519
1958	07-01-58	3.8	832	1976	04-06-76	* 3.78	20
1959	06-29-59	2.46	339	1977	09-06-77	2.82	398
1960	04-23-60	4.20	1,020	1978	08-23-78	3.90	766

* DENOTES ANNUAL PEAK GAGE HEIGHT OCCURRED AT A TIME DIFFERENT THAN THAT OF PEAK DISCHARGE

TABLE 4. ANNUAL PEAK DATA AT GAGING STATIONS -- Continued.

STATION NO. - 04026200
DRAINAGE AREA - 1.14 SQ MI

STATION NAME - SAND RIVER TRIBUTARY NEAR RED CLIFF, WIS.
GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1959	04-00-59	10.86	90	1969	04-12-69	10.46	65
1960	04-24-60	10.56	68	1970	04-20-70	11.68	140
1961	04-16-61	11.40	125	1971	04-09-71	11.39	125
1962	05-23-62	10.34	58	1972	08-16-72	14.27	360
1963	04-02-63	10.47	65	1973	08-07-73	10.49	65
1964	05-23-64	16.86	624	1974	04-17-74	11.34	120
1965	-----	---	<40	1975	04-19-75	10.90	90
1966	04-08-66	10.43	64	1976	04-02-76	10.93	95
1967	03-30-67	11.84	158	1977	04-21-77	10.63	75
1968	06-06-68	10.56	68	1978	-----	---	<40

STATION NO. - 04026300
DRAINAGE AREA - 35.2 SQ MI

STATION NAME - SIOUX RIVER NEAR WASHBURN, WIS.
GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1959	05-26-59	11.05	310	1969	10-09-68	11.94	435
1960	04-24-60	17.48	1,620	1970	04-20-70	11.57	370
1961	06-12-61	11.74	430	1971	04-09-71	12.80	580
1962	05-23-62	13.85	820	1972	08-22-72	16.67	1,420
1963	04-02-63	11.46	380	1973	08-08-73	11.35	340
1964	05-23-64	17.50	1,630	1974	06-10-74	13.73	770
1965	04-19-65	10.73	260	1975	04-27-75	11.22	320
1966	03-17-66	12.47	525	1976	04-05-76	11.54	365
1967	03-30-67	12.85	580	1977	04-21-77	12.34	495
1968	03-18-68	10.95	280	1978	08-23-78	13.38	695

STATION NO. - 04026400
DRAINAGE AREA - 6.18 SQ MI

STATION NAME - SPILLERBERG CREEK NEAR CAYUGA, WIS.
GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1958	07-02-58	13.86	157	1969	04-12-69	12.14	85
1959	05-00-59	10.87	35	1970	04-20-70	11.20	48
1960	09-01-60	12.32	84	1971	04-09-71	12.46	97
1961	05-14-61	11.11	44	1972	08-16-72	12.68	105
1962	05-18-62	11.07	43	1973	03-11-73	11.29	50
1963	04-02-63	11.18	47	1974	04-17-74	12.15	90
1964	04-13-64	12.03	78	1975	05-20-75	12.10	84
1965	04-15-65	11.98	76	1976	04-02-76	12.06	82
1966	04-19-66	11.34	53	1977	09-04-77	12.04	81
1967	06-14-67	12.20	84	1978	08-23-78	15.57	170
1968	05-16-68	11.48	58				

STATION NO. - 04026450
DRAINAGE AREA - 83.4 SQ MI

STATION NAME - BAD RIVER NEAR MELLEEN, WIS.
GAGE DATUM - 1,390.00 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1971	04-17-71	6.36	1,360	1975	04-24-75	5.49	1,030
1972	07-23-72	7.61	2,130	1976	03-31-76	4.50	710
1973	03-29-73	4.17	620	1977	08-31-77	4.58	735
1974	06-11-74	4.86	886	1978	08-23-78	4.85	815

TABLE 4. ANNUAL PEAK DATA AT GAGING STATIONS -- Continued.

STATION NO. - 04026700

DRAINAGE AREA - .77 SQ MI

STATION NAME - TROUT BROOK TRIBUTARY NEAR MARENGO, WIS.

GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1960	04-24-60	11.99	192	1970	05-21-70	10.50	80
1961	04-16-61	11.49	154	1971	04-09-71	10.40	74
1962	08-31-62	10.00	48	1972	08-16-72	11.60	160
1963	04-02-63	11.41	148	1973	05-02-73	10.72	95
1964	05-06-64	13.23	295	1974	06-10-74	12.06	195
1965	05-21-65	10.00	48	1975	04-28-75	10.40	74
1966	06-06-66	10.47	80	1976	04-02-76	11.35	144
1967	03-30-67	12.22	210	1977	08-31-77	14.00	305
1968	07-12-68	12.77	255	1978	08-23-78	11.10	120
1969	09-15-69	10.10	55				

STATION NO. - 04027000

DRAINAGE AREA - 611 SQ MI

STATION NAME - BAD RIVER NEAR ODANAH, WIS.

GAGE DATUM - 668.30 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1915	05-16-15	---	3,900	1961	05-16-61	9.7	6,670
1916	04-22-16	---	12,200	1962	05-14-62	8.34	4,970
1917	04-21-17	---	4,060	1963	04-02-63	10.10	7,190
1918	06-01-18	---	8,590	1964	05-06-64	11.90	9,660
1919	04-10-19	---	6,680	1965	04-23-65	10.23	6,520
1920	03-24-20	---	8,230	1966	03-18-66	10.65	7,110
1921	04-28-21	---	8,010	1967	04-02-67	14.50	11,000
1949	07-04-49	---	16,500	1968	05-16-68	8.84	4,840
1950	05-06-50	14.00	11,700	1969	04-10-69	* 11.43	8,240
1951	04-29-51	14.30	12,200	1970	04-10-70	7.98	3,990
1952	04-19-52	13.90	11,500	1971	04-12-71	13.08	10,700
1953	07-01-53	15.50	13,800	1972	07-23-72	12.10	9,250
1954	05-01-54	16.05	14,600	1973	03-15-73	11.20	8,000
1955	04-10-55	10.18	6,770	1974	06-11-74	11.36	8,190
1956	05-14-56	9.29	5,500	1975	04-24-75	10.25	6,550
1957	04-20-57	9.55	5,930	1976	03-30-76	* 12.12	9,910
1958	07-02-58	10.00	6,410	1977	08-31-77	11.35	7,380
1959	06-01-59	7.24	3,480	1978	04-10-78	10.56	7,170
1960	04-24-60	21.7	27,700				

STATION NO. - 04027200

DRAINAGE AREA - 16.9 SQ MI

STATION NAME - PEARL CREEK AT GRANDVIEW, WIS.

GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1960	04-24-60	12.99	278	1970	05-29-70	11.00	120
1961	05-14-61	11.59	165	1971	04-09-71	12.50	240
1962	05-23-62	12.63	250	1972	08-16-72	15.99	540
1963	04-02-63	10.52	85	1973	03-11-73	12.20	210
1964	05-06-64	12.90	270	1974	06-10-74	11.03	120
1965	04-16-65	11.88	190	1975	04-28-75	10.81	105
1966	06-06-66	11.80	180	1976	04-02-76	11.83	180
1967	03-30-67	12.74	260	1977	08-31-77	12.50	235
1968	03-18-68	10.69	100	1978	03-28-78	11.47	155
1969	04-12-69	11.63	170				

* DENOTES ANNUAL PEAK GAGE HEIGHT OCCURRED AT A TIME DIFFERENT THAN THAT OF PEAK DISCHARGE

TABLE 4. ANNUAL PEAK DATA AT GAGING STATIONS -- Continued.

STATION NO. - 04027500

DRAINAGE AREA - 279 SQ MI

STATION NAME - WHITE RIVER NEAR ASHLAND, WIS.

GAGE DATUM - 660.15 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1949	05-05-49	5.53	3,720	1964	05-06-64	5.04	3,200
1950	04-17-50	5.26	3,480	1965	04-12-65	4.80	2,960
1951	07-04-51	5.29	3,480	1966	03-17-66	4.00	2,160
1952	06-24-52	7.10	5,390	1967	03-30-67	6.00	4,210
1953	07-01-53	7.90	6,270	1968	04-21-68	3.00	1,270
1954	05-01-54	5.60	3,800	1969	04-10-69	3.80	1,960
1955	04-01-55	3.80	2,200	1970	05-21-70	3.12	1,370
1956	04-03-56	3.90	2,060	1971	04-11-71	4.90	3,060
1957	03-30-57	2.66	1,010	1972	08-20-72	6.80	5,050
1958	07-01-58	3.2	1,430	1973	03-15-73	3.46	1,650
1959	06-28-59	2.56	940	1974	06-10-74	3.16	1,400
1960	04-24-60	6.40	4,630	1975	04-19-75	2.82	1,400
1961	05-15-61	3.73	1,900	1976	03-30-76	* 4.36	2,750
1962	05-23-62	4.70	2,860	1977	09-04-77	3.77	1,930
1963	03-29-63	4.50	2,660	1978	08-23-78	7.32	5,660

STATION NO. - 04028000

DRAINAGE AREA - 63.0 SQ MI

STATION NAME - MONTREAL RIVER AT IRONWOOD, MICH.

GAGE DATUM - 1,464.13 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1918	06-02-18	3.2	610	1951	06-25-51	4.20	1,110
1919	04-12-19	3.2	610	1952	04-19-52	5.10	1,810
1920	06-30-20	3.9	960	1953	05-21-53	4.16	1,110
1921	04-05-21	3.9	960	1954	05-02-54	4.15	1,080
1922	04-10-22	3.8	910	1960	04-24-60	---	3,400
1925	04-23-25	2.4	255	1962	04-23-62	9.62	1,510
1950	05-06-50	4.7	1,490				

STATION NO. - 04029000

DRAINAGE AREA - 78.0 SQ MI

STATION NAME - WEST BRANCH MONTREAL RIVER AT GILE, WIS.

GAGE DATUM - 1,468.00 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1918	05-28-18	5.65	490	1925	03-27-25	---	# 270
1919	04-12-19	---	# 780	1943	04-22-43	5.7	# 1,030
1920	03-27-20	---	# 850	1944	06-07-44	6.4	# 1,220
1921	04-06-21	---	# 900	1945	06-14-45	5.58	# 1,000
1922	04-10-22	---	# 1,270	1946	06-28-46	---	# 975
1923	04-21-23	---	# 1,550	1947	06-15-47	---	# 553
1924	04-18-24	---	# 990				

STATION NO. - 04029700

DRAINAGE AREA - 5.94 SQ MI

STATION NAME - BOOMER CREEK NEAR SAXON, WIS.

GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1958	08-30-58	12.81	48	1967	07-23-67	12.47	53
1959	09-15-59	12.87	78	1968	03-19-68	14.30	200
1960	04-24-60	16.60	349	1969	04-09-69	15.22	270
1961	04-16-61	13.91	130	1970	04-09-70	13.58	134
1962	05-15-62	13.37	120	1971	04-09-71	14.00	180
1963	04-30-63	11.41	19	1972	08-16-72	14.60	205
1964	05-24-64	15.8	300	1973	11-03-72	13.57	124
1965	05-08-65	13.89	170	1977	09-04-77	11.19	48
1966	06-06-66	12.83	75	1978	04-13-78	12.70	120

DENOTES ANNUAL PEAK DISCHARGE AFFECTED BY KNOWN REGULATION OR DIVERSION

* DENOTES ANNUAL PEAK GAGE HEIGHT OCCURRED AT A TIME DIFFERENT THAN THAT OF PEAK DISCHARGE

TABLE 4. ANNUAL PEAK DATA AT GAGING STATIONS -- Continued.

STATION NO. - 04030000

DRAINAGE AREA - 262 SQ MI

STATION NAME - MONTREAL RIVER NEAR SAXON, WIS.

GAGE DATUM - 760.00 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1939	04-26-39	5.88	4,200	1955	05-02-55	* 5.16	3,100
1940	05-20-40	6.24	4,650	1956	04-11-56	* 5.20	3,160
1941	08-31-41	6.25	4,650	1957	04-20-57	5.03	2,920
1942	07-18-42	6.93	5,700	1958	04-15-58	5.27	3,260
1943	10-03-42	5.54	3,680	1959	04-08-59	4.15	1,700
1944	06-05-44	5.60	3,750	1960	04-24-60	7.50	6,600
1945	03-18-45	4.94	2,800	1961	11-02-60	* 4.74	2,490
1946	06-25-46	6.62	5,250	1962	05-13-62	* 4.11	1,650
1947	04-23-47	* 4.48	2,140	1963	04-03-63	* 5.07	2,970
1948	03-26-48	* 4.82	2,300	1964	04-14-64	6.60	5,250
1949	07-06-49	5.41	3,460	1965	04-23-65	4.89	2,710
1950	05-06-50	5.42	3,460	1966	04-21-66	4.69	2,420
1951	04-29-51	6.53	5,100	1967	03-31-67	6.74	4,920
1952	04-20-52	6.25	4,650	1968	05-16-68	4.18	1,740
1953	06-21-53	6.07	4,500	1969	04-10-69	5.79	4,120
1954	05-01-54	6.10	4,500	1970	04-09-70	4.34	1,930

STATION NO. - 04059900

DRAINAGE AREA - 1.24 SQ MI

STATION NAME - ALLEN CREEK TRIBUTARY NEAR ALVIN, WIS.

GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1960	05-17-60	10.65	10	1970	05-31-70	10.25	6
1961	07-30-61	10.23	6	1971	10-28-70	10.37	7
1962	09-10-62	10.15	5	1972	08-16-72	10.46	8
1963	-----	---	<4	1973	04-16-73	10.51	9
1964	08-01-64	10.0	4	1974	04-13-74	10.32	7
1965	05-08-65	10.51	9	1975	04-18-75	10.51	9
1966	08-07-66	10.32	7	1976	05-16-76	10.20	6
1967	09-15-67	10.45	8	1977	08-31-77	10.75	12
1968	06-30-68	10.44	8	1978	08-23-78	10.51	9
1969	07-15-69	10.50	9				

STATION NO. - 04063000

DRAINAGE AREA - 1,760 SQ MI

STATION NAME - MENOMINEE RIVER NEAR FLORENCE, WIS.

GAGE DATUM - 1,120.00 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1915	05-11-15	---	4,290	1947	04-25-47	---	# 5,320
1916	04-23-16	---	16,700	1948	04-29-48	---	# 4,590
1917	04-22-17	---	8,740	1949	07-08-49	---	# 6,630
1918	06-02-18	---	5,230	1950	05-08-50	11.52	# 14,300
1919	04-13-19	---	7,080	1951	04-13-51	10.46	# 12,100
1920	03-28-20	---	7,920	1952	04-21-52	9.77	# 10,400
1921	04-29-21	---	13,100	1953	07-02-53	13.81	# 18,800
1922	04-11-22	---	9,560	1954	04-28-54	10.92	# 12,900
1923	04-23-23	---	10,000	1955	04-16-55	9.44	# 9,520
1924	05-17-24	---	5,050	1956	07-11-56	7.67	# 6,350
1925	04-25-25	---	3,500	1957	04-22-57	6.33	# 4,240
1926	04-23-26	---	7,280	1958	07-01-58	10.12	# 11,100
1927	03-19-27	---	7,400	1959	09-29-59	8.57	# 7,860
1928	05-06-28	---	10,600	1960	04-26-60	14.15	# 19,500
1929	04-09-29	---	13,500	1961	05-15-61	8.84	# 8,480
1930	05-08-30	---	7,290	1962	04-30-62	6.10	# 4,050
1931	04-23-31	---	2,270	1963	06-03-63	* 5.99	# 3,770
1932	08-31-32	---	5,380	1964	05-26-64	6.90	# 5,100
1933	04-21-33	---	11,200	1965	05-11-65	11.86	# 14,500
1934	05-03-34	---	10,000	1966	06-09-66	7.35	# 5,790
1935	04-28-35	---	5,600	1967	04-20-67	10.36	# 11,600
1936	05-04-36	---	7,770	1968	09-10-68	8.42	# 7,640
1937	04-27-37	---	8,530	1969	04-16-69	7.80	# 6,530
1938	04-01-38	---	11,900	1970	06-02-70	10.23	# 11,300
1939	04-28-39	---	10,600	1971	04-18-71	9.79	# 10,200
1940	05-02-40	---	9,630	1972	05-04-72	9.35	# 9,500
1941	04-15-41	---	# 4,100	1973	05-03-73	9.81	# 10,400
1942	06-07-42	---	# 5,460	1974	04-23-74	6.27	# 4,160
1943	06-18-43	---	# 10,100	1975	04-25-75	8.72	# 8,240
1944	06-07-44	---	# 6,090	1976	04-22-76	9.83	# 10,500
1945	05-24-45	---	# 6,540	1977	04-23-77	6.35	# 4,270
1946	06-26-46	---	# 7,950	1978	09-18-78	6.76	# 4,870

* DENOTES ANNUAL PEAK GAGE HEIGHT OCCURRED AT A TIME DIFFERENT THAN THAT OF PEAK DISCHARGE

DENOTES ANNUAL PEAK DISCHARGE AFFECTED BY KNOWN REGULATION OR DIVERSION

TABLE 4. ANNUAL PEAK DATA AT GAGING STATIONS -- Continued.

STATION NO. - 04063640
DRAINAGE AREA - 27.80 SQ MI

STATION NAME - NORTH BR PINE RIVER AT WINDSOR DAM NR. ALVIN,
GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1967	04-18-67	3.17	112	1974	04-13-74	3.15	110
1970	05-30-70	2.65	75	1975	06-17-75	2.63	72
1971	04-15-71	3.11	107	1976	04-02-76	2.76	84
1972	04-28-72	2.80	85	1977	08-31-77	2.95	96
1973	05-02-73	2.67	75				

STATION NO. - 04063688
DRAINAGE AREA - 9.47 SQ MI

STATION NAME - SOUTH BRANCH POPPLE RIVER NEAR NEWALD, WIS.
GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1970	05-22-70	11.54	40	1975	06-17-75	12.36	59
1971	04-15-71	12.81	71	1976	05-16-76	11.89	48
1972	08-16-72	11.92	48	1977	03-29-77	11.09	31
1973	10-03-72	12.24	56	1978	08-23-78	12.15	54
1974	09-10-74	11.31	35				

STATION NO. - 04063700
DRAINAGE AREA - 131 SQ MI

STATION NAME - POPPLE RIVER NEAR FENCE, WIS.
GAGE DATUM - 1,406.16 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1964	08-03-64	2.69	433	1972	05-02-72	4.21	1,310
1965	05-10-65	4.17	1,340	1973	03-18-73	3.38	700
1966	04-22-66	2.93	522	1974	04-18-74	---	600
1967	04-12-67	3.67	862	1975	04-25-75	3.79	1,020
1968	09-11-68	3.23	664	1976	04-22-76	3.41	786
1969	04-16-69	3.47	772	1977	04-20-77	2.87	487
1970	06-03-70	2.89	476	1978	09-16-78	2.80	455
1971	04-20-71	3.59	825				

STATION NO. - 04063800
DRAINAGE AREA - 41.4 SQ MI

STATION NAME - WOODS CREEK NEAR FENCE, WIS.
GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1958	07-02-58	9.95	130	1969	04-10-69	10.68	130
1959	09-27-59	10.52	170	1970	05-31-70	10.59	125
1960	05-08-60	11.65	275	1971	09-30-71	11.28	190
1961	04-16-61	11.86	295	1972	05-01-72	11.90	305
1962	05-13-62	10.35	155	1973	05-02-73	11.25	190
1963	03-25-63	10.45	160	1974	04-24-74	10.42	160
1964	08-01-64	10.0	130	1975	04-24-75	11.57	258
1965	05-07-65	15.80	853	1976	05-16-76	11.17	185
1966	04-17-66	11.62	170	1977	04-13-77	11.11	180
1967	03-30-67	11.83	190	1978	08-23-78	10.49	130
1968	09-09-68	11.22	160				

TABLE 4. ANNUAL PEAK DATA AT GAGING STATIONS -- Continued.

STATION NO. - 04064500
DRAINAGE AREA - 533 SQ MI

STATION NAME - PINE R BELOW PINE R PWRPLANT NR FLORENCE, WIS
GAGE DATUM - 1,098.84 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1924	05-11-24	---	1,870	1950	05-09-50	---	2,900
1925	06-05-25	---	1,320	1951	04-13-51	---	3,440
1926	05-03-26	---	1,840	1952	04-21-52	---	2,440
1927	03-18-27	---	1,740	1953	07-02-53	---	2,090
1928	05-05-28	---	2,730	1954	04-28-54	---	2,420
1929	04-09-29	---	4,380	1955	04-14-55	---	2,340
1930	04-19-30	---	1,220	1956	07-09-56	---	1,340
1931	09-28-31	---	819	1957	04-21-57	---	1,440
1932	05-11-32	---	1,380	1958	07-05-58	---	1,600
1933	05-19-33	---	2,070	1959	09-30-59	---	1,760
1934	05-03-34	---	1,600	1960	05-07-60	---	3,220
1935	06-21-35	---	1,490	1961	05-16-61	---	1,720
1936	05-08-36	---	1,960	1962	04-28-62	---	1,730
1937	04-27-37	---	2,110	1963	05-11-63	---	1,300
1938	03-31-38	---	2,590	1964	05-01-64	---	1,280
1939	04-26-39	---	2,380	1965	05-08-65	---	4,300
1940	05-22-40	---	1,910	1966	04-21-66	---	1,580
1941	09-01-41	---	2,160	1967	04-18-67	---	2,800
1942	07-18-42	---	3,230	1968	07-01-68	---	2,220
1943	06-18-43	---	2,410	1969	04-15-69	6.40	2,290
1944	05-15-44	---	1,460	1970	06-02-70	6.04	2,020
1945	03-28-45	---	1,680	1971	04-19-71	7.13	2,780
1946	06-27-46	---	1,830	1972	05-02-72	8.46	4,000
1947	05-03-47	---	1,440	1973	05-08-73	* 6.45	2,300
1948	04-28-48	---	866	1974	04-22-74	* 5.12	1,490
1949	07-07-49	---	1,460	1975	04-23-75	7.71	3,250

STATION NO. - 04064800
DRAINAGE AREA - 35.0 SQ MI

STATION NAME - LITTLE POPPLE RIVER NEAR AURORA, WIS.
GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1970	05-31-70	15.50	760	1975	04-23-75	14.13	590
1971	04-12-71	12.90	364	1976	05-16-76	14.12	580
1972	04-25-72	13.15	395	1977	04-13-77	11.79	190
1973	03-15-73	13.62	475	1978	08-23-78	11.76	185
1974	09-10-74	12.01	220				

STATION NO. - 04066000
DRAINAGE AREA - 3,110 SQ MI

STATION NAME - MENOMINEE RIVER NEAR PEMBINE, WIS.
GAGE DATUM - 770.00 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1950	05-10-50	11.60	20,500	1965	05-11-65	12.10	21,500
1951	04-14-51	11.84	21,100	1966	04-23-66	7.49	9,480
1952	04-22-52	* 10.50	17,100	1967	04-20-67	10.52	16,900
1953	07-03-53	13.06	25,500	1968	09-11-68	* 8.84	12,400
1954	04-29-54	11.36	19,800	1969	04-16-69	* 8.60	11,900
1955	04-17-55	9.82	15,100	1970	06-02-70	10.66	17,200
1956	07-12-56	6.68	7,840	1971	04-19-71	10.20	15,800
1957	04-23-57	* 7.23	9,100	1972	05-01-72	---	18,000
1958	07-02-58	* 9.15	13,200	1973	05-10-73	---	16,000
1959	09-30-59	* 7.63	9,720	1974	04-23-74	12.30	8,640
1960	05-08-60	13.90	26,900	1975	04-25-75	15.30	17,200
1961	05-16-61	* 8.76	12,200	1976	04-23-76	14.75	15,700
1962	05-01-62	* 6.83	8,160	1977	04-22-77	11.36	7,720
1963	05-13-63	* 5.80	6,370	1978	08-29-78	11.32	7,620
1964	05-26-64	7.02	8,340				

* DENOTES ANNUAL PEAK GAGE HEIGHT OCCURRED AT A TIME DIFFERENT THAN THAT OF PEAK DISCHARGE

TABLE 4. ANNUAL PEAK DATA AT GAGING STATIONS -- Continued.

STATION NO. - 04066300
DRAINAGE AREA - 3.2 SQ MI

STATION NAME - COLE CREEK NEAR DUNBAR, WIS.
GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1960	05-07-60	11.60	56	1970	05-31-70	11.00	35
1961	04-16-61	10.60	21	1971	09-30-71	10.50	20
1962	05-13-62	10.64	22	1972	04-25-72	10.45	18
1963	03-25-63	10.68	24	1973	03-15-73	10.63	24
1964	04-29-64	10.31	14	1974	09-10-74	10.50	20
1965	05-07-65	10.69	24	1975	04-24-75	10.54	21
1966	04-20-66	10.20	12	1976	05-16-76	10.40	17
1967	03-30-67	10.80	27	1977	09-19-77	10.30	15
1968	06-12-68	10.10	10	1978	11-03-77	10.30	15
1969	04-10-69	10.60	24				

STATION NO. - 04066500
DRAINAGE AREA - 255 SQ MI

STATION NAME - PIKE RIVER AT AMBERG, WIS.
GAGE DATUM - 865.00 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1914	07-14-14	---	1,220	1943	04-10-43	4.1	837
1915	04-11-15	---	778	1944	04-25-44	3.7	691
1916	06-03-16	---	1,200	1945	03-20-45	4.6	1,060
1917	06-08-17	---	1,160	1946	03-17-46	4.1	837
1918	05-28-18	---	862	1947	04-07-47	4.79	1,160
1919	04-12-19	---	1,040	1948	03-26-48	* 3.51	619
1920	03-27-20	---	1,450	1949	07-05-49	4.10	800
1921	03-21-21	---	1,750	1950	04-19-50	5.51	1,450
1922	04-10-22	---	2,800	1951	04-09-51	6.50	1,980
1923	04-21-23	---	1,950	1952	07-22-52	4.77	1,080
1924	05-11-24	---	1,250	1953	03-25-53	* 4.25	860
1925	04-24-25	---	582	1954	04-28-54	4.85	1,120
1926	04-23-26	---	778	1955	04-15-55	4.23	852
1927	03-18-27	---	1,040	1956	08-05-56	4.24	856
1928	04-05-28	---	947	1957	04-21-57	4.75	1,080
1929	04-08-29	---	1,250	1958	07-06-58	4.27	788
1930	04-19-30	---	582	1959	09-23-59	3.73	664
1931	05-11-31	---	376	1960	05-07-60	7.00	2,290
1932	04-10-32	---	1,410	1961	05-09-61	3.83	687
1933	06-07-33	---	1,480	1962	05-15-62	5.06	1,230
1934	04-10-34	---	1,160	1963	05-11-63	3.53	598
1935	03-25-35	4.2	920	1964	04-30-64	3.88	716
1936	04-15-36	3.9	785	1965	05-18-65	5.08	1,240
1937	04-26-37	4.3	970	1966	03-19-66	3.80	676
1938	03-31-38	5.8	1,600	1967	04-03-67	4.95	1,140
1939	06-13-39	5.7	1,730	1968	06-28-68	4.22	851
1940	05-21-40	3.9	763	1969	06-28-69	4.69	1,070
1941	09-01-41	4.5	1,010	1970	06-02-70	5.68	1,530
1942	04-06-42	4.2	875				

STATION NO. - 04066700
DRAINAGE AREA - 1.48 SQ MI

STATION NAME - MCCALL CREEK AT WAUSAUKEE, WIS.
GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1959	09-22-59	11.51	24	1969	06-26-69	12.32	39
1960	04-13-60	11.93	32	1970	05-21-70	10.60	6
1961	04-21-61	11.61	25	1971	09-30-71	10.70	8
1962	05-13-62	10.61	6	1972	08-08-72	11.10	16
1963	05-10-63	10.20	1	1973	03-13-73	11.85	30
1964	04-29-64	11.74	28	1974	10-11-73	10.96	13
1965	05-08-65	10.40	3	1975	04-22-75	10.80	10
1966	07-03-66	10.47	4	1976	04-02-76	11.99	33
1967	03-30-67	12.38	30	1977	04-13-77	11.38	21
1968	10-25-67	10.80	10	1978	04-07-78	10.30	2

* DENOTES ANNUAL PEAK GAGE HEIGHT OCCURRED AT A TIME DIFFERENT THAN THAT OF PEAK DISCHARGE

TABLE 4. ANNUAL PEAK DATA AT GAGING STATIONS -- Continued.

STATION NO. - 04067000
DRAINAGE AREA - 3,730 SQ MI

STATION NAME - MENOMINEE RIVER BELOW KOSS, MICH.
GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1908	05-01-08	---	14,600	1946	03-19-46	---	10,900
1914	05-03-14	---	20,800	1947	05-04-47	---	8,870
1915	04-13-15	---	8,650	1948	03-30-48	---	6,720
1916	04-23-16	---	23,200	1949	07-10-49	---	8,420
1917	04-24-17	---	13,800	1950	05-11-50	---	16,900
1918	05-30-18	---	15,000	1951	04-15-51	---	19,000
1919	04-14-19	---	14,100	1952	04-21-52	---	14,700
1920	03-29-20	---	21,800	1953	07-05-53	---	19,300
1921	04-30-21	---	20,300	1954	04-30-54	---	16,700
1922	04-12-22	---	20,500	1955	04-18-55	---	14,800
1923	04-23-23	---	18,700	1956	04-10-56	---	7,360
1924	05-11-24	---	11,800	1957	04-24-57	---	8,370
1925	04-29-25	---	4,310	1958	07-03-58	---	10,700
1926	04-27-26	---	10,900	1959	09-30-59	---	9,650
1927	03-20-27	---	13,500	1960	05-10-60	---	33,000
1928	05-08-28	---	16,900	1961	05-17-61	---	11,400
1929	04-11-29	---	19,700	1962	05-02-62	---	9,370
1930	04-21-30	---	9,380	1963	05-14-63	---	7,120
1931	04-25-31	---	4,060	1964	05-28-64	---	5,640
1932	04-12-32	---	11,100	1965	05-12-65	---	26,600
1933	04-23-33	---	14,700	1966	03-24-66	---	8,400
1934	04-11-34	---	13,400	1967	04-21-67	---	16,900
1935	03-28-35	---	13,600	1968	09-12-68	---	12,600
1936	05-09-36	---	13,000	1969	04-17-69	---	14,600
1937	04-29-37	---	13,800	1970	06-03-70	---	20,000
1938	04-02-38	---	20,700	1971	04-20-71	---	17,000
1939	05-30-39	---	16,900	1972	05-03-72	---	18,700
1940	05-24-40	---	13,700	1973	05-11-73	---	17,600
1941	09-02-41	---	9,180	1974	04-15-74	---	7,800
1942	04-19-42	---	10,800	1975	04-27-75	---	16,500
1943	06-20-43	---	18,900	1976	04-24-76	---	15,800
1944	05-16-44	---	8,380	1977	04-23-77	---	# 7,870
1945	03-23-45	---	10,800	1978	09-16-78	---	# 8,950

STATION NO. - 04067500
DRAINAGE AREA - 3,930 SQ MI

STATION NAME - MENOMINEE RIVER NEAR MCALLISTER, WIS.
GAGE DATUM - 630.00 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1945	06-04-45	13.82	11,700	1961	05-18-61	14.0	13,300
1946	06-28-46	14.33	12,800	1962	05-13-62	13.91	13,000
1947	04-07-47	13.71	11,400	1963	05-14-63	---	8,700
1948	04-29-48	12.66	9,240	1964	05-28-64	---	6,900
1949	07-08-49	13.42	10,800	1965	05-12-65	18.27	27,000
1950	05-11-50	16.70	21,600	1966	04-23-66	13.73	12,400
1951	04-15-51	17.83	25,700	1967	04-21-67	16.92	22,500
1952	04-23-52	15.98	19,300	1969	04-17-69	15.11	16,500
1953	07-05-53	17.43	24,200	1970	06-03-70	17.16	23,300
1954	04-30-54	16.77	21,900	1971	04-19-71	16.63	21,500
1955	04-18-55	15.24	16,700	1972	05-03-72	17.27	23,600
1956	04-10-56	13.35	10,800	1973	05-11-73	16.65	21,600
1957	04-24-57	13.39	11,000	1974	04-15-74	13.96	13,000
1958	07-04-58	13.84	12,300	1975	04-26-75	16.82	22,200
1959	09-27-59	13.68	11,800	1976	04-02-76	15.60	18,000
1960	05-09-60	20.0	32,500	1978	09-16-78	13.64	12,200

STATION NO. - 04067760
DRAINAGE AREA - 150 SQ MI

STATION NAME - PESHTIGO RIVER NEAR CAVOUR, WIS.
GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1970	06-03-70	12.63	710	1975	04-25-75	14.72	1,330
1971	04-13-71	14.29	1,150	1976	04-02-76	13.48	950
1972	04-28-72	14.28	1,140	1977	04-13-77	11.80	520
1973	03-16-73	14.35	1,160	1978	08-16-78	12.76	750
1974	08-03-74	12.15	600				

DENOTES ANNUAL PEAK DISCHARGE AFFECTED BY KNOWN REGULATION OR DIVERSION

TABLE 4. ANNUAL PEAK DATA AT GAGING STATIONS -- Continued.

STATION NO. - 04067800
DRAINAGE AREA - 23.1 SQ MI

STATION NAME - ARMSTRONG CREEK NEAR ARMSTRONG CREEK, WIS.
GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1958	09-00-58	10.04	90	1969	04-15-69	10.03	90
1959	09-29-59	9.52	53	1970	-----	---	<70
1960	05-07-60	11.05	215	1971	05-19-71	10.20	104
1961	05-08-61	9.80	72	1972	04-29-72	10.56	145
1962	05-13-62	10.18	100	1973	05-02-73	10.39	125
1963	03-25-63	10.04	90	1974	04-12-74	9.92	81
1964	04-29-64	10.01	88	1975	04-25-75	11.28	260
1965	06-28-65	10.16	99	1976	05-16-76	10.41	126
1966	-----	---	<70	1977	04-13-77	10.00	86
1967	03-30-67	10.20	102	1978	08-16-78	10.00	86
1968	09-05-68	10.13	98				

STATION NO. - 04068000
DRAINAGE AREA - 537 SQ MI

STATION NAME - PESHTIGO R AT HIGH FALLS, NR CRIVITZ, WIS.
GAGE DATUM - 810.00 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1913	04-21-13	---	2,480	1935	04-01-35	---	1,410
1914	05-02-14	---	2,070	1936	05-09-36	---	1,550
1915	04-12-15	---	1,310	1937	04-26-37	---	2,500
1916	06-05-16	---	2,850	1938	03-31-38	---	3,430
1917	06-09-17	---	2,590	1939	05-29-39	---	2,520
1918	05-31-18	---	2,140	1940	06-11-40	---	1,760
1919	04-12-19	---	2,290	1941	04-17-41	---	2,030
1920	04-03-20	---	1,830	1942	04-06-42	---	2,060
1921	04-29-21	---	3,430	1943	06-20-43	---	2,160
1922	04-11-22	---	3,670	1944	05-16-44	---	1,720
1923	04-26-23	---	2,330	1945	03-24-45	---	2,190
1924	05-15-24	---	2,430	1946	03-20-46	---	2,280
1925	04-28-25	---	1,200	1947	04-12-47	---	1,690
1926	04-27-26	---	1,980	1948	03-27-48	---	1,550
1927	03-21-27	---	1,790	1949	07-08-49	---	1,820
1928	09-15-28	---	2,510	1950	05-08-50	---	2,850
1929	04-09-29	---	3,380	1951	04-14-51	---	3,280
1930	08-20-30	---	1,440	1952	04-23-52	---	2,120
1931	11-20-30	---	905	1953	03-28-53	---	1,610
1932	04-12-32	---	1,270	1954	04-30-54	---	1,610
1933	04-21-33	---	1,470	1955	04-22-55	---	1,720
1934	04-16-34	---	1,320	1956	04-08-56	---	1,470

STATION NO. - 04069500
DRAINAGE AREA - 1,120 SQ MI

STATION NAME - PESHTIGO RIVER AT PESHTIGO, WIS.
GAGE DATUM - 584.64 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1954	05-03-54	7.78	4,380	1967	04-01-67	10.55	7,280
1955	04-01-55	6.73	3,360	1968	06-28-68	8.81	4,860
1956	04-08-56	7.32	3,920	1969	06-28-69	10.37	6,880
1957	04-20-57	7.07	3,680	1970	06-03-70	9.60	6,720
1958	04-08-58	6.66	3,290	1971	04-11-71	9.14	5,690
1959	09-24-59	7.90	4,400	1972	05-03-72	9.52	5,920
1960	05-09-60	11.59	9,790	1973	05-30-73	10.79	7,550
1961	03-29-61	7.50	3,750	1974	04-14-74	7.46	3,960
1962	04-09-62	8.00	4,020	1975	04-20-75	8.73	5,130
1963	04-03-63	6.87	3,140	1976	03-27-76	9.92	6,380
1964	05-07-64	7.08	3,240	1977	03-14-77	6.40	3,110
1965	04-13-65	10.04	6,440	1978	04-12-78	6.55	3,230
1966	10-03-65	7.48	3,470				

TABLE 4. ANNUAL PEAK DATA AT GAGING STATIONS -- Continued.

STATION NO. - 04069700
DRAINAGE AREA - 34.1 SQ MI

STATION NAME - NORTH BRANCH OCONTO RIVER NEAR WABENO, WIS.
GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1970	05-22-70	11.15	70	1975	04-23-75	12.52	238
1971	04-12-71	12.61	210	1976	04-02-76	11.70	118
1972	04-29-72	12.02	150	1977	04-13-77	10.85	56
1973	03-15-73	12.61	228	1978	07-22-78	10.90	63
1974	04-12-74	11.47	97				

STATION NO. - 04071000
DRAINAGE AREA - 678 SQ MI

STATION NAME - OCONTO RIVER NEAR GILLET, WIS.
GAGE DATUM - 732.87 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1907	05-26-07	---	2,570	1945	03-20-45	* 5.00	2,300
1908	05-01-08	---	2,700	1946	03-17-46	6.80	4,420
1912	03-31-12	---	4,100	1947	04-08-47	3.30	1,660
1914	05-01-14	3.9	2,090	1948	03-25-48	4.95	2,980
1915	04-14-15	3.5	1,790	1949	03-29-49	* 2.58	1,150
1916	04-25-16	* 5.4	3,310	1950	04-21-50	* 3.87	2,060
1917	04-02-17	5.9	3,000	1951	04-14-51	* 6.02	4,050
1918	05-30-18	* 4.1	2,550	1952	04-02-52	9.95	4,000
1919	04-13-19	* 4.3	2,390	1953	03-23-53	* 7.75	5,630
1920	03-28-20	5.4	3,310	1954	05-01-54	3.11	1,520
1921	04-29-21	4.9	2,970	1955	04-15-55	* 3.18	1,570
1922	04-10-22	11.2	8,400	1956	04-08-56	8.73	3,000
1923	04-22-23	6.2	4,010	1957	04-23-57	3.05	1,480
1924	04-19-24	5.6	3,440	1958	04-10-58	* 3.08	1,500
1925	06-24-25	3.3	1,640	1959	04-07-59	* 5.31	3,400
1926	04-15-26	4.3	2,400	1960	05-10-60	6.37	4,340
1927	03-16-27	4.3	2,400	1961	03-30-61	7.69	3,000
1928	03-25-28	5.7	3,520	1962	04-11-62	3.75	2,030
1929	04-09-29	6.9	4,490	1963	03-30-63	* 3.40	1,750
1930	04-18-30	2.3	975	1964	05-12-64	3.51	1,840
1931	10-09-30	1.9	761	1965	04-13-65	8.37	4,200
1932	04-10-32	3.8	1,870	1966	06-08-66	3.63	1,880
1933	04-01-33	3.4	1,600	1967	03-31-67	* 5.83	3,580
1934	04-05-34	7.0	3,000	1968	06-30-68	4.79	2,750
1935	03-22-35	7.2	3,400	1969	06-29-69	5.72	3,300
1936	03-29-36	4.0	2,100	1970	06-04-70	4.14	2,170
1937	10-22-36	5.0	3,180	1971	04-09-71	7.20	3,900
1938	04-02-38	4.9	3,090	1972	04-23-72	* 5.44	3,100
1939	03-28-39	* 7.8	4,200	1973	03-10-73	9.08	4,900
1940	06-10-40	* 3.17	1,540	1974	04-15-74	* 4.08	2,150
1941	04-18-41	* 3.64	1,900	1975	04-26-75	4.43	2,390
1942	04-06-42	* 4.16	2,340	1976	04-01-76	* 5.02	2,820
1943	04-01-43	* 6.30	4,020	1977	03-14-77	---	1,600
1944	06-18-44	2.65	1,200	1978	04-12-78	3.70	1,950

* DENOTES ANNUAL PEAK GAGE HEIGHT OCCURRED AT A TIME DIFFERENT THAN THAT OF PEAK DISCHARGE

TABLE 4. ANNUAL PEAK DATA AT GAGING STATIONS -- Continued.

STATION NO. - 04071700
DRAINAGE AREA - 23.3 SQ MI

STATION NAME - NORTH BRANCH LITTLE RIVER NEAR COLEMAN, WIS.
GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1958	04-06-58	12.49	195	1969	06-26-69	13.15	310
1959	04-00-59	12.90	250	1970	06-08-70	13.05	300
1960	05-07-60	13.72	405	1971	04-12-71	12.61	210
1961	04-16-61	12.76	230	1972	04-16-72	13.56	390
1962	06-17-62	12.19	160	1973	05-28-73	14.12	510
1963	03-25-63	12.73	229	1974	04-13-74	12.25	170
1964	04-30-64	11.78	120	1975	04-20-75	13.40	330
1965	05-15-65	* 12.70	225	1976	03-30-76	14.12	520
1966	06-04-66	11.22	75	1977	04-13-77	11.48	94
1967	03-30-67	14.50	640	1978	04-10-78	12.59	210
1968	06-27-68	12.33	180				

STATION NO. - 04071800
DRAINAGE AREA - 41.8 SQ MI

STATION NAME - PENSAAKEE RIVER NEAR PULASKI, WIS.
GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1961	03-27-61	12.98	490	1970	05-31-70	13.56	610
1962	04-05-62	13.04	500	1971	04-14-71	15.92	1,330
1963	03-24-63	14.26	785	1972	04-22-72	13.59	620
1964	05-09-64	11.70	290	1973	05-28-73	17.10	1,700
1965	04-11-65	15.29	1,100	1974	03-05-74	12.70	440
1966	03-23-66	13.15	520	1975	09-10-75	13.90	690
1967	03-29-67	17.00	1,600	1976	03-30-76	16.45	1,540
1968	06-26-68	13.48	595	1977	-----	---	<190
1969	06-26-69	15.05	1,020	1978	04-07-78	14.45	840

STATION NO. - 04073400
DRAINAGE AREA - 3.59 SQ MI

STATION NAME - BIRD CREEK AT WAUTOMA, WIS.
GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1959	05-20-59	12.14	105	1969	06-26-69	12.36	120
1960	12-28-59	12.25	110	1970	05-22-70	10.84	40
1961	08-10-61	12.57	140	1971	05-18-71	12.12	100
1962	03-29-62	11.19	52	1972	09-28-72	11.32	57
1963	03-24-63	11.20	53	1973	03-07-73	13.07	190
1964	09-03-64	11.28	50	1974	03-03-74	12.31	115
1965	03-02-65	12.47	130	1975	04-28-75	11.68	75
1966	02-08-66	11.78	75	1976	03-19-76	11.09	48
1967	06-15-67	11.54	66	1977	03-29-77	11.03	46
1968	06-26-68	11.66	75	1978	09-12-78	11.47	68

* DENOTES ANNUAL PEAK GAGE HEIGHT OCCURRED AT A TIME DIFFERENT THAN THAT OF PEAK DISCHARGE

TABLE 4. ANNUAL PEAK DATA AT GAGING STATIONS -- Continued.

STATION NO. - 04073500
DRAINAGE AREA - 1,430 SQ MI

STATION NAME - FOX RIVER AT BERLIN, WIS.
GAGE DATUM - 744.52 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1898	03-16-98	---	2,730	1939	03-26-39	---	4,910
1899	04-09-99	---	2,800	1940	06-28-40	---	4,720
1900	04-02-00	---	2,830	1941	04-04-41	---	3,540
1901	03-29-01	---	4,800	1942	03-20-42	11.8	2,740
1902	05-25-02	---	2,450	1943	03-31-43	14.7	5,080
1903	03-24-03	---	2,670	1944	04-28-44	11.1	2,290
1904	03-27-04	---	5,400	1945	03-18-45	12.8	3,460
1905	06-10-05	---	5,920	1946	03-17-46	15.50	6,900
1906	03-30-06	---	4,450	1947	04-12-47	12.2	3,160
1907	03-29-07	---	2,520	1948	03-22-48	13.7	4,540
1908	03-14-08	---	4,020	1949	04-04-49	11.6	2,600
1909	05-04-09	---	2,910	1950	03-28-50	13.85	4,780
1910	03-17-10	---	3,080	1951	04-10-51	13.1	4,020
1911	02-26-11	---	2,600	1952	04-05-52	14.1	4,900
1912	03-31-12	---	4,100	1953	03-20-53	13.4	4,100
1913	03-31-13	---	4,340	1954	05-05-54	10.4	1,870
1914	06-11-14	---	2,750	1955	10-11-54	12.20	3,020
1915	03-18-15	---	3,000	1956	04-04-56	13.47	4,000
1916	03-28-16	---	6,400	1957	06-18-57	10.24	1,690
1917	03-27-17	---	5,650	1958	04-10-58	* 9.31	1,380
1918	03-22-18	---	6,050	1959	04-12-59	13.06	3,670
1919	03-20-19	---	2,670	1960	05-10-60	13.60	4,100
1920	03-29-20	---	5,150	1961	04-01-61	* 11.19	2,210
1921	05-01-21	---	2,450	1962	03-30-62	14.21	5,160
1922	03-16-22	---	5,920	1963	03-28-63	12.88	3,480
1923	04-12-23	---	6,050	1964	05-09-64	9.63	1,430
1924	04-09-24	---	4,020	1965	09-30-65	* 11.95	2,760
1925	03-23-25	---	2,520	1966	03-08-66	* 12.47	3,140
1926	04-01-26	---	3,440	1967	03-28-67	12.27	2,990
1927	03-12-27	---	3,170	1968	07-04-68	10.74	1,970
1928	03-23-28	---	5,920	1969	03-27-69	12.16	2,910
1929	03-21-29	---	6,620	1970	03-22-70	10.96	1,700
1930	03-05-30	---	3,000	1971	03-24-71	13.73	2,400
1931	04-05-31	---	1,140	1972	04-01-72	12.83	3,440
1932	01-23-32	---	1,910	1973	03-15-73	15.59	6,010
1933	04-11-33	---	2,600	1974	04-17-74	* 12.30	3,010
1934	04-06-34	---	1,910	1975	03-29-75	* ---	4,200
1935	03-21-35	---	4,340	1976	04-01-76	12.83	3,420
1936	03-27-36	---	4,340	1977	04-10-77	10.42	1,870
1937	03-20-37	---	3,260	1978	04-11-78	12.10	2,870
1938	09-22-38	---	6,190				

STATION NO. - 04074300
DRAINAGE AREA - 10.0 SQ MI

STATION NAME - MUD CREEK NEAR NASHVILLE, WIS.
GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1970	05-22-70	11.06	24	1975	04-29-75	13.25	96
1971	05-24-71	12.76	72	1976	05-16-76	12.93	83
1972	04-26-72	12.57	65	1977	08-31-77	11.90	44
1973	03-11-73	12.76	72	1978	08-15-78	12.28	56
1974	04-13-74	11.69	39				

* DENOTES ANNUAL PEAK GAGE HEIGHT OCCURRED AT A TIME DIFFERENT THAN THAT OF PEAK DISCHARGE

TABLE 4. ANNUAL PEAK DATA AT GAGING STATIONS -- Continued.

STATION NO. - 04074700

DRAINAGE AREA - 9.0 SQ MI

STATION NAME - HUNTING RIVER NEAR ELCHO, WIS.

GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1958	07-02-58	11.58	50	1969	06-26-69	11.88	77
1959	09-28-59	12.98	200	1970	05-22-70	11.26	47
1960	05-08-60	12.41	120	1971	05-24-71	11.79	70
1961	03-28-61	11.94	80	1972	09-26-72	11.80	72
1962	05-13-62	12.30	110	1973	09-02-73	12.23	105
1963	03-24-63	11.56	57	1974	04-12-74	11.68	63
1964	04-22-64	11.44	50	1975	04-23-75	12.72	160
1965	09-27-65	11.73	66	1976	05-16-76	11.92	80
1966	04-19-66	11.84	74	1977	03-14-77	11.54	57
1967	06-28-67	11.91	78	1978	07-22-78	12.66	153
1968	09-10-68	12.20	100				

STATION NO. - 04074850

DRAINAGE AREA - 52.4 SQ MI

STATION NAME - LILY RIVER NEAR LILY, WIS.

GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1970	04-20-70	9.80	40	1974	04-12-74	10.69	114
1971	04-11-71	10.41	81	1975	10-29-74	11.00	158
1972	09-26-72	10.76	121	1976	04-02-76	10.68	112
1973	03-11-73	10.90	142	1978	08-15-78	9.57	30

STATION NO. - 04075200

DRAINAGE AREA - 8.0 SQ MI

STATION NAME - EVERGREEN CREEK NEAR LANGLADE, WIS.

GAGE DATUM - 1,320.00 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1959	09-27-59	10.79	42	1969	06-27-69	11.09	54
1960	08-07-60	11.27	63	1970	06-01-70	11.02	51
1961	03-27-61	11.35	66	1971	10-28-70	10.70	39
1962	05-13-62	10.30	25	1972	08-08-72	10.42	31
1963	09-12-63	10.50	32	1973	03-07-73	10.79	46
1964	05-08-64	10.53	33	1974	04-12-74	10.58	35
1965	04-11-65	11.62	78	1975	04-23-75	10.80	43
1966	12-12-65	10.96	50	1976	03-31-76	10.87	46
1967	06-28-67	10.60	36	1977	09-24-77	10.45	31
1968	09-09-68	10.56	35	1978	05-03-78	11.12	56

STATION NO. - 04075500

DRAINAGE AREA - 633 SQ MI

STATION NAME - WOLF RIVER ABOVE WEST BRANCH WOLF RIVER, WIS.

GAGE DATUM - 856.57 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1928	03-29-28	4.67	1,740	1946	03-19-46	5.7	2,330
1929	04-08-29	6.2	2,640	1947	04-07-47	4.4	1,540
1930	04-19-30	3.8	1,240	1948	03-27-48	4.3	1,480
1931	06-14-31	4.00	1,350	1949	07-05-49	4.3	1,480
1932	04-10-32	4.44	1,570	1950	04-26-50	4.7	1,710
1933	05-02-33	3.90	1,290	1951	04-13-51	5.75	2,440
1934	04-10-34	4.6	1,680	1952	04-20-52	4.43	1,590
1935	03-25-35	6.1	1,960	1953	03-24-53	5.90	2,540
1936	05-07-36	4.52	1,620	1954	04-28-54	4.40	1,580
1937	05-01-37	5.07	1,960	1955	04-15-55	4.18	1,450
1938	03-31-38	5.56	2,260	1956	04-07-56	4.60	1,680
1939	03-31-39	5.4	2,140	1957	04-21-57	4.35	1,520
1940	06-09-40	4.44	1,540	1958	07-06-58	3.97	1,300
1941	04-16-41	5.8	2,390	1959	09-30-59	4.74	1,760
1942	04-06-42	4.57	1,660	1960	05-08-60	6.60	3,120
1943	06-19-43	4.90	1,830	1961	03-30-61	---	1,400
1944	05-13-44	4.6	1,660	1962	05-15-62	5.00	2,000
1945	03-23-45	4.9	1,830				

TABLE 4. ANNUAL PEAK DATA AT GAGING STATIONS -- Continued.

STATION NO. - 04077000
DRAINAGE AREA - 812 SQ MI

STATION NAME - WOLF RIVER AT KESHENA FALLS, WIS.
GAGE DATUM - 820.00 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1908	04-28-08	---	3,520	1945	03-24-45	7.66	2,420
1912	09-02-12	---	4,070	1946	03-18-46	7.67	2,420
1913	04-06-13	---	2,400	1947	04-06-47	7.43	2,200
1914	04-30-14	---	2,060	1948	03-27-48	7.23	1,990
1915	06-19-15	---	1,720	1949	07-06-49	7.23	1,990
1916	04-21-16	---	3,370	1950	05-06-50	* 7.56	2,300
1917	06-08-17	---	2,260	1951	04-13-51	8.76	3,590
1918	05-28-18	---	2,620	1952	04-20-52	7.46	2,080
1919	04-15-19	---	2,470	1953	03-24-53	7.84	2,500
1920	04-02-20	---	2,550	1954	04-29-54	7.26	1,890
1921	04-29-21	---	3,760	1955	04-07-55	7.29	1,920
1922	04-10-22	---	4,390	1956	04-10-56	7.09	1,730
1923	04-21-23	---	3,260	1957	04-21-57	7.44	2,070
1924	05-15-24	---	3,320	1958	04-06-58	* 6.94	1,600
1925	06-14-25	---	1,510	1959	09-30-59	7.26	1,990
1926	04-25-26	---	2,850	1960	05-07-60	9.67	4,830
1927	03-18-27	---	2,210	1961	03-29-61	8.17	2,100
1928	09-15-28	8.15	2,940	1962	05-15-62	7.50	2,250
1929	04-08-29	---	4,100	1963	04-01-63	* 6.87	1,620
1930	04-19-30	---	1,620	1964	05-09-64	7.21	1,950
1931	06-15-31	6.90	1,530	1965	05-17-65	8.50	3,400
1932	04-09-32	7.45	2,110	1966	06-06-66	* 7.04	1,780
1933	05-02-33	7.04	1,710	1967	04-17-67	8.35	3,220
1934	04-10-34	7.02	2,120	1968	06-28-68	7.51	2,260
1935	03-28-35	7.48	2,160	1969	06-28-69	8.82	3,780
1936	05-08-36	7.65	2,320	1970	06-02-70	7.47	2,220
1937	05-02-37	8.25	2,940	1971	04-18-71	7.80	2,580
1938	03-31-38	8.60	3,330	1972	04-22-72	* 7.88	2,780
1939	05-29-39	7.73	2,640	1973	03-15-73	13.86	5,200
1940	06-09-40	7.50	2,250	1974	04-13-74	* 7.54	2,360
1941	09-01-41	8.50	3,400	1975	04-25-75	* 7.92	2,710
1942	11-02-41	7.51	2,250	1976	04-01-76	* 11.41	4,500
1943	06-01-43	8.11	2,920	1977	03-31-77	* 7.22	1,960
1944	05-14-44	7.12	1,840	1978	09-14-78	* 7.19	1,930

STATION NO. - 04078500
DRAINAGE AREA - 395 SQ MI

STATION NAME - EMBARRASS RIVER NEAR EMBARRASS, WIS.
GAGE DATUM - 803.95 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1920	03-27-20	7.7	2,800	1950	04-12-50	* 5.64	1,490
1921	03-21-21	8.4	3,600	1951	04-09-51	7.80	3,070
1922	04-10-22	11.6	6,920	1952	04-02-52	9.02	4,170
1923	04-22-23	8.8	3,970	1953	03-23-53	8.79	3,970
1924	04-18-24	7.3	2,570	1954	04-28-54	5.02	1,120
1925	06-15-25	5.3	1,290	1955	04-01-55	5.40	1,340
1926	08-23-26	5.9	1,650	1956	04-05-56	8.0	3,000
1927	03-15-27	5.8	1,590	1957	04-21-57	5.35	1,310
1928	09-16-28	7.8	2,930	1958	04-08-58	5.10	1,160
1929	04-08-29	8.5	3,480	1959	04-05-59	* 6.86	2,320
1930	04-18-30	4.6	890	1960	05-07-60	9.72	4,890
1931	06-24-31	4.50	800	1961	03-28-61	8.50	3,690
1932	04-09-32	5.70	1,510	1962	04-09-62	5.77	1,560
1933	03-31-33	5.8	1,570	1963	03-28-63	* 6.46	2,020
1934	04-05-34	6.9	2,310	1964	05-10-64	4.69	940
1935	03-24-35	6.10	1,810	1965	04-12-65	12.13	7,080
1936	03-25-36	6.0	1,610	1966	06-06-66	5.85	1,660
1937	04-25-37	6.0	1,740	1967	03-31-67	9.00	3,760
1938	03-22-38	8.1	3,130	1968	06-28-68	5.89	1,670
1939	03-27-39	* 8.76	3,970	1969	06-28-69	10.05	4,640
1940	06-09-40	6.82	2,310	1970	06-01-70	6.92	2,290
1941	05-31-41	6.38	2,030	1971	04-12-71	7.83	2,940
1942	05-31-42	6.84	2,310	1972	04-20-72	8.20	3,160
1943	06-01-43	9.35	4,560	1973	03-08-73	* ---	4,000
1944	06-14-44	6.95	2,460	1974	04-14-74	7.56	2,710
1945	03-18-45	7.38	2,760	1975	09-12-75	5.94	1,720
1946	03-16-46	7.55	2,920	1976	03-30-76	7.72	2,820
1947	04-05-47	6.94	2,390	1977	03-30-77	5.12	1,210
1948	03-24-48	* 5.65	1,580	1978	07-03-78	7.73	2,830
1949	03-24-49	5.36	1,390				

* DENOTES ANNUAL PEAK GAGE HEIGHT OCCURRED AT A TIME DIFFERENT THAN THAT OF PEAK DISCHARGE

TABLE 4. ANNUAL PEAK DATA AT GAGING STATIONS -- Continued.

STATION NO. - 04079000
DRAINAGE AREA - 2,240 SQ MI

STATION NAME - WOLF RIVER AT NEW LONDON, WIS.
GAGE DATUM - 747.94 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1896	05-08-96	---	3,420	1952	04-05-52	11.0	15,200
1897	03-27-97	---	4,390	1953	03-26-53	9.80	10,400
1898	04-03-98	---	2,865	1954	05-06-54	6.61	3,980
1899	05-05-99	---	5,430	1955	04-09-55	8.21	5,830
1900	07-26-00	---	2,750	1956	04-09-56	8.86	7,470
1901	04-01-01	---	6,230	1957	04-28-57	6.11	3,320
1902	05-13-02	---	3,050	1958	04-14-58	5.78	3,210
1903	03-29-03	---	5,100	1959	04-08-59	9.00	7,840
1904	06-02-04	---	5,160	1960	05-12-60	10.52	13,300
1905	04-01-05	---	6,470	1961	04-01-61	8.92	7,430
1906	04-03-06	---	7,250	1962	04-02-62	9.26	8,490
1907	03-30-07	---	5,100	1963	03-30-63	9.02	7,700
1937	03-30-07	---	5,100	1964	05-16-64	6.44	3,450
1938	03-24-38	9.8	11,500	1965	04-16-65	9.68	9,990
1939	03-29-39	9.8	11,100	1966	03-26-66	8.06	5,190
1940	07-01-40	7.2	4,880	1967	04-04-67	9.94	10,200
1941	04-07-41	8.6	7,140	1968	07-05-68	8.51	6,170
1942	06-05-42	9.0	7,940	1969	07-05-69	9.70	10,100
1943	04-02-43	9.9	11,700	1970	06-04-70	9.13	8,060
1944	06-22-44	8.3	6,080	1971	04-14-71	9.68	9,990
1945	03-23-45	8.4	7,600	1972	04-25-72	9.76	10,300
1946	03-18-46	9.6	10,300	1973	03-16-73	11.22	14,100
1947	04-12-47	8.1	5,970	1974	04-18-74	8.75	7,110
1948	03-23-48	7.8	5,460	1975	04-30-75	9.28	7,780
1949	03-31-49	6.8	4,020	1976	04-01-76	10.45	11,200
1950	03-31-50	9.6	7,000	1977	04-09-77	6.85	3,460
1951	04-14-51	9.82	10,500	1978	04-16-78	8.06	5,120

STATION NO. - 04079700
DRAINAGE AREA - 4.9 SQ MI

STATION NAME - SPAULDING CREEK NEAR BIG FALLS, WIS.
GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1959	04-03-59	10.50	28	1969	04-10-69	10.80	40
1960	05-07-60	11.64	101	1970	05-31-70	11.51	80
1961	03-27-61	10.81	40	1971	05-19-71	10.87	43
1962	09-13-62	10.72	37	1972	04-22-72	10.80	52
1963	-00-00	---	<20	1973	05-28-73	11.23	74
1964	09-10-64	10.94	57	1974	04-13-74	11.10	66
1965	04-12-65	11.55	92	1975	04-15-75	10.76	46
1966	12-13-65	10.74	38	1976	03-31-76	10.79	48
1967	04-02-67	11.03	51	1977	03-29-77	10.60	45
1968	06-26-68	10.84	42	1978	05-03-78	11.02	61

TABLE 4. ANNUAL PEAK DATA AT GAGING STATIONS -- Continued.

STATION NO. - 04080000

DRAINAGE AREA - 514 SQ MI

STATION NAME - LITTLE WOLF RIVER AT ROYALTON, WIS.

GAGE DATUM - 774.00 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1914	06-07-14	---	5,470	1943	03-30-43	8.00	6,950
1915	04-08-15	3.3	1,300	1944	06-20-44	4.55	2,860
1916	03-30-16	10.0	6,000	1945	03-17-45	6.5	5,080
1917	03-26-17	8.5	4,800	1946	03-15-46	9.21	5,900
1918	05-19-18	4.8	2,980	1947	04-07-47	4.6	2,860
1919	03-16-19	5.9	3,100	1948	03-21-48	7.93	5,000
1920	03-26-20	5.6	3,950	1949	03-22-49	3.21	1,480
1921	04-28-21	4.1	2,180	1950	03-28-50	11.95	6,800
1922	04-11-22	7.0	5,900	1951	04-09-51	4.61	2,860
1923	04-15-23	5.5	3,820	1952	04-02-52	7.00	5,690
1924	08-22-24	6.1	4,600	1953	03-23-53	6.28	4,840
1925	06-15-25	4.1	2,180	1954	03-15-54	2.62	1,010
1926	04-11-26	3.6	1,670	1955	10-03-54	4.67	2,890
1927	03-11-27	3.9	1,970	1956	04-05-56	8.88	6,000
1928	03-24-28	8.0	4,000	1957	04-21-57	* 2.71	1,080
1929	03-18-29	7.0	5,900	1958	09-06-58	2.81	1,150
1930	02-23-30	4.5	1,600	1959	04-05-59	9.10	4,000
1931	06-22-31	2.3	670	1960	05-08-60	* 5.82	4,260
1932	04-09-32	3.1	1,250	1961	03-28-61	4.63	2,890
1933	04-02-33	4.5	2,660	1962	03-29-62	3.97	2,380
1934	04-04-34	5.2	3,500	1963	03-26-63	7.78	3,700
1935	03-22-35	7.82	3,500	1964	09-11-64	2.86	1,320
1936	03-25-36	5.00	3,420	1965	04-13-65	6.03	4,680
1937	03-07-37	4.90	2,500	1966	02-10-66	5.96	2,400
1938	09-11-38	* 5.75	4,380	1967	04-01-67	* 5.45	4,000
1939	03-25-39	10.33	6,500	1968	06-29-68	3.45	1,860
1940	06-26-40	4.14	2,500	1969	06-30-69	* 4.59	3,060
1941	04-03-41	* 4.04	2,390	1970	06-01-70	6.85	5,660
1942	06-01-42	4.47	2,810				

STATION NO. - 04081000

DRAINAGE AREA - 272 SQ MI

STATION NAME - WAUPACA RIVER NEAR WAUPACA, WIS.

GAGE DATUM - 780.00 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1917	03-25-17	---	1,000	1943	03-26-43	5.00	1,570
1918	03-19-18	6.2	1,400	1944	03-12-44	3.98	1,160
1919	03-17-19	5.7	1,900	1945	03-16-45	* 3.60	1,000
1920	03-26-20	3.7	1,080	1946	03-14-46	* 4.48	1,360
1921	04-27-21	3.3	900	1947	04-06-47	* 3.45	855
1922	04-11-22	4.7	1,440	1948	03-20-48	6.90	2,520
1923	04-13-23	5.5	1,800	1949	04-26-49	* 2.73	652
1924	08-22-24	4.7	1,440	1950	03-28-50	8.06	2,100
1925	07-09-25	3.2	784	1951	04-08-51	* 2.96	740
1926	03-24-26	5.1	1,100	1952	04-02-52	4.67	1,440
1927	05-10-27	2.7	521	1953	03-23-53	5.19	1,660
1928	03-23-28	5.0	1,490	1954	06-01-54	* 2.25	455
1929	03-16-29	6.1	1,590	1955	10-04-54	* 3.52	950
1930	02-25-30	3.5	876	1956	04-05-56	5.18	1,650
1931	10-08-30	2.1	322	1957	04-21-57	1.96	353
1932	05-07-32	2.55	488	1958	04-06-58	2.02	375
1933	04-02-33	4.9	1,490	1959	04-01-59	4.92	1,250
1934	04-04-34	5.9	2,040	1960	12-28-59	4.04	1,180
1935	06-19-35	3.1	710	1961	03-27-61	3.78	1,070
1936	03-25-36	3.9	980	1962	04-08-62	2.65	620
1937	03-25-37	3.3	758	1963	03-26-63	5.00	1,570
1938	09-10-38	4.7	1,440	1964	09-04-64	* 1.87	328
1939	03-23-39	5.52	1,660	1965	04-12-65	* 4.51	1,360
1940	06-24-40	5.69	1,900	1966	02-11-66	6.15	1,220
1941	04-03-41	* 2.82	665	1967	03-30-67	3.74	1,060
1942	06-07-42	* 3.49	960				

* DENOTES ANNUAL PEAK GAGE HEIGHT OCCURRED AT A TIME DIFFERENT THAN THAT OF PEAK DISCHARGE

TABLE 4. ANNUAL PEAK DATA AT GAGING STATIONS -- Continued.

STATION NO. - 04081010
DRAINAGE AREA - 1.0 SQ MI

STATION NAME - WAUPACA RIVER TRIBUTARY NEAR WAUPACA, WIS.
GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1960	12-28-59	12.96	78	1970	05-31-70	13.20	60
1961	03-25-61	12.51	45	1971	08-14-71	13.00	50
1962	03-28-62	12.68	70	1972	04-22-72	11.25	20
1963	03-24-63	12.77	45	1973	03-07-73	15.09	106
1964	08-21-64	10.99	14	1974	04-14-74	13.10	50
1965	04-11-65	12.31	40	1975	04-28-75	12.37	45
1966	03-29-66	11.18	19	1976	03-12-76	13.00	60
1967	03-28-67	14.44	100	1977	-----	---	<4
1968	04-20-68	11.09	5	1978	05-03-78	11.68	17
1969	06-26-69	13.43	72				

STATION NO. - 04081900
DRAINAGE AREA - 15.3 SQ MI

STATION NAME - SAWYER CREEK AT OSHKOSH, WIS.
GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1961	09-30-61	11.55	130	1970	05-22-70	11.39	175
1962	03-29-62	14.60	1,050	1971	03-15-71	16.10	1,500
1963	03-24-63	13.69	780	1973	03-14-73	11.92	395
1964	05-08-64	11.40	175	1974	04-14-74	11.80	375
1965	04-11-65	12.90	470	1975	03-21-75	13.10	625
1966	02-09-66	13.46	670	1976	03-12-76	12.95	560
1967	04-16-67	11.39	175	1977	-----	---	<100
1968	06-26-68	11.72	200	1978	05-13-78	15.10	1,470
1969	04-04-69	14.13	950				

STATION NO. - 04083000
DRAINAGE AREA - 84.50 SQ MI

STATION NAME - W BR FOND DU LAC RIVER AT FOND DU LAC, WIS.
GAGE DATUM - 766.78 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1939	03-25-39	3.79	602	1947	06-13-47	4.42	770
1940	06-22-40	5.28	1,000	1948	03-21-48	* 3.21	457
1941	03-27-41	5.29	1,000	1949	03-27-49	* 3.42	501
1942	05-31-42	6.16	1,320	1950	03-27-50	* 4.15	642
1943	03-27-43	---	1,390	1951	05-03-51	4.28	741
1944	06-23-44	* 2.02	202	1952	03-24-52	* 4.58	894
1945	06-01-45	---	686	1953	03-17-53	5.10	1,040
1946	03-14-46	5.78	1,210	1954	04-24-54	1.12	56

STATION NO. - 04083400
DRAINAGE AREA - 1.19 SQ MI

STATION NAME - EAST BRANCH FOND DU LAC TRIBUTARY NEAR EDEN,
GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1961	03-25-61	11.18	50	1970	-----	---	<18
1962	10-29-61	10.65	30	1971	03-15-71	12.58	65
1963	03-24-63	12.76	50	1972	08-18-72	12.00	85
1964	04-00-64	10.40	20	1973	05-02-73	11.39	60
1965	09-21-65	10.90	40	1974	04-14-74	11.90	80
1966	05-23-66	11.72	48	1975	03-21-75	12.58	110
1967	03-02-67	12.44	25	1976	-----	---	<29
1968	06-26-68	12.00	85	1977	-----	---	<29
1969	04-03-69	10.81	35	1978	05-13-78	13.01	135

* DENOTES ANNUAL PEAK GAGE HEIGHT OCCURRED AT A TIME DIFFERENT THAN THAT OF PEAK DISCHARGE

TABLE 4. ANNUAL PEAK DATA AT GAGING STATIONS -- Continued.

STATION NO. - 04083500
DRAINAGE AREA - 77.90 SQ MI

STATION NAME - E BR FOND DU LAC RIVER AT FOND DU LAC, WIS.
GAGE DATUM - 762.82 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1939	03-25-39	* 2.85	397	1947	06-13-47	4.65	1,220
1940	06-23-40	5.87	2,140	1948	03-15-48	5.23	1,100
1941	03-23-41	* 4.96	1,090	1949	03-27-49	* 2.87	403
1942	05-31-42	4.12	920	1950	03-26-50	6.40	1,100
1943	03-16-43	10.74	1,500	1951	04-26-51	* 3.97	899
1944	02-23-44	---	170	1952	03-21-52	* 4.21	964
1945	03-14-45	8.21	1,600	1953	03-15-53	* 3.70	745
1946	03-13-46	4.72	1,460	1954	07-07-54	* 1.93	110

STATION NO. - 04084500
DRAINAGE AREA - 6,150 SQ MI

STATION NAME - FOX R AT RAPIDE CROCHE DAM, NR WRIGHTSTOWN, W
GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1918	05-25-18	---	# 16,300	1949	04-26-49	---	# 6,360
1919	04-18-19	---	# 13,100	1950	04-18-50	---	# 10,900
1920	04-10-20	---	# 16,600	1951	04-26-51	---	# 20,400
1921	04-28-21	---	# 14,200	1952	04-18-52	---	# 24,000
1922	04-23-22	---	# 20,100	1953	04-22-53	---	# 12,000
1923	05-02-23	---	# 13,700	1954	06-28-54	---	# 5,530
1924	05-13-24	---	# 15,500	1955	10-08-54	---	# 12,800
1925	07-09-25	---	# 8,340	1956	05-14-56	---	# 10,900
1926	06-17-26	---	# 9,060	1957	05-29-57	---	# 5,830
1927	03-30-27	---	# 13,300	1958	01-03-58	---	# 4,220
1928	04-11-28	---	# 15,100	1959	05-01-59	---	# 11,600
1929	04-04-29	---	# 20,600	1960	05-18-60	---	# 23,600
1930	03-08-30	---	# 6,600	1961	04-20-61	---	# 9,950
1931	12-02-30	---	# 3,100	1962	04-17-62	---	# 15,400
1932	03-04-32	---	# 9,900	1963	04-10-63	---	# 9,470
1933	05-19-33	---	# 8,900	1964	05-26-64	---	# 4,070
1934	04-03-34	---	# 6,650	1965	04-30-65	---	# 12,400
1935	04-05-35	---	# 11,100	1966	03-30-66	---	# 14,200
1936	04-04-36	---	# 6,290	1967	04-17-67	---	# 15,400
1937	05-04-37	---	# 13,500	1968	06-27-68	---	# 12,500
1938	03-30-38	---	# 11,500	1969	07-14-69	---	# 16,200
1939	10-01-38	---	# 18,200	1970	06-03-70	---	# 12,200
1940	06-26-40	---	# 17,500	1971	04-16-71	---	# 10,800
1941	04-20-41	---	# 16,600	1972	04-25-72	---	# 13,200
1942	06-12-42	---	# 19,800	1973	03-29-73	---	# 17,000
1943	06-06-43	---	# 21,300	1974	05-17-74	---	# 12,400
1944	06-23-44	---	# 10,800	1975	04-30-75	---	# 14,500
1945	06-06-45	---	# 15,800	1976	04-10-76	---	14,200
1946	03-27-46	---	# 21,300	1977	04-09-77	---	# 5,900
1947	06-16-47	---	# 11,000	1978	05-25-78	---	# 10,000
1948	04-03-48	---	# 10,300				

* DENOTES ANNUAL PEAK GAGE HEIGHT OCCURRED AT A TIME DIFFERENT THAN THAT OF PEAK DISCHARGE
DENOTES ANNUAL PEAK DISCHARGE AFFECTED BY KNOWN REGULATION OR DIVERSION

TABLE 4. ANNUAL PEAK DATA AT GAGING STATIONS -- Continued.

STATION NO. - 04085030
DRAINAGE AREA - 15.0 SQ MI

STATION NAME - APPLE CREEK NEAR KAUKAUNA, WIS
GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1960	09-19-60	14.58	1,040	1970	03-20-70	12.22	135
1961	08-09-61	14.84	1,200	1971	03-15-71	13.86	610
1962	03-29-62	14.75	1,150	1972	04-21-72	13.18	320
1963	03-24-63	14.58	1,040	1973	03-14-73	14.76	1,150
1964	05-09-64	13.26	340	1974	06-09-74	14.85	1,210
1965	04-11-65	13.35	380	1975	03-23-75	14.36	890
1966	03-22-66	14.15	770	1976	03-12-76	15.03	1,330
1967	06-15-67	14.06	720	1977	-----	--	<70
1968	06-26-68	14.43	940	1978	05-13-78	13.70	530
1969	06-26-69	13.71	530				

STATION NO. - 04085100
DRAINAGE AREA - 8.0 SQ MI

STATION NAME - EAST RIVER TRIBUTARY AT GREENLEAF, WIS
GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1958	04-00-58	12.77	80	1969	06-26-69	15.06	730
1959	04-03-59	13.38	445	1970	03-20-70	10.91	170
1960	03-30-60	14.15	550	1971	04-12-71	12.29	325
1961	08-09-61	13.76	493	1972	04-13-72	12.26	200
1962	03-28-62	12.99	390	1973	03-07-73	11.85	245
1963	05-10-63	10.54	105	1974	03-03-74	10.59	110
1964	05-09-64	10.19	80	1975	03-22-75	11.40	200
1965	09-20-65	10.24	80	1976	03-21-76	12.28	300
1966	02-08-66	11.98	260	1977	03-29-77	10.26	85
1967	06-14-67	13.00	390	1978	05-13-78	10.28	90
1968	06-26-68	11.50	200				

STATION NO. - 04085200
DRAINAGE AREA - 129 SQ MI

STATION NAME - KEWAUNEE RIVER NEAR KEWAUNEE, WIS.
GAGE DATUM - 590.00 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1958	04-00-58	12.16	1,310	1969	03-24-69	* 12.53	1,600
1959	04-07-59	14.02	3,220	1970	04-21-70	10.93	673
1960	03-30-60	16.03	6,500	1971	04-01-71	* 12.45	1,620
1961	03-26-61	11.84	1,100	1972	03-22-72	15.29	2,500
1962	03-29-62	13.59	2,670	1973	05-28-73	14.10	3,540
1963	03-26-63	15.73	4,700	1974	03-04-74	14.13	3,590
1964	03-16-64	12.58	1,640	1975	03-22-75	14.23	3,860
1965	04-12-65	13.84	2,980	1976	03-21-76	13.76	3,260
1966	02-08-66	16.05	4,000	1977	03-13-77	11.71	1,160
1967	03-27-67	13.19	2,230	1978	05-14-78	12.83	2,150
1968	06-28-68	12.40	1,500				

STATION NO. - 04085300
DRAINAGE AREA - 3.08 SQ MI

STATION NAME - NESHOTA RIVER TRIBUTARY NEAR DENMARK, WIS
GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1959	04-02-59	14.01	390	1969	06-26-69	15.11	520
1960	04-17-60	14.20	430	1970	03-20-70	12.89	120
1961	08-09-61	13.28	250	1971	04-12-71	12.55	80
1962	03-28-62	13.24	245	1972	04-13-72	12.50	75
1963	03-25-63	13.92	250	1973	05-27-73	14.10	300
1964	05-09-64	11.46	50	1974	03-03-74	12.80	105
1965	09-21-65	11.82	22	1975	03-23-75	12.43	215
1966	02-08-66	13.80	330	1976	03-21-76	13.41	260
1967	03-26-67	13.81	250	1977	03-12-77	13.24	165
1968	06-26-68	12.85	110	1978	04-06-78	13.07	140

* DENOTES ANNUAL PEAK GAGE HEIGHT OCCURRED AT A TIME DIFFERENT THAN THAT OF PEAK DISCHARGE

TABLE 4. ANNUAL PEAK DATA AT GAGING STATIONS -- Continued.

STATION NO. - 04085400
DRAINAGE AREA - 29.5 SQ MI

STATION NAME - KILLSNAKE RIVER NEAR CHILTON, WIS
GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1961	-----	---	<95	1970	05-22-70	10.71	265
1962	03-28-62	12.81	1,060	1971	04-01-71	12.40	880
1963	03-25-63	13.40	1,200	1972	03-21-72	11.90	660
1964	05-09-64	10.10	100	1973	03-07-73	12.00	710
1965	04-11-65	10.50	200	1974	04-14-74	12.50	920
1966	02-08-66	12.90	1,100	1975	04-06-75	13.30	1,300
1967	03-10-67	11.86	700	1976	03-21-76	12.42	900
1968	06-26-68	10.60	250	1977	04-02-77	10.40	180
1969	06-26-69	12.49	900	1978	05-13-78	12.92	1,100

STATION NO. - 04085700
DRAINAGE AREA - 5.51 SQ MI

STATION NAME - SHEBOYGAN RIVER TRIBUTARY NEAR PLYMOUTH, WIS.
GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1959	05-00-59	10.49	80	1969	-----	---	<58
1960	04-17-60	11.19	180	1970	-----	---	<58
1961	09-30-61	11.52	230	1971	03-30-71	11.30	200
1962	11-16-61	10.48	100	1972	09-21-72	10.90	150
1963	06-09-63	10.20	75	1973	10-23-72	10.90	150
1964	03-14-64	10.30	80	1975	03-23-75	12.87	410
1965	09-20-65	10.68	120	1976	03-12-76	10.55	95
1966	02-08-66	11.22	185	1977	03-04-77	10.94	130
1967	03-23-67	9.90	60	1978	05-13-78	11.53	200
1968	-----	---	<58				

STATION NO. - 04086000
DRAINAGE AREA - 432 SQ MI

STATION NAME - SHEBOYGAN RIVER AT SHEBOYGAN, WIS.
GAGE DATUM - 584.00 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1917	06-03-17	---	2,080	1962	03-26-62	9.11	4,340
1918	03-20-18	---	6,340	1963	03-25-63	8.33	2,500
1919	03-16-19	---	3,670	1964	04-07-64	4.54	814
1920	03-26-20	---	7,140	1965	04-07-65	9.55	4,880
1921	04-26-21	---	5,140	1966	02-10-66	9.76	5,150
1922	03-07-22	---	3,500	1967	04-17-67	7.86	2,710
1923	04-06-23	---	4,200	1968	06-27-68	5.55	1,330
1951	03-30-51	---	4,310	1969	06-26-69	6.97	2,320
1952	07-20-52	8.61	3,780	1970	06-02-70	4.11	594
1953	03-13-53	6.26	1,830	1971	04-01-71	7.60	2,820
1954	06-22-54	5.39	1,320	1972	03-21-72	8.61	3,290
1955	04-25-55	8.92	4,010	1973	05-28-73	8.39	3,580
1956	05-06-56	7.66	2,870	1974	04-14-74	* 8.15	3,430
1957	04-07-57	4.26	694	1975	03-22-75	11.64	7,680
1958	04-07-58	3.43	379	1976	03-27-76	7.99	3,190
1959	04-03-59	9.48	4,790	1977	09-24-77	5.89	1,600
1960	03-30-60	10.65	6,300	1978	05-13-78	11.42	7,410
1961	09-30-61	6.53	1,990				

STATION NO. - 04086150
DRAINAGE AREA - 138 SQ MI

STATION NAME - MILWAUKEE RIVER AT KEWASKUM, WIS.
GAGE DATUM - 930.00 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1969	06-26-69	6.32	615	1974	03-05-74	6.66	1,200
1970	06-02-70	3.50	170	1975	03-22-75	9.15	3,040
1971	04-01-71	* 5.54	736	1976	03-14-76	5.72	738
1972	09-21-72	7.06	1,060	1977	06-12-77	5.88	802
1973	03-07-73	6.50	1,100	1978	05-13-78	6.80	1,280

* DENOTES ANNUAL PEAK GAGE HEIGHT OCCURRED AT A TIME DIFFERENT THAN THAT OF PEAK DISCHARGE

TABLE 4. ANNUAL PEAK DATA AT GAGING STATIONS -- Continued.

STATION NO. - 04086200
DRAINAGE AREA - 54.1 SQ MI

STATION NAME - EAST BRANCH MILWAUKEE RIVER AT NEW FANE, WIS.
GAGE DATUM - 950.00 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1969	03-29-69	2.72	96	1974	03-05-74	5.93	210
1970	05-11-70	* 2.29	68	1975	03-24-75	5.44	743
1971	04-02-71	* 3.15	190	1976	03-06-76	* 4.89	312
1972	03-25-72	2.49	170	1977	03-31-77	* 4.59	211
1973	03-08-73	2.59	196	1978	05-15-78	4.81	285

STATION NO. - 04086340
DRAINAGE AREA - 148 SQ MI

STATION NAME - NORTH BRANCH MILWAUKEE RIVER NEAR FILLMORE, W
GAGE DATUM - 800.00 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1969	06-27-69	5.39	460	1974	03-05-74	* 6.15	1,600
1970	05-15-70	* 3.12	186	1975	03-22-75	8.21	3,100
1971	04-13-71	5.57	664	1976	04-25-76	5.41	614
1972	03-22-72	5.69	955	1977	03-31-77	4.45	323
1973	05-29-73	5.67	925	1978	05-14-78	5.94	860

STATION NO. - 04086360
DRAINAGE AREA - 432 SQ MI

STATION NAME - MILWAUKEE RIVER AT WAUBEKA, WIS.
GAGE DATUM - 770.00 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1969	06-28-69	6.51	1,660	1974	03-05-74	* 8.01	3,210
1970	05-14-70	* 4.01	493	1975	03-23-75	11.35	6,990
1971	04-13-71	* 7.35	2,500	1976	04-25-76	7.45	2,420
1972	03-22-72	8.14	2,100	1977	03-11-77	5.20	924
1973	03-08-73	7.31	2,220	1978	05-15-78	7.73	2,640

STATION NO. - 04086400
DRAINAGE AREA - .82 SQ MI

STATION NAME - MILWAUKEE RIVER TRIBUTARY NEAR FREDONIA, WIS
GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1962	03-28-62	11.36	45	1971	04-12-71	12.33	88
1963	-----	---	<10	1972	09-21-72	12.50	70
1964	09-18-64	10.41	15	1973	05-27-73	12.41	90
1965	09-09-65	14.68	210	1974	03-03-74	12.50	95
1966	10-21-65	12.00	70	1975	03-22-75	12.00	70
1967	03-23-67	10.57	20	1976	03-26-76	11.04	36
1968	10-24-67	10.30	13	1977	09-24-77	11.12	39
1969	06-26-69	12.50	95	1978	05-13-78	12.71	100
1970	-----	---	<10				

* DENOTES ANNUAL PEAK GAGE HEIGHT OCCURRED AT A TIME DIFFERENT THAN THAT OF PEAK DISCHARGE

TABLE 4. ANNUAL PEAK DATA AT GAGING STATIONS -- Continued.

STATION NO. - 04086500
DRAINAGE AREA - 120 SQ MI

STATION NAME - CEDAR CREEK NEAR CEDARBURG, WIS.
GAGE DATUM - 795.33 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1931	06-23-31	5.9	177	1954	06-23-54	8.2	1,000
1932	11-25-31	6.7	450	1955	10-04-54	9.45	1,920
1933	04-01-33	9.0	1,470	1956	07-13-56	6.85	433
1934	04-04-34	6.5	352	1957	05-31-57	6.40	273
1935	03-06-35	9.8	1,100	1958	03-01-58	6.55	180
1936	03-14-36	9.0	710	1959	04-01-59	11.7	3,400
1937	04-22-37	8.8	1,350	1960	03-30-60	12.25	3,600
1938	09-19-38	9.1	1,520	1961	03-22-61	7.14	525
1939	03-24-39	7.4	702	1962	03-28-62	10.30	2,530
1940	06-23-40	11.05	3,180	1963	03-25-63	8.40	1,540
1941	03-24-41	8.9	410	1964	07-20-64	7.90	945
1942	06-13-42	7.9	850	1965	04-07-65	10.4	2,000
1943	03-25-43	8.9	1,100	1966	10-23-65	7.92	917
1944	03-16-44	8.2	440	1967	03-26-67	7.65	613
1945	03-15-45	6.8	406	1968	04-24-68	6.61	296
1946	03-07-46	11.0	3,140	1969	06-28-69	7.69	720
1947	03-25-47	8.2	580	1970	06-03-70	6.54	277
1948	03-19-48	9.0	1,610	1974	03-04-74	---	2,000
1949	04-01-49	6.7	386	1975	03-22-75	10.83	2,690
1950	03-27-50	11.10	3,230	1976	04-26-76	9.53	1,760
1951	03-30-51	8.80	1,470	1977	03-31-77	* 6.63	326
1952	03-20-52	11.40	3,500	1978	05-15-78	8.96	960
1953	06-06-53	8.86	1,540				

STATION NO. - 04087000
DRAINAGE AREA - 696 SQ MI

STATION NAME - MILWAUKEE RIVER AT MILWAUKEE, WIS.
GAGE DATUM - 607.23 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1915	02-24-15	---	5,460	1947	03-25-47	4.80	2,500
1916	03-29-16	---	4,410	1948	03-19-48	7.55	8,080
1917	03-25-17	---	5,310	1949	07-28-49	4.10	1,620
1918	03-20-18	---	15,100	1950	03-28-50	6.42	5,540
1919	03-18-19	---	5,310	1951	03-30-51	6.54	5,740
1920	06-17-20	---	7,050	1952	03-22-52	7.13	7,010
1921	04-23-21	---	4,470	1953	06-05-53	6.89	6,580
1922	02-24-22	---	4,310	1954	06-22-54	5.62	4,030
1923	04-07-23	---	7,060	1955	10-04-54	5.92	4,590
1924	08-06-24	---	15,100	1956	05-10-56	5.65	3,940
1925	02-11-25	---	3,350	1957	05-13-57	4.34	2,040
1926	03-25-26	---	4,740	1958	09-24-58	4.63	2,440
1927	03-13-27	---	3,940	1959	04-03-59	7.92	8,780
1928	03-15-28	---	5,350	1960	03-31-60	8.05	9,300
1929	03-15-29	---	11,000	1961	09-13-61	5.41	3,740
1930	02-26-30	---	4,180	1962	03-28-62	6.28	5,400
1931	04-07-31	---	945	1963	03-28-63	4.96	2,980
1932	11-24-31	---	2,200	1964	07-18-64	5.92	4,690
1933	04-02-33	---	6,370	1965	04-08-65	6.45	5,740
1934	04-04-34	5.46	2,260	1966	02-12-66	6.27	5,380
1935	03-17-35	5.60	3,300	1967	08-06-67	5.18	3,470
1936	03-24-36	4.62	2,990	1968	06-23-68	6.08	4,960
1937	02-21-37	5.93	6,640	1969	06-26-69	5.54	4,060
1938	02-12-38	6.19	7,360	1970	09-24-70	5.17	3,450
1939	03-26-39	4.83	2,440	1971	04-13-71	5.60	4,130
1940	06-24-40	7.10	6,570	1972	09-18-72	6.24	5,090
1941	03-27-41	4.85	2,500	1973	04-21-73	9.29	12,600
1942	03-17-42	4.74	2,360	1974	03-04-74	6.61	6,190
1943	03-16-43	6.81	5,860	1975	03-24-75	7.53	8,100
1944	02-27-44	4.52	2,030	1976	03-04-76	6.59	6,050
1945	03-16-45	4.33	1,840	1977	06-11-77	6.39	5,650
1946	03-15-46	7.00	6,330	1978	07-02-78	7.46	7,920

* DENOTES ANNUAL PEAK GAGE HEIGHT OCCURRED AT A TIME DIFFERENT THAN THAT OF PEAK DISCHARGE

TABLE 4. ANNUAL PEAK DATA AT GAGING STATIONS -- Continued.

STATION NO. - 04087050
DRAINAGE AREA - 8.0 SQ MI

STATION NAME - LITTLE MENOMONEE RIVER NEAR FREISTADT, WIS
GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1958	03-00-58	10.32	63	1969	06-26-69	11.89	215
1959	04-02-59	11.78	200	1970	05-13-70	11.36	160
1960	09-19-60	12.70	305	1971	03-28-71	11.30	200
1961	10-31-60	10.88	105	1972	12-15-71	11.45	165
1962	03-26-62	11.29	150	1973	04-21-73	13.14	360
1963	03-24-63	11.10	123	1974	03-03-74	12.58	290
1964	07-18-64	12.96	340	1975	03-22-75	6.69	225
1965	09-09-65	12.00	225	1976	03-05-76	6.78	240
1966	10-21-65	12.60	300	1977	08-04-77	4.61	77
1967	06-11-67	10.35	70	1978	05-13-78	12.60	213
1968	06-28-68	10.78	100				

STATION NO. - 04087100
DRAINAGE AREA - 3.26 SQ MI

STATION NAME - HONEY CREEK AT MILWAUKEE, WIS
GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1959	07-18-59	---	240	1969	06-29-69	20.00	290
1960	08-02-60	---	285	1970	06-02-70	19.60	310
1961	09-22-61	---	230	1971	02-19-71	18.49	150
1962	08-24-62	---	140	1972	09-18-72	21.54	680
1963	08-12-63	---	115	1973	04-21-73	21.40	640
1964	07-18-64	19.40	259	1974	06-09-74	19.33	250
1965	08-08-65	---	185	1975	03-22-75	19.41	275
1966	02-09-66	---	190	1976	03-04-76	19.97	350
1967	06-11-67	19.03	210	1977	07-18-77	20.30	400
1968	09-24-68	19.02	210	1978	09-13-78	20.04	360

STATION NO. - 04087120
DRAINAGE AREA - 123 SQ MI

STATION NAME - MENOMONEE RIVER AT WAUWATOSA, WIS.
GAGE DATUM - 630.86 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1962	03-25-62	4.50	1,560	1971	03-15-71	5.64	2,180
1963	03-16-63	5.78	900	1972	09-18-72	10.39	6,610
1964	07-18-64	9.03	6,010	1973	04-21-73	13.92	13,500
1965	03-05-65	5.59	2,190	1974	03-03-74	5.73	2,160
1966	02-09-66	6.04	2,520	1975	03-22-75	5.97	2,480
1967	06-10-67	4.81	1,700	1976	03-04-76	9.09	4,590
1968	08-20-68	8.03	4,660	1977	07-17-77	6.68	2,470
1969	06-25-69	6.64	3,050	1978	05-13-78	8.73	5,070
1970	06-02-70	5.47	2,050				

STATION NO. - 04087200
DRAINAGE AREA - 13.8 SQ MI

STATION NAME - OAK CREEK NEAR SOUTH MILWAUKEE, WIS
GAGE DATUM - 660.00 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1958	06-01-58	11.11	57	1969	06-29-69	16.94	630
1959	04-01-59	15.25	170	1970	06-02-70	15.39	180
1960	03-30-60	17.49	1,100	1971	02-19-71	15.80	210
1961	09-22-61	12.60	85	1972	09-18-72	17.08	740
1962	03-25-62	15.46	185	1973	04-21-73	16.28	260
1963	03-24-63	12.08	75	1974	03-04-74	16.24	255
1964	07-18-64	14.38	130	1975	04-28-75	14.91	195
1965	03-05-65	15.17	165	1976	03-05-76	16.59	580
1966	02-09-66	16.09	235	1977	07-18-77	14.35	145
1967	06-11-67	15.15	165	1978	09-13-78	16.67	600
1968	06-26-68	16.23	255				

TABLE 4. ANNUAL PEAK DATA AT GAGING STATIONS -- Continued.

STATION NO. - 04087204
DRAINAGE AREA - 25.0 SQ MI

STATION NAME - OAK CREEK AT SOUTH MILWAUKEE, WIS.
GAGE DATUM - 630.00 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1964	07-18-64	7.17	398	1972	09-18-72	8.23	916
1965	03-05-65	6.20	480	1973	04-21-73	7.10	774
1966	02-10-66	6.38	526	1974	03-03-74	7.33	839
1967	06-11-67	6.71	612	1975	04-28-75	6.72	581
1968	06-26-68	7.52	606	1976	03-04-76	7.90	935
1969	06-30-69	7.58	704	1977	07-18-77	5.89	378
1970	06-02-70	6.63	399	1978	09-13-78	8.19	1,020
1971	02-20-71	6.46	441				

STATION NO. - 04087220
DRAINAGE AREA - 49.3 SQ MI

STATION NAME - ROOT RIVER NEAR FRANKLIN, WIS.
GAGE DATUM - 674.50 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1960	03-30-60	9.57	5,130	1971	03-15-71	* 7.24	1,020
1964	07-19-64	7.12	792	1972	09-18-72	8.80	2,270
1965	03-05-65	8.43	1,600	1973	04-21-73	9.31	3,700
1966	02-10-66	6.38	526	1974	01-27-74	7.86	1,680
1967	06-11-67	7.06	808	1975	04-28-75	8.00	1,420
1968	06-27-68	7.44	910	1976	03-05-76	8.58	2,160
1969	06-30-69	8.36	2,650	1977	07-19-77	6.76	534
1970	06-02-70	7.44	1,220	1978	09-13-78	7.50	980

STATION NO. - 04087230
DRAINAGE AREA - 3.92 SQ MI

STATION NAME - W BR ROOT R CANAL TRIB NR NORTH CAPE, WIS
GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1962	03-25-62	11.93	108	1971	02-19-71	11.80	100
1963	03-24-63	10.46	30	1972	04-16-72	11.61	85
1964	07-18-64	11.37	70	1973	04-21-73	10.96	48
1965	04-03-65	10.94	47	1974	03-04-74	11.92	105
1966	02-09-66	12.49	150	1975	03-18-75	10.54	32
1967	06-11-67	11.30	65	1976	03-06-76	11.67	90
1968	06-26-68	11.18	60	1977	03-29-77	10.32	25
1969	06-29-69	11.91	107	1978	07-03-78	11.55	82
1970	03-20-70	11.78	98				

STATION NO. - 04087233
DRAINAGE AREA - 57.2 SQ MI

STATION NAME - ROOT RIVER CANAL NEAR FRANKLIN, WIS.
GAGE DATUM - 670.00 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1964	07-19-64	8.34	309	1972	09-18-72	9.66	704
1965	03-06-65	9.35	500	1973	04-15-73	9.39	740
1966	02-11-66	9.27	774	1974	03-04-74	9.88	1,440
1967	06-13-67	9.33	574	1975	03-18-75	7.55	482
1968	06-29-68	9.25	470	1976	03-05-76	9.64	1,200
1969	06-30-69	9.99	461	1977	03-29-77	3.86	108
1970	06-03-70	9.09	696	1978	08-20-78	9.25	990
1971	02-28-71	* 9.85	760				

* DENOTES ANNUAL PEAK GAGE HEIGHT OCCURRED AT A TIME DIFFERENT THAN THAT OF PEAK DISCHARGE

TABLE 4. ANNUAL PEAK DATA AT GAGING STATIONS -- Continued.

STATION NO. - 04087240

STATION NAME - ROOT RIVER AT RACINE, WIS.

DRAINAGE AREA - 187 SQ MI

GAGE DATUM - 610.00 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1964	07-20-64	4.68	997	1972	09-20-72	6.54	2,740
1965	03-06-65	5.61	1,610	1973	04-22-73	7.88	3,790
1966	02-12-66	8.13	2,500	1974	03-05-74	8.54	4,500
1967	06-13-67	5.53	2,250	1975	03-19-75	5.64	1,930
1968	06-30-68	5.42	1,470	1976	03-06-76	6.73	2,930
1969	07-01-69	6.25	2,150	1977	03-30-77	3.45	340
1970	06-04-70	5.10	1,280	1978	05-15-78	5.12	1,490
1971	03-01-71	* 5.50	1,560				

STATION NO. - 04087250

STATION NAME - PIKE CREEK NEAR KENOSHA, WIS

DRAINAGE AREA - 7.25 SQ MI

GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1960	03-30-60	16.86	170	1970	06-02-70	14.79	75
1961	03-21-61	14.06	65	1971	02-19-71	14.89	85
1962	03-25-62	14.88	85	1972	09-13-72	15.92	110
1963	07-19-63	13.30	43	1973	04-21-73	15.10	90
1964	07-18-64	11.71	20	1974	03-04-74	15.19	95
1965	04-01-65	13.48	55	1975	04-29-75	12.65	40
1966	10-21-65	17.47	210	1976	03-05-76	17.01	180
1967	06-11-67	13.29	42	1977	07-18-77	12.26	30
1968	06-26-68	13.18	40	1978	09-17-78	17.60	220
1969	06-29-69	15.30	85				

STATION NO. - 05332500

STATION NAME - NAMEKAGON RIVER NEAR TREGO, WIS.

DRAINAGE AREA - 423 SQ MI

GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1914	07-01-14	---	1,090	1943	06-06-43	---	1,190
1915	05-19-15	---	1,090	1944	06-07-44	---	2,210
1916	04-22-16	---	1,330	1945	06-17-45	---	1,760
1917	04-04-17	---	873	1946	06-28-46	---	1,120
1918	06-06-18	---	1,020	1947	04-24-47	---	959
1919	04-13-19	---	838	1948	03-27-48	---	957
1920	06-30-20	---	1,570	1949	07-09-49	---	1,170
1921	04-10-21	---	873	1950	04-19-50	---	2,160
1922	04-10-22	---	1,810	1951	04-15-51	---	1,500
1923	04-23-23	---	1,090	1952	07-22-52	---	1,480
1924	05-13-24	---	873	1953	05-23-53	---	1,330
1925	03-26-25	---	803	1954	05-04-54	---	2,140
1926	04-14-26	---	733	1955	07-06-55	---	1,120
1927	03-18-27	---	1,330	1956	06-16-56	---	1,630
1928	09-14-28	---	1,360	1957	06-24-57	---	1,120
1929	10-20-28	---	1,150	1958	07-03-58	---	2,380
1930	02-24-30	---	844	1959	05-07-59	---	886
1931	06-28-31	---	855	1960	05-23-60	---	1,420
1932	04-11-32	---	727	1961	05-17-61	---	1,480
1933	05-01-33	---	751	1962	05-26-62	---	1,200
1934	04-07-34	---	867	1963	04-02-63	---	657
1935	03-28-35	---	957	1964	05-09-64	---	1,280
1936	04-15-36	---	1,340	1965	04-13-65	---	1,640
1937	04-24-37	---	893	1966	03-18-66	---	1,280
1938	05-07-38	---	1,300	1967	04-03-67	---	1,740
1939	03-28-39	---	1,020	1968	06-22-68	---	1,380
1940	05-21-40	---	773	1969	04-12-69	---	1,740
1941	09-02-41	---	5,200	1970	06-01-70	---	927
1942	06-07-42	---	1,280				

* DENOTES ANNUAL PEAK GAGE HEIGHT OCCURRED AT A TIME DIFFERENT THAN THAT OF PEAK DISCHARGE

TABLE 4. ANNUAL PEAK DATA AT GAGING STATIONS -- Continued.

STATION NO. - 05333100

DRAINAGE AREA - 13.0 SQ MI

STATION NAME - LITTLE FROG CREEK NEAR MINONG, WIS

GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1961	05-15-61	15.06	260	1970	04-20-70	12.09	73
1962	05-23-62	12.99	116	1971	10-08-70	15.38	318
1963	03-25-63	11.80	60	1972	07-22-72	15.93	480
1964	05-06-64	14.30	188	1973	03-11-73	13.15	124
1965	04-15-65	14.31	190	1974	06-10-74	15.32	305
1966	06-03-66	16.30	580	1975	06-29-75	13.52	144
1967	03-30-67	15.89	465	1976	03-30-76	15.38	318
1968	07-11-68	12.89	105	1977	09-24-77	13.02	118
1969	10-16-68	12.84	108	1978	08-23-78	15.79	424

STATION NO. - 05333500

DRAINAGE AREA - 1,588 SQ MI

STATION NAME - ST. CROIX RIVER NEAR DANBURY, WIS.

GAGE DATUM - 882.21 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1914	04-24-14	4.15	4,030	1947	04-13-47	* 3.73	3,530
1915	06-19-15	4.47	4,640	1948	03-27-48	4.52	4,450
1916	04-22-16	6.73	8,480	1949	05-07-49	4.64	4,580
1917	07-21-17	3.05	2,840	1950	05-06-50	8.22	10,200
1918	06-02-18	* 3.15	3,000	1951	04-14-51	5.32	5,840
1919	04-11-19	3.50	3,330	1952	07-21-52	6.12	6,980
1920	07-02-20	5.55	6,300	1953	05-22-53	6.05	6,540
1921	04-08-21	2.78	2,630	1954	05-02-54	7.38	8,900
1922	04-11-22	6.15	7,380	1955	04-06-55	* 4.06	4,200
1923	04-23-23	3.41	3,290	1956	04-13-56	* 4.64	4,950
1924	05-11-24	3.24	3,100	1957	06-24-57	* 3.62	3,600
1925	03-28-25	3.12	2,970	1958	07-02-58	7.11	8,500
1926	04-17-26	2.20	2,030	1959	05-12-59	3.37	3,420
1927	03-19-27	5.70	6,540	1960	04-25-60	3.82	3,910
1928	09-17-28	3.80	3,690	1961	05-16-61	6.20	7,130
1929	03-31-29	3.60	3,460	1962	05-24-62	4.84	5,160
1930	05-14-30	3.28	3,130	1963	03-30-63	2.50	2,460
1931	06-24-31	3.25	3,080	1964	05-07-64	4.38	4,600
1932	04-08-32	3.35	3,240	1965	04-19-65	5.74	6,460
1933	04-03-33	3.55	3,160	1966	03-20-66	* ---	5,700
1934	04-08-34	5.45	5,090	1967	04-01-67	5.60	6,260
1935	03-23-35	5.50	5,630	1968	07-15-68	6.00	6,830
1936	04-16-36	5.07	4,980	1969	04-14-69	5.84	6,600
1937	04-22-37	3.47	3,400	1970	04-24-70	3.10	3,120
1938	05-07-38	4.12	4,000	1971	04-13-71	* 5.23	5,750
1939	03-31-39	* 4.67	4,920	1972	07-23-72	6.21	7,140
1940	05-16-40	* 3.01	2,930	1973	03-13-73	3.95	4,070
1941	09-04-41	7.16	8,630	1974	06-11-74	4.65	4,960
1942	05-03-42	* 3.45	3,480	1975	04-24-75	4.37	4,590
1943	06-04-43	* 4.06	4,250	1976	04-03-76	5.67	6,360
1944	06-06-44	7.47	8,990	1977	09-01-77	5.43	5,830
1945	03-19-45	* 5.50	5,600	1978	08-24-78	* 4.85	4,870
1946	06-25-46	6.25	6,900				

* DENOTES ANNUAL PEAK GAGE HEIGHT OCCURRED AT A TIME DIFFERENT THAN THAT OF PEAK DISCHARGE

TABLE 4. ANNUAL PEAK DATA AT GAGING STATIONS -- Continued.

STATION NO. - 05334100

DRAINAGE AREA - 1.04 SQ MI

STATION NAME - SAWYER CREEK NEAR SHELL LAKE, WIS

GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1960	04-26-60	11.61	53	1970	-----	---	<20
1961	03-27-61	11.59	52	1971	04-10-71	12.17	68
1962	-----	---	<20	1972	04-17-72	12.48	75
1963	03-25-63	10.63	28	1973	03-11-73	10.82	32
1964	07-28-64	10.81	32	1974	04-09-74	10.63	28
1965	04-11-65	13.11	97	1975	04-23-75	10.49	25
1966	03-31-66	10.63	28	1976	03-30-76	12.21	70
1967	03-30-67	13.19	100	1977	07-04-77	11.21	40
1968	06-30-68	12.81	88	1978	04-09-78	10.35	22
1969	04-05-69	11.32	45				

STATION NO. - 05335380

DRAINAGE AREA - 24.9 SQ MI

STATION NAME - BASHAW BROOK NEAR SHELL LAKE, WIS

GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1959	04-00-59	11.32	50	1969	04-07-69	12.82	115
1960	03-30-60	13.35	172	1970	04-07-70	10.43	24
1961	05-14-61	12.36	89	1971	04-10-71	12.91	130
1962	05-19-62	11.72	64	1972	07-23-72	11.14	44
1963	03-25-63	12.06	77	1973	03-13-73	13.32	160
1964	05-08-64	11.43	53	1974	06-10-74	12.41	92
1965	04-11-65	14.90	600	1975	06-14-75	11.85	68
1966	03-04-66	13.13	132	1976	03-30-76	12.66	105
1967	03-30-67	13.93	273	1977	09-25-77	10.57	28
1968	09-23-68	12.54	98	1978	04-10-78	11.99	74

STATION NO. - 05336000

DRAINAGE AREA - 2,820 SQ MI

STATION NAME - ST. CROIX RIVER NEAR GRANTSBURG, WIS.

GAGE DATUM - 848.98 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1923	04-24-23	7.65	5,920	1947	04-15-47	8.30	7,060
1924	05-13-24	8.25	7,000	1948	03-29-48	9.56	8,700
1925	03-27-25	7.9	6,460	1949	05-08-49	11.44	13,400
1926	09-20-26	6.68	4,180	1950	05-07-50	15.06	26,300
1927	03-18-27	11.4	13,300	1951	04-15-51	11.78	14,500
1928	04-01-28	9.05	8,500	1952	07-22-52	13.2	19,000
1929	04-01-29	8.64	7,740	1953	05-23-53	12.42	16,300
1930	06-07-30	7.70	5,850	1954	05-03-54	13.81	21,100
1931	06-25-31	8.7	7,560	1955	04-03-55	9.64	9,660
1932	04-10-32	9.06	8,280	1956	04-06-56	11.31	12,600
1933	04-02-33	7.06	4,890	1957	06-25-57	9.92	10,000
1934	04-09-34	7.84	6,020	1958	07-03-58	13.00	18,300
1935	03-24-35	11.24	12,600	1959	06-02-59	8.57	7,550
1936	04-13-36	11.42	13,300	1960	04-16-60	* 8.70	7,770
1937	04-16-37	8.20	6,730	1961	05-17-61	12.48	16,500
1938	05-08-38	11.08	12,600	1962	05-26-62	10.75	11,500
1939	03-30-39	* 10.5	10,500	1963	03-31-63	7.37	5,360
1940	04-10-40	9.13	7,830	1964	05-08-64	10.88	11,800
1941	09-17-41	11.67	12,700	1965	04-18-65	* 12.64	16,800
1942	05-04-42	9.08	7,850	1966	03-20-66	* ---	11,700
1943	06-04-43	* 10.2	9,800	1967	04-02-67	11.92	14,700
1944	06-07-44	12.79	15,900	1968	07-17-68	9.82	9,320
1945	03-20-45	12.19	14,400	1969	04-12-69	12.07	15,100
1946	06-27-46	12.51	15,100	1970	04-25-70	8.80	7,550

* DENOTES ANNUAL PEAK GAGE HEIGHT OCCURRED AT A TIME DIFFERENT THAN THAT OF PEAK DISCHARGE

TABLE 4. ANNUAL PEAK DATA AT GAGING STATIONS -- Continued.

STATION NO. - 05339500

DRAINAGE AREA - 5,120 SQ MI

STATION NAME - ST. CROIX RIVER NEAR RUSH CITY, MINN.

GAGE DATUM - 772.47 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1923	04-24-23	5.4	8,300	1943	06-03-43	12.00	26,000
1924	05-14-24	6.3	9,320	1944	06-07-44	15.3	38,900
1925	04-25-25	4.6	5,700	1945	03-20-45	15.0	37,600
1926	09-20-26	4.5	4,780	1946	06-27-46	13.24	30,500
1927	03-17-27	10.3	20,300	1947	04-14-47	8.56	15,300
1928	03-27-28	9.9	19,100	1948	04-08-48	8.62	15,300
1929	03-30-29	7.6	12,700	1949	05-08-49	10.46	20,900
1930	05-15-30	8.36	15,900	1950	05-08-50	19.04	60,600
1931	06-25-31	8.40	15,400	1951	04-14-51	14.50	35,100
1932	04-09-32	8.2	14,600	1952	07-22-52	16.10	43,100
1933	05-03-33	4.44	5,610	1953	06-22-53	12.25	26,700
1934	04-09-34	5.78	8,740	1954	05-03-54	16.22	43,700
1935	03-25-35	10.66	21,400	1955	04-03-55	9.70	18,500
1936	04-14-36	12.44	27,700	1956	04-07-56	12.28	28,100
1937	04-16-37	7.18	11,700	1957	04-01-57	11.38	23,000
1938	05-08-38	11.60	24,600	1958	07-04-58	12.03	27,200
1939	04-01-39	11.2	23,200	1959	06-02-59	7.61	13,200
1940	04-12-40	10.12	19,700	1960	04-16-60	6.83	11,100
1941	04-10-41	11.49	24,200	1961	05-17-61	11.31	24,700
1942	05-16-42	8.96	16,400				

STATION NO. - 05340300

DRAINAGE AREA - 6.34 SQ MI

STATION NAME - TRADE RIVER NEAR FREDERIC, WIS

GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1958	07-09-58	10.26	45	1969	04-09-69	11.04	85
1959	07-08-59	11.67	123	1970	04-07-70	11.84	135
1960	08-28-60	17.85	750	1971	04-10-71	11.80	130
1961	03-27-61	11.44	110	1972	07-22-72	13.02	210
1962	05-19-62	10.94	78	1973	03-11-73	11.15	90
1963	08-12-63	10.40	50	1974	04-12-74	11.88	135
1964	05-05-64	10.26	45	1975	04-23-75	11.60	120
1965	05-06-65	11.68	124	1976	03-30-76	11.48	110
1966	03-29-66	11.86	130	1977	03-12-77	11.97	145
1967	03-30-67	13.25	223	1978	07-02-78	11.60	120
1968	07-13-68	15.12	330				

STATION NO. - 05340500

DRAINAGE AREA - 5,930 SQ MI

STATION NAME - ST. CROIX RIVER AT ST. CROIX FALLS, WIS.

GAGE DATUM - 689.94 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1902	07-10-02	---	12,900	1943	06-04-43	13.42	28,500
1903	04-12-03	---	20,200	1944	06-07-44	17.20	37,100
1904	10-12-03	---	23,600	1945	03-20-45	20.53	44,600
1905	10-22-04	---	18,700	1946	06-27-46	16.50	35,500
1910	03-21-10	---	9,870	1947	04-14-47	8.90	18,400
1911	05-23-11	---	7,500	1948	04-10-48	8.93	18,500
1912	05-06-12	---	33,500	1949	05-08-49	11.26	23,800
1913	05-22-13	---	8,980	1950	05-08-50	25.19	54,900
1914	06-29-14	---	15,300	1951	04-15-51	15.70	33,700
1915	06-22-15	---	15,100	1952	07-23-52	19.80	43,000
1916	04-23-16	---	35,100	1953	05-24-53	15.20	32,600
1917	04-05-17	---	17,700	1954	05-04-54	20.40	44,400
1918	06-03-18	---	10,100	1955	04-04-55	10.48	22,000
1919	04-12-19	---	14,900	1956	04-07-56	14.77	31,600
1920	03-26-20	---	35,800	1957	06-24-57	12.19	25,800
1921	04-09-21	---	11,500	1958	07-04-58	13.25	28,200
1922	04-10-22	---	18,600	1959	06-03-59	7.16	14,500
1923	04-28-23	---	8,880	1960	04-03-60	8.13	16,700
1924	05-15-24	---	9,800	1961	05-18-61	12.95	27,500

TABLE 4. ANNUAL PEAK DATA AT GAGING STATIONS -- Continued.

STATION NO. - 05340500

Continued from previous page

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1925	04-26-25	---	5,860	1962	05-26-62	14.12	30,100
1926	09-22-26	---	6,140	1963	03-30-63	5.40	10,500
1927	03-18-27	---	27,600	1964	05-09-64	13.05	27,700
1928	03-30-28	---	21,800	1965	04-18-65	20.98	45,700
1929	04-01-29	---	16,900	1966	03-18-66	16.53	35,600
1930	05-16-30	---	17,500	1967	04-02-67	15.64	33,600
1931	06-26-31	---	16,600	1968	06-24-68	9.49	19,700
1932	04-10-32	---	18,500	1969	04-13-69	19.19	41,600
1933	05-04-33	---	7,060	1970	04-27-70	9.61	20,000
1934	04-12-34	---	12,100	1971	04-14-71	16.00	34,400
1935	03-25-35	---	26,400	1972	07-25-72	20.09	43,700
1936	04-15-36	---	31,000	1973	03-18-73	11.89	25,100
1937	04-15-37	---	12,500	1974	06-13-74	12.29	26,000
1938	05-09-38	---	30,000	1975	04-25-75	15.94	34,200
1939	03-31-39	---	24,800	1976	04-03-76	25.19	35,600
1940	05-18-40	7.12	14,300	1977	09-26-77	7.63	15,600
1941	04-08-41	13.88	29,600	1978	04-09-78	12.58	26,700
1942	05-16-42	8.97	18,600				

STATION NO. - 05341500

DRAINAGE AREA - 555 SQ MI

STATION NAME - APPLE RIVER NEAR SOMERSET, WIS.

GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1905	06- -05	---	2,280	1938	09-12-38	---	2,160
1906	05- -06	---	2,250	1939	03-26-39	---	1,570
1907	03- -07	---	1,640	1940	04-09-40	---	1,010
1908	05- -08	---	1,380	1941	04-04-41	---	1,400
1909	06- -09	---	1,060	1942	06-09-42	---	1,020
1910	12- -09	---	603	1943	06-17-43	---	2,460
1911	04-20-11	---	540	1944	06-07-44	---	1,930
1912	05-24-12	---	930	1945	03-18-45	---	1,890
1913	04-03-13	---	990	1946	06-27-46	---	1,870
1914	06-29-14	---	870	1947	04-13-47	---	1,150
1915	04-07-15	---	824	1948	03-28-48	---	1,780
1916	04-23-16	---	1,800	1949	03-29-49	---	942
1917	04-06-17	---	966	1950	04-03-50	---	1,290
1918	06-03-18	---	1,160	1951	04-14-51	---	1,930
1919	04-12-19	---	1,120	1952	04-10-52	---	2,380
1920	03-26-20	---	1,370	1953	03-23-53	---	1,300
1921	03-29-21	---	671	1954	05-05-54	---	2,200
1922	04-11-22	---	1,420	1955	04-07-55	---	760
1923	04-14-23	---	1,060	1956	04-08-56	---	1,540
1924	04-08-24	---	537	1957	03-25-57	---	890
1925	03-24-25	---	598	1958	04-10-58	---	703
1926	03-25-26	---	932	1959	09-03-59	---	495
1927	03-18-27	---	982	1960	05-27-60	---	1,060
1928	03-27-28	---	1,160	1961	03-31-61	---	981
1929	03-20-29	---	1,140	1962	09-13-62	---	1,400
1930	02-26-30	---	919	1963	05-15-63	---	1,040
1931	11-21-30	---	381	1964	04-20-64	---	860
1932	04-08-32	---	1,220	1965	04-13-65	---	2,510
1933	04-01-33	---	1,300	1966	03-20-66	---	1,060
1934	04-05-34	---	1,670	1967	04-02-67	---	1,920
1935	03-24-35	---	814	1968	09-26-68	---	890
1936	04-12-36	---	1,690	1969	04-13-69	---	1,330
1937	05-27-37	---	558	1970	06-03-70	---	1,040

TABLE 4. ANNUAL PEAK DATA AT GAGING STATIONS -- Continued.

STATION NO. - 05341700
DRAINAGE AREA - 1.40 SQ MI

STATION NAME - WILLOW RIVER TRIBUTARY NEAR NEW RICHMOND, WIS
GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1959	03-00-59	10.54	4	1969	04-07-69	11.12	15
1960	08-28-60	12.20	92	1970	04-06-70	11.86	66
1961	09-08-61	11.78	62	1971	08-18-71	12.86	100
1962	08-23-62	11.88	70	1972	07-22-72	11.40	32
1963	08-02-63	11.34	25	1973	03-11-73	11.84	65
1964	05-23-64	10.69	6	1974	04-05-74	11.71	55
1965	07-01-65	12.26	96	1975	06-12-75	12.13	86
1966	06-06-66	11.95	74	1976	03-30-76	11.19	17
1967	03-29-67	12.72	70	1977	03-12-77	12.04	30
1968	09-23-68	11.80	64	1978	07-02-78	12.50	112

STATION NO. - 05341900
DRAINAGE AREA - 7.26 SQ MI

STATION NAME - KINNICKINNIC RIVER TRIBUTARY AT RIVER FALLS,
GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1959	07-08-59	11.98	580	1969	-----	---	<40
1960	05-20-60	10.46	80	1970	07-18-70	10.49	80
1961	03-27-61	10.92	160	1971	08-18-71	11.56	380
1962	07-02-62	10.72	105	1972	07-22-72	11.56	380
1963	05-10-63	10.67	100	1973	03-14-73	11.25	270
1964	-----	---	<40	1974	04-05-74	12.08	620
1965	06-01-65	15.06	3,420	1975	06-12-75	13.93	2,000
1966	03-04-66	11.83	500	1976	03-19-76	11.78	480
1967	03-27-67	11.04	200	1977	08-31-77	13.62	1,700
1968	09-22-68	11.74	460	1978	07-02-78	15.95	5,100

STATION NO. - 05346600
DRAINAGE AREA - 19.9 SQ MI

STATION NAME - LITTLE TRIMBELLE CREEK NEAR BAY CITY, WIS.
GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1961	03-27-61	10.84	470	1970	-----	---	<220
1962	03-28-62	11.60	810	1971	-----	---	<220
1963	03-25-63	10.84	470	1972	-----	---	<220
1964	03-13-64	10.47	350	1973	09-26-73	10.73	430
1965	04-07-65	12.74	1,700	1974	04-05-74	11.00	530
1966	03-04-66	12.84	1,780	1975	-----	---	<220
1967	03-28-67	12.60	1,550	1976	03-19-76	11.01	540
1968	05-15-68	13.29	2,300	1977	08-31-77	11.14	595
1969	07-08-69	10.71	425	1978	07-02-78	13.93	3,100

TABLE 4. ANNUAL PEAK DATA AT GAGING STATIONS -- Continued.

STATION NO. - 05356000

DRAINAGE AREA - 787 SQ MI

STATION NAME - CHIPPEWA RIVER AT BISHOPS BRIDGE, NR WINTER,

GAGE DATUM - 1,270.00 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1912	05-06-12	---	2,820	1946	06-29-46	10.70	# 7,220
1913	04-11-13	---	4,410	1947	06-17-47	6.52	# 2,030
1914	05-03-14	7.7	3,280	1948	10-27-47	5.41	# 919
1915	06-09-15	7.7	3,680	1949	11-13-48	5.16	# 722
1916	04-22-16	9.6	7,020	1950	05-11-50	10.07	# 6,650
1917	04-21-17	7.4	3,260	1951	07-09-51	7.89	# 3,620
1918	06-01-18	7.3	3,120	1952	07-22-52	7.72	# 3,340
1919	04-15-19	7.35	3,190	1953	07-06-53	8.18	# 4,070
1920	03-31-20	7.7	3,680	1954	05-04-54	10.25	# 6,800
1921	04-30-21	7.2	2,980	1955	10-15-54	7.02	# 2,490
1922	04-42-22	9.3	6,420	1956	10-04-55	5.67	# 1,100
1923	08-15-23	7.75	# 3,750	1957	10-01-56	5.34	# 818
1924	09-14-24	6.7	# 2,310	1958	07-09-58	7.84	# 3,480
1925	02-14-25	6.3	# 1,800	1959	09-01-59	7.35	# 2,890
1926	09-20-26	8.5	# 4,920	1960	09-03-60	8.52	# 4,630
1927	11-16-26	7.6	# 3,360	1961	05-23-61	6.29	# 1,670
1928	09-17-28	7.9	# 3,810	1962	09-11-62	7.01	# 2,480
1929	10-18-28	7.9	# 3,810	1963	11-06-62	* 5.82	# 1,240
1930	11-29-29	6.4	# 1,870	1964	11-25-63	5.64	# 1,080
1931	12-12-30	5.95	# 1,450	1965	05-19-65	7.35	# 2,890
1932	12- -31	5.80	# 1,250	1966	04-28-66	7.46	# 2,940
1933	11- -32	5.20	# 746	1967	06-18-67	9.92	# 6,460
1934	08-03-34	5.30	# 819	1968	06-21-68	8.63	# 4,780
1935	01-18-35	6.30	# 1,780	1969	10-14-68	7.64	# 3,190
1936	05-14-36	7.00	# 2,600	1970	12-02-69	6.24	# 1,610
1937	11-20-36	5.75	# 1,200	1971	02-16-71	7.66	# 3,290
1938	05-05-38	7.83	# 3,650	1972	08-21-72	9.61	# 5,930
1939	06-15-39	8.55	# 4,660	1973	11-10-72	7.50	# 2,990
1940	09-05-40	6.75	# 2,050	1974	10-11-73	7.76	# 3,390
1941	09-04-41	11.05	# 7,520	1975	11-11-74	6.19	# 1,620
1942	06-06-42	7.56	# 3,260	1976	04-01-76	7.80	# 3,450
1943	06-15-43	8.19	# 4,130	1977	09-25-77	8.10	# 3,920
1944	06-08-44	8.85	# 5,060	1978	08-29-78	8.58	# 4,700
1945	06-16-45	7.70	# 3,340				

STATION NO. - 05356200

DRAINAGE AREA - 7.5 SQ MI

STATION NAME - KENYON CREEK NEAR RADISSON, WIS

GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1960	04-26-60	11.07	105	1970	05-30-70	11.66	225
1961	04-17-61	11.35	130	1971	04-08-71	12.20	242
1962	05-19-62	10.95	95	1972	04-18-72	11.81	192
1963	-----	---	<50	1973	03-11-73	12.45	276
1964	09-02-64	10.41	60	1974	04-05-74	12.06	222
1965	04-14-65	12.42	280	1975	08-19-75	12.23	246
1966	04-20-66	10.93	100	1976	03-24-76	11.73	182
1967	03-31-67	12.85	330	1977	08-31-77	10.62	75
1968	07-14-68	12.14	235	1978	07-06-78	13.05	360
1969	04-07-69	11.19	130				

* DENOTES ANNUAL PEAK GAGE HEIGHT OCCURRED AT A TIME DIFFERENT THAN THAT OF PEAK DISCHARGE

DENOTES ANNUAL PEAK DISCHARGE AFFECTED BY KNOWN REGULATION OR DIVERSION

TABLE 4. ANNUAL PEAK DATA AT GAGING STATIONS -- Continued.

STATION NO. - 05356500
DRAINAGE AREA - 1,630 SQ MI

STATION NAME - CHIPPEWA RIVER NEAR BRUCE, WIS.
GAGE DATUM - 1,059.62 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1914	04-30-14	---	8,720	1947	06-05-47	7.60	# 5,410
1915	05-18-15	---	6,000	1948	03-27-48	8.09	# 5,960
1916	04-22-16	---	13,600	1949	05-06-49	9.27	# 7,360
1917	04-21-17	---	7,240	1950	04-18-50	12.70	# 11,900
1918	06-02-18	---	9,520	1951	04-12-51	13.06	# 12,500
1919	04-11-19	---	8,680	1952	04-09-52	11.11	# 9,630
1920	03-27-20	---	14,100	1953	05-22-53	14.44	# 14,500
1921	04-29-21	---	8,780	1954	05-02-54	17.0	# 19,400
1922	04-10-22	---	15,100	1955	10-16-54	8.72	# 6,660
1923	04-21-23	---	# 9,060	1956	04-06-56	12.72	# 11,900
1924	04-26-24	---	# 11,300	1957	06-23-57	6.82	# 4,620
1925	03-28-25	---	# 3,620	1958	07-02-58	11.00	# 9,500
1926	09-19-26	---	# 12,900	1959	07-09-59	8.82	# 6,780
1927	03-17-27	---	# 11,000	1960	08-29-60	12.41	# 11,500
1928	03-27-28	---	# 8,080	1961	05-16-61	9.50	# 7,600
1929	10-19-28	---	# 6,920	1962	05-20-62	7.94	# 5,980
1930	06-14-30	---	# 3,380	1963	03-31-63	* 5.73	# 3,700
1931	06-11-31	---	# 3,480	1964	04-22-64	* 6.40	# 4,350
1932	04-08-32	---	# 7,950	1965	04-15-65	15.19	# 12,300
1933	04-01-33	---	# 4,470	1966	03-18-66	10.16	# 8,510
1934	04-06-34	---	# 7,950	1967	04-01-67	17.48	# 19,000
1935	03-24-35	---	# 13,800	1968	07-01-68	13.37	# 13,100
1936	04-12-36	13.00	# 12,100	1969	04-10-69	10.83	# 9,810
1937	04-22-37	8.38	# 5,890	1970	06-01-70	11.00	# 10,400
1938	05-06-38	12.94	# 12,000	1971	04-10-71	13.62	# 15,200
1939	03-27-39	13.18	# 12,400	1972	04-18-72	9.47	# 8,220
1940	04-10-40	9.15	# 7,040	1973	03-15-73	14.94	# 17,100
1941	09-01-41	20.46	# 25,800	1974	04-14-74	10.54	# 9,770
1942	05-31-42	11.52	# 10,200	1975	04-19-75	10.14	# 9,170
1943	06-28-43	15.84	# 17,000	1976	03-30-76	12.23	12,500
1944	04-25-44	9.82	# 7,990	1977	09-26-77	11.29	10,900
1945	06-03-45	14.04	# 13,900	1978	07-06-78	8.88	# 7,470
1946	06-28-46	12.12	# 11,000				

STATION NO. - 05357360
DRAINAGE AREA - 118 SQ MI

STATION NAME - BEAR RIVER NEAR POWELL, WIS.
GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1970	04-13-70	11.35	270	1975	04-23-75	10.95	205
1971	04-12-71	12.75	700	1976	05-29-76	12.53	605
1972	08-18-72	12.65	560	1977	08-31-77	11.14	235
1973	05-02-73	12.82	625	1978	08-22-78	12.79	715
1974	04-12-74	11.54	305				

STATION NO. - 05357390
DRAINAGE AREA - 5.86 SQ MI

STATION NAME - WEBER CREEK NEAR MERCER, WIS.
GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1970	05-30-70	12.48	234	1975	04-23-75	11.66	112
1971	04-11-71	11.86	134	1976	04-07-76	12.10	140
1972	08-17-72	12.65	270	1977	08-31-77	10.52	43
1973	05-02-73	10.94	65	1978	08-22-78	12.22	185
1974	04-13-74	11.75	122				

* DENOTES ANNUAL PEAK GAGE HEIGHT OCCURRED AT A TIME DIFFERENT THAN THAT OF PEAK DISCHARGE
DENOTES ANNUAL PEAK DISCHARGE AFFECTED BY KNOWN REGULATION OR DIVERSION

TABLE 4. ANNUAL PEAK DATA AT GAGING STATIONS -- Continued.

STATION NO. - 05357500

STATION NAME - FLAMBEAU RIVER AT FLAMBEAU FLOWAGE, WIS.

DRAINAGE AREA - 666 SQ MI

GAGE DATUM - 1540.0 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1928	02-14-28	5.8	# 1,410	1945	06-08-45	6.75	# 2,000
1929	10-21-28	6.76	# 2,140	1946	07-25-46	5.22	# 964
1930	08-14-30	4.75	# 714	1947	06-11-47	6.29	# 1,760
1931	10-04-30	4.58	# 616	1948	05-24-48	4.64	# 585
1932	02-03-32	4.80	# 727	1949	07-06-49	5.67	# 1,250
1933	10-01-32	4.75	# 643	1950	05-21-50	6.08	# 1,580
1934	05-26-34	4.52	# 565	1951	06-28-51	7.32	# 2,460
1935	07-07-35	7.00	# 2,300	1952	07-22-52	8.40	# 3,440
1936	05-08-36	7.37	# 2,600	1953	07-02-53	7.10	# 2,200
1937	09-17-37	4.68	# 630	1954	05-03-54	8.38	# 3,420
1938	06-04-38	7.28	# 2,520	1955	10-21-54	6.71	# 1,910
1939	05-28-39	8.39	# 3,440	1956	02-13-56	5.65	# 1,180
1940	06-05-40	6.31	# 1,740	1957	03-20-57	5.01	# 761
1941	10-01-40	5.28	# 1,030	1958	02-13-58	5.00	# 755
1942	07-22-42	8.25	# 3,260	1959	03-04-59	4.95	# 724
1943	06-15-43	7.92	# 3,000	1960	10-31-59	6.99	# 2,190
1944	06-12-44	6.89	# 2,200	1961	10-01-60	6.14	# 1,530

STATION NO. - 05358000

STATION NAME - FLAMBEAU RIVER NEAR BUTTERNUT, WIS.

DRAINAGE AREA - 737 SQ MI

GAGE DATUM - 1,500.00 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1915	06-10-15	6.20	# 2,840	1927	07-17-27	5.2	# 2,160
1916	04-22-16	9.1	# 5,530	1928	05-05-28	4.6	# 1,830
1917	04-26-17	4.2	# 1,500	1929	10-22-28	5.7	# 2,580
1918	06-03-18	4.55	# 1,720	1930	11-02-29	2.7	# 808
1919	07-07-19	6.25	# 2,880	1931	10-11-30	2.7	# 808
1920	06-12-20	6.50	# 3,080	1932	06-11-32	2.85	# 855
1921	04-08-21	5.80	# 2,560	1933	04-19-33	2.6	# 762
1922	04-09-22	7.16	# 3,620	1934	06-26-34	2.8	# 808
1923	04-25-23	6.9	# 3,400	1935	07-07-35	5.7	# 2,510
1924	05-14-24	5.25	# 2,180	1936	05-09-36	6.5	# 3,370
1925	04-25-25	3.15	# 962	1937	09-02-37	2.95	# 855
1926	07-10-26	3.60	# 1,170	1938	06-06-38	6.10	# 2,960

STATION NO. - 05358100

STATION NAME - SMITH CREEK NEAR PARK FALLS, WIS.

DRAINAGE AREA - 9.11 SQ MI

GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1970	05-30-70	13.68	270	1975	04-24-75	12.90	200
1971	04-12-71	12.90	200	1976	03-26-76	12.14	135
1972	04-17-72	14.26	320	1977	08-27-77	12.18	140
1973	05-02-73	12.72	184	1978	08-22-78	12.35	152
1974	04-12-74	12.13	134				

DENOTES ANNUAL PEAK DISCHARGE AFFECTED BY KNOWN REGULATION OR DIVERSION

TABLE 4. ANNUAL PEAK DATA AT GAGING STATIONS -- Continued.

STATION NO. - 05358500
DRAINAGE AREA - 1,000 SQ MI

STATION NAME - FLAMBEAU RIVER AT BABBS ISLAND, NEAR WINTER,
GAGE DATUM - 1,330.00 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1930	05-18-30	---	# 1,170	1953	05-22-53	7.26	# 6,890
1931	06-27-31	---	# 2,010	1954	05-01-54	6.70	# 6,170
1932	04-13-32	---	# 1,550	1955	04-03-55	4.93	# 3,600
1933	04-20-33	---	# 2,010	1956	04-08-56	* 4.66	# 3,700
1934	09-26-34	---	# 2,550	1957	04-21-57	* 3.12	# 1,960
1935	07-03-35	4.98	# 4,200	1958	07-02-58	5.99	# 5,310
1936	04-16-36	5.47	# 4,900	1959	09-07-59	4.89	# 3,740
1937	04-25-37	3.19	# 1,870	1960	04-24-60	5.18	# 4,330
1938	05-07-38	5.49	# 4,900	1961	05-15-61	4.19	# 3,130
1939	06-12-39	6.52	# 6,400	1962	05-19-62	* 2.98	# 1,830
1940	06-07-40	* 4.04	# 2,960	1963	03-31-63	* 3.15	# 1,980
1941	09-01-41	7.08	# 7,250	1964	04-13-64	3.54	# 2,370
1942	06-13-42	* 4.80	# 3,920	1965	04-17-65	6.03	# 5,360
1943	06-17-43	7.67	# 7,380	1966	03-18-66	7.01	# 5,000
1944	06-06-44	6.18	# 5,560	1967	04-02-67	8.58	# 8,540
1945	06-03-45	5.74	# 4,960	1968	07-01-68	5.79	# 5,070
1946	06-25-46	9.45	# 9,440	1969	04-10-69	4.78	# 3,800
1947	04-06-47	5.70	# 3,000	1970	06-01-70	6.53	# 5,970
1948	03-27-48	* ---	# 2,200	1971	04-10-71	5.41	# 4,600
1949	07-06-49	7.34	# 6,770	1972	08-18-72	6.40	# 5,680
1950	04-19-50	6.64	# 6,050	1973	03-16-73	* 6.29	# 5,440
1951	04-11-51	5.77	# 5,080	1974	04-22-74	* 4.28	# 3,240
1952	07-23-52	6.52	# 5,930	1975	04-24-75	5.62	# 4,860

STATION NO. - 05359200
DRAINAGE AREA - .86 SQ MI

STATION NAME - S FK FLAMBEAU R TRIB NR PARK FALLS, WIS
GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1960	04-24-60	11.32	35	1970	-----	---	<15
1961	03-27-61	11.02	44	1971	04-11-71	10.30	22
1962	-----	---	<12	1972	08-17-72	11.16	62
1963	-----	---	<12	1973	03-11-73	10.53	32
1964	05-08-64	10.23	18	1974	04-12-74	11.26	68
1965	-----	---	<12	1975	-----	---	<15
1966	-----	---	<15	1976	03-26-76	10.90	50
1967	03-30-67	11.13	42	1977	-----	---	<15
1969	07-15-69	10.47	30	1978	06-14-78	11.34	72

STATION NO. - 05359500
DRAINAGE AREA - 615 SQ MI

STATION NAME - SOUTH FORK FLAMBEAU RIVER NEAR PHILLIPS, WIS.
GAGE DATUM - 1,360.00 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1930	06-15-30	9.4	3,180	1953	05-22-53	9.30	3,020
1931	06-22-31	10.1	3,820	1954	05-03-54	12.4	6,230
1932	04-11-32	10.7	4,380	1955	10-16-54	10.50	4,240
1933	04-16-33	9.4	3,180	1956	04-08-56	9.6	3,250
1934	04-10-34	13.6	8,680	1957	04-21-57	8.1	1,900
1935	03-21-35	---	5,000	1958	07-03-58	11.20	5,070
1936	04-16-36	12.1	5,780	1959	09-23-59	11.66	5,420
1937	04-16-37	9.3	2,870	1960	08-30-60	10.30	4,020
1938	06-02-38	10.7	4,400	1961	05-17-61	9.81	3,480
1939	03-27-39	10.9	4,600	1962	05-24-62	8.55	2,260
1940	05-22-40	9.4	3,100	1963	04-03-63	7.92	1,760
1941	08-31-41	12.0	5,630	1964	05-10-64	8.45	2,180
1942	06-01-42	9.2	2,930	1965	04-19-65	11.64	5,690
1943	06-18-43	14.32	10,200	1966	03-23-66	9.90	3,580
1944	06-07-44	10.8	4,500	1967	04-02-67	12.45	6,900
1945	06-03-45	11.36	5,140	1968	06-22-68	10.62	4,370
1946	06-26-46	13.0	7,460	1969	04-12-69	11.09	4,930
1947	04-07-47	9.5	3,210	1970	05-31-70	9.62	3,350
1948	04-27-48	7.4	1,480	1971	04-13-71	11.77	5,880
1949	07-06-49	10.9	4,600	1972	04-20-72	11.34	5,260
1950	04-19-50	11.7	5,490	1973	03-16-73	11.52	5,510
1951	04-12-51	11.88	5,750	1974	06-11-74	9.83	3,560
1952	04-20-52	11.29	5,030	1975	04-24-75	10.97	4,780

* DENOTES ANNUAL PEAK GAGE HEIGHT OCCURRED AT A TIME DIFFERENT THAN THAT OF PEAK DISCHARGE
DENOTES ANNUAL PEAK DISCHARGE AFFECTED BY KNOWN REGULATION OR DIVERSION

TABLE 4. ANNUAL PEAK DATA AT GAGING STATIONS -- Continued.

STATION NO. - 05359600
DRAINAGE AREA - 16.9 SQ MI

STATION NAME - PRICE CREEK NEAR PHILLIPS, WIS
GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1958	07-02-58	13.79	235	1969	04-10-69	11.91	125
1959	09-22-59	15.78	400	1970	06-01-70	12.23	142
1960	04-24-60	12.66	165	1971	04-12-71	12.92	183
1961	05-15-61	11.18	90	1972	04-18-72	12.79	175
1962	05-19-62	10.71	70	1973	03-12-73	12.49	155
1963	06-10-63	11.34	98	1974	04-21-74	11.80	120
1964	05-08-64	10.65	70	1975	04-26-75	13.11	190
1965	04-19-65	12.72	178	1976	04-07-76	13.69	225
1966	03-18-66	11.35	112	1977	09-01-77	12.56	160
1967	03-31-67	11.54	120	1978	08-02-78	12.00	130
1968	06-20-68	12.02	130				

STATION NO. - 05360000
DRAINAGE AREA - 1,820 SQ MI

STATION NAME - FLAMBEAU RIVER NEAR LADYSMITH, WIS.
GAGE DATUM - 1,150.28 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1903	05-28-03	---	13,500	1936	04-15-36	---	# 10,900
1904	07-04-04	---	9,270	1937	04-14-37	---	# 5,460
1905	06-07-05	---	9,000	1938	06-02-38	---	# 10,000
1906	04-15-06	---	11,000	1939	11-06-38	---	# 9,900
1914	04-29-14	---	12,200	1940	05-21-40	---	# 5,490
1915	05-18-15	---	11,000	1941	08-31-41	---	# 17,900
1916	04-23-16	---	18,100	1942	10-08-41	---	# 6,000
1917	06-08-17	---	8,400	1943	06-17-43	---	# 17,800
1918	06-01-18	---	10,400	1944	06-06-44	---	# 10,200
1919	04-12-19	---	10,100	1945	06-02-45	* ---	# 13,500
1920	03-31-20	---	12,000	1946	06-25-46	---	# 18,600
1921	04-30-21	---	7,880	1947	10-28-46	* ---	# 6,550
1922	04-11-22	---	20,200	1948	04-28-48	* ---	# 4,440
1923	04-23-23	---	13,200	1949	07-06-49	---	# 14,100
1924	04-18-24	---	9,520	1950	04-20-50	---	# 13,000
1925	04-27-25	---	4,140	1951	04-12-51	---	# 14,200
1926	09-19-26	---	# 8,860	1952	04-23-52	---	# 10,600
1927	03-18-27	---	# 8,350	1953	05-22-53	---	# 10,600
1928	04-06-28	---	# 8,120	1954	05-02-54	---	# 13,700
1929	04-07-29	---	# 7,240	1955	10-16-54	---	# 7,100
1930	06-15-30	---	# 5,710	1956	04-08-56	---	# 6,370
1931	06-22-31	---	# 5,440	1957	04-21-57	---	# 4,110
1932	04-10-32	---	# 7,460	1958	07-02-58	---	# 10,700
1933	04-20-33	---	# 5,140	1959	09-23-59	---	# 9,520
1934	04-09-34	---	# 7,080	1960	04-25-60	---	# 8,050
1935	03-27-35	---	# 8,160	1961	05-16-61	---	# 7,270

STATION NO. - 05360200
DRAINAGE AREA - SQ MI

STATION NAME - FLAMBEAU RIVER TRIBUTARY AT LADYSMITH, WIS
GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1960	08-28-60	11.19	14	1970	04-07-70	11.94	29
1961	03-27-61	11.30	15	1971	04-08-71	12.20	35
1962	05-19-62	10.60	9	1972	07-23-72	11.62	23
1963	05-10-63	10.87	11	1973	05-23-73	11.33	17
1964	05-08-64	10.48	8	1974	04-12-74	11.63	23
1965	05-15-65	10.60	9	1975	04-24-75	11.26	15
1966	06-12-66	10.63	9	1976	03-24-76	11.48	20
1967	06-14-67	11.14	13	1977	05-20-77	12.64	48
1968	06-30-68	11.26	15	1978	04-06-78	12.06	32
1969	04-10-69	10.56	8				

* DENOTES ANNUAL PEAK GAGE HEIGHT OCCURRED AT A TIME DIFFERENT THAN THAT OF PEAK DISCHARGE
DENOTES ANNUAL PEAK DISCHARGE AFFECTED BY KNOWN REGULATION OR DIVERSION

TABLE 4. ANNUAL PEAK DATA AT GAGING STATIONS -- Continued.

STATION NO. - 05360500
DRAINAGE AREA - 1,900 SQ MI

STATION NAME - FLAMBEAU RIVER NEAR BRUCE, WIS.
GAGE DATUM - 1,060.00 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1952	04-23-52	8.36	# 11,000	1966	03-20-66	7.83	# 9,620
1953	05-22-53	8.82	# 12,000	1967	04-02-67	10.67	# 17,000
1954	05-01-54	10.90	# 17,400	1968	07-01-68	8.76	# 11,900
1955	10-16-54	7.33	# 8,100	1969	04-11-69	8.06	# 10,200
1956	04-10-56	6.81	# 7,170	1970	06-01-70	8.01	# 10,000
1957	04-03-57	5.65	# 4,710	1971	04-13-71	9.05	# 12,700
1958	07-02-58	9.55	# 14,000	1972	04-19-72	8.29	# 10,800
1959	09-22-59	*	# 10,600	1973	03-17-73	8.89	# 12,300
1960	06-28-60	9.41	# 13,600	1974	06-12-74	7.27	# 8,250
1961	05-15-61	7.92	# 9,830	1975	04-24-75	8.72	# 11,800
1962	05-24-62	* 5.81	# 5,030	1976	03-31-76	7.96	9,920
1963	04-01-63	* 5.60	# 4,610	1977	09-01-77	8.26	10,500
1964	09-16-64	6.07	# 5,340	1978	08-27-78	7.68	# 8,970
1965	04-20-65	8.19	# 10,500				

STATION NO. - 05361400
DRAINAGE AREA - 21.9 SQ MI

STATION NAME - HAY CREEK NEAR PRENTICE, WIS
GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1961	03-27-61	12.37	425	1970	04-07-70	11.17	240
1962	05-13-62	11.62	390	1971	04-11-71	14.40	715
1963	05-10-63	10.59	155	1972	09-26-72	13.21	720
1964	04-11-64	11.08	110	1973	03-11-73	13.73	870
1965	04-15-65	14.84	720	1974	06-09-74	12.00	400
1966	03-18-66	12.67	635	1975	04-24-75	13.30	770
1967	03-30-67	15.41	975	1976	03-24-76	12.65	570
1968	06-21-68	13.82	950	1977	04-21-77	11.00	220
1969	04-10-69	13.48	800	1978	07-26-78	11.51	320

STATION NO. - 05361420
DRAINAGE AREA - 24.6 SQ MI

STATION NAME - DOUGLAS CREEK NEAR PRENTICE, WIS.
GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1970	04-07-70	12.09	315	1975	08-28-75	11.99	280
1971	04-11-71	15.30	1,000	1976	03-24-76	13.69	625
1972	04-20-72	15.12	960	1977	04-21-77	11.99	280
1973	03-11-73	13.87	665	1978	07-26-78	13.04	480
1974	04-12-74	12.26	325				

STATION NO. - 05361500
DRAINAGE AREA - 328 SQ MI

STATION NAME - SOUTH FORK JUMP RIVER NEAR OGEMA, WIS.
GAGE DATUM - 1,300.00 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1944	05-13-44	9.4	3,600	1950	04-18-50	12.6	6,760
1945	03-19-45	11.7	6,160	1951	04-12-51	12.2	6,320
1946	06-25-46	14.56	9,020	1952	04-09-52	10.0	4,110
1947	04-07-47	9.1	3,300	1953	06-21-53	10.5	4,560
1948	03-26-48	8.6	2,850	1954	05-03-54	11.00	5,050
1949	07-07-49	9.4	3,570				

* DENOTES ANNUAL PEAK GAGE HEIGHT OCCURRED AT A TIME DIFFERENT THAN THAT OF PEAK DISCHARGE
DENOTES ANNUAL PEAK DISCHARGE AFFECTED BY KNOWN REGULATION OR DIVERSION

TABLE 4. ANNUAL PEAK DATA AT GAGING STATIONS -- Continued.

STATION NO. - 05361600

DRAINAGE AREA - 10.4 SQ MI

STATION NAME - NORTH FORK JUMP RIVER NEAR PHILLIPS, WIS.

GAGE DATUM -

FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1970	04-07-70	10.90	25	1975	08-28-75	11.70	85
1971	04-11-71	12.14	157	1976	11-10-75	12.13	155
1972	04-18-72	12.25	175	1977	04-21-77	12.16	160
1973	03-11-73	12.38	195	1978	04-06-78	11.75	93
1974	06-09-74	12.30	185				

STATION NO. - 05362000

DRAINAGE AREA - 574 SQ MI

STATION NAME - JUMP RIVER AT SHELDON, WIS.

GAGE DATUM - 1,092.75 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1916	04-22-16	9.5	8,800	1948	03-27-48	8.4	4,250
1917	04-22-17	7.0	4,200	1949	07-06-49	9.0	5,450
1918	05-27-18	9.0	7,800	1950	04-18-50	11.5	12,000
1919	04-11-19	8.4	6,660	1951	04-12-51	11.57	11,900
1920	03-26-20	11.5	15,700	1952	04-09-52	10.50	8,350
1921	03-20-21	9.0	7,800	1953	03-23-53	10.2	7,600
1922	04-10-22	9.4	8,600	1954	05-01-54	11.4	11,100
1923	04-21-23	10.7	13,300	1955	04-03-55	9.58	6,260
1924	04-25-24	8.7	7,660	1956	04-06-56	10.4	8,090
1925	06-14-25	7.0	4,200	1957	03-26-57	7.80	2,000
1926	09-19-26	8.6	7,470	1958	07-02-58	9.35	5,830
1927	03-16-27	10.1	11,500	1959	09-28-59	9.95	6,700
1928	03-26-28	9.5	9,800	1960	05-06-60	10.10	7,300
1929	03-18-29	8.7	7,720	1961	03-28-61	15.00	8,500
1930	06-14-30	9.3	9,260	1962	05-14-62	---	5,350
1931	06-21-31	7.7	5,390	1963	03-29-63	---	3,800
1932	04-08-32	9.7	10,400	1964	04-23-64	---	2,540
1933	05-02-33	8.9	8,220	1965	04-13-65	---	11,400
1934	04-08-34	8.4	6,650	1966	03-19-66	---	8,700
1935	03-23-35	9.9	10,800	1967	04-01-67	---	20,900
1936	05-07-36	9.9	10,800	1968	05-17-68	12.16	13,100
1937	04-14-37	7.4	4,490	1969	04-08-69	10.91	9,330
1938	09-10-38	10.2	11,700	1970	04-09-70	9.15	5,170
1939	11-05-38	11.28	15,200	1971	04-12-71	12.00	12,600
1940	05-21-40	8.26	6,150	1972	04-19-72	11.38	10,700
1941	08-31-41	18.8	46,000	1973	03-15-73	12.17	13,100
1942	09-18-42	12.8	14,900	1974	06-11-74	9.81	6,580
1943	06-27-43	11.7	11,000	1975	04-18-75	10.98	9,250
1944	06-05-44	10.16	6,900	1976	03-31-76	* 11.55	10,800
1945	03-19-45	9.6	6,920	1977	09-25-77	8.35	3,820
1946	06-25-46	12.9	17,200	1978	04-07-78	9.02	4,920
1947	04-06-47	9.89	7,430				

* DENOTES ANNUAL PEAK GAGE HEIGHT OCCURRED AT A TIME DIFFERENT THAN THAT OF PEAK DISCHARGE

TABLE 4. ANNUAL PEAK DATA AT GAGING STATIONS -- Continued.

STATION NO. - 05364000

DRAINAGE AREA - 351 SQ MI

STATION NAME - YELLOW RIVER AT CADOTT, WIS

GAGE DATUM - 946.54 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1943	06-28-43	12.15	15,600	1961	03-28-61	6.80	4,240
1944	05-12-44	6.2	3,560	1962	08-25-62	9.9	3,000
1945	03-19-45	6.9	4,110	1963	05-13-63	10.63	4,400
1946	03-16-46	8.6	6,670	1964	09-03-64	9.30	2,100
1947	04-06-47	6.5	3,460	1965	04-11-65	15.6	11,000
1948	03-27-48	4.7	1,410	1966	03-18-66	10.50	4,100
1949	07-06-49	5.6	2,320	1967	03-31-67	14.18	12,000
1950	04-11-50	6.9	4,050	1968	05-16-68	10.81	4,700
1951	04-08-51	8.3	6,170	1969	04-10-69	11.42	5,900
1952	04-09-52	6.6	3,600	1970	04-21-70	9.53	2,500
1953	03-23-53	7.0	4,200	1971	04-11-71	10.36	3,900
1954	06-18-54	9.8	9,050	1972	09-25-72	9.88	3,000
1955	04-15-55	8.30	6,170	1973	03-12-73	13.22	10,000
1956	04-05-56	7.1	4,350	1974	04-13-74	11.31	5,700
1957	03-26-57	* ---	651	1975	04-28-75	11.65	6,400
1958	06-05-58	9.85	10,000	1976	03-30-76	10.62	4,300
1959	07-09-59	6.80	4,240	1977	09-24-77	9.22	2,000
1960	05-07-60	6.14	3,300	1978	04-06-78	9.90	3,000

STATION NO. - 05364100

DRAINAGE AREA - 3.04 SQ MI

STATION NAME - SETH CREEK NEAR CADOTT, WIS

GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1962	03-28-62	12.76	185	1971	10-27-70	12.10	105
1963	05-13-63	13.53	300	1972	04-19-72	11.85	85
1964	04-00-64	11.11	43	1973	05-01-73	13.91	355
1965	04-10-65	13.53	300	1974	04-13-74	12.51	152
1966	12-12-65	12.82	192	1975	04-27-75	13.61	310
1967	03-30-67	13.93	355	1976	03-30-76	12.86	198
1968	05-16-68	13.59	308	1977	07-03-77	12.85	196
1969	06-25-69	13.57	305	1978	08-24-78	13.51	295
1970	05-09-70	12.19	115				

STATION NO. - 05364500

DRAINAGE AREA - 49.2 SQ MI

STATION NAME - DUNCAN CREEK AT BLOOMER, WIS

GAGE DATUM - 979.46 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1945	03-15-45	7.7	1,130	1965	04-10-65	7.37	1,020
1946	03-16-46	7.18	990	1966	02-09-66	7.18	980
1947	04-06-47	6.7	846	1967	03-31-67	9.56	1,780
1948	03-20-48	7.43	1,050	1968	05-16-68	5.83	610
1949	03-24-49	7.38	1,050	1969	04-07-69	5.93	640
1950	06-13-50	7.40	1,050	1970	06-25-70	3.69	195
1951	09-12-51	8.01	1,220	1971	04-01-71	5.20	460
1958	06-05-58	6.49	790	1972	04-18-72	4.16	265
1959	07-08-59	10.83	2,300	1973	03-11-73	8.40	1,340
1960	12-28-59	7.65	1,120	1974	04-13-74	5.26	475
1961	03-27-61	6.45	775	1975	08-28-75	5.54	540
1962	05-19-62	6.33	740	1976	03-30-76	5.12	440
1963	05-10-63	6.04	665	1977	09-24-77	5.57	540
1964	09-20-64	3.08	138	1978	04-06-78	4.88	390

* DENOTES ANNUAL PEAK GAGE HEIGHT OCCURRED AT A TIME DIFFERENT THAN THAT OF PEAK DISCHARGE

TABLE 4. ANNUAL PEAK DATA AT GAGING STATIONS -- Continued.

STATION NO. - 05365000
DRAINAGE AREA - 114 SQ MI

STATION NAME - DUNCAN CREEK AT CHIPPEWA FALLS, WIS.
GAGE DATUM - 851.61 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1934	04-03-34	15.4	---	1949	03-25-49	6.5	1,630
1943	03-31-43	8.35	3,310	1950	03-27-50	7.5	2,420
1944	02-26-44	5.6	1,040	1951	04-08-51	6.42	1,560
1945	03-16-45	7.94	2,810	1952	04-02-52	8.70	3,640
1946	03-17-46	6.5	1,560	1953	03-22-53	6.18	1,430
1947	04-06-47	6.1	1,350	1954	06-18-54	8.31	3,220
1948	03-21-48	7.1	2,080	1955	10-15-54	4.00	459

STATION NO. - 05365500
DRAINAGE AREA - 5,600 SQ MI

STATION NAME - CHIPPEWA RIVER AT CHIPPEWA FALLS, WIS.
GAGE DATUM - 798.46 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1884	09-10-84	---	---	1933	04-06-33	11.80	# 24,300
1888	07-19-88	---	25,700	1934	09-27-34	13.5	# 33,700
1889	05-14-89	---	24,200	1935	03-24-35	17.13	# 48,000
1890	04-13-90	---	27,600	1936	04-14-36	16.0	# 43,400
1891	04-24-91	---	28,000	1937	04-23-37	12.9	# 27,800
1892	05-21-92	---	38,400	1938	09-10-38	19.07	# 64,600
1893	05-13-93	---	43,400	1939	11-06-38	17.93	# 55,900
1894	05-16-94	---	59,000	1940	06-08-40	13.76	# 31,600
1895	06-13-95	---	20,500	1941	09-01-41	24.8	# 102,000
1896	04-19-96	---	43,400	1942	05-31-42	19.30	# 60,100
1897	04-02-97	---	78,800	1943	06-28-43	22.20	# 81,000
1898	05-28-98	---	19,800	1944	05-13-44	13.32	# 29,900
1899	05-06-99	---	27,400	1945	06-04-45	15.67	# 40,900
1900	09-13-00	---	50,700	1946	06-26-46	17.54	# 50,400
1901	10-05-00	---	52,800	1947	04-08-47	12.59	# 26,700
1902	04-28-02	---	24,200	1948	04-01-48	7.6	# 9,860
1903	09-16-03	---	52,100	1949	07-07-49	12.87	# 28,000
1904	05-27-04	---	33,900	1950	04-19-50	16.17	# 43,400
1905	06-06-05	---	82,000	1951	04-13-51	18.50	# 56,200
1906	04-15-06	---	40,200	1952	04-09-52	14.96	# 37,600
1907	03-30-07	---	37,800	1953	05-23-53	14.41	# 34,800
1908	04-29-08	---	28,200	1954	05-02-54	20.65	# 69,400
1909	05-18-09	---	26,600	1955	10-15-54	13.88	# 32,400
1910	11-15-09	---	23,000	1956	04-07-56	13.92	# 32,600
1911	05-24-11	---	12,800	1957	06-24-57	8.53	# 12,300
1912	10-08-11	---	39,000	1958	07-02-58	13.72	# 31,400
1913	04-04-13	---	37,800	1959	07-09-59	14.25	# 33,600
1914	04-30-14	---	36,700	1960	08-29-60	14.22	# 33,500
1915	05-23-15	---	24,100	1961	05-16-61	13.20	# 29,300
1916	04-23-16	---	52,400	1962	05-14-62	12.81	# 27,700
1917	04-23-17	---	24,900	1963	05-13-63	---	# 24,100
1918	06-01-18	---	45,400	1964	04-25-64	---	# 12,600
1919	04-13-19	---	45,000	1965	04-16-65	---	# 44,700
1920	03-27-20	---	78,000	1966	03-19-66	---	# 33,000
1921	04-29-21	---	33,600	1967	04-01-67	---	# 83,300
1922	04-11-22	---	66,800	1968	05-17-68	15.87	# 41,600
1923	04-22-23	---	59,000	1969	04-11-69	15.30	# 39,000
1924	04-26-24	---	59,000	1970	06-02-70	12.64	# 27,100
1925	06-15-25	---	20,800	1971	04-13-71	17.36	# 49,700
1926	09-20-26	---	46,400	1972	04-19-72	15.74	# 41,100
1927	03-16-27	---	52,100	1973	03-15-73	18.91	# 58,600
1928	03-26-28	---	# 48,700	1974	06-11-74	14.26	# 34,200
1929	04-07-29	---	# 44,000	1975	04-28-75	15.34	# 39,200
1930	01-15-30	---	# 40,200	1976	04-01-76	17.66	# 51,400
1931	06-23-31	---	# 19,000	1977	09-26-77	12.55	# 26,700
1932	04-09-32	---	# 50,100	1978	08-28-78	12.29	# 25,700

DENOTES ANNUAL PEAK DISCHARGE AFFECTED BY KNOWN REGULATION OR DIVERSION

TABLE 4. ANNUAL PEAK DATA AT GAGING STATIONS -- Continued.

STATION NO. - 05365700
DRAINAGE AREA - 6.70 SQ MI

STATION NAME - GOGGLE-EYE CREEK NEAR THORP, WIS
GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1958	06-05-58	20.99	2,610	1969	04-07-69	14.34	710
1959	07-08-59	14.50	760	1970	04-07-70	12.57	230
1960	05-07-60	13.18	390	1971	04-01-71	13.86	580
1961	10-31-60	17.00	1,440	1972	04-18-72	12.27	160
1962	09-16-62	12.63	250	1973	03-11-73	14.21	720
1963	05-13-63	13.25	420	1974	06-09-74	13.02	360
1964	09-03-64	12.33	170	1975	04-23-75	11.90	100
1965	06-01-65	12.81	290	1976	03-30-76	12.65	250
1966	03-18-66	12.86	310	1977	05-22-77	12.42	200
1967	03-30-67	15.83	1,150	1978	09-13-78	13.25	300
1968	07-14-68	14.02	630				

STATION NO. - 05366000
DRAINAGE AREA - 506 SQ MI

STATION NAME - EAU CLAIRE RIVER NEAR AUGUSTA, WIS.
GAGE DATUM - 910.00 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1915	05-23-15	7.9	4,630	1921	03-21-21	9.1	5,620
1916	04-01-16	10.7	7,290	1922	04-10-22	10.9	7,510
1917	04-03-17	7.2	3,800	1923	04-14-23	7.3	3,900
1918	05-27-18	9.2	5,720	1924	04-26-24	10.1	6,740
1919	06-25-19	9.4	5,920	1925	06-13-25	8.4	4,940
1920	03-27-20	12.2	8,940	1926	04-01-26	9.0	5,520

STATION NO. - 05366500
DRAINAGE AREA - 758 SQ MI

STATION NAME - EAU CLAIRE RIVER NEAR FALL CREEK, WIS
GAGE DATUM - 830.00 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1943	04-01-43	15.87	16,800	1962	08-25-62	6.26	2,800
1944	04-25-44	7.15	3,620	1963	03-26-63	10.25	7,080
1945	03-19-45	13.11	11,500	1964	04-21-64	3.21	900
1946	03-16-46	12.28	10,100	1965	04-11-65	12.6	10,600
1947	04-07-47	10.96	8,100	1966	02-09-66	7.74	4,150
1948	03-22-48	8.88	5,430	1967	03-31-67	17.59	20,500
1949	03-29-49	6.98	3,430	1968	07-14-68	11.25	8,500
1950	03-29-50	8.32	4,750	1969	04-07-69	12.76	10,900
1951	04-09-51	14.34	13,800	1970	04-07-70	7.24	3,700
1952	04-03-52	15.28	15,700	1971	04-01-71	10.70	7,650
1953	03-23-53	11.67	9,140	1972	09-25-72	9.67	6,350
1954	05-02-54	14.38	14,000	1973	03-12-73	15.60	16,400
1955	05-30-55	16.11	17,200	1974	04-06-74	9.89	6,600
1958	06-06-58	11.33	8,590	1975	05-23-75	7.05	3,500
1960	06-16-60	13.70	12,600	1976	03-30-76	10.89	8,000
1961	10-31-60	6.56	3,000	1977	04-21-77	5.70	2,400
				1978	09-13-78	13.24	11,900

STATION NO. - 05367000
DRAINAGE AREA - 6,630 SQ MI

STATION NAME - CHIPPEWA RIVER AT EAU CLAIRE, WIS.
GAGE DATUM - 750.00 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1903	09-15-03	---	53,700	1947	04-07-47	15.0	# 33,100
1904	05-28-04	---	33,300	1948	03-23-48	10.0	# 14,500
1905	06-07-05	---	70,000	1949	07-07-49	13.7	# 27,500
1906	04-15-06	---	38,800	1950	04-19-50	16.4	# 39,300
1907	03-31-07	---	40,000	1951	04-13-51	19.35	# 63,800
1908	04-29-08	---	29,600	1952	04-09-52	15.5	# 39,000
1944	05-14-44	14.8	# 32,200	1953	03-24-53	14.6	# 34,800
1945	06-04-45	17.0	# 42,000	1954	05-02-54	22.00	# 80,000
1946	06-27-46	18.4	# 48,500				

DENOTES ANNUAL PEAK DISCHARGE AFFECTED BY KNOWN REGULATION OR DIVERSION

TABLE 4. ANNUAL PEAK DATA AT GAGING STATIONS -- Continued.

STATION NO. - 05367030
DRAINAGE AREA - 4.38 SQ MI

STATION NAME - WILLOW CREEK NEAR EAU CLAIRE, WIS
GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1958	04-06-58	11.95	190	1969	10-09-68	10.62	88
1959	07-08-59	14.12	400	1970	06-15-70	10.82	100
1960	05-07-60	11.32	140	1971	04-07-71	11.48	150
1961	03-27-61	11.88	185	1972	03-29-72	11.50	150
1962	05-19-62	10.73	95	1973	03-11-73	12.63	250
1963	08-02-63	11.74	170	1974	06-10-74	10.82	105
1964	03-14-64	11.84	180	1975	08-23-75	11.92	188
1965	04-09-65	12.70	255	1976	03-20-76	10.91	108
1966	02-08-66	11.92	188	1977	08-31-77	13.83	307
1967	03-29-67	11.86	182	1978	08-23-78	10.62	90
1968	05-16-68	11.71	170				

STATION NO. - 05367480
DRAINAGE AREA - 3.85 SQ MI

STATION NAME - EAST BRANCH PINE CREEK TRIBUTARY NEAR DALLAS,
GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1960	08-28-60	18.75	735	1970	05-31-70	11.94	100
1961	03-27-61	13.02	174	1971	04-08-71	12.05	108
1962	03-29-62	11.00	55	1972	07-22-72	12.17	115
1963	06-08-63	10.71	40	1973	03-11-73	13.58	222
1964	03-14-64	11.12	60	1974	04-06-74	11.16	60
1965	04-10-65	13.71	234	1975	04-27-75	12.70	150
1966	02-09-66	13.32	198	1976	03-21-76	12.64	148
1967	03-30-67	15.59	430	1977	03-12-77	11.86	95
1968	07-01-68	13.74	236	1978	04-06-78	12.23	120
1969	10-09-68	11.67	84				

STATION NO. - 05367500
DRAINAGE AREA - 1,100 SQ MI

STATION NAME - RED CEDAR RIVER NEAR COLFAX, WIS.
GAGE DATUM - 940.00 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1914	06-28-14	---	4,590	1946	03-16-46	6.32	5,850
1915	04-07-15	---	3,250	1947	04-12-47	4.35	3,470
1916	03-31-16	---	7,520	1948	03-21-48	5.82	6,400
1917	04-03-17	---	4,450	1949	03-26-49	5.27	5,100
1918	05-27-18	---	3,380	1950	03-27-50	6.62	8,940
1919	03-18-19	---	4,590	1951	04-12-51	6.00	6,970
1920	03-26-20	---	7,700	1952	04-02-52	6.29	7,900
1921	04-28-21	---	2,420	1953	03-22-53	6.50	8,580
1922	04-11-22	---	5,010	1954	06-18-54	6.95	10,300
1923	04-14-23	---	4,730	1955	04-01-55	* 3.17	1,990
1924	04-05-24	---	3,510	1956	04-05-56	6.25	7,740
1925	03-20-25	---	3,380	1957	06-24-57	3.95	2,520
1926	09-04-26	---	5,970	1958	04-07-58	3.77	2,470
1927	03-14-27	---	6,100	1959	07-10-59	5.45	5,220
1928	03-24-28	---	4,550	1960	08-29-60	6.34	8,030
1929	03-20-29	---	5,150	1961	03-28-61	5.67	6,040
1930	02-23-30	---	4,120	1962	09-03-62	4.41	3,300
1931	03-25-31	---	1,040	1963	03-25-63	---	5,000
1932	04-08-32	---	4,170	1964	05-11-64	4.01	2,650
1933	04-01-33	---	4,700	1965	04-12-65	7.99	16,200
1934	04-03-34	---	21,900	1966	12-14-65	6.65	9,400
1935	03-24-35	---	5,000	1967	03-31-67	9.08	22,800
1936	03-24-36	---	9,780	1968	07-01-68	6.48	8,600
1937	04-25-37	---	1,500	1969	04-08-69	5.50	4,600
1938	09-09-38	8.04	14,700	1970	06-01-70	5.55	5,700
1939	03-27-39	* 6.32	7,760	1971	04-11-71	---	4,500
1940	04-07-40	4.80	4,110	1972	07-20-72	6.02	7,000
1941	09-06-41	4.82	4,110	1973	05-02-73	6.52	8,800
1942	09-18-42	6.66	9,130	1974	04-15-74	5.25	5,000
1943	06-16-43	7.12	10,900	1975	04-28-75	6.48	8,600
1944	02-27-44	5.81	6,400	1976	03-30-76	5.95	6,800
1945	03-16-45	6.98	10,500	1978	04-11-78	---	4,000

* DENOTES ANNUAL PEAK GAGE HEIGHT OCCURRED AT A TIME DIFFERENT THAN THAT OF PEAK DISCHARGE

TABLE 4. ANNUAL PEAK DATA AT GAGING STATIONS -- Continued.

STATION NO. - 05367700

DRAINAGE AREA - 19.8 SQ MI

STATION NAME - LIGHTNING CREEK AT ALMENA, WIS

GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1958	03-00-58	---	<100	1969	04-07-69	11.10	490
1959	08-09-59	11.56	750	1970	04-06-70	12.08	1,210
1960	03-27-60	11.99	1,050	1971	08-18-71	11.88	1,000
1961	03-28-61	11.33	630	1972	07-23-72	11.43	690
1962	08-12-62	11.20	550	1973	03-11-73	11.38	650
1963	08-12-63	10.46	220	1974	04-04-74	10.95	410
1964	04-21-64	10.02	130	1975	06-21-75	11.25	570
1965	04-11-65	12.18	1,200	1976	03-12-76	11.08	475
1966	02-09-66	11.76	920	1977	08-31-77	10.80	350
1967	03-30-67	12.39	1,550	1978	04-06-78	10.44	220
1968	09-22-68	11.35	640				

STATION NO. - 05368000

DRAINAGE AREA - 426 SQ MI

STATION NAME - HAY RIVER AT WHEELER, WIS.

GAGE DATUM - 889.30 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1934	04- -34	16.6	---	1965	04-11-65	14.65	10,900
1951	06-26-51	10.90	5,120	1966	03-05-66	11.45	5,510
1952	04-09-52	10.92	5,120	1967	03-31-67	15.04	13,600
1953	03-22-53	12.36	6,700	1968	09-24-68	8.48	2,420
1954	04-15-54	12.31	6,600	1969	04-08-69	9.44	3,260
1955	04-06-55	6.08	1,250	1970	04-09-70	8.60	2,510
1956	04-05-56	11.04	5,270	1971	06-11-71	8.69	2,660
1957	03-23-57	6.43	1,390	1972	03-22-72	7.44	1,720
1958	02-27-58	8.50	2,790	1973	03-13-73	10.06	3,790
1959	07-10-59	5.16	854	1974	04-14-74	8.64	2,630
1960	08-29-60	10.50	4,700	1975	04-28-75	13.98	10,400
1961	03-28-61	10.58	4,790	1976	03-21-76	9.23	2,720
1962	04-07-62	8.01	2,390	1977	09-25-77	7.97	1,900
1963	03-25-63	10.45	4,650	1978	07-03-78	8.02	1,930
1964	04-22-64	5.77	1,020				

STATION NO. - 05369000

DRAINAGE AREA - 1,760 SQ MI

STATION NAME - RED CEDAR RIVER AT MENOMONIE, WIS.

GAGE DATUM - 780.00 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1908	04-27-08	---	5,260	1946	03-17-46	5.87	10,600
1913	04-03-13	---	8,660	1947	04-13-47	4.14	5,120
1914	06-06-14	---	6,850	1948	03-22-48	4.80	6,850
1915	04-07-15	---	6,140	1949	03-26-49	5.45	9,020
1916	03-31-16	---	12,700	1950	03-28-50	6.33	12,300
1917	04-03-17	---	8,300	1951	04-13-51	6.20	11,700
1918	03-20-18	---	7,570	1952	04-03-52	6.30	12,000
1919	03-17-19	---	6,000	1953	03-23-53	6.54	12,600
1920	03-26-20	---	14,000	1954	06-19-54	6.54	12,700
1921	03-28-21	---	4,520	1955	04-02-55	2.91	2,520
1922	04-11-22	---	6,880	1956	04-05-56	6.56	12,900
1923	04-14-23	---	8,120	1957	03-25-57	3.55	4,740
1925	03-25-25	---	3,140	1958	06-04-58	6.90	11,800
1926	03-25-26	6.25	11,000	1959	07-08-59	7.4	13,500
1927	03-15-27	6.0	10,700	1960	08-29-60	7.25	13,000
1928	03-23-28	5.5	8,950	1961	03-28-61	6.91	11,800
1929	03-21-29	6.7	12,500	1962	04-16-62	4.76	5,140
1930	02-24-30	4.5	6,050	1963	03-26-63	6.73	11,200
1931	04-20-31	2.60	1,920	1964	10-15-63	4.52	4,560
1932	04-08-32	4.80	6,890	1965	04-12-65	11.56	28,700
1933	04-01-33	5.20	8,160	1966	12-14-65	---	13,000
1934	04-04-34	16.00	40,000	1967	03-31-67	12.80	33,200
1935	03-23-35	5.5	7,880	1968	09-25-68	6.53	11,400
1936	03-24-36	8.50	14,900	1969	04-08-69	5.98	9,340
1937	04-26-37	3.25	3,080	1970	06-02-70	6.17	9,910
1938	09-10-38	10.82	23,000	1971	04-12-71	5.08	6,790
1939	03-28-39	5.27	7,440	1972	07-26-72	7.18	13,200
1940	04-07-40	5.18	7,220	1973	03-13-73	6.69	11,600
1941	04-03-41	4.78	6,390	1974	04-14-74	6.26	9,740
1942	09-18-42	9.77	24,400	1975	04-29-75	6.96	12,100
1943	06-17-43	6.84	13,700	1976	03-26-76	6.18	9,480
1944	04-08-44	4.33	5,620	1977	08-31-77	5.84	8,920
1945	03-17-45	7.67	16,800	1978	04-11-78	4.65	5,680

TABLE 4. ANNUAL PEAK DATA AT GAGING STATIONS -- Continued.

STATION NO. - 05369500
DRAINAGE AREA - 9,010 SQ MI

STATION NAME - CHIPPEWA RIVER AT DURAND, WIS.
GAGE DATUM - 694.59 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1884	09-12-84	18.4	160,000	1954	05-03-54	15.40	101,000
1929	03-21-29	11.9	49,000	1955	10-18-54	9.50	31,500
1930	06-17-30	10.6	37,700	1956	04-08-56	11.29	42,800
1931	06-23-31	7.42	21,000	1957	06-25-57	* ---	17,600
1932	04-10-32	11.85	44,300	1958	07-04-58	8.79	27,600
1933	04-08-33	8.52	26,200	1959	07-11-59	10.11	35,000
1934	04-04-34	12.43	56,000	1960	08-31-60	10.62	38,000
1935	03-25-35	12.56	59,500	1961	03-30-61	10.03	34,500
1936	04-14-36	12.27	54,400	1962	05-15-62	8.75	# 27,400
1937	04-24-37	8.32	24,200	1963	05-15-63	9.23	# 29,400
1938	09-11-38	15.16	91,000	1964	04-25-64	6.18	# 15,600
1939	11-07-38	13.07	67,400	1965	04-14-65	* 13.36	# 66,200
1940	06-10-40	10.82	38,900	1966	03-20-66	* 10.54	# 37,500
1941	09-02-41	15.43	93,600	1967	04-02-67	16.93	# 123,000
1942	06-01-42	14.04	75,600	1968	07-03-68	11.94	# 48,400
1943	06-30-43	14.42	80,700	1969	04-10-69	12.46	# 53,600
1944	05-15-44	9.47	31,600	1970	06-03-70	9.60	# 32,000
1945	06-05-45	11.54	45,000	1971	04-14-71	12.70	# 57,000
1946	03-19-46	12.36	56,400	1972	04-20-72	11.32	# 43,100
1947	04-09-47	9.89	33,600	1973	03-16-73	14.26	# 73,300
1948	03-25-48	* ---	24,600	1974	04-16-74	11.06	# 41,100
1949	07-08-49	8.72	25,900	1975	04-29-75	12.39	# 53,200
1950	04-20-50	11.58	46,200	1976	04-02-76	13.30	62,300
1951	04-14-51	13.66	71,800	1977	09-27-77	8.98	28,600
1952	04-11-52	11.95	50,500	1978	04-09-78	9.41	# 30,900
1953	03-25-53	10.57	37,500				

STATION NO. - 05369800
DRAINAGE AREA - .65 SQ MI

STATION NAME - EAU GALLE RIVER TRIBUTARY NEAR HERSEY, WIS
GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1960	05-21-60	10.28	35	1970	06-15-70	11.27	112
1961	03-28-61	10.47	45	1971	04-05-71	11.20	105
1962	08-23-62	10.20	25	1972	04-13-72	10.64	60
1963	05-10-63	10.41	40	1973	03-11-73	11.17	103
1964	03-14-64	---	<20	1974	04-04-74	10.40	40
1965	06-01-65	11.10	100	1975	04-27-75	10.96	85
1966	12-12-65	10.58	55	1976	03-12-76	10.59	55
1967	03-29-67	11.55	50	1977	08-31-77	12.30	210
1968	09-22-68	11.57	140	1978	07-01-78	14.36	400
1969	04-07-69	10.74	68				

STATION NO. - 05370000
DRAINAGE AREA - 64.8 SQ MI

STATION NAME - EAU GALLE RIVER AT SPRING VALLEY, WIS.
GAGE DATUM - 900.00 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1942	09-18-42	---	33,000	1961	03-27-61	7.26	2,540
1944	06-05-44	---	2,880	1962	05-23-62	5.94	1,490
1945	03-15-45	---	3,900	1963	03-23-63	8.20	3,390
1946	03-13-46	---	2,680	1964	03-13-64	5.84	1,420
1947	04-11-47	---	2,310	1965	06-01-65	12.80	6,820
1948	03-23-48	---	2,140	1966	03-03-66	9.08	3,060
1949	07-27-49	---	2,980	1967	03-29-67	---	2,660
1950	03-26-50	---	3,390	1968	09-23-68	15.15	975
1951	06-24-51	---	2,730	1969	04-06-69	17.02	1,430
1952	08-08-52	---	3,120	1970	05-30-70	17.43	# 1,750
1953	07-26-53	---	3,480	1972	03-20-72	16.48	# 1,050
1954	04-15-54	---	7,000	1973	03-11-73	17.48	# 1,790
1955	04-04-55	---	1,280	1974	04-03-74	17.04	# 1,440
1956	04-03-56	---	5,130	1975	08-23-75	18.95	# 3,180
1957	03-14-57	---	2,490	1976	03-20-76	16.47	# 1,040
1958	02-25-58	5.90	1,460	1977	08-31-77	19.24	# 3,470
1959	07-08-59	10.83	6,200	1978	07-01-78	---	# 3,150
1960	03-27-60	8.00	3,210				

* DENOTES ANNUAL PEAK GAGE HEIGHT OCCURRED AT A TIME DIFFERENT THAN THAT OF PEAK DISCHARGE
DENOTES ANNUAL PEAK DISCHARGE AFFECTED BY KNOWN REGULATION OR DIVERSION

TABLE 4. ANNUAL PEAK DATA AT GAGING STATIONS -- Continued.

STATION NO. - 05370500
DRAINAGE AREA - 91.90 SQ MI

STATION NAME - EAU GALLE RIVER AT ELMWOOD, WIS.
GAGE DATUM - 840.00 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1942	09-18-42	16.2	39,000	1948	03-23-48	---	1,300
1943	03-30-43	10.71	4,220	1949	07-27-49	9.43	2,780
1944	06-05-44	9.78	3,320	1950	03-26-50	10.66	4,220
1945	03-15-45	11.3	4,900	1951	06-25-51	8.70	2,360
1946	03-13-46	10.60	4,110	1952	04-09-52	9.25	2,690
1947	04-11-47	8.16	1,970	1953	08-31-53	11.18	4,780

STATION NO. - 05370600
DRAINAGE AREA - 2.56 SQ MI

STATION NAME - ARKANSAW CREEK TRIBUTARY NEAR ARKANSAW, WIS
GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1959	03-00-59	11.67	130	1969	06-09-69	11.98	165
1960	12-28-59	11.38	110	1970	05-28-70	11.45	115
1961	06-12-61	11.63	130	1971	04-01-71	11.87	155
1962	03-28-62	12.80	200	1972	09-25-72	11.40	105
1963	07-17-63	10.57	42	1973	03-11-73	11.99	165
1964	05-24-64	11.34	105	1974	07-10-74	11.20	90
1965	04-10-65	13.37	330	1975	08-23-75	14.10	420
1966	03-04-66	12.08	150	1976	03-12-76	13.45	335
1967	03-29-67	12.99	280	1977	08-31-77	12.19	190
1968	07-14-68	11.39	110	1978	07-01-78	12.33	200

STATION NO. - 05370900
DRAINAGE AREA - 6.49 SQ MI

STATION NAME - SPRING CREEK NEAR DURAND, WIS.
GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1962	03-28-62	12.21	250	1971	10-26-70	10.08	10
1963	07-17-63	13.28	430	1972	09-25-72	13.80	400
1964	10-25-63	10.68	50	1973	09-26-73	12.60	200
1965	04-07-65	12.92	370	1974	04-05-74	11.99	110
1966	02-08-66	12.63	310	1975	08-23-75	15.71	860
1967	03-29-67	12.19	240	1976	03-12-76	11.38	60
1968	06-21-68	12.79	340	1977	07-03-77	12.45	180
1969	05-16-69	10.68	50	1978	07-01-78	11.52	70
1970	03-03-70	10.51	35				

STATION NO. - 05371300
DRAINAGE AREA - .28 SQ MI

STATION NAME - BY GOLLY CREEK NEAR NELSON, WIS.
GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1962	08-31-62	10.10	12	1970	-----	---	<5
1963	-----	---	<10	1971	10-29-70	9.50	5
1964	-----	---	<10	1972	-----	---	<10
1965	04-07-65	11.00	20	1973	-----	---	<10
1966	03-04-66	10.07	11	1975	08-23-75	13.31	154
1967	03-27-67	10.64	12	1976	-----	---	<10
1968	07-26-68	11.58	64	1977	06-28-77	10.24	15
1969	04-07-69	10.00	10	1978	09-12-78	12.26	95

STATION NO. - 05371800
DRAINAGE AREA - 1.44 SQ MI

STATION NAME - BUFFALO RIVER TRIBUTARY NEAR OSSEO, WIS
GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1960	05-21-60	11.66	125	1970	05-28-70	10.63	58
1961	03-27-61	11.18	92	1971	04-01-71	11.00	80
1962	08-31-62	10.13	30	1972	09-25-72	11.17	92
1963	05-10-63	10.29	40	1973	04-16-73	10.93	78
1964	06-18-64	10.10	30	1974	06-10-74	10.36	44
1965	07-13-65	10.60	58	1975	04-28-75	10.84	42
1966	06-05-66	10.45	50	1976	03-12-76	11.10	56
1967	10-15-66	10.62	58	1977	04-02-77	10.32	22
1968	07-14-68	10.81	70	1978	09-12-78	12.85	188
1969	07-14-69	11.05	84				

TABLE 4. ANNUAL PEAK DATA AT GAGING STATIONS -- Continued.

STATION NO. - 05371920
DRAINAGE AREA - 280 SQ MI

STATION NAME - BUFFALO RIVER NEAR MONDOVI, WIS
GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1974	06-09-74	11.42	770	1977	07-03-77	11.00	650
1975	09-10-75	15.39	5,180	1978	09-12-78	13.52	1,850
1976	03-12-76	12.56	1,150				

STATION NO. - 05372000
DRAINAGE AREA - 406 SQ MI

STATION NAME - BUFFALO RIVER NEAR TELL, WIS.
GAGE DATUM - 680.00 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1933	03-31-33	---	1,970	1942	05-30-42	7.6	5,750
1934	04-04-34	---	8,650	1943	03-27-43	6.6	2,900
1935	08-08-35	---	1,440	1944	03-13-44	5.6	995
1936	03-21-36	6.9	3,270	1945	03-15-45	7.60	5,750
1937	04-03-37	5.6	1,060	1946	03-15-46	6.0	1,200
1938	09-09-38	7.5	5,430	1947	07-29-47	6.75	2,720
1939	03-22-39	7.5	5,430	1948	03-20-48	7.1	5,040
1940	06-23-40	7.7	6,200	1949	03-26-49	5.3	1,080
1941	04-01-41	6.3	1,750	1950	03-28-50	6.8	2,900

STATION NO. - 05378200
DRAINAGE AREA - 26.8 SQ MI

STATION NAME - EAGLE CREEK NEAR FOUNTAIN CITY, WIS
GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1961	03-25-61	14.32	930	1970	-----	---	<150
1962	03-28-62	13.75	790	1971	07-12-71	11.13	250
1963	03-26-63	11.76	360	1972	08-19-72	12.60	520
1964	07-01-64	13.50	730	1973	03-11-73	13.17	660
1965	04-07-65	14.82	1,100	1974	06-09-74	11.88	400
1966	02-08-66	14.06	870	1975	08-28-75	14.00	850
1967	03-26-67	11.95	390	1976	11-10-75	12.35	490
1968	08-20-68	17.11	2,460	1977	06-15-77	10.90	225
1969	06-26-69	11.00	230	1978	07-07-78	18.35	6,000

STATION NO. - 05379400
DRAINAGE AREA - 552 SQ MI

STATION NAME - TREMPLEAU RIVER AT ARCADIA, WIS.
GAGE DATUM - 719.61 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1968	07-27-68	6.84	8,140	1973	03-11-73	6.59	5,580
1969	04-06-69	5.17	2,920	1974	04-04-74	5.93	3,520
1970	05-28-70	6.31	3,290	1975	08-23-75	8.64	15,900
1971	04-01-71	5.41	2,200	1976	03-12-76	6.67	5,310
1972	09-27-72	6.85	4,510	1977	03-11-77	* ---	1,250

* DENOTES ANNUAL PEAK GAGE HEIGHT OCCURRED AT A TIME DIFFERENT THAN THAT OF PEAK DISCHARGE

TABLE 4. ANNUAL PEAK DATA AT GAGING STATIONS -- Continued.

STATION NO. - 05379500

DRAINAGE AREA - 643 SQ MI

STATION NAME - TREMPPEALEAU RIVER AT DODGE, WIS.

GAGE DATUM - 661.42 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1914	06-09-14	8.5	3,700	1954	06-21-54	7.85	5,710
1915	03-26-15	6.6	1,700	1955	10-04-54	8.80	10,400
1916	03-26-16	8.2	3,360	1956	04-04-56	10.35	17,400
1917	04-03-17	6.5	1,650	1957	06-23-57	2.90	713
1918	03-20-18	9.0	3,600	1958	02-28-58	4.47	1,140
1919	03-17-19	10.2	11,000	1959	03-27-59	8.8	8,000
1934	04-05-34	6.8	8,500	1960	12-30-59	4.3	1,480
1935	07-29-35	7.6	4,490	1961	03-26-61	9.20	11,100
1936	03-22-36	8.7	7,180	1962	03-29-62	8.30	6,800
1937	04-03-37	5.2	1,780	1963	03-26-63	6.85	3,240
1938	09-10-38	6.8	3,170	1964	09-11-64	5.30	1,980
1939	03-24-39	8.4	6,400	1965	04-07-65	9.40	12,100
1940	04-01-40	6.9	3,120	1966	02-10-66	8.66	3,600
1941	04-02-41	6.7	2,890	1967	03-28-67	10.42	7,350
1942	06-03-42	8.1	5,680	1968	07-28-68	8.70	3,220
1943	03-27-43	7.9	5,060	1969	04-07-69	7.63	2,200
1944	02-29-44	5.8	2,040	1970	05-30-70	8.48	2,830
1945	03-16-45	9.1	8,120	1971	04-04-71	7.59	2,170
1946	03-14-46	7.7	4,570	1972	09-29-72	10.10	5,950
1947	04-07-47	3.0	5,410	1973	03-13-73	10.14	5,500
1948	03-21-48	7.8	4,840	1974	04-06-74	7.98	2,430
1949	07-29-49	5.5	1,920	1975	08-24-75	11.36	10,600
1950	03-29-50	7.3	3,600	1976	03-14-76	9.37	3,030
1951	07-10-51	7.8	4,840	1977	03-13-77	6.44	1,520
1952	04-02-52	8.85	6,950	1978	07-06-78	9.35	3,040
1953	03-19-53	7.5	4,040				

STATION NO. - 05380800

DRAINAGE AREA - 2.12 SQ MI

STATION NAME - BLACK RIVER TRIBUTARY NEAR WHITTLESEY, WIS

GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1960	05-07-60	11.31	98	1970	06-14-70	10.88	65
1961	03-27-61	11.26	94	1971	04-10-71	12.07	170
1962	03-29-62	11.14	85	1972	04-16-72	12.09	175
1963	03-26-63	10.90	67	1973	03-11-73	12.10	175
1964	09-02-64	12.08	170	1974	04-04-74	11.13	85
1965	04-26-65	12.19	182	1975	04-23-75	11.38	105
1966	04-01-66	12.08	170	1976	03-30-76	11.89	170
1967	03-29-67	12.55	220	1977	09-19-77	10.59	45
1968	05-16-68	11.97	160	1978	09-12-78	10.81	60
1969	04-07-69	11.40	107				

STATION NO. - 05380900

DRAINAGE AREA - 157 SQ MI

STATION NAME - POPLAR RIVER NEAR OWEN, WIS

GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1958	06-05-58	19.46	10,000	1969	04-07-69	16.60	5,700
1959	09-28-59	14.36	2,800	1970	05-23-70	15.50	4,300
1960	05-07-60	16.06	5,100	1971	04-09-71	16.95	6,200
1961	10-31-60	13.01	1,800	1972	04-16-72	15.47	4,300
1962	08-31-62	12.44	1,500	1973	05-02-73	18.50	8,800
1963	05-13-63	14.68	3,410	1974	04-04-74	13.37	2,300
1964	09-03-64	14.63	3,380	1975	08-28-75	14.00	2,750
1965	04-11-65	17.95	7,800	1976	03-20-76	14.96	3,700
1966	03-18-66	16.36	5,600	1977	07-24-77	13.80	2,600
1967	03-31-67	19.12	10,000	1978	07-23-78	16.26	5,600
1968	06-27-68	16.13	5,100				

TABLE 4. ANNUAL PEAK DATA AT GAGING STATIONS -- Continued.

STATION NO. - 05380970
DRAINAGE AREA - 38.6 SQ MI

STATION NAME - CAWLEY CREEK NEAR NEILLSVILLE, WIS
GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1961	03-27-61	16.00	1,500	1970	05-28-70	15.23	1,600
1962	03-29-62	15.20	1,150	1971	04-06-71	15.49	1,790
1963	05-10-63	14.06	970	1972	09-26-72	16.66	2,840
1964	04-14-64	12.20	300	1973	05-02-73	16.87	3,080
1965	04-26-65	14.78	1,330	1974	04-04-74	14.55	1,200
1966	03-04-66	14.98	1,450	1975	04-29-75	16.23	2,400
1967	03-30-67	17.11	3,400	1976	03-21-76	15.49	1,760
1968	05-16-68	14.94	1,430	1977	06-11-77	13.83	330
1969	06-26-69	18.21	4,850	1978	09-12-78	20.24	7,400

STATION NO. - 05381000
DRAINAGE AREA - 756 SQ MI

STATION NAME - BLACK RIVER AT NEILLSVILLE, WIS.
GAGE DATUM - 962.77 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1905	06-06-05	22.4	41,100	1945	03-17-45	14.88	17,200
1906	04-03-06	12.3	11,300	1946	03-16-46	12.75	12,400
1907	03-27-07	12.7	12,200	1947	04-06-47	12.34	11,300
1908	04-28-08	11.6	9,820	1948	03-20-48	11.48	9,620
1914	06-05-14	19.8	29,400	1949	03-28-49	* 8.43	4,080
1915	05-21-15	10.0	6,600	1950	03-27-50	13.66	14,400
1916	03-31-16	13.0	12,100	1951	04-08-51	16.41	21,300
1917	04-04-17	10.5	7,450	1952	04-02-52	16.50	21,500
1918	05-26-18	11.8	9,670	1953	03-23-53	14.22	15,500
1919	06-24-19	11.7	9,490	1954	05-02-54	14.00	15,100
1920	03-26-20	15.8	20,200	1955	05-29-55	11.54	9,700
1921	03-20-21	13.2	12,900	1956	04-03-56	16.50	21,500
1922	04-09-22	13.8	14,300	1957	07-09-57	* 8.16	3,730
1923	04-22-23	10.4	7,370	1958	06-05-58	14.18	15,500
1924	08-22-24	14.8	16,500	1959	09-28-59	10.48	7,630
1925	06-14-25	8.6	4,420	1960	05-07-60	12.92	12,600
1926	04-11-26	12.2	10,800	1961	03-27-61	13.40	13,700
1927	03-13-27	12.4	9,360	1962	04-07-62	* 9.80	6,400
1928	09-14-28	17.0	22,900	1963	03-26-63	13.00	12,800
1929	03-19-29	12.8	12,400	1964	09-03-64	8.92	4,890
1930	06-14-30	16.0	20,100	1965	04-12-65	15.28	18,300
1931	06-20-31	7.8	3,090	1966	03-18-66	13.34	13,400
1932	04-07-32	14.6	16,500	1967	03-31-67	18.00	25,700
1933	04-06-33	9.8	6,400	1968	05-16-68	12.56	11,700
1934	04-05-34	15.7	19,300	1969	04-07-69	13.28	13,300
1935	03-23-35	15.6	19,300	1970	05-23-70	10.94	8,510
1936	03-24-36	15.67	19,300	1971	04-10-71	14.01	14,900
1937	04-08-37	8.44	3,860	1972	09-26-72	14.62	16,600
1938	09-10-38	23.80	48,800	1973	05-02-73	15.91	19,900
1939	03-26-39	14.42	16,000	1974	04-07-74	11.33	9,260
1940	06-22-40	13.02	12,800	1975	04-27-75	12.66	11,900
1941	09-01-41	* 11.8	10,200	1976	03-30-76	13.94	15,000
1942	09-19-42	17.55	24,600	1977	04-22-77	* 6.40	1,750
1943	06-28-43	22.49	41,600	1978	09-13-78	16.15	19,500
1944	06-18-44	11.03	8,620				

* DENOTES ANNUAL PEAK GAGE HEIGHT OCCURRED AT A TIME DIFFERENT THAN THAT OF PEAK DISCHARGE

TABLE 4. ANNUAL PEAK DATA AT GAGING STATIONS -- Continued.

STATION NO. - 05382000

DRAINAGE AREA - 2,120 SQ MI

STATION NAME - BLACK RIVER NEAR GALESVILLE, WIS.

GAGE DATUM - 658.43 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1932	04-09-32	11.5	22,400	1956	04-06-56	12.90	29,300
1933	04-02-33	8.8	10,700	1957	03-18-57	7.06	6,300
1934	09-28-34	11.9	25,500	1958	04-09-58	9.65	11,400
1935	03-23-35	12.4	30,000	1959	09-30-59	* 10.67	14,500
1936	03-25-36	12.9	36,500	1960	05-09-60	12.63	26,200
1937	04-04-37	8.0	9,290	1961	03-29-61	13.38	30,800
1938	09-11-38	14.31	58,000	1962	04-01-62	11.60	17,500
1939	03-26-39	12.60	30,500	1963	03-28-63	12.33	21,400
1940	06-26-40	10.62	16,000	1964	05-12-64	7.85	7,760
1941	04-04-41	10.66	15,700	1965	04-13-65	13.60	33,000
1942	09-21-42	13.10	36,400	1966	03-20-66	12.08	21,400
1943	05-31-43	13.25	34,600	1967	04-01-67	14.63	55,500
1944	06-20-44	11.55	19,400	1968	06-29-68	12.54	22,900
1945	03-19-45	* 12.40	25,000	1969	04-07-69	12.62	21,200
1946	03-17-46	12.11	22,500	1970	05-30-70	11.94	17,000
1947	04-08-47	10.66	15,800	1971	04-11-71	12.43	19,200
1948	03-23-48	10.00	12,400	1972	09-29-72	12.25	17,600
1949	03-31-49	6.50	5,300	1973	03-13-73	14.51	36,300
1950	03-29-50	10.43	14,800	1974	04-09-74	10.73	12,400
1951	04-09-51	13.15	29,100	1975	04-30-75	13.73	26,900
1952	04-03-52	14.00	51,000	1976	04-01-76	13.22	22,300
1953	03-25-53	12.56	26,900	1977	07-05-77	5.24	3,440
1954	05-04-54	12.35	24,600	1978	09-15-78	13.75	22,500
1955	05-31-55	11.90	20,500				

STATION NO. - 05382200

DRAINAGE AREA - 14.3 SQ MI

STATION NAME - FRENCH CREEK NEAR ETTRICK, WIS.

GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1960	08-29-60	11.09	410	1970	-----	---	<200
1961	03-27-61	11.45	520	1971	-----	---	<200
1962	08-31-62	11.53	550	1972	09-26-72	12.50	980
1963	03-23-63	10.70	315	1973	-----	---	240
1964	09-08-64	10.68	310	1974	08-22-74	10.48	270
1965	04-06-65	11.46	530	1975	04-28-75	13.16	1,350
1966	02-08-66	11.32	480	1976	03-12-76	10.02	205
1967	03-27-67	13.07	1,300	1977	-----	---	<100
1968	08-20-68	12.56	1,000	1978	07-07-78	10.11	215
1969	-----	---	<200				

STATION NO. - 05382300

DRAINAGE AREA - 1.72 SQ MI

STATION NAME - BEAVER CREEK TRIBUTARY NEAR SPARTA, WIS

GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1959	03-00-59	13.19	152	1969	06-26-69	12.17	140
1960	05-07-60	10.78	40	1970	05-22-70	11.55	92
1961	03-26-61	12.05	134	1971	04-01-71	12.85	200
1962	03-28-62	11.06	56	1972	09-26-72	11.72	105
1963	03-26-63	11.71	104	1973	03-11-73	11.70	103
1964	05-15-64	11.75	106	1974	04-04-74	12.25	150
1965	04-10-65	11.85	104	1975	03-28-75	12.19	140
1966	02-08-66	12.72	170	1976	03-12-76	11.76	108
1967	06-15-67	12.47	168	1977	06-06-77	14.49	370
1968	06-21-68	12.03	130	1978	07-01-78	12.30	152

* DENOTES ANNUAL PEAK GAGE HEIGHT OCCURRED AT A TIME DIFFERENT THAN THAT OF PEAK DISCHARGE

TABLE 4. ANNUAL PEAK DATA AT GAGING STATIONS -- Continued.

STATION NO. - 05382500

DRAINAGE AREA - 77.1 SQ MI

STATION NAME - LITTLE LA CROSSE RIVER NEAR LEON, WIS

GAGE DATUM - 760.28 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1934	07-06-34	9.84	1,370	1957	06-11-57	4.10	522
1935	08-06-35	14.43	4,620	1958	02-24-58	3.65	426
1936	03-10-36	9.62	1,210	1959	09-27-59	7.60	1,380
1937	03-07-37	6.73	457	1960	06-28-60	6.72	1,160
1938	09-12-38	8.80	881	1961	03-25-61	10.5	3,000
1939	03-19-39	7.17	580	1962	08-31-62	4.42	600
1940	08-02-40	8.90	913	1963	03-23-63	5.0	730
1941	09-16-41	9.60	1,210	1964	04-01-64	2.92	285
1942	06-07-42	9.98	1,480	1965	05-26-65	2.90	280
1943	03-26-43	6.82	520	1966	02-09-66	9.25	2,150
1944	02-22-44	9.63	1,210	1967	06-15-67	7.20	1,330
1945	05-22-45	9.76	1,330	1968	06-21-68	7.90	1,570
1946	01-06-46	9.88	1,400	1969	06-26-69	5.92	960
1947	06-29-47	11.22	2,300	1970	03-03-70	5.33	810
1948	02-28-48	9.01	960	1971	04-01-71	2.51	210
1949	03-22-49	5.90	414	1972	04-22-72	5.10	760
1950	03-07-50	9.60	1,200	1973	04-16-73	5.90	960
1951	07-21-51	6.67	532	1974	03-03-74	5.02	730
1952	07-20-52	8.0	1,190	1975	04-28-75	5.38	825
1953	04-10-53	3.48	371	1976	03-12-76	6.20	1,040
1954	07-03-54	7.83	1,160	1977	07-03-77	4.58	635
1955	06-02-55	9.80	2,100	1978	07-02-78	9.72	2,440
1956	04-02-56	9.15	1,840				

STATION NO. - 05383000

DRAINAGE AREA - 398 SQ MI

STATION NAME - LA CROSSE RIVER NEAR WEST SALEM, WIS.

GAGE DATUM - 668.00 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1914	06-28-14	5.7	1,800	1943	05-31-43	8.22	2,790
1915	02-23-15	7.3	1,800	1944	03-13-44	7.51	2,150
1916	01-29-16	5.7	1,850	1945	05-23-45	9.16	4,590
1917	03-24-17	7.6	2,990	1946	01-07-46	9.27	4,170
1918	03-18-18	7.8	3,130	1947	06-30-47	8.29	2,900
1919	03-16-19	8.8	3,900	1948	02-29-48	7.70	2,300
1920	06-16-20	7.0	2,600	1949	03-23-49	6.65	2,020
1921	06-10-21	4.1	1,150	1950	03-07-50	8.32	2,900
1922	02-24-22	8.5	2,920	1951	03-29-51	6.13	1,630
1923	04-04-23	7.2	2,480	1952	07-20-52	8.04	2,470
1924	08-20-24	7.0	2,600	1953	03-19-53	5.23	1,320
1925	06-15-25	6.3	2,120	1954	07-05-54	6.67	1,730
1926	08-22-26	6.0	1,920	1955	06-03-55	8.92	3,650
1927	07-21-27	4.7	1,370	1956	04-03-56	10.42	5,720
1928	09-15-28	10.2	5,160	1957	02-26-57	4.12	984
1929	06-16-29	4.7	1,170	1958	02-27-58	5.17	1,310
1930	02-21-30	8.8	3,270	1959	04-01-59	8.62	3,270
1931	06-23-31	3.0	635	1960	05-08-60	7.20	1,780
1932	06-08-32	6.4	2,380	1961	03-27-61	10.33	4,490
1933	03-31-33	9.4	4,310	1962	03-29-62	8.10	2,150
1934	04-04-34	9.20	3,890	1963	03-25-63	7.93	2,060
1935	08-06-35	12.2	8,200	1964	04-07-64	5.29	1,020
1936	03-18-36	8.4	3,020	1965	03-03-65	8.76	2,610
1937	03-08-37	7.7	1,100	1966	02-08-66	11.29	5,940
1938	09-11-38	8.8	3,490	1967	06-16-67	10.27	3,620
1939	03-20-39	7.66	1,510	1968	06-21-68	9.85	2,360
1940	06-24-40	4.81	1,140	1969	06-27-69	8.84	1,750
1941	09-16-41	8.35	3,020	1970	03-04-70	9.96	1,800
1942	06-30-42	9.20	4,170	1978	07-02-78	12.82	7,600

TABLE 4. ANNUAL PEAK DATA AT GAGING STATIONS -- Continued.

STATION NO. - 05386300
DRAINAGE AREA - 25.5 SQ MI

STATION NAME - MORMON CREEK NEAR LA CROSSE, WIS.
GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER- YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1961	03-25-61	11.57	720	1970	-----	---	<400
1962	08-31-62	10.46	450	1971	-----	---	<400
1963	07-13-63	8.36	90	1972	-----	---	<400
1964	09-10-64	8.02	40	1973	-----	---	<400
1965	09-28-65	11.71	760	1974	-----	---	<400
1966	02-08-66	11.35	780	1975	04-27-75	15.04	2,320
1967	02-15-67	9.92	470	1976	03-12-76	13.02	1,300
1968	06-21-68	14.47	1,960	1977	07-03-77	15.48	2,640
1969	06-26-69	14.18	1,810	1978	07-02-78	20.60	8,140

STATION NO. - 05387100
DRAINAGE AREA - 80.9 SQ MI

STATION NAME - NORTH FORK BAD AXE RIVER NEAR GENOA, WIS
GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1959	08-27-59	19.59	3,500	1969	06-26-69	12.08	600
1960	07-03-60	18.24	2,850	1970	03-03-70	10.22	225
1961	03-27-61	16.12	1,900	1971	07-27-71	11.90	560
1962	03-28-62	16.03	1,850	1972	04-22-72	12.98	840
1963	03-23-63	14.10	1,050	1973	04-16-73	---	1,400
1964	-----	---	<450	1974	03-03-74	14.39	1,250
1965	03-05-65	15.91	1,930	1975	04-28-75	14.51	1,300
1966	02-08-66	16.79	2,400	1976	03-12-76	14.98	1,500
1967	03-25-67	< 15	<500	1978	07-02-78	16.37	2,000
1968	06-21-68	13.30	930				

STATION NO. - 05388460
DRAINAGE AREA - .30 SQ MI

STATION NAME - DU CHARME CREEK AT EASTMAN, WIS.
GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1961	09-31-61	10.47	30	1970	03-03-70	10.75	50
1962	07-03-62	11.50	105	1971	03-01-71	11.16	80
1963	03-17-63	10.46	30	1972	08-20-72	11.94	145
1964	06-22-64	12.31	175	1973	-----	---	<30
1965	09-07-65	11.35	95	1974	-----	---	<30
1966	07-14-66	11.28	90	1975	03-18-75	11.50	105
1967	07-17-67	14.05	200	1976	-----	---	<30
1968	06-23-68	11.29	90	1977	-----	---	<30
1969	06-26-69	11.26	88	1978	06-17-78	14.85	415

STATION NO. - 05390140
DRAINAGE AREA - 10.2 SQ MI

STATION NAME - MUSKRAT CREEK AT CONOVER, WIS.
GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1970	05-30-70	11.86	62	1975	04-25-75	11.93	66
1971	04-11-71	13.26	122	1976	05-16-76	11.82	61
1972	09-26-72	11.71	57	1977	09-19-77	10.86	30
1973	03-13-73	12.33	81	1978	08-23-78	11.64	54
1974	08-03-74	11.11	37				

TABLE 4. ANNUAL PEAK DATA AT GAGING STATIONS -- Continued.

STATION NO. - 05390240

DRAINAGE AREA - 10.3 SQ MI

STATION NAME - FOURMILE CREEK NEAR THREE LAKES, WIS.

GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1970	04-20-70	10.51	32	1975	04-29-75	11.92	78
1971	04-13-71	11.52	73	1976	04-19-76	12.40	70
1972	04-28-72	11.47	70	1977	03-29-77	12.23	93
1973	05-02-73	11.61	77	1978	08-23-78	12.07	85
1974	06-14-74	11.59	76				

STATION NO. - 05391000

DRAINAGE AREA - 744 SQ MI

STATION NAME - WISCONSIN RIVER AT RAINBOW LAKE, NR TOMAHAWK,

GAGE DATUM - 1,570.05 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1937	05-11-37	4.10	# 1,130	1958	06-17-58	2.75	# 802
1938	08-10-38	6.33	# 2,420	1959	09-28-59	5.68	# 2,340
1939	06-30-39	6.43	# 2,650	1960	10-02-59	5.86	# 2,450
1940	05-26-40	4.77	# 1,700	1961	05-19-61	4.70	# 1,750
1941	09-05-41	7.59	# 3,570	1962	12-29-61	3.34	# 1,060
1942	07-18-42	7.23	# 3,430	1963	12-11-62	3.00	# 905
1943	06-17-43	6.66	# 3,010	1964	09-26-64	2.31	# 622
1944	05-17-44	4.67	# 1,770	1965	05-18-65	5.78	# 2,400
1945	04-24-45	5.14	# 1,980	1966	04-28-66	3.83	# 1,280
1946	06-26-46	6.68	# 3,010	1967	04-21-67	5.99	# 2,530
1947	05-10-47	4.54	# 1,600	1968	06-30-68	6.02	# 2,550
1948	02-28-48	2.72	# 734	1969	06-27-69	4.93	# 1,900
1949	08-26-49	3.96	# 1,320	1970	01-22-70	3.03	# 888
1950	05-12-50	6.00	# 2,500	1971	12-02-70	3.92	# 1,310
1951	05-19-51	5.43	# 2,170	1972	09-30-72	4.76	# 1,780
1952	10-05-51	5.46	# 2,300	1973	05-07-73	6.30	# 2,770
1953	06-22-53	5.78	# 2,450	1974	10-06-73	3.31	# 1,010
1954	05-10-54	5.50	# 2,250	1975	06-22-75	3.73	# 1,220
1955	10-17-54	4.79	# 1,840	1976	05-01-76	3.77	# 1,240
1956	07-12-56	4.02	# 1,440	1977	09-24-77	4.24	# 1,470
1957	10-01-56	2.93	# 886	1978	08-27-78	6.27	# 2,750

STATION NO. - 05391260

DRAINAGE AREA - 14.0 SQ MI

STATION NAME - GUDEGAST CREEK NEAR STARKS, WIS.

GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1970	05-31-70	11.72	57	1975	06-21-75	12.29	80
1971	04-13-71	12.08	71	1976	03-10-76	11.63	54
1972	08-18-72	12.61	94	1977	03-12-77	11.36	45
1973	05-02-73	12.24	78	1978	08-23-78	11.78	60
1974	04-13-74	11.34	44				

STATION NO. - 05391950

DRAINAGE AREA - 3.23 SQ MI

STATION NAME - SQUAW CREEK NEAR HARRISON, WIS.

GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1970	05-31-70	10.47	15	1975	09-10-75	10.44	14
1971	04-13-71	10.78	21	1976	05-16-76	10.59	17
1972	08-18-72	10.29	12	1977	03-12-77	10.61	17
1973	08-20-73	10.68	18	1978	04-02-78	10.27	12
1974	04-13-74	10.28	12				

DENOTES ANNUAL PEAK DISCHARGE AFFECTED BY KNOWN REGULATION OR DIVERSION

TABLE 4. ANNUAL PEAK DATA AT GAGING STATIONS -- Continued.

STATION NO. - 05392000
DRAINAGE AREA - 1,200 SQ MI

STATION NAME - WISCONSIN R AT WP RPDS, NR RHINELANDER, WIS.
GAGE DATUM - 1,492.14 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1906	04-22-06	---	3,460	1935	03-27-35	4.80	# 4,030
1907	04-03-07	---	3,720	1936	05-10-36	4.82	# 4,030
1908	05-02-08	---	# 3,720	1937	05-03-37	4.05	# 2,780
1909	04-29-09	---	# 2,820	1938	05-08-38	4.86	# 3,950
1910	11-15-09	---	# 2,340	1939	06-26-39	5.16	# 4,540
1911	07-24-11	---	# 2,940	1940	06-10-40	4.50	# 3,400
1912	08-11-12	---	# 5,020	1941	09-06-41	5.91	# 5,590
1913	07-29-13	---	# 2,940	1942	09-23-42	5.44	# 4,880
1914	07-02-14	---	# 3,160	1943	06-18-43	5.59	# 5,230
1915	07-18-15	---	# 3,060	1944	05-18-44	4.33	# 3,180
1916	04-22-16	5.61	# 5,250	1945	06-04-45	4.81	# 3,870
1917	04-25-17	4.15	# 2,900	1946	06-28-46	5.44	# 4,880
1918	06-01-18	4.2	# 3,030	1947	05-06-47	* ---	# 2,460
1919	04-13-19	4.28	# 3,200	1948	02-29-48	* ---	# 1,630
1920	04-01-20	5.2	# 4,520	1949	07-06-49	3.34	# 1,940
1921	04-30-21	4.65	# 3,620	1950	05-13-50	5.36	# 4,880
1922	04-12-22	5.18	# 4,490	1951	05-21-51	4.96	# 4,200
1923	04-23-23	5.24	# 4,590	1952	07-25-52	4.70	# 3,710
1924	04-18-24	4.55	# 3,480	1953	06-22-53	4.96	# 4,120
1925	06-16-25	4.15	# 2,720	1954	05-08-54	5.07	# 4,320
1927	07-28-27	4.35	# 3,180	1955	10-18-54	4.23	# 2,900
1928	09-18-28	5.13	# 4,350	1956	07-14-56	3.77	# 2,340
1929	04-10-29	5.70	# 5,410	1957	04-22-57	3.58	# 2,190
1930	06-21-30	4.15	# 2,970	1958	07-15-58	3.76	# 2,410
1931	06-12-31	3.75	# 2,460	1959	09-26-59	5.42	# 4,740
1932	04-12-32	4.38	# 3,250	1960	05-08-60	5.55	# 5,040
1933	04-19-33	4.64	# 3,620	1961	05-22-61	4.38	# 3,130
1934	04-12-34	4.40	# 3,400				

STATION NO. - 05392150
DRAINAGE AREA - 17.6 SQ MI

STATION NAME - MISHONAGON CREEK NEAR WOODRUFF, WIS
GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1958	07-00-58	10.04	56	1969	07-15-69	10.84	93
1959	09-21-59	10.65	80	1970	04-13-70	10.34	67
1960	08-28-60	10.13	59	1971	04-12-71	10.20	62
1961	03-00-61	10.15	60	1972	08-17-72	11.33	117
1962	09-16-62	9.8	48	1973	11-02-72	10.89	95
1963	03-24-63	10.00	55	1974	04-13-74	10.47	74
1964	08-01-64	9.40	34	1975	04-20-75	9.70	45
1965	05-15-65	10.20	62	1976	03-30-76	10.40	70
1966	12-12-65	10.30	66	1977	04-13-77	10.71	85
1967	10-15-66	10.03	56	1978	08-23-78	11.20	110
1968	06-30-68	10.42	70				

STATION NO. - 05392350
DRAINAGE AREA - 31.1 SQ MI

STATION NAME - BEARSKIN CREEK NEAR HARSHAW, WIS
GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1959	04-00-59	9.81	90	1969	06-27-69	9.43	62
1960	08-28-60	10.01	104	1970	04-09-70	9.32	54
1961	03-27-61	9.59	75	1971	07-18-71	9.61	75
1962	09-16-62	9.50	65	1972	09-26-72	9.52	68
1963	08-13-63	9.12	44	1973	05-02-73	9.97	100
1964	08-01-64	9.18	48	1974	03-12-74	9.38	62
1965	05-22-65	10.15	115	1975	03-23-75	9.70	82
1966	08-07-66	9.55	73	1976	03-20-76	9.63	77
1967	04-02-67	9.63	78	1977	08-31-77	9.78	88
1968	06-21-68	10.37	132	1978	09-14-78	9.44	65

* DENOTES ANNUAL PEAK GAGE HEIGHT OCCURRED AT A TIME DIFFERENT THAN THAT OF PEAK DISCHARGE
DENOTES ANNUAL PEAK DISCHARGE AFFECTED BY KNOWN REGULATION OR DIVERSION

TABLE 4. ANNUAL PEAK DATA AT GAGING STATIONS -- Continued.

STATION NO. - 05393000
DRAINAGE AREA - 544 SQ MI

STATION NAME - TOMAHAWK RIVER AT BRADLEY, WIS.
GAGE DATUM - 1,448.24 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1930	09-13-30	---	# 1,220	1952	10-07-51	---	# 1,640
1931	09-07-31	---	# 890	1953	07-02-53	---	# 1,570
1932	01-29-32	---	# 1,170	1954	08-08-54	---	# 1,280
1933	07-15-33	---	# 939	1955	10-25-54	---	# 1,240
1934	06-08-34	---	# 612	1956	09-08-56	---	# 778
1935	07-06-35	---	# 1,890	1957	12-11-56	---	# 767
1936	07-11-36	---	# 1,170	1958	08-24-58	---	# 688
1937	08-23-37	---	# 912	1959	09-30-59	---	# 2,460
1938	09-13-38	---	# 1,760	1960	10-02-59	---	# 2,690
1939	06-14-39	---	# 2,100	1961	01-21-61	---	# 1,050
1940	06-10-40	---	# 1,410	1962	12-13-61	---	# 926
1941	09-15-41	---	# 1,790	1963	12-30-62	---	# 989
1942	05-31-42	---	# 2,100	1964	12-17-63	---	# 488
1943	06-18-43	---	# 2,530	1965	05-22-65	---	# 1,560
1944	07-04-44	---	# 1,100	1966	06-02-66	---	# 953
1945	06-05-45	---	# 1,860	1967	09-13-67	---	# 1,020
1946	06-25-46	---	# 1,840	1968	06-25-68	---	# 2,540
1947	07-31-47	---	# 1,310	1969	06-28-69	---	# 1,300
1948	10-26-47	---	# 587	1970	01-07-70	---	# 883
1949	02-13-49	---	# 759	1971	06-20-71	---	# 1,100
1950	06-01-50	---	# 976	1972	01-15-72	---	# 1,030
1951	09-15-51	---	# 1,460	1973	05-04-73	---	# 2,250

STATION NO. - 05393500
DRAINAGE AREA - 81.6 SQ MI

STATION NAME - SPIRIT RIVER AT SPIRIT FALLS, WIS.
GAGE DATUM - 1,450.00 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1942	09-18-42	10.00	4,180	1961	03-28-61	6.87	1,200
1943	03-31-43	6.8	1,850	1962	05-14-62	5.67	1,080
1944	05-13-44	5.8	1,290	1963	04-03-63	4.70	672
1945	03-18-45	7.18	2,200	1964	05-06-64	3.80	394
1946	03-17-46	9.14	3,540	1965	04-14-65	8.87	1,500
1947	04-06-47	6.08	1,510	1966	03-18-66	7.59	2,000
1948	03-27-48	4.3	624	1967	04-02-67	7.91	2,960
1949	03-30-49	6.3	1,630	1968	05-16-68	6.62	1,840
1950	04-18-50	7.10	2,140	1969	04-10-69	* 6.54	1,770
1951	04-12-51	6.22	1,570	1970	04-09-70	6.25	500
1952	04-18-52	6.37	1,700	1971	04-12-71	7.20	2,150
1953	06-20-53	6.64	1,820	1972	04-18-72	6.52	1,750
1954	05-03-54	5.60	1,210	1973	05-02-73	7.20	2,290
1955	10-15-54	6.1	1,510	1974	04-13-74	5.70	1,190
1956	04-06-56	7.30	1,600	1975	04-23-75	6.98	2,110
1957	05-15-57	3.9	478	1976	03-30-76	* 6.69	1,910
1958	07-05-58	4.53	710	1977	04-22-77	4.69	736
1959	09-27-59	6.50	1,520	1978	05-30-78	6.97	2,190
1960	04-13-60	6.10	1,290				

STATION NO. - 05393620
DRAINAGE AREA - 6.69 SQ MI

STATION NAME - SKANAWAN CREEK NEAR TOMAHAWK, WIS.
GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1970	04-10-70	10.74	36	1975	04-23-75	11.40	78
1971	04-13-71	11.60	70	1976	03-30-76	11.03	69
1972	04-17-72	11.13	65	1977	03-12-77	11.12	73
1973	05-02-73	13.26	70	1978	04-02-78	10.75	55
1974	03-12-74	11.11	62				

* DENOTES ANNUAL PEAK GAGE HEIGHT OCCURRED AT A TIME DIFFERENT THAN THAT OF PEAK DISCHARGE
DENOTES ANNUAL PEAK DISCHARGE AFFECTED BY KNOWN REGULATION OR DIVERSION

TABLE 4. ANNUAL PEAK DATA AT GAGING STATIONS -- Continued.

STATION NO. - 05393640

DRAINAGE AREA - 22.0 SQ MI

STATION NAME - LITTLE PINE CREEK NEAR IRMA, WIS.

GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1970	05-31-70	12.06	75	1975	04-29-75	12.75	116
1971	04-13-71	13.12	160	1976	03-30-76	12.99	140
1972	04-18-72	12.79	120	1977	09-19-77	11.89	66
1973	03-15-73	13.53	225	1978	07-18-78	12.78	119
1974	04-13-74	12.58	100				

STATION NO. - 05394000

DRAINAGE AREA - 82.2 SQ MI

STATION NAME - NEW WOOD RIVER NEAR MERRILL, WIS

GAGE DATUM - 1,380.00 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1953	06-21-53	* ---	1,100	1966	06-06-66	4.72	920
1954	05-03-54	5.32	1,110	1967	03-31-67	6.38	1,200
1955	04-06-55	* ---	916	1968	06-21-68	6.46	2,400
1956	04-11-56	5.22	1,050	1969	04-10-69	5.65	1,745
1957	05-15-57	* ---	615	1970	03-31-70	4.28	560
1958	04-08-58	* ---	530	1971	04-13-71	6.05	2,170
1959	07-09-59	6.00	1,370	1972	04-18-72	6.14	2,290
1960	05-17-60	* ---	1,180	1973	03-15-73	5.99	2,050
1961	03-30-61	* ---	900	1974	04-13-74	5.10	950
1962	05-13-62	5.17	1,280	1975	04-23-75	6.06	1,550
1963	05-10-63	4.51	780	1976	03-30-76	7.24	2,460
1964	04-22-64	3.81	400	1978	07-23-78	4.73	760
1965	04-11-65	6.38	1,200				

STATION NO. - 05394200

DRAINAGE AREA - 9.58 SQ MI

STATION NAME - DEVIL CREEK NEAR MERRILL, WIS

GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1961	11-03-60	11.96	145	1970	04-08-70	12.36	250
1962	09-16-62	13.20	285	1971	04-09-71	14.24	320
1963	05-10-63	11.14	90	1972	09-26-72	13.82	480
1964	09-10-64	11.89	140	1973	05-02-73	13.26	380
1965	04-11-65	14.50	250	1974	04-13-74	12.04	195
1966	11-26-65	11.56	115	1975	04-21-75	13.56	430
1967	03-31-67	15.46	300	1976	03-30-76	14.50	500
1968	06-21-68	12.50	190	1977	03-29-77	12.03	150
1969	06-26-69	13.21	280	1978	07-23-78	14.82	500

* DENOTES ANNUAL PEAK GAGE HEIGHT OCCURRED AT A TIME DIFFERENT THAN THAT OF PEAK DISCHARGE

TABLE 4. ANNUAL PEAK DATA AT GAGING STATIONS -- Continued.

STATION NO. - 05394500

DRAINAGE AREA - 184 SQ MI

STATION NAME - PRAIRIE RIVER NEAR MERRILL, WIS.

GAGE DATUM - 1,300.00 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1914	04-30-14	4.5	1,160	1951	04-12-51	5.37	1,590
1915	05-22-15	3.8	781	1952	04-11-52	4.40	995
1916	04-22-16	6.2	2,380	1953	03-23-53	5.36	1,590
1917	06-08-17	4.1	916	1954	06-26-54	4.5	1,050
1918	05-28-18	5.0	1,420	1955	04-02-55	4.45	1,020
1919	04-11-19	4.8	1,280	1956	04-07-56	4.5	1,050
1920	03-28-20	5.8	2,020	1957	05-16-57	3.40	567
1921	04-28-21	5.6	1,860	1958	07-06-58	4.7	1,160
1922	04-11-22	5.9	2,110	1959	09-28-59	7.1	3,000
1923	04-22-23	6.2	2,380	1960	05-07-60	6.70	2,620
1924	04-17-24	5.4	1,700	1961	03-28-61	5.44	2,390
1925	06-05-25	4.0	870	1962	05-14-62	5.00	1,340
1926	08-21-26	7.6	3,780	1963	05-13-63	3.95	772
1927	03-18-27	5.6	1,860	1964	04-22-64	3.78	711
1928	09-15-28	5.0	1,420	1965	04-12-65	6.60	2,530
1929	04-07-29	6.5	2,680	1966	03-18-66	4.60	1,100
1930	06-16-30	4.5	1,110	1967	03-31-67	6.76	2,670
1931	06-13-31	2.9	394	1968	06-28-68	4.50	1,050
1940	06-08-40	5.6	1,810	1969	04-10-69	5.76	1,620
1941	08-31-41	9.45	5,800	1970	05-23-70	4.04	676
1942	09-18-42	6.6	2,530	1971	04-13-71	6.00	1,820
1943	06-02-43	5.1	1,400	1972	04-18-72	6.33	2,070
1944	05-13-44	4.5	1,050	1973	03-15-73	6.66	2,390
1945	03-18-45	4.7	1,160	1974	04-13-74	4.61	946
1946	03-17-46	4.8	1,280	1975	04-24-75	6.06	1,910
1947	04-06-47	4.7	1,220	1976	03-30-76	6.12	1,860
1948	03-27-48	3.3	515	1977	09-20-77	3.96	627
1949	07-05-49	3.6	628	1978	07-23-78	5.57	1,540
1950	04-18-50	5.5	1,660				

STATION NO. - 05395000

DRAINAGE AREA - 2,760 SQ MI

STATION NAME - WISCONSIN RIVER AT MERRILL, WIS.

GAGE DATUM - 1,228.85 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1903	09-16-03	11.7	# 21,800	1941	08-31-41	18.26	# 49,400
1904	05-27-04	11.0	# 19,500	1942	09-18-42	13.85	# 27,000
1905	06-17-05	12.0	# 23,000	1943	06-27-43	10.58	# 14,900
1906	04-11-06	10.1	# 16,200	1944	05-13-44	9.49	# 11,700
1907	09-20-07	9.2	# 13,000	1945	06-03-45	8.37	# 8,330
1908	04-29-08	9.5	# 14,000	1946	06-25-46	11.49	# 18,100
1909	05-07-09	8.8	# 11,600	1947	04-06-47	8.20	# 8,440
1910	11-17-09	8.1	# 9,380	1948	03-26-48	6.88	# 5,520
1911	05-23-11	7.7	# 8,140	1949	07-06-49	7.95	# 7,950
1912	07-24-12	17.5	# 45,000	1950	04-19-50	11.52	# 18,100
1913	04-18-13	9.2	# 12,600	1951	04-12-51	11.30	# 17,400
1914	04-30-14	8.9	# 11,000	1952	07-23-52	10.45	# 14,600
1915	08-07-15	7.87	# 8,160	1953	07-02-53	9.55	# 12,200
1916	04-22-16	12.60	# 23,400	1954	05-03-54	10.16	# 13,500
1917	04-21-17	8.80	# 10,700	1955	06-11-55	9.24	# 10,600
1918	05-28-18	9.73	# 13,400	1956	04-10-56	8.47	# 8,630
1919	04-11-19	9.51	# 12,900	1957	05-15-57	6.76	# 5,150
1920	03-27-20	11.8	# 20,500	1958	07-05-58	7.82	# 7,270
1921	04-29-21	10.28	# 15,400	1959	09-27-59	11.94	# 19,600
1922	04-11-22	11.2	# 18,400	1960	05-07-60	11.24	# 17,000
1923	04-22-23	11.95	# 20,700	1961	03-28-61	9.28	# 10,700
1924	04-17-24	9.65	# 13,300	1962	05-13-62	9.85	# 12,400
1925	06-13-25	7.58	# 7,370	1963	05-13-63	8.06	# 7,750
1926	08-21-26	10.86	# 17,400	1964	05-06-64	7.46	# 6,550
1927	03-18-27	10.90	# 17,400	1965	05-18-65	9.79	# 12,300
1928	09-14-28	11.00	# 17,700	1966	03-18-66	9.73	# 12,100
1929	04-07-29	12.2	# 21,900	1967	04-02-67	13.04	# 23,800
1930	06-15-30	8.84	# 10,700	1968	06-28-68	10.84	# 15,600
1931	06-21-31	7.95	# 8,430	1969	04-10-69	10.62	# 15,000
1932	04-11-32	8.87	# 11,000	1970	05-23-70	6.83	# 5,290
1933	05-02-33	8.89	# 11,000	1971	04-12-71	11.65	# 18,400
1934	04-09-34	8.6	# 10,100	1972	04-18-72	11.04	# 16,300
1935	03-23-35	10.82	# 17,000	1973	05-03-73	12.60	# 22,000
1936	05-06-36	10.05	# 14,400	1974	04-13-74	8.60	# 9,140
1937	04-24-37	9.32	# 11,500	1975	04-24-75	10.73	# 15,100
1938	05-05-38	10.96	# 17,400	1976	03-30-76	11.84	# 19,000
1939	03-27-39	10.81	# 16,600	1977	04-20-77	7.30	# 6,040
1940	06-09-40	11.07	# 16,500	1978	07-23-78	8.71	# 9,420

DENOTES ANNUAL PEAK DISCHARGE AFFECTED BY KNOWN REGULATION OR DIVERSION

TABLE 4. ANNUAL PEAK DATA AT GAGING STATIONS -- Continued.

STATION NO. - 05395020

DRAINAGE AREA - 7.80 SQ MI

STATION NAME - LLOYD CREEK NEAR DOERING, WIS.

GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1970	04-08-70	12.94	270	1975	04-23-75	12.20	170
1971	04-09-71	14.30	360	1976	03-30-76	13.26	318
1972	08-17-72	13.43	330	1977	04-10-77	11.45	90
1973	03-12-73	12.90	265	1978	07-22-78	13.82	310
1974	08-21-74	11.87	132				

STATION NO. - 05395100

DRAINAGE AREA - 1.58 SQ MI

STATION NAME - TRAPPE RIVER TRIBUTARY NEAR MERRILL, WIS

GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1959	09-27-59	17.28	385	1969	06-26-69	13.60	188
1960	08-07-60	15.25	305	1970	05-31-70	15.53	325
1961	03-27-61	12.59	120	1971	04-13-71	12.95	145
1962	05-13-62	13.61	190	1972	09-26-72	12.53	120
1963	05-13-63	11.72	70	1973	03-12-73	12.42	112
1964	09-26-64	11.91	80	1974	04-13-74	11.21	40
1965	08-07-65	17.15	380	1975	04-23-75	11.52	55
1966	11-25-65	12.29	100	1976	05-16-76	12.27	102
1967	04-02-67	13.12	155	1977	-----	---	<20
1968	06-21-68	17.09	380	1978	07-23-78	12.88	140

STATION NO. - 05396000

DRAINAGE AREA - 303 SQ MI

STATION NAME - RIB RIVER NEAR RIB FALLS, WIS.

GAGE DATUM - 1220.00 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1925	06-04-25	5.90	2,500	1942	09-18-42	14.50	19,100
1926	08-21-26	10.8	15,200	1943	06-27-43	11.60	11,700
1927	03-17-27	7.7	5,960	1944	05-12-44	6.73	2,860
1928	03-26-28	9.4	10,400	1945	03-17-45	9.41	6,620
1929	04-07-29	9.4	10,400	1946	06-25-46	9.29	6,420
1930	06-14-30	8.4	7,660	1947	04-06-47	7.94	4,180
1931	06-22-31	4.2	1,130	1948	03-27-48	6.9	3,030
1932	04-07-32	9.4	10,300	1949	03-29-49	7.6	3,820
1933	04-06-33	7.0	4,430	1950	04-17-50	8.1	4,440
1934	09-26-34	10.3	13,300	1951	04-07-51	10.53	9,400
1935	03-23-35	9.7	11,300	1952	04-01-52	8.4	5,430
1936	05-06-36	11.5	18,000	1953	07-28-53	11.34	11,200
1937	04-09-37	7.1	4,510	1954	05-03-54	8.10	4,960
1938	08-31-38	16.20	23,800	1955	10-14-54	7.9	4,750
1939	03-26-39	9.7	7,590	1956	04-05-56	* ---	6,500
1940	06-08-40	10.2	8,580	1957	05-15-57	* ---	1,560
1941	08-31-41	13.32	16,000				

STATION NO. - 05396100

DRAINAGE AREA - 6.86 SQ MI

STATION NAME - PET BROOK TRIBUTARY NEAR EDGAR, WIS

GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1962	09-13-62	14.07	460	1971	04-09-71	15.82	980
1963	05-13-63	14.05	455	1972	09-26-72	19.10	1,960
1964	09-02-64	13.24	250	1973	04-16-73	14.50	580
1965	04-11-65	16.67	1,380	1974	06-10-74	13.64	330
1966	07-26-66	14.42	560	1975	04-28-75	13.78	360
1967	03-31-67	14.96	730	1976	03-30-76	14.55	580
1968	06-21-68	13.87	420	1977	08-31-77	13.18	230
1969	05-27-69	20.20	2,250	1978	07-15-78	14.41	540
1970	04-08-70	13.86	380				

* DENOTES ANNUAL PEAK GAGE HEIGHT OCCURRED AT A TIME DIFFERENT THAN THAT OF PEAK DISCHARGE

TABLE 4. ANNUAL PEAK DATA AT GAGING STATIONS -- Continued.

STATION NO. - 05397500
DRAINAGE AREA - 375 SQ MI

STATION NAME - EAU CLAIRE RIVER AT KELLY, WIS.
GAGE DATUM - 1,177.88 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1914	06-04-14	---	2,910	1953	03-23-53	---	5,280
1915	05-22-15	---	1,180	1954	04-27-54	5.33	2,430
1916	04-21-16	---	3,520	1955	04-02-55	6.05	3,230
1917	04-04-17	---	1,460	1956	04-07-56	*	3,650
1918	03-27-18	---	2,450	1957	04-22-57	*	1,450
1919	06-26-19	---	2,560	1958	04-06-58	*	2,420
1920	03-26-20	---	5,080	1959	09-27-59	8.76	5,410
1921	03-20-21	---	6,600	1960	05-07-60	7.81	4,950
1922	07-09-22	---	6,460	1961	03-28-61	9.80	6,600
1923	04-20-23	---	5,620	1962	04-12-62	5.61	2,660
1924	04-17-24	---	4,130	1963	03-29-63	5.64	2,690
1925	06-05-25	---	1,220	1964	05-09-64	6.00	3,050
1926	08-21-26	---	8,300	1965	04-12-65	10.04	6,980
1940	06-08-40	---	5,020	1966	11-28-65	6.44	1,500
1941	09-01-41	---	5,980	1967	04-01-67	9.38	6,260
1942	05-31-42	---	3,090	1968	09-10-68	4.70	1,800
1943	06-27-43	---	5,740	1969	06-27-69	7.17	3,610
1944	06-16-44	---	1,760	1970	06-01-70	5.11	2,050
1945	03-18-45	---	3,750	1971	04-12-71	7.92	4,600
1946	03-14-46	---	4,330	1972	04-19-72	9.42	6,360
1947	04-06-47	---	2,020	1973	03-11-73	*	5,000
1948	03-22-48	---	3,860	1974	04-13-74	4.68	1,910
1949	04-01-49	---	1,300	1975	04-18-75	6.04	2,960
1950	04-18-50	---	3,200	1976	03-25-76	10.72	3,900
1951	04-07-51	---	4,090	1977	04-02-77	3.74	1,260
1952	04-01-52	---	4,580	1978	07-03-78	6.05	2,970

STATION NO. - 05397600
DRAINAGE AREA - 11.5 SQ MI

STATION NAME - BIG SANDY CREEK NEAR WAUSAU, WIS
GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1959	09-27-59	15.18	2,120	1969	06-27-69	12.99	720
1960	05-07-60	12.39	470	1970	05-31-70	12.14	390
1961	03-27-61	12.74	610	1971	04-09-71	13.40	950
1962	09-13-62	12.62	560	1972	09-26-72	13.09	780
1963	05-13-63	11.50	220	1973	05-02-73	11.99	340
1964	05-08-64	12.19	400	1974	04-13-74	11.59	240
1965	04-11-65	13.58	1,040	1975	04-23-75	11.88	310
1966	11-26-65	11.20	160	1976	03-26-76	12.40	470
1967	03-31-67	13.77	1,000	1977	-----	---	<20
1968	06-21-68	13.47	1,200	1978	07-23-78	12.87	660

STATION NO. - 05398000
DRAINAGE AREA - 4,020 SQ MI

STATION NAME - WISCONSIN RIVER AT ROTHSCHILD, WIS.
GAGE DATUM - 1,135.86 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1941	09-01-41	22.3	75,000	1962	05-14-62	11.98	# 21,900
1945	03-18-45	14.04	# 28,600	1963	05-13-63	9.38	# 14,100
1946	03-18-46	13.98	# 28,600	1964	05-09-64	8.71	# 12,500
1947	04-06-47	12.43	# 23,200	1965	04-12-65	18.46	# 49,200
1948	03-27-48	10.26	# 16,400	1966	03-19-66	12.43	# 23,200
1949	03-30-49	9.16	# 13,200	1967	03-31-67	18.46	# 49,200
1950	04-19-50	13.68	# 27,600	1968	06-27-68	13.23	# 26,000
1951	04-08-51	15.31	# 33,200	1969	06-27-69	14.16	# 29,600
1952	04-02-52	14.80	# 31,400	1970	06-01-70	9.79	# 14,800
1953	03-23-53	15.06	# 32,500	1971	04-12-71	16.20	# 38,400
1954	05-03-54	13.70	# 27,600	1972	04-18-72	16.66	# 40,500
1955	04-03-55	11.20	# 19,200	1973	05-03-73	16.98	# 42,000
1956	04-06-56	12.45	# 23,400	1974	04-14-74	10.30	# 15,400
1957	04-20-57	7.06	# 8,500	1975	04-24-75	13.85	# 28,200
1958	04-07-58	10.74	# 17,800	1976	03-31-76	27.37	43,800
1959	09-27-59	17.81	# 47,000	1977	04-20-77	16.64	7,730
1960	05-07-60	17.05	# 42,900	1978	07-23-78	22.95	# 25,000
1961	03-28-61	15.36	# 34,700				

DENOTES ANNUAL PEAK DISCHARGE AFFECTED BY KNOWN REGULATION OR DIVERSION

* DENOTES ANNUAL PEAK GAGE HEIGHT OCCURRED AT A TIME DIFFERENT THAN THAT OF PEAK DISCHARGE

TABLE 4. ANNUAL PEAK DATA AT GAGING STATIONS -- Continued.

STATION NO. - 05398500
DRAINAGE AREA - 27.4 SQ MI

STATION NAME - BULL CREEK JR NEAR ROTHSCCHILD WIS
GAGE DATUM - 1,190 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1944	06-14-44	3.40	326	1948	03-23-48	3.10	276
1945	03-18-45	4.20	671	1949	03-31-49	2.50	115
1946	03-15-46	3.70	484	1950	04-12-50	2.90	214
1947	04-07-47	3.00	173	1951	04-08-51	3.68	484

STATION NO. - 05399000
DRAINAGE AREA - 78.1 SQ MI

STATION NAME - BIG EAU PLEINE RIVER NEAR COLBY, WIS.
GAGE DATUM - 1,270.00 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1942	05-30-42	7.9	3,580	1949	03-27-49	5.48	1,150
1943	06-27-43	11.05	9,370	1950	03-28-50	6.7	1,900
1944	04-07-44	5.00	843	1951	04-08-51	7.6	3,300
1945	03-17-45	8.54	4,660	1952	04-01-52	---	1,500
1946	03-14-46	8.0	3,880	1953	03-22-53	7.6	3,300
1947	04-06-47	6.8	2,310	1954	05-03-54	8.0	3,880
1948	03-21-48	6.0	1,530				

STATION NO. - 05399200
DRAINAGE AREA - .56 SQ MI

STATION NAME - RANDALL CREEK TRIBUTARY NEAR ABBOTTSFORD, WIS
GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1959	09-27-59	11.49	80	1969	06-26-69	12.62	190
1960	05-07-60	11.44	75	1970	05-22-70	12.40	165
1961	03-27-61	11.71	100	1971	04-09-71	14.14	140
1962	09-13-62	11.10	70	1972	09-26-72	12.83	215
1963	05-13-63	10.99	45	1973	03-12-73	12.55	185
1964	09-02-64	12.40	165	1974	06-10-74	10.80	40
1965	09-28-65	11.02	45	1975	04-28-75	12.01	125
1966	06-05-66	12.70	200	1976	03-30-76	12.27	155
1967	08-27-67	10.73	30	1977	03-19-77	11.18	55
1968	05-16-68	13.71	315	1978	09-12-78	12.96	230

STATION NO. - 05399500
DRAINAGE AREA - 224 SQ MI

STATION NAME - BIG EAU PLEINE RIVER NEAR STRATFORD, WIS.
GAGE DATUM - 1,154.24 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1914	06-05-14	---	40,000	1952	04-01-52	17.31	11,500
1915	05-21-15	---	3,420	1953	03-22-53	16.71	10,600
1916	04-21-16	---	6,050	1954	05-03-54	14.54	7,650
1917	04-04-17	---	3,770	1955	10-14-54	13.23	6,200
1918	05-26-18	---	6,510	1956	04-05-56	16.60	10,500
1919	08-07-19	---	5,610	1957	03-15-57	13.06	4,000
1920	11-10-19	---	8,810	1958	06-05-58	15.52	8,890
1921	04-27-21	---	8,150	1959	09-27-59	12.69	5,610
1922	04-09-22	---	9,900	1960	12-28-59	15.20	8,460
1923	04-18-23	---	2,510	1961	03-26-61	14.05	7,100
1924	08-22-24	---	8,810	1962	09-13-62	13.08	6,040
1925	06-17-25	---	2,710	1963	03-26-63	---	6,730
1937	05-01-37	7.6	1,650	1964	09-02-64	---	10,700
1938	09-09-38	24.5	41,000	1965	04-11-65	---	13,700
1939	03-24-39	14.95	8,200	1966	12-12-65	---	8,350
1940	06-24-40	16.35	10,200	1967	03-30-67	---	18,100
1941	09-16-41	14.10	7,160	1968	05-16-68	19.01	14,800
1942	05-30-42	16.08	9,710	1969	06-27-69	15.93	9,340
1943	06-27-43	20.5	18,500	1970	05-22-70	16.45	10,170
1944	06-25-44	10.28	3,370	1971	04-09-71	16.85	8,900
1945	08-31-45	22.2	24,700	1972	09-26-72	18.91	14,600
1946	03-14-46	14.87	7,840	1973	05-02-73	* 15.62	8,840
1947	03-24-47	13.99	7,050	1974	04-04-74	13.11	5,520
1948	03-21-48	15.16	8,460	1975	04-28-75	11.71	4,110
1949	03-22-49	14.34	7,380	1976	03-30-76	16.01	9,470
1950	03-27-50	16.63	10,500	1977	04-03-77	* ---	1,400
1951	04-07-51	15.85	9,280	1978	07-22-78	15.65	9,350

* DENOTES ANNUAL PEAK GAGE HEIGHT OCCURRED AT A TIME DIFFERENT THAN THAT OF PEAK DISCHARGE

DENOTES ANNUAL PEAK DISCHARGE AFFECTED BY KNOWN REGULATION OR DIVERSION

TABLE 4. ANNUAL PEAK DATA AT GAGING STATIONS -- Continued.

STATION NO. - 05400000
DRAINAGE AREA - 4,530 SQ MI

STATION NAME - WISCONSIN RIVER AT KNOWLTON, WIS.
GAGE DATUM - 1095.9 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1921	04-29-21	16.0	# 37,400	1932	04-08-32	14.0	# 31,300
1922	04-11-22	18.6	# 46,800	1933	04-11-33	9.98	# 19,500
1923	04-22-23	16.55	# 38,600	1934	04-05-34	13.7	# 30,400
1924	04-18-24	15.0	# 33,900	1935	03-22-35	18.9	# 47,600
1925	06-14-25	8.72	# 14,100	1936	03-24-36	17.25	# 41,800
1926	08-22-26	18.6	# 46,600	1937	04-25-37	10.75	# 20,800
1927	03-18-27	12.92	# 28,000	1938	09-11-38	19.91	# 51,900
1928	09-16-28	17.35	# 42,500	1939	03-27-39	15.90	# 37,000
1929	04-08-29	16.80	# 40,500	1940	06-09-40	16.17	# 38,100
1930	06-15-30	15.80	# 37,200	1941	09-02-41	20.5	# 54,300
1931	06-22-31	6.50	# 9,590	1942	05-31-42	18.65	# 46,800

STATION NO. - 05400025
DRAINAGE AREA - 25.1 SQ MI

STATION NAME - JOHNSON CREEK NEAR KNOWLTON, WIS
GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1973	05-02-73	18.59	5,000	1976	03-25-76	18.92	5,700
1974	04-03-74	13.35	375	1977	-----	---	<550
1975	09-11-75	18.92	5,700	1978	07-23-78	20.10	8,400

STATION NO. - 05400500
DRAINAGE AREA - 145 SQ MI

STATION NAME - PLOVER RIVER NEAR STEVENS POINT, WIS.
GAGE DATUM - 1,110.00 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1914	06-05-14	4.8	1,610	1945	03-18-45	4.0	1,020
1915	04-10-15	2.7	494	1946	03-15-46	3.46	781
1916	04-23-16	3.5	750	1947	04-07-47	2.4	446
1917	05-01-17	2.6	466	1948	03-22-48	3.18	680
1918	05-28-18	3.3	670	1949	03-23-49	2.5	473
1919	06-27-19	4.4	1,300	1950	03-29-50	4.2	1,160
1944	06-13-44	2.9	590	1951	04-09-51	3.46	781

STATION NO. - 05400600
DRAINAGE AREA - 2.24 SQ MI

STATION NAME - LITTLE PLOVER RIVER NEAR ARNOTT, WIS.
GAGE DATUM - 1,087.37 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1960	05-06-60	2.89	55	1968	06-27-68	2.15	24
1961	03-25-61	3.06	63	1969	05-27-69	2.85	53
1962	09-13-62	3.43	66	1970	05-28-70	3.28	60
1963	03-26-63	2.66	44	1971	04-08-71	2.04	18
1964	09-02-64	1.97	14	1972	09-26-72	2.60	42
1965	04-07-65	2.81	51	1973	03-07-73	3.25	72
1966	12-12-65	2.30	29	1974	03-03-74	2.15	23
1967	06-16-67	2.97	59	1975	04-28-75	2.29	25

STATION NO. - 05400650
DRAINAGE AREA - 1.0 SQ MI

STATION NAME - LITTLE PLOVER RIVER AT PLOVER, WIS.
GAGE DATUM - 1,068.34 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1960	05-07-60	2.41	60	1970	05-28-70	2.77	64
1961	03-26-61	2.41	60	1971	04-09-71	1.90	27
1962	09-13-62	2.82	67	1972	09-26-72	2.70	60
1963	03-26-63	2.70	49	1973	03-07-73	---	99
1964	09-02-64	1.17	17	1974	04-04-74	1.95	28
1965	04-07-65	2.73	59	1975	04-28-75	2.33	46
1966	02-09-66	2.95	79	1976	03-20-76	---	50
1967	06-16-67	2.80	70	1977	04-02-77	* 1.33	16
1968	06-27-68	2.09	32	1978	04-10-78	1.66	22
1969	05-27-69	2.78	63				

* DENOTES ANNUAL PEAK GAGE HEIGHT OCCURRED AT A TIME DIFFERENT THAN THAT OF PEAK DISCHARGE
DENOTES ANNUAL PEAK DISCHARGE AFFECTED BY KNOWN REGULATION OR DIVERSION

TABLE 4. ANNUAL PEAK DATA AT GAGING STATIONS -- Continued.

STATION NO. - 05400800
DRAINAGE AREA - 5,430 SQ MI

STATION NAME - WISCONSIN RIVER AT WISCONSIN RAPIDS, WIS.
GAGE DATUM - 887.83 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1914	06-08-14	---	# 54,000	1943	06-29-43	18.05	# 59,600
1915	05-24-15	---	# 20,200	1944	06-15-44	10.86	# 21,300
1916	04-24-16	---	# 51,200	1945	03-19-45	14.21	# 34,300
1917	04-05-17	---	# 24,700	1946	03-18-46	13.98	# 33,400
1918	05-30-18	---	# 34,000	1947	04-07-47	11.40	# 22,900
1919	06-27-19	---	# 26,900	1948	03-28-48	10.56	# 21,600
1920	03-28-20	---	# 52,900	1949	03-31-49	8.82	# 15,200
1921	03-22-21	---	# 39,400	1958	04-07-58	---	# 17,400
1922	04-12-22	---	# 61,000	1959	09-29-59	---	# 49,100
1923	04-23-23	---	# 44,800	1960	05-08-60	---	# 59,400
1924	04-19-24	---	# 38,200	1961	03-28-61	---	# 41,000
1925	06-15-25	---	# 19,400	1962	04-10-62	---	# 27,200
1926	08-23-26	---	# 52,700	1963	05-14-63	---	# 25,000
1927	03-15-27	---	# 38,800	1964	09-11-64	---	# 15,500
1928	03-26-28	---	# 52,100	1965	04-13-65	---	# 64,000
1929	04-09-29	---	# 46,600	1966	12-14-65	---	# 33,200
1930	06-16-30	---	# 40,600	1967	04-03-67	---	# 61,000
1931	06-23-31	---	# 11,700	1968	06-29-68	---	# 35,000
1932	04-09-32	---	# 37,000	1969	06-28-69	---	# 42,400
1933	04-12-33	---	# 22,100	1970	05-29-70	---	# 20,100
1934	04-06-34	---	# 37,000	1971	04-14-71	---	# 46,700
1935	03-24-35	18.9	# 68,500	1972	04-20-72	---	# 44,100
1936	03-26-36	16.50	# 48,100	1973	03-15-73	---	# 52,600
1937	04-26-37	11.55	# 23,700	1974	04-14-74	---	# 21,100
1938	09-12-38	19.10	# 70,400	1975	04-29-75	---	# 30,000
1939	03-28-39	16.61	# 48,900	1976	03-31-76	---	# 51,300
1940	06-26-40	17.00	# 52,100	1977	04-21-77	---	# 10,000
1941	09-03-41	18.09	# 59,600	1978	07-24-78	---	# 27,100
1942	09-20-42	17.83	# 57,900				

STATION NO. - 05401050
DRAINAGE AREA - 73.3 SQ MI

STATION NAME - TENMILE CREEK NEAR NEKOOSA, WIS.
GAGE DATUM - 967.39 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1964	05-09-64	4.73	91	1972	09-30-72	5.70	247
1965	04-12-65	5.83	274	1973	03-15-73	6.47	411
1966	03-24-66	5.70	247	1974	04-16-74	5.25	157
1967	03-31-67	5.84	275	1975	04-29-75	5.78	247
1968	06-28-68	5.69	245	1976	03-21-76	5.30	164
1969	04-04-69	6.07	326	1977	04-03-77	* 4.68	87
1970	06-02-70	5.17	155	1978	05-15-78	5.46	190
1971	04-02-71	5.50	210				

STATION NO. - 05401100
DRAINAGE AREA - 7.0 SQ MI

STATION NAME - FOURTEENMILE CREEK NEAR NEW ROME, WIS.
GAGE DATUM - 980.00 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1961	03-28-61	12.36	260	1970	11-14-69	4.05	172
1962	05-03-62	12.30	255	1971	11-12-70	5.50	259
1963	03-27-63	12.05	230	1972	09-30-72	5.68	374
1964	05-08-64	3.47	126	1973	05-09-73	6.05	546
1965	04-12-65	4.33	194	1974	04-04-74	3.75	177
1966	03-24-66	5.56	275	1975	04-30-75	4.46	216
1967	06-17-67	5.49	270	1976	04-25-76	4.03	182
1968	04-25-68	5.15	250	1977	04-21-77	2.58	39
1969	04-06-69	5.34	261	1978	05-15-78	4.36	231

* DENOTES ANNUAL PEAK GAGE HEIGHT OCCURRED AT A TIME DIFFERENT THAN THAT OF PEAK DISCHARGE

DENOTES ANNUAL PEAK DISCHARGE AFFECTED BY KNOWN REGULATION OR DIVERSION

TABLE 4. ANNUAL PEAK DATA AT GAGING STATIONS -- Continued.

STATION NO. - 05401500
DRAINAGE AREA - 5,990 SQ MI

STATION NAME - WISCONSIN RIVER NEAR NECEDAH, WIS.
GAGE DATUM - 880.00 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1903	09-18-03	14.8	# 60,500	1913	04-06-13	13.9	# 49,600
1904	05-30-04	12.6	# 35,900	1914	06-08-14	15.5	# 69,700
1905	06-10-05	17.2	# 96,400	1944	06-16-44	13.21	# 20,100
1906	04-16-06	13.4	# 44,000	1945	03-20-45	16.0	# 34,400
1907	03-30-07	13.4	# 44,000	1946	03-20-46	15.9	# 34,000
1908	05-01-08	12.2	# 32,300	1947	04-08-47	14.06	# 24,600
1909	04-24-09	11.5	# 26,800	1948	03-29-48	13.70	# 21,500
1910	11-17-09	10.4	# 20,100	1949	04-02-49	11.10	# 11,700
1911	05-26-11	10.9	# 22,900	1950	04-19-50	15.4	# 29,700
1912	10-10-11	16.9	# 91,600				

STATION NO. - 05401535
DRAINAGE AREA - 52.8 SQ MI

STATION NAME - BIG ROCHE A CRI CREEK NEAR ADAMS, WIS.
GAGE DATUM - 959.45 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1964	05-06-64	4.25	78	1972	09-29-72	---	250
1965	04-12-65	3.75	136	1973	03-09-73	6.82	623
1966	03-25-66	4.59	178	1974	04-17-74	4.66	174
1967	03-31-67	3.87	142	1975	04-30-75	5.55	250
1968	06-28-68	4.02	150	1976	04-26-76	4.39	159
1969	04-06-69	4.37	168	1977	04-10-77	3.28	95
1970	06-03-70	3.98	142	1978	05-15-78	4.51	167
1971	05-20-71	4.58	174				

STATION NO. - 05401800
DRAINAGE AREA - 7.23 SQ MI

STATION NAME - YELLOW RIVER TRIBUTARY NEAR PITTSVILLE, WIS
GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1959	09-27-59	12.40	350	1969	04-04-69	13.00	580
1960	05-06-60	11.82	260	1970	05-28-70	12.70	475
1961	03-27-61	12.07	320	1971	04-08-71	11.84	240
1962	03-29-62	11.90	280	1972	04-10-72	12.66	470
1963	05-13-63	11.90	280	1973	05-02-73	13.82	810
1964	05-08-64	12.13	340	1974	04-03-74	12.08	325
1965	09-19-65	13.30	600	1975	04-13-75	12.21	360
1966	02-08-66	11.96	300	1976	03-30-76	13.32	670
1967	03-31-67	12.85	540	1977	06-10-77	12.70	470
1968	05-16-68	13.05	590	1978	08-23-78	12.70	470

STATION NO. - 05402000
DRAINAGE AREA - 215 SQ MI

STATION NAME - YELLOW RIVER AT BABCOCK, WIS.
GAGE DATUM - 954.75 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1944	06-19-44	13.6	4,880	1962	03-31-62	11.61	3,030
1945	03-18-45	15.78	8,430	1963	03-27-63	16.03	8,810
1946	06-12-46	13.0	4,270	1964	05-09-64	12.15	3,500
1947	04-06-47	11.2	2,700	1965	04-12-65	14.61	6,320
1948	03-21-48	12.88	4,180	1966	03-19-66	12.85	4,650
1949	04-06-49	9.03	1,360	1967	03-31-67	17.05	10,800
1950	03-28-50	13.98	5,400	1968	05-17-68	15.53	7,890
1951	04-08-51	14.81	6,620	1969	06-28-69	14.57	6,260
1952	04-02-52	17.38	11,600	1970	05-29-70	13.53	4,800
1953	03-22-53	15.06	7,130	1971	04-09-71	13.09	4,350
1954	05-03-54	12.24	3,760	1972	09-29-72	14.17	5,220
1955	10-04-54	12.90	4,180	1973	04-17-73	15.46	7,550
1956	04-05-56	15.85	8,470	1974	04-04-74	12.05	3,220
1957	05-27-57	5.52	462	1975	04-29-75	14.57	6,160
1958	04-07-58	11.68	3,080	1976	03-31-76	13.17	4,300
1959	04-01-59	12.62	3,400	1977	06-12-77	6.98	876
1960	05-07-60	14.14	5,460	1978	09-14-78	14.03	5,470
1961	03-28-61	15.41	7,680				

DENOTES ANNUAL PEAK DISCHARGE AFFECTED BY KNOWN REGULATION OR DIVERSION

TABLE 4. ANNUAL PEAK DATA AT GAGING STATIONS -- Continued.

STATION NO. - 05402500

DRAINAGE AREA - 392 SQ MI

STATION NAME - YELLOW RIVER AT SPRAGUE, WIS.

GAGE DATUM - 910.00 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1927	03-15-27	12.2	3,740	1934	04-06-34	10.4	1,420
1928	09-17-28	14.0	7,060	1935	03-23-35	12.4	4,080
1929	03-20-29	12.8	4,800	1936	03-25-36	13.0	5,160
1930	06-16-30	12.8	4,800	1937	04-05-37	11.4	2,420
1931	06-24-31	7.4	602	1938	09-11-38	13.38	5,920
1932	04-08-32	13.2	5,540	1939	04-20-39	11.8	3,060
1933	04-03-33	10.4	1,450	1940	06-26-40	11.3	2,260

STATION NO. - 05403000

DRAINAGE AREA - 491 SQ MI

STATION NAME - YELLOW RIVER AT NECEDAH, WIS.

GAGE DATUM - 884.08 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1941	04-05-41	14.7	6,810	1950	03-30-50	13.7	4,910
1942	06-02-42	15.50	8,400	1951	04-09-51	15.60	8,620
1943	04-01-43	16.0	9,500	1952	04-03-52	17.10	12,800
1944	06-22-44	13.38	4,500	1953	03-24-53	15.24	8,020
1945	03-19-45	15.8	9,060	1954	05-06-54	13.20	4,120
1946	03-17-46	14.52	6,300	1955	10-06-54	13.50	4,600
1947	04-10-47	12.2	2,760	1956	04-07-56	15.60	8,990
1948	03-23-48	14.0	5,040	1957	05-31-57	9.30	854
1949	04-10-49	10.7	1,620				

STATION NO. - 05403500

DRAINAGE AREA - 507 SQ MI

STATION NAME - LEMONWEIR RIVER AT NEW LISBON, WIS.

GAGE DATUM - 867.05 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1944	06-20-44	8.2	1,610	1962	03-31-62	11.20	3,790
1945	03-17-45	11.28	3,850	1963	03-27-63	10.65	3,190
1946	03-16-46	11.28	3,850	1964	05-11-64	5.82	779
1947	06-16-47	9.54	2,140	1965	09-23-65	12.42	4,840
1948	03-21-48	10.58	2,960	1966	10-01-65	11.56	3,640
1949	04-04-49	6.3	920	1967	06-17-67	10.94	3,140
1950	03-28-50	9.8	2,360	1968	06-30-68	10.67	3,210
1951	04-10-51	11.40	3,720	1969	07-01-69	10.59	2,930
1952	04-02-52	12.40	5,300	1970	06-03-70	9.45	2,160
1953	03-24-53	9.80	2,480	1971	04-02-71	9.37	2,100
1954	07-08-54	11.0	3,140	1972	09-28-72	12.30	4,460
1955	10-06-54	9.85	2,320	1973	04-18-73	12.48	4,980
1956	04-05-56	12.60	5,580	1974	04-05-74	9.81	2,400
1957	05-28-57	6.70	1,110	1975	05-01-75	10.67	3,070
1958	04-10-58	5.25	710	1976	04-26-76	9.72	2,330
1959	04-03-59	10.75	3,300	1977	04-03-77	5.62	686
1960	05-08-60	12.94	6,880	1978	07-04-78	12.59	5,130
1961	03-29-61	12.24	5,480				

STATION NO. - 05403520

DRAINAGE AREA - 11.8 SQ MI

STATION NAME - WEBSTER CREEK AT NEW LISBON, WIS

GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1961	03-27-61	13.96	335	1970	05-31-70	11.28	30
1962	03-29-62	13.66	275	1971	05-19-71	12.76	135
1963	03-24-63	12.85	145	1972	09-26-72	13.68	260
1964	05-16-64	10.96	20	1973	05-07-73	13.74	270
1965	09-28-65	14.37	425	1974	04-04-74	12.86	150
1966	02-08-66	14.75	520	1975	04-28-75	13.33	210
1967	06-16-67	13.47	175	1976	05-16-76	12.09	65
1968	06-26-68	13.07	120	1977	07-03-77	11.70	45
1969	04-04-69	13.04	175	1978	04-02-78	13.70	260

TABLE 4. ANNUAL PEAK DATA AT GAGING STATIONS -- Continued.

STATION NO. - 05403550
DRAINAGE AREA - 30.2 SQ MI

STATION NAME - ONE MILE CREEK NEAR MAUSTON, WIS
GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1958	04-06-58	12.35	175	1969	04-04-69	13.59	320
1959	04-01-59	13.34	280	1970	05-31-70	12.37	180
1960	05-07-60	15.58	940	1971	03-14-71	13.80	360
1961	03-26-61	16.16	1,300	1972	09-26-72	14.92	650
1962	03-28-62	16.36	1,550	1973	03-07-73	15.22	770
1963	03-24-63	15.08	695	1974	04-04-74	14.46	510
1964	05-08-64	11.51	115	1975	04-28-75	14.15	430
1965	09-28-65	14.92	650	1976	03-12-76	12.68	205
1966	02-08-66	16.37	1,560	1977	09-24-77	11.67	120
1967	03-24-67	14.64	560	1978	04-02-78	15.44	890
1968	06-26-68	13.48	300				

STATION NO. - 05403610
DRAINAGE AREA - 1.39 SQ MI

STATION NAME - WISCONSIN RIVER TRIBUTARY AT WISCONSIN DELLS,
GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1962	07-02-62	10.25	12	1971	05-19-71	10.28	13
1963	-----	---	<10	1972	-----	---	<10
1964	-----	---	<10	1973	03-07-73	10.84	27
1965	03-01-65	10.56	20	1974	05-14-74	11.20	38
1966	02-08-66	10.93	30	1975	03-21-75	10.09	10
1967	06-11-67	10.21	11	1976	-----	---	<10
1968	08-19-68	10.14	10	1977	-----	---	<10
1969	-----	---	<10	1978	04-02-78	10.57	20
1970	-----	---	<10				

STATION NO. - 05403630
DRAINAGE AREA - 11.2 SQ MI

STATION NAME - HULBURT CREEK NEAR WISCONSIN DELLS, WIS.
GAGE DATUM - 840.00 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1974	05-14-74	3.62	90	1977	02-24-77	* 2.73	33
1975	03-22-75	3.85	112	1978	07-01-78	3.90	117
1976	03-19-76	4.10	81				

STATION NO. - 05403700
DRAINAGE AREA - 44.9 SQ MI

STATION NAME - DELL CREEK NEAR LAKE DELTON, WIS.
GAGE DATUM - 847.49 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1958	04-06-58	4.28	98	1969	06-27-69	5.95	252
1959	05-11-59	8.04	753	1970	05-31-70	5.61	225
1960	03-28-60	6.86	485	1971	05-19-71	5.78	250
1961	02-24-61	5.71	236	1972	03-17-72	6.30	276
1962	03-29-62	5.91	307	1973	03-07-73	7.54	586
1963	03-23-63	6.63	411	1974	03-03-74	6.97	357
1964	07-29-64	5.01	142	1975	03-22-75	7.86	662
1965	03-02-65	8.38	992	1976	03-20-76	7.97	562
1966	03-23-66	5.60	200	1977	02-24-77	5.76	173
1967	03-24-67	6.29	317	1978	07-01-78	7.54	457
1968	01-29-68	8.76	1,130				

* DENOTES ANNUAL PEAK GAGE HEIGHT OCCURRED AT A TIME DIFFERENT THAN THAT OF PEAK DISCHARGE

TABLE 4. ANNUAL PEAK DATA AT GAGING STATIONS -- Continued.

STATION NO. - 05404000
DRAINAGE AREA - 8,090 SQ MI

STATION NAME - WISCONSIN RIVER NEAR WISCONSIN DELLS, WIS.
GAGE DATUM - 801.48 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1935	03-27-35	17.80	# 64,600	1957	03-18-57	3.01	# 7,130
1936	03-29-36	14.75	# 46,300	1958	07-09-58	3.53	# 8,240
1937	04-28-37	9.90	# 25,000	1959	09-30-59	12.97	# 43,800
1938	09-14-38	18.83	# 72,200	1960	05-10-60	16.02	# 63,300
1939	03-30-39	15.05	# 48,500	1961	03-31-61	10.27	# 30,100
1940	06-28-40	14.90	# 50,700	1962	05-16-62	10.38	# 30,500
1941	09-05-41	13.53	# 43,600	1963	05-15-63	8.34	# 22,500
1942	06-04-42	15.13	# 52,800	1964	09-11-64	11.19	# 16,500
1943	06-04-43	15.63	# 57,500	1965	04-15-65	18.95	# 50,200
1944	06-17-44	8.31	# 20,700	1966	03-24-66	15.87	# 33,800
1945	03-22-45	13.08	# 43,000	1967	04-05-67	19.22	# 51,800
1946	03-19-46	13.63	# 45,600	1968	06-28-68	17.30	# 42,100
1947	04-09-47	8.93	# 24,800	1969	06-30-69	17.91	# 46,300
1948	03-27-48	8.82	# 24,400	1970	06-02-70	13.17	# 24,800
1949	04-04-49	5.43	# 12,400	1971	04-13-71	15.95	# 36,000
1950	04-21-50	10.13	# 29,900	1972	09-29-72	17.77	# 45,500
1951	04-11-51	15.58	# 61,700	1973	03-16-73	20.70	# 62,600
1952	04-14-52	9.76	# 28,600	1974	04-15-74	13.39	# 27,300
1953	04-13-53	8.74	# 24,000	1975	04-30-75	15.88	# 37,400
1954	05-05-54	10.47	# 31,600	1976	03-31-76	16.68	41,000
1955	06-13-55	10.06	# 29,700	1977	04-23-77	7.16	8,460
1956	04-11-56	10.00	# 29,500	1978	07-07-78	13.81	# 28,900

STATION NO. - 05404200
DRAINAGE AREA - 40.1 SQ MI

STATION NAME - NARROWS CREEK AT LOGANVILLE, WIS
GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1958	04-05-58	10.10	250	1969	06-27-69	15.24	3,050
1959	04-01-59	14.22	1,580	1970	05-30-70	12.50	625
1960	05-07-60	15.90	4,600	1971	03-15-71	13.45	970
1961	09-30-61	14.97	2,550	1972	08-20-72	14.93	2,500
1962	03-28-62	14.88	2,400	1973	04-16-73	14.47	1,850
1963	03-23-63	14.55	1,950	1974	02-20-74	14.34	1,700
1964	06-21-64	11.30	400	1975	04-28-75	13.88	1,250
1965	09-17-65	15.66	3,950	1976	03-19-76	15.00	2,650
1966	03-23-66	13.98	1,370	1977	02-25-77	14.36	1,700
1967	01-25-67	14.89	2,450	1978	07-01-78	14.40	1,750
1968	01-29-68	14.35	1,700				

STATION NO. - 05405000
DRAINAGE AREA - 608 SQ MI

STATION NAME - BARABOO RIVER NEAR BARABOO, WIS.
GAGE DATUM - 788.21 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1914	06-25-14	---	1,030	1957	06-13-57	9.45	808
1915	09-17-15	---	1,700	1958	04-07-58	10.05	940
1916	03-27-16	---	2,500	1959	04-05-59	21.35	5,910
1917	03-26-17	---	7,900	1960	05-10-60	18.50	4,220
1918	03-20-18	---	4,170	1961	03-30-61	21.10	5,640
1919	03-20-19	---	4,550	1962	04-01-62	18.94	4,150
1920	06-22-20	---	7,360	1963	03-28-63	18.45	3,870
1921	05-28-21	---	2,110	1964	06-23-64	9.02	710
1935	08-06-35	15.8	5,100	1965	03-06-65	19.8	4,500
1943	03-29-43	16.4	3,000	1966	02-13-66	22.68	5,900
1944	02-28-44	14.24	2,210	1967	03-29-67	16.43	3,220
1945	06-05-45	16.66	3,110	1968	06-29-68	14.09	2,180
1946	03-17-46	18.78	3,880	1969	03-27-69	13.50	1,890
1947	06-14-47	18.02	3,400	1970	06-04-70	12.70	1,650
1948	03-21-48	20.63	5,340	1971	03-16-71	13.84	2,040
1949	06-29-49	13.4	1,950	1972	03-22-72	17.65	3,350
1950	03-29-50	21.16	5,760	1973	04-19-73	20.06	4,310
1951	03-31-51	17.93	3,550	1974	03-07-74	15.91	2,720
1952	04-04-52	18.63	3,800	1975	03-22-75	16.98	3,090
1953	03-23-53	13.31	2,020	1976	03-21-76	17.88	3,270
1954	07-08-54	14.0	2,150	1977	02-25-77	11.36	1,300
1955	04-25-55	12.95	1,800	1978	07-06-78	20.96	4,600
1956	04-06-56	20.60	5,340				

DENOTES ANNUAL PEAK DISCHARGE AFFECTED BY KNOWN REGULATION OR DIVERSION

TABLE 4. ANNUAL PEAK DATA AT GAGING STATIONS -- Continued.

STATION NO. - 05405600

DRAINAGE AREA - 10.4 SQ MI

STATION NAME - ROWAN CREEK AT POYNETTE, WIS

GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1961	03-06-61	11.63	150	1970	-----	---	<20
1962	03-28-62	12.45	250	1971	03-31-71	11.67	150
1963	03-24-63	13.13	350	1972	03-17-72	11.70	160
1964	03-05-64	10.92	80	1973	05-02-73	16.50	1,330
1965	09-09-65	17.90	2,260	1974	03-04-74	13.66	450
1966	02-08-66	13.11	350	1975	03-22-75	12.99	330
1967	01-25-67	13.65	450	1976	03-19-76	15.16	820
1968	10-24-67	10.54	50	1977	03-27-77	11.65	150
1969	06-25-69	12.92	315	1978	07-01-78	10.95	80

STATION NO. - 05406000

DRAINAGE AREA - 9,180 SQ MI

STATION NAME - WISCONSIN RIVER AT PRAIRIE DU SAC, WIS.

GAGE DATUM - 729.64 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1944	06-18-44	10.8	# 25,000	1949	04-04-49	7.70	# 13,400
1945	03-23-45	15.8	# 52,300	1950	04-24-50	12.66	# 34,900
1946	03-19-46	15.79	# 52,300	1951	04-13-51	17.10	# 67,700
1947	04-10-47	12.23	# 32,700	1952	04-11-52	12.00	# 32,300
1948	03-30-48	11.20	# 28,100	1953	04-14-53	11.10	# 27,300

STATION NO. - 05406500

DRAINAGE AREA - 45.6 SQ MI

STATION NAME - BLACK EARTH CREEK AT BLACK EARTH, WIS.

GAGE DATUM - 812.95 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1954	07-03-54	6.58	1,750	1967	01-25-67	---	631
1955	02-20-55	5.28	654	1968	09-18-68	3.16	148
1956	05-13-56	4.33	408	1969	06-27-69	4.61	457
1957	06-11-57	5.96	1,030	1970	09-24-70	2.97	141
1958	02-24-58	3.60	266	1971	03-15-71	3.24	196
1959	04-01-59	5.83	1,120	1972	03-17-72	4.39	451
1960	07-03-60	5.80	1,020	1973	03-07-73	4.87	577
1961	03-25-61	5.22	693	1974	01-27-74	5.08	585
1962	03-25-62	3.32	216	1975	03-21-75	4.64	514
1963	03-17-63	---	454	1976	03-12-76	5.47	834
1964	06-22-64	---	64	1977	02-24-77	4.03	367
1965	03-02-65	---	623	1978	07-01-78	5.13	681
1966	02-09-66	---	619				

STATION NO. - 05406800

DRAINAGE AREA - 1.68 SQ MI

STATION NAME - ROCKY BRANCH NEAR RICHLAND CENTER, WIS

GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1960	07-03-60	12.65	150	1970	05-22-70	10.86	50
1961	03-00-61	12.75	160	1971	03-14-71	11.04	60
1962	11-02-61	12.82	170	1972	08-26-72	17.40	1,100
1963	03-23-63	10.20	30	1973	05-07-73	11.35	70
1964	06-22-64	10.50	40	1974	08-22-74	11.89	105
1965	06-20-65	15.12	407	1975	04-28-75	13.72	255
1966	02-08-66	13.40	220	1976	03-12-76	11.26	55
1967	06-28-67	17.20	1,020	1977	03-29-77	11.60	85
1968	06-26-68	11.32	70	1978	07-01-78	14.79	380
1969	07-17-69	13.45	227				

DENOTES ANNUAL PEAK DISCHARGE AFFECTED BY KNOWN REGULATION OR DIVERSION

TABLE 4. ANNUAL PEAK DATA AT GAGING STATIONS -- Continued.

STATION NO. - 05407000
DRAINAGE AREA - 1,040 SQ MI

STATION NAME - WISCONSIN RIVER AT MUSCODA, WIS.
GAGE DATUM - 667.05 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1881	06-11-81	11.1	---	1946	03-21-46	* 9.00	# 51,300
1914	06-13-14	8.6	# 45,700	1947	04-12-47	6.70	# 30,700
1915	04-17-15	6.1	# 24,200	1948	03-28-48	* ---	# 27,900
1916	04-29-16	9.2	# 54,300	1949	04-07-49	* ---	# 13,200
1917	04-11-17	7.0	# 33,200	1950	04-24-50	* ---	# 30,700
1918	06-05-18	8.1	# 40,800	1951	04-14-51	9.95	# 64,800
1919	04-16-19	7.98	# 42,500	1952	04-16-52	6.80	# 31,500
1920	04-02-20	10.10	# 63,300	1953	04-15-53	5.82	# 24,600
1921	05-06-21	7.8	# 39,500	1954	05-09-54	6.85	# 31,900
1922	04-16-22	10.60	# 72,100	1955	06-16-55	6.07	# 25,600
1923	04-27-23	8.7	# 52,500	1956	04-15-56	6.81	# 31,600
1924	04-24-24	8.0	# 42,500	1957	06-12-57	3.35	# 12,000
1925	06-22-25	6.00	# 25,100	1958	07-11-58	* 3.16	# 10,700
1926	08-29-26	8.28	# 43,800	1959	04-03-59	5.91	# 25,300
1927	03-20-27	8.20	# 43,000	1960	05-12-60	10.17	# 67,200
1928	09-22-28	9.5	# 52,600	1961	04-03-61	7.34	# 35,800
1929	04-14-29	9.3	# 51,800	1962	04-14-62	7.21	# 34,800
1930	06-22-30	7.60	# 38,400	1963	05-18-63	5.38	# 22,800
1931	06-29-31	3.28	# 11,300	1964	05-13-64	4.54	# 18,100
1932	04-14-32	8.00	# 40,800	1965	04-18-65	8.95	# 48,500
1933	04-07-33	6.54	# 30,000	1966	03-27-66	7.41	# 34,100
1934	04-12-34	7.50	# 36,800	1967	04-07-67	9.47	# 54,200
1935	03-29-35	9.90	# 62,200	1968	07-02-68	8.46	# 43,600
1936	03-31-36	8.70	# 48,100	1969	07-03-69	8.67	# 45,700
1937	05-02-37	* 6.30	# 27,900	1970	06-05-70	6.00	# 25,000
1938	09-16-38	11.48	# 80,800	1971	04-16-71	8.00	# 39,100
1939	04-02-39	8.87	# 50,700	1972	04-24-72	8.63	# 48,200
1940	07-01-40	9.15	# 50,700	1973	03-20-73	10.36	# 65,000
1941	09-08-41	8.28	# 44,300	1974	04-18-74	6.40	# 30,100
1942	06-07-42	9.30	# 54,600	1975	05-03-75	8.03	# 42,800
1943	06-06-43	9.64	# 57,900	1976	04-04-76	8.47	46,700
1944	06-19-44	6.15	# 27,200	1977	04-25-77	2.92	11,400
1945	03-25-45	8.48	# 46,300	1978	07-10-78	6.88	# 31,800

STATION NO. - 05407100
DRAINAGE AREA - 19.2 SQ MI

STATION NAME - RICHLAND CREEK NEAR PLUGTOWN, WIS
GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1958	08-20-58	14.32	460	1969	06-26-69	13.13	325
1959	06-26-59	17.02	1,800	1970	-----	---	<75
1960	08-09-60	16.51	1,230	1971	07-27-71	11.16	150
1961	03-26-61	16.86	1,600	1972	04-21-72	14.29	450
1962	07-02-62	16.22	1,000	1973	02-01-73	14.58	490
1963	03-17-63	15.19	580	1974	04-14-74	14.11	430
1964	06-22-64	14.94	540	1975	04-28-75	15.87	800
1965	09-09-65	16.25	1,010	1976	03-12-76	12.26	240
1966	02-08-66	16.44	1,150	1977	07-18-77	12.42	255
1967	01-25-67	16.22	1,000	1978	06-17-78	17.41	2,380
1968	06-26-68	12.40	250				

STATION NO. - 05407200
DRAINAGE AREA - 12.9 SQ MI

STATION NAME - CROOKED CREEK NEAR BOSCOBEL, WIS
GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1959	06-26-59	13.29	700	1969	06-26-69	10.30	100
1960	05-07-60	17.55	2,130	1970	-----	---	<70
1961	04-23-61	13.35	720	1971	05-19-71	10.70	160
1962	11-02-61	11.09	220	1972	08-25-72	12.60	470
1963	03-17-63	12.33	460	1973	03-07-73	11.70	330
1964	07-27-64	18.21	2,460	1974	09-29-74	11.50	360
1965	09-09-65	14.34	1,000	1975	04-28-75	12.12	490
1966	02-08-66	12.70	550	1976	03-12-76	12.30	520
1967	01-25-67	12.82	580	1977	07-18-77	11.40	340
1968	01-29-68	12.90	600	1978	07-01-78	16.50	1,700

* DENOTES ANNUAL PEAK GAGE HEIGHT OCCURRED AT A TIME DIFFERENT THAN THAT OF PEAK DISCHARGE

DENOTES ANNUAL PEAK DISCHARGE AFFECTED BY KNOWN REGULATION OR DIVERSION

TABLE 4. ANNUAL PEAK DATA AT GAGING STATIONS -- Continued.

STATION NO. - 05407400
DRAINAGE AREA - 4.59 SQ MI

STATION NAME - MORRIS CREEK TRIBUTARY NEAR NORWALK, WIS
GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1960	10-24-59	13.10	950	1969	06-26-69	11.68	450
1961	03-27-61	12.44	700	1970	-----	---	<50
1962	03-28-62	11.71	460	1971	09-09-71	11.43	375
1963	03-25-63	11.02	260	1972	09-26-72	12.49	710
1964	04-02-64	10.23	85	1973	04-16-73	11.84	500
1965	09-09-65	11.98	540	1974	03-09-74	10.79	200
1966	02-08-66	11.71	460	1975	04-28-75	11.40	370
1967	06-16-67	13.38	1,060	1977	-----	---	<50
1968	06-23-68	13.00	910	1978	07-01-78	11.41	370

STATION NO. - 05408000
DRAINAGE AREA - 266 SQ MI

STATION NAME - KICKAPOO RIVER AT LA FARGE, WIS.
GAGE DATUM - 782.00 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1939	09-04-39	7.44	1,610	1959	05-21-59	11.76	5,100
1940	06-23-40	10.26	2,860	1960	03-28-60	11.42	4,330
1941	04-18-41	8.44	1,810	1961	03-26-61	12.70	7,040
1942	09-18-42	7.89	1,630	1962	03-29-62	11.72	4,530
1943	03-26-43	9.52	2,210	1963	03-25-63	10.52	2,740
1944	03-12-44	10.58	3,180	1964	04-03-64	7.10	1,290
1945	05-22-45	10.72	3,290	1965	09-20-65	11.46	3,990
1946	01-06-46	12.03	5,730	1966	02-09-66	13.67	9,910
1947	06-14-47	9.95	2,470	1967	06-16-67	12.34	6,010
1948	03-19-48	11.75	5,200	1968	06-22-68	10.95	3,140
1949	03-22-49	7.29	1,370	1969	04-05-69	8.86	1,760
1950	03-27-50	* 11.90	5,460	1970	03-04-70	7.76	1,100
1951	07-21-51	12.32	6,600	1971	04-01-71	7.61	1,340
1952	04-01-52	10.95	3,480	1972	09-27-72	10.33	2,420
1953	08-02-53	7.77	1,560	1973	04-16-73	11.92	4,670
1954	07-03-54	11.44	4,370	1974	03-04-74	10.90	2,800
1955	06-03-55	9.82	2,510	1975	04-29-75	9.25	1,950
1956	04-04-56	12.35	6,750	1976	03-13-76	9.14	1,910
1957	07-21-57	7.86	1,570	1977	06-05-77	7.20	1,220
1958	04-06-58	* 5.66	902	1978	07-01-78	14.92	14,300

STATION NO. - 05408500
DRAINAGE AREA - 8.44 SQ MI

STATION NAME - KNAPP CREEK NEAR BLOOMINGDALE, WIS.
GAGE DATUM - 960.00 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1954	07- -54	10.5	---	1962	03-28-62	3.43	533
1955	06-02-55	4.56	1,030	1963	03-23-63	2.88	347
1956	04-02-56	3.36	401	1964	05-15-64	2.08	136
1957	06-17-57	3.65	402	1965	04-10-65	3.62	614
1958	02-24-58	2.95	140	1966	02-09-66	4.32	749
1959	08-26-59	8.76	3,710	1967	06-16-67	4.87	898
1960	04-16-60	3.82	734	1968	06-21-68	5.18	790
1961	03-27-61	4.08	825	1969	04-03-69	2.67	160

STATION NO. - 05408800
DRAINAGE AREA - 7.27 SQ MI

STATION NAME - BISHOPS BRANCH NEAR VIROQUA, WIS
GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1959	08-27-59	13.64	5,800	1965	09-09-65	12.32	1,380
1960	07-02-60	12.84	2,600	1966	02-09-66	12.23	1,250
1961	03-27-61	11.57	620	1967	06-09-67	12.75	2,300
1962	03-29-62	11.44	530	1968	06-21-68	12.92	2,800
1963	03-17-63	11.19	390	1969	04-04-69	11.12	350
1964	09-10-64	10.55	120				

* DENOTES ANNUAL PEAK GAGE HEIGHT OCCURRED AT A TIME DIFFERENT THAN THAT OF PEAK DISCHARGE

TABLE 4. ANNUAL PEAK DATA AT GAGING STATIONS -- Continued.

STATION NO. - 05410000
DRAINAGE AREA - 617 SQ MI

STATION NAME - KICKAPOO RIVER AT GAYS MILLS, WIS.
GAGE DATUM - 685.75 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1913	-----	15.2	---	1931	06-22-31	4.0	874
1914	06-23-14	5.6	1,370	1932	07-12-32	11.5	4,350
1915	07-30-15	6.9	1,910	1933	03-31-33	14.1	7,470
1916	06-04-16	10.1	3,510	1934	04-05-34	12.95	5,790
1917	03-24-17	15.05	9,800	1964	04-07-64	8.30	1,220
1918	03-18-18	10.35	3,000	1965	03-03-65	15.05	6,920
1919	03-17-19	12.0	4,710	1966	02-10-66	16.00	10,600
1920	06-17-20	10.65	3,460	1967	06-18-67	13.18	3,540
1921	09-06-21	9.5	2,520	1968	06-29-68	12.05	2,420
1922	03-06-22	9.2	2,650	1969	04-07-69	11.10	1,650
1923	04-03-23	12.6	5,510	1970	03-04-70	9.00	1,130
1924	08-04-24	11.0	3,800	1971	03-17-71	9.73	1,400
1925	06-15-25	9.25	2,620	1972	03-21-72	12.55	2,540
1926	08-24-26	9.0	2,140	1973	04-17-73	14.45	5,090
1927	09-11-27	11.8	3,220	1974	03-06-74	12.35	2,420
1928	03-13-28	12.8	5,840	1975	04-30-75	12.34	2,260
1929	03-15-29	12.9	6,020	1976	03-14-76	12.37	2,370
1930	02-23-30	9.8	2,800	1977	07-19-77	8.52	1,020

STATION NO. - 05410500
DRAINAGE AREA - 690 SQ MI

STATION NAME - KICKAPOO RIVER AT STEUBEN, WIS.
GAGE DATUM - 657.82 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1934	04-05-34	---	5,830	1957	06-19-57	6.81	972
1935	08-08-35	---	8,600	1958	03-01-58	7.07	1,030
1936	03-12-36	---	3,650	1959	04-03-59	10.95	6,940
1937	03-08-37	---	4,340	1960	05-09-60	9.40	3,070
1938	09-11-38	10.18	3,400	1961	03-28-61	12.33	10,800
1939	03-15-39	8.19	1,860	1962	03-31-62	9.84	4,170
1940	03-31-40	8.38	2,230	1963	03-27-63	9.55	3,440
1941	04-04-41	8.14	1,800	1964	04-08-64	6.78	947
1942	09-21-42	8.59	2,540	1965	03-04-65	11.18	6,500
1943	03-28-43	8.62	2,570	1966	02-10-66	12.82	10,400
1944	06-19-44	* 8.78	3,050	1967	03-28-67	9.37	3,400
1945	06-03-45	9.03	3,370	1968	06-26-68	9.26	2,420
1946	03-08-46	10.25	7,630	1969	04-09-69	8.82	1,740
1947	06-17-47	8.70	2,570	1970	03-05-70	7.62	1,150
1948	03-19-48	9.92	5,640	1971	03-18-71	7.92	1,230
1949	03-05-49	8.42	1,790	1972	03-21-72	9.22	2,520
1950	03-27-50	10.06	6,160	1973	04-18-73	10.20	5,070
1951	07-22-51	13.66	10,300	1974	03-06-74	9.39	3,040
1952	04-03-52	9.75	4,470	1975	04-30-75	9.33	2,900
1953	08-05-53	8.06	1,430	1976	03-15-76	9.21	2,100
1954	07-07-54	9.25	2,570	1977	07-19-77	6.63	911
1955	06-07-55	8.78	1,670	1978	07-03-78	14.81	16,500
1956	04-05-56	10.88	6,310				

STATION NO. - 05413400
DRAINAGE AREA - 6.93 SQ MI

STATION NAME - PIGEON CREEK NEAR LANCASTER, WIS
GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1960	01-12-60	16.14	1,100	1970	03-03-70	11.61	280
1961	09-13-61	10.63	120	1971	09-10-71	11.50	260
1962	07-20-62	13.50	580	1972	07-16-72	18.95	1,860
1963	03-20-63	10.95	155	1973	06-17-73	17.06	1,360
1964	04-02-64	11.33	210	1974	08-26-74	15.12	900
1965	03-01-65	13.00	491	1975	06-14-75	11.62	280
1966	08-21-66	19.71	2,000	1976	03-12-76	13.40	560
1967	01-24-67	20.85	2,800	1977	07-18-77	14.50	760
1968	05-28-68	10.41	110	1978	06-17-78	16.48	1,200
1969	06-26-69	11.89	320				

* DENOTES ANNUAL PEAK GAGE HEIGHT OCCURRED AT A TIME DIFFERENT THAN THAT OF PEAK DISCHARGE

TABLE 4. ANNUAL PEAK DATA AT GAGING STATIONS -- Continued.

STATION NO. - 05413500
DRAINAGE AREA - 269 SQ MI

STATION NAME - GRANT RIVER AT BURTON, WIS.
GAGE DATUM - 606.89 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1935	03-04-35	---	6,820	1957	07-31-57	17.56	3,240
1936	03-04-36	---	5,420	1958	02-25-58	18.76	1,200
1937	02-20-37	---	6,260	1959	03-25-59	* 20.46	11,000
1938	02-05-38	---	7,350	1960	01-13-60	20.38	10,700
1939	03-04-39	---	2,060	1961	02-23-61	21.27	13,400
1940	07-27-40	---	23,800	1962	11-03-61	19.54	8,120
1941	03-21-41	---	2,490	1963	03-16-63	21.88	8,000
1942	09-18-42	---	3,990	1964	04-03-64	18.66	5,510
1943	08-13-43	---	12,300	1965	03-01-65	22.05	7,000
1944	03-14-44	---	9,820	1966	02-08-66	23.05	12,500
1945	06-28-45	---	6,010	1967	01-25-67	23.67	14,000
1946	01-05-46	---	11,600	1968	08-08-68	13.28	1,080
1947	06-13-47	---	22,300	1969	03-18-69	15.81	1,430
1948	02-28-48	20.24	10,200	1970	06-15-70	17.52	2,260
1949	06-25-49	21.45	14,100	1971	03-15-71	17.07	2,140
1950	07-16-50	24.82	25,000	1972	03-15-72	20.52	10,900
1951	07-08-51	20.67	11,700	1973	12-30-72	21.14	6,770
1952	03-10-52	19.18	7,280	1974	06-21-74	21.59	7,830
1953	02-20-53	20.92	12,300	1975	03-22-75	21.84	8,520
1954	06-22-54	24.45	23,800	1976	07-28-76	21.28	7,080
1955	02-20-55	23.30	8,000	1977	07-18-77	21.29	4,840
1956	03-02-56	20.23	6,000	1978	06-17-78	23.07	10,900

STATION NO. - 05414000
DRAINAGE AREA - 142 SQ MI

STATION NAME - PLATTE RIVER NEAR ROCKVILLE, WIS.
GAGE DATUM - 642.96 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1935	03-04-35	---	3,980	1957	01-21-57	8.5	2,620
1936	03-10-36	---	2,730	1958	09-03-58	* 6.57	1,060
1937	03-04-37	---	8,560	1959	05-20-59	10.77	7,220
1938	02-06-38	---	5,980	1960	01-12-60	10.9	7,550
1939	01-05-39	---	3,060	1961	02-23-61	9.42	4,080
1940	07-26-40	---	13,100	1962	07-20-62	10.34	6,160
1941	03-03-41	---	4,180	1963	03-16-63	10.86	6,140
1942	06-29-42	9.1	3,670	1964	04-03-64	8.74	2,040
1943	06-02-43	12.1	10,400	1965	02-28-65	10.86	3,000
1944	03-14-44	10.44	6,310	1966	08-21-66	11.13	5,940
1945	06-28-45	9.10	3,660	1967	01-24-67	13.42	8,000
1946	01-05-46	11.4	8,700	1968	01-29-68	7.12	1,000
1947	06-13-47	12.30	11,000	1969	06-29-69	10.70	4,980
1948	02-28-48	11.1	7,980	1970	03-03-70	7.60	1,300
1949	03-04-49	9.40	4,150	1971	03-15-71	8.11	1,560
1950	07-16-50	17.26	43,500	1972	07-14-72	10.97	5,550
1951	08-06-51	12.81	13,900	1973	12-30-72	10.83	5,250
1952	03-10-52	7.63	1,660	1974	01-27-74	11.29	6,370
1953	02-20-53	10.79	7,290	1975	03-22-75	11.16	6,180
1954	06-21-54	13.33	16,400	1976	03-12-76	9.52	2,980
1955	02-20-55	8.85	3,080	1977	07-18-77	11.47	5,170
1956	03-01-56	8.3	2,400	1978	06-17-78	13.16	9,700

STATION NO. - 05414200
DRAINAGE AREA - 2.72 SQ MI

STATION NAME - BEAR BRANCH NEAR PLATTEVILLE, WIS
GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1958	02-24-58	10.44	110	1969	06-29-69	15.45	595
1959	05-20-59	17.40	840	1970	03-03-70	13.60	375
1960	12-27-59	17.00	780	1971	09-10-71	11.0	150
1961	10-31-60	10.87	135	1972	04-16-72	15.20	560
1962	08-24-62	14.66	495	1973	12-30-72	13.08	325
1963	03-17-63	12.54	275	1974	06-20-74	20.35	1,330
1964	06-21-64	10.80	120	1975	06-15-75	16.32	710
1965	09-09-65	13.12	330	1976	03-12-76	13.00	320
1966	07-13-66	11.36	170	1977	07-18-77	17.74	910
1967	01-24-67	15.71	610	1978	07-01-78	17.73	910
1968	06-26-68	12.24	250				

* DENOTES ANNUAL PEAK GAGE HEIGHT OCCURRED AT A TIME DIFFERENT THAN THAT OF PEAK DISCHARGE

TABLE 4. ANNUAL PEAK DATA AT GAGING STATIONS -- Continued.

STATION NO. - 05414900
DRAINAGE AREA - 8.49 SQ MI

STATION NAME - PATS CREEK NEAR ELKS GROVE, WIS
GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1960	03-28-60	13.77	720	1969	06-29-69	17.32	7,040
1961	02-18-61	12.19	310	1970	03-03-70	14.05	510
1962	11-02-61	12.37	350	1971	03-22-71	14.37	620
1963	03-20-63	11.05	140	1972	04-16-72	13.01	260
1964	04-02-64	12.38	350	1973	03-07-73	13.16	310
1965	03-01-65	13.01	500	1974	06-20-74	15.15	1,580
1966	02-08-66	12.72	420	1975	03-24-75	11.38	180
1967	01-24-67	15.24	1,680	1976	03-12-76	13.19	560
1968	07-23-68	11.93	265	1978	06-17-78	14.65	1,160

STATION NO. - 05415000
DRAINAGE AREA - 125 SQ MI

STATION NAME - GALENA RIVER AT BUNCOMBE, WIS.
GAGE DATUM - 682.77 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1937	02- -37	17.1	18,000	1959	03-26-59	* 13.28	6,460
1940	03-18-40	11.6	3,860	1960	01-12-60	14.20	8,430
1941	03-20-41	9.86	2,760	1961	02-18-61	9.15	2,240
1942	08-02-42	12.79	5,820	1962	10-29-61	11.53	3,530
1943	08-13-43	13.58	7,420	1963	03-16-63	12.32	4,560
1944	03-14-44	12.09	4,640	1964	04-03-64	10.23	2,790
1945	06-28-45	11.94	4,370	1965	09-21-65	13.19	6,280
1946	01-05-46	13.90	8,080	1966	02-08-66	12.90	4,000
1947	06-13-47	12.83	5,820	1967	01-25-67	12.31	4,540
1948	02-27-48	14.30	8,960	1968	02-01-68	9.35	2,340
1949	03-04-49	13.20	6,600	1969	06-29-69	19.57	29,700
1950	07-01-50	13.41	7,000	1970	03-03-70	10.55	2,940
1951	07-08-51	13.86	6,800	1971	02-27-71	* 10.91	3,200
1952	03-10-52	12.97	6,200	1972	08-02-72	12.94	5,780
1953	02-20-53	15.68	12,400	1973	12-30-72	13.47	3,200
1954	06-22-54	12.35	5,010	1974	01-26-74	13.43	6,760
1955	02-20-55	13.52	7,250	1975	03-22-75	13.90	7,770
1956	02-24-56	11.32	3,390	1976	03-04-76	12.71	5,400
1957	07-16-57	12.36	4,630	1977	07-18-77	* 12.30	4,820
1958	02-24-58	10.42	2,890	1978	06-17-78	11.69	4,140

STATION NO. - 05415500
DRAINAGE AREA - 17.6 SQ MI

STATION NAME - EAST FORK GALENA RIVER AT COUNCIL HILL, ILL.
GAGE DATUM - 686.59 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1940	08-10-40	5.83	565	1955	02-20-55	5.92	634
1941	09-08-41	6.80	825	1956	08-30-56	7.66	1,740
1942	06-11-42	9.50	3,860	1957	07-12-57	9.85	4,190
1943	08-13-43	12.10	8,620	1958	02-24-58	6.17	858
1944	06-12-44	9.02	2,060	1959	05-20-59	6.87	1,230
1945	05-27-45	10.26	5,080	1960	01-12-60	8.23	2,270
1946	01-05-46	7.05	1,540	1961	07-01-61	8.37	2,390
1947	04-29-47	15.3	16,600	1962	10-29-61	7.02	1,320
1948	02-27-48	8.77	2,890	1963	07-19-63	6.40	975
1949	08-11-49	10.35	5,250	1964	05-08-64	6.27	907
1950	07-01-50	9.33	3,590	1965	09-21-65	11.42	6,650
1951	07-08-51	9.60	4,000	1966	05-23-66	8.52	2,540
1952	10-20-51	6.31	842	1967	07-17-67	8.34	2,370
1953	02-20-53	8.65	2,770	1968	02-01-68	5.46	462
1954	06-20-54	5.84	652	1969	07-26-69	6.98	1,300

* DENOTES ANNUAL PEAK GAGE HEIGHT OCCURRED AT A TIME DIFFERENT THAN THAT OF PEAK DISCHARGE

TABLE 4. ANNUAL PEAK DATA AT GAGING STATIONS -- Continued.

STATION NO. - 05423000
DRAINAGE AREA - 40.7 SQ MI

STATION NAME - WEST BRANCH ROCK RIVER NEAR WAUPUN, WIS
GAGE DATUM - 870.53 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1949	03-27-49	4.11	246	1964	05-16-64	3.02	81
1950	03-27-50	6.56	949	1965	03-02-65	---	240
1951	03-29-51	4.73	386	1966	02-09-66	6.89	850
1952	03-21-52	5.48	602	1967	03-12-67	4.45	130
1953	03-16-53	5.22	509	1968	04-21-68	3.08	77
1954	05-31-54	2.91	80	1969	06-26-69	4.73	349
1955	10-04-54	4.58	332	1970	06-02-70	2.51	27
1956	04-01-56	5.76	600	1971	03-31-71	4.71	345
1957	06-12-57	3.46	112	1972	09-17-72	3.89	165
1958	11-09-57	2.57	37	1973	03-07-73	5.73	750
1959	04-03-59	* 6.07	730	1974	03-04-74	5.50	640
1960	03-30-60	6.08	733	1975	03-24-75	6.51	1,140
1961	11-16-60	4.23	210	1976	03-27-76	5.19	520
1962	03-29-62	5.70	730	1977	05-21-77	2.98	77
1963	03-24-63	5.28	350				

STATION NO. - 05423300
DRAINAGE AREA - 12.6 SQ MI

STATION NAME - SOUTH BRANCH ROCK RIVER TRIB NR WAUPUN, WIS
GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1959	04-00-59	14.42	575	1969	06-26-69	10.88	118
1960	04-17-60	11.63	285	1970	-----	---	<10
1961	03-14-61	12.12	400	1971	03-31-71	14.15	375
1962	03-29-62	12.70	530	1972	03-16-72	11.31	200
1963	03-26-63	10.46	40	1973	03-07-73	12.10	400
1964	04-02-64	10.38	25	1974	03-04-74	11.40	230
1965	09-20-65	10.39	25	1975	03-24-75	12.50	485
1966	02-08-66	12.15	405	1976	03-04-76	11.29	210
1967	03-27-67	10.76	90	1977	04-04-77	10.70	70
1968	06-26-68	10.45	35	1978	03-23-78	13.40	240

STATION NO. - 05423500
DRAINAGE AREA - 63.6 SQ MI

STATION NAME - SOUTH BRANCH ROCK RIVER AT WAUPUN, WIS.
GAGE DATUM - 863.46 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1949	03-27-49	5.24	398	1960	03-30-60	7.50	1,150
1950	03-27-50	6.56	818	1961	11-16-60	5.32	369
1951	03-29-51	5.95	584	1962	03-28-62	7.46	990
1952	03-21-52	6.96	1,000	1963	03-25-63	4.70	253
1953	02-21-53	5.70	507	1964	05-15-64	2.55	57
1954	07-07-54	4.00	168	1965	03-02-65	5.39	371
1955	10-04-54	5.91	570	1966	02-10-66	7.85	1,280
1956	04-02-56	6.65	753	1967	03-27-67	3.78	189
1957	06-11-57	3.92	170	1968	06-27-68	3.63	170
1958	08-12-58	2.56	51	1969	06-27-69	5.99	510
1959	04-03-59	7.97	1,500				

STATION NO. - 05423800
DRAINAGE AREA - 4.42 SQ MI

STATION NAME - EAST BRANCH ROCK RIVER TRIB NR SLINGER, WIS
GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1960	09-19-60	12.07	190	1970	-----	---	<40
1961	03-22-61	10.93	85	1971	04-12-71	11.27	105
1962	03-29-62	11.47	130	1972	08-14-72	13.12	340
1963	03-23-63	11.66	150	1973	05-27-73	11.41	115
1964	07-18-64	12.07	190	1974	06-09-74	11.99	180
1965	04-06-65	12.33	215	1975	03-22-75	12.45	235
1966	02-09-66	11.75	160	1976	03-12-76	11.42	120
1967	03-10-67	11.36	120	1977	08-04-77	11.50	125
1968	06-26-68	10.49	50	1978	08-19-78	11.57	133
1969	06-26-69	11.89	167				

* DENOTES ANNUAL PEAK GAGE HEIGHT OCCURRED AT A TIME DIFFERENT THAN THAT OF PEAK DISCHARGE

TABLE 4. ANNUAL PEAK DATA AT GAGING STATIONS -- Continued.

STATION NO. - 05424000

DRAINAGE AREA - 181 SQ MI

STATION NAME - EAST BRANCH ROCK RIVER NEAR MAYVILLE, WIS.

GAGE DATUM - 857.20 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1950	03-29-50	8.80	2,160	1961	03-25-61	5.61	590
1951	03-30-51	7.94	1,530	1962	03-29-62	9.25	2,540
1952	03-21-52	8.74	2,080	1963	03-27-63	6.68	958
1953	02-21-53	---	700	1964	04-08-64	4.34	241
1954	07-07-54	6.12	773	1965	09-20-65	8.82	2,180
1955	10-03-54	8.02	1,600	1966	02-10-66	7.59	1,330
1956	04-03-56	6.85	1,010	1967	03-29-67	6.02	622
1957	02-25-57	4.87	405	1968	06-27-68	5.73	630
1958	04-06-58	4.42	296	1969	06-26-69	7.80	1,470
1959	04-03-59	11.02	3,400	1970	11-19-69	5.06	426
1960	04-01-60	8.44	1,880				

STATION NO. - 05424300

DRAINAGE AREA - 4.58 SQ MI

STATION NAME - ROCK RIVER TRIBUTARY NEAR WATERTOWN, WIS

GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1959	04-00-59	14.01	150	1969	06-26-69	13.04	140
1960	03-30-60	13.79	230	1970	05-12-70	11.49	30
1961	03-22-61	12.60	95	1971	03-28-71	13.35	175
1962	03-29-62	13.04	140	1972	09-18-72	12.87	120
1963	04-19-63	11.33	25	1973	03-07-73	13.01	140
1964	07-18-64	10.95	15	1974	03-04-74	13.22	175
1965	09-09-65	12.11	40	1975	03-22-75	13.95	260
1966	02-08-66	12.65	95	1976	03-04-76	13.42	185
1967	03-10-67	11.89	45	1977	-----	---	<15
1968	06-26-68	12.88	120	1978	07-01-78	13.11	150

STATION NO. - 05425500

DRAINAGE AREA - 969 SQ MI

STATION NAME - ROCK RIVER AT WATERTOWN, WIS.

GAGE DATUM - 792.58 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1932	01-13-32	---	1,570	1953	03-27-53	3.90	1,810
1933	05-20-33	---	3,390	1954	07-07-54	3.94	1,640
1934	04-04-34	3.08	1,010	1955	08-02-55	4.13	2,090
1935	03-20-35	3.94	1,980	1956	05-13-56	3.87	1,770
1936	03-22-36	3.80	1,810	1957	06-06-57	3.41	1,190
1937	02-21-37	4.50	2,800	1958	03-08-58	2.86	667
1938	02-13-38	* 4.84	3,340	1959	04-04-59	6.32	5,030
1939	03-15-39	3.59	1,490	1960	05-07-60	5.09	3,330
1940	06-28-40	4.76	2,800	1961	03-28-61	3.77	1,690
1941	04-20-41	3.82	1,670	1962	04-05-62	4.87	2,800
1942	06-12-42	3.35	1,170	1963	03-29-63	3.35	1,240
1943	03-16-43	5.36	3,760	1964	03-18-64	2.33	433
1944	03-14-44	4.18	2,000	1965	09-21-65	4.44	2,140
1945	03-25-45	* 3.23	1,040	1966	10-01-65	4.44	2,140
1946	03-14-46	5.27	3,600	1967	04-10-67	3.12	1,040
1947	04-11-47	3.74	1,580	1968	06-29-68	3.42	1,310
1948	03-21-48	5.05	3,290	1969	04-13-69	3.88	1,740
1949	03-15-49	3.55	1,380	1970	05-16-70	3.00	936
1950	07-20-50	4.43	2,430	1977	07-24-77	2.60	660
1951	04-29-51	5.10	3,340	1978	07-08-78	---	1,900
1952	03-24-52	5.69	4,180				

* DENOTES ANNUAL PEAK GAGE HEIGHT OCCURRED AT A TIME DIFFERENT THAN THAT OF PEAK DISCHARGE

TABLE 4. ANNUAL PEAK DATA AT GAGING STATIONS -- Continued.

STATION NO. - 05425700

DRAINAGE AREA - 8.01 SQ MI

STATION NAME - ROBBINS CREEK NEAR COLUMBUS, WIS

GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1960	04-02-60	13.74	300	1968	06-26-68	13.25	160
1961	04-24-61	12.02	80	1969	06-26-69	12.34	75
1962	03-26-62	12.60	165	1970	09-03-70	11.61	35
1963	05-10-63	11.03	19	1971	03-28-71	12.72	180
1964	06-22-64	10.70	13	1972	03-17-72	12.91	120
1965	09-10-65	13.48	190	1973	05-27-73	13.38	175
1966	05-23-66	13.42	265	1974	03-04-74	13.37	175
1967	01-25-67	12.50	85	1975	03-22-75	13.95	250

STATION NO. - 05426000

DRAINAGE AREA - 762 SQ MI

STATION NAME - CRAWFISH RIVER AT MILFORD, WIS.

GAGE DATUM - 779.40 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1932	11-26-31	4.44	1,370	1956	04-03-56	5.20	1,700
1933	04-03-33	6.46	2,650	1957	06-13-57	4.27	1,260
1934	04-06-34	4.06	1,140	1958	03-03-58	3.67	915
1935	03-14-35	6.6	2,720	1959	04-06-59	11.15	6,140
1936	03-18-36	6.05	2,240	1960	04-03-60	8.45	3,680
1937	03-09-37	7.24	3,110	1961	03-27-61	5.28	1,690
1938	09-22-38	7.6	3,370	1962	04-01-62	8.88	3,990
1939	01-12-39	5.3	1,720	1963	03-28-63	---	1,720
1940	06-28-40	5.26	1,840	1964	04-08-64	---	410
1941	03-27-41	6.4	2,560	1965	09-27-65	---	1,890
1942	03-22-42	4.16	1,180	1966	02-14-66	---	2,560
1943	03-22-43	8.2	3,780	1967	04-01-67	---	1,380
1944	03-18-44	6.5	2,640	1968	07-02-68	4.70	1,290
1945	03-16-45	5.00	1,690	1969	04-24-69	5.65	1,810
1946	03-17-46	8.88	4,260	1970	05-17-70	3.12	573
1947	06-18-47	5.23	1,810	1971	03-20-71	7.02	2,560
1948	03-22-48	8.3	3,850	1972	03-25-72	6.49	2,270
1949	03-11-49	5.29	1,870	1973	03-17-73	8.21	3,440
1950	07-24-50	7.78	3,310	1974	03-09-74	7.92	3,210
1951	03-10-51	6.98	2,970	1975	03-26-75	9.79	4,830
1952	03-25-52	8.76	3,940	1976	03-16-76	6.76	2,420
1953	08-08-53	5.44	1,870	1977	04-05-77	3.19	580
1954	07-10-54	5.75	2,070	1978	05-18-78	6.03	2,020
1955	03-16-55	4.88	1,520				

STATION NO. - 05426100

DRAINAGE AREA - 8.39 SQ MI

STATION NAME - SCUPPERNONG CREEK NEAR WALES, WIS

GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1962	03-29-62	10.19	100	1971	-----	---	<60
1963	-----	---	<80	1972	09-19-72	11.30	120
1964	-----	---	<80	1973	04-21-73	11.22	195
1965	05-23-65	10.07	85	1974	03-03-74	10.40	105
1966	02-08-66	10.56	140	1975	03-22-75	10.28	90
1967	-----	---	<80	1976	03-12-76	10.30	95
1968	08-20-68	10.32	110	1977	-----	---	<60
1969	06-29-69	10.80	165	1978	06-17-78	10.13	85
1970	-----	---	<60				

STATION NO. - 05426500

DRAINAGE AREA - 12.0 SQ MI

STATION NAME - WHITEWATER CREEK NEAR WHITEWATER, WIS.

GAGE DATUM - 865.00 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1926	04-09-26	---	13	1950	06-13-50	2.2	# 16
1927	05-28-27	---	25	1951	02-26-51	1.54	# 8
1928	07-03-28	---	8	1952	11-13-51	1.92	# 13
1947	03-23-47	1.2	# 5	1953	02-20-53	1.54	# 8
1948	03-19-48	1.74	# 10	1954	06-03-54	1.34	# 6
1949	02-24-49	1.8	# 11				

DENOTES ANNUAL PEAK DISCHARGE AFFECTED BY KNOWN REGULATION OR DIVERSION

TABLE 4. ANNUAL PEAK DATA AT GAGING STATIONS -- Continued.

STATION NO. - 05427000
DRAINAGE AREA - 22.8 SQ MI

STATION NAME - WHITEWATER CREEK AT WHITEWATER, WIS.
GAGE DATUM - 325.00 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1927	05-28-27	4.3	445	1950	06-13-50	5.1	451
1928	07-03-28	3.1	176	1951	03-30-51	2.43	98
1947	06-02-47	2.7	113	1952	11-13-51	4.50	347
1948	03-19-48	4.2	330	1953	02-21-53	3.10	157
1949	03-04-49	2.3	89	1954	07-07-54	2.8	127

STATION NO. - 05427200
DRAINAGE AREA - 10.2 SQ MI

STATION NAME - ALLEN CREEK NEAR FORT ATKINSON
GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1958	03-00-58	11.30	175	1969	07-17-69	11.21	168
1959	03-00-59	12.95	100	1970	05-13-70	9.90	55
1960	03-29-60	13.24	380	1971	03-08-71	10.90	140
1961	09-14-61	10.49	100	1972	03-16-72	10.17	80
1962	03-29-62	10.22	80	1973	12-30-72	11.60	205
1963	03-19-63	12.40	200	1974	03-04-74	10.59	112
1964	03-13-64	9.83	55	1975	03-22-75	11.46	192
1965	09-20-65	9.99	65	1976	03-04-76	10.30	88
1966	02-08-66	10.35	90	1977	09-24-77	9.40	45
1967	06-12-67	10.32	89	1978	07-01-78	10.17	80
1968	06-26-68	9.93	62				

STATION NO. - 05427250
DRAINAGE AREA - .43 SQ MI

STATION NAME - KOSHKONONG CREEK AT SUN PRAIRIE, WIS
GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1961	03-25-61	11.05	20	1966	05-23-66	10.25	2
1962	03-25-62	---	10	1967	06-11-67	11.00	19
1963	03-19-63	10.53	8	1968	06-26-68	11.10	22
1964	04-02-64	10.83	15	1969	06-25-69	10.92	17
1965	09-09-65	10.62	10				

STATION NO. - 05427800
DRAINAGE AREA - 24.3 SQ MI

STATION NAME - TOKEN CREEK NEAR MADISON, WIS
GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1961	03-25-61	11.97	235	1970	09-24-70	10.57	70
1962	03-29-62	11.22	165	1971	08-14-71	9.99	45
1963	06-05-63	11.05	155	1972	03-15-72	12.53	325
1964	03-13-64	9.85	90	1973	03-07-73	14.29	570
1965	03-02-65	12.80	363	1974	03-04-74	13.56	465
1966	02-09-66	13.69	488	1975	03-22-75	14.32	575
1967	01-25-67	13.52	464	1976	03-12-76	14.16	576
1968	06-26-68	11.84	228	1977	02-24-77	10.87	99
1969	03-18-69	11.85	230	1978	07-01-78	11.51	135

TABLE 4. ANNUAL PEAK DATA AT GAGING STATIONS -- Continued.

STATION NO. - 05429500
DRAINAGE AREA - 327 SQ MISTATION NAME - YAHARA RIVER NEAR MCFARLAND, WIS.
GAGE DATUM - 840.00 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1931	10-08-30	* 4.18	# 211	1954	07-11-54	6.21	# 500
1932	11-24-31	4.40	# 353	1955	04-25-55	* 4.59	# 391
1933	05-21-33	5.89	# 655	1956	05-18-56	* 4.36	# 338
1934	04-11-34	3.94	# 223	1957	05-26-57	* 4.63	# 296
1935	04-12-35	* 4.48	# 370	1958	06-01-58	4.60	# 282
1936	04-07-36	5.00	# 347	1959	04-10-59	5.82	# 867
1937	03-13-37	6.10	# 672	1960	07-03-60	5.29	# 580
1938	02-18-38	* 5.79	# 508	1961	03-28-61	* 4.70	# 433
1939	10-01-38	5.46	# 439	1962	04-09-62	4.74	# 453
1940	04-11-40	4.01	# 258	1963	04-03-63	* 4.65	# 425
1941	04-04-41	4.88	# 416	1964	11-30-63	* 3.99	# 256
1942	06-10-42	* 4.53	# 350	1965	04-12-65	* 4.87	# 504
1943	03-26-43	* 5.05	# 462	1966	03-05-66	* 4.40	# 333
1944	04-03-44	* 4.88	# 462	1967	06-20-67	* 5.23	# 327
1945	03-19-45	* ---	# 255	1968	07-01-68	5.53	# 313
1946	03-19-46	5.56	# 613	1969	07-04-69	5.86	# 327
1947	04-11-47	* 4.66	# 404	1970	05-14-70	* 4.18	# 275
1948	03-23-48	5.2	# 531	1971	03-30-71	* 4.49	# 386
1949	04-02-49	* 4.6	# 350	1974	04-15-74	* 5.15	537
1950	07-21-50	* ---	# 600	1975	05-01-75	* 5.13	598
1951	04-30-51	* 4.70	# 416	1976	03-31-76	4.52	451
1952	04-03-52	* 5.19	# 531	1977	07-22-77	5.02	404
1953	03-16-53	5.03	# 496	1978	07-02-78	5.75	# 636

STATION NO. - 05430100
DRAINAGE AREA - 41.3 SQ MISTATION NAME - BADFISH CREEK NEAR STOUGHTON, WIS.
GAGE DATUM - 873.2 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1957	06-11-57	2.84	68	1962	11-16-61	3.81	635
1958	02-24-58	2.15	252	1963	03-17-63	2.52	366
1959	04-01-59	3.87	682	1964	03-13-64	* 2.00	238
1960	01-13-60	4.60	871	1965	09-20-65	4.25	545
1961	03-24-61	* 3.22	504	1966	02-09-66	3.50	557

STATION NO. - 05430500
DRAINAGE AREA - 3,338 SQ MISTATION NAME - ROCK RIVER AT AFTON, WIS.
GAGE DATUM - 742.36 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1914	09-15-14	7.6	7,050	1947	04-16-47	6.98	4,490
1915	09-13-15	11.0	10,500	1948	03-19-48	10.2	9,390
1916	04-01-16	* 10.12	9,270	1949	03-05-49	7.79	5,520
1917	04-01-17	10.0	9,050	1950	07-27-50	8.24	6,350
1918	03-25-18	11.5	12,700	1951	05-04-51	9.16	7,850
1919	04-15-19	5.9	3,560	1952	03-29-52	10.39	9,810
1920	04-01-20	10.3	10,100	1953	02-20-53	8.06	6,200
1921	05-02-21	9.3	8,200	1954	07-14-54	6.93	4,620
1922	04-11-22	9.7	8,640	1955	10-11-54	6.82	4,480
1923	04-12-23	10.6	10,400	1956	05-16-56	6.80	4,460
1924	08-20-24	8.7	7,100	1957	06-14-57	5.96	3,460
1925	02-23-25	* 7.0	4,720	1958	03-06-58	4.76	2,230
1926	03-23-26	7.4	5,180	1959	04-10-59	11.77	12,100
1927	03-20-27	7.8	5,750	1960	04-06-60	10.00	8,840
1928	04-14-28	8.4	6,670	1961	03-29-61	8.09	6,050
1929	03-23-29	11.80	13,000	1962	04-05-62	10.13	9,060
1930	03-04-30	7.0	4,620	1963	04-01-63	6.56	4,070
1931	03-28-31	3.5	1,380	1964	03-14-64	5.09	2,530
1932	03-27-32	6.8	4,380	1965	09-26-65	8.11	5,990
1933	05-20-33	10.0	8,990	1966	03-28-66	7.46	5,200
1934	04-11-34	5.36	2,890	1967	06-17-67	7.39	5,060

* DENOTES ANNUAL PEAK GAGE HEIGHT OCCURRED AT A TIME DIFFERENT THAN THAT OF PEAK DISCHARGE
DENOTES ANNUAL PEAK DISCHARGE AFFECTED BY KNOWN REGULATION OR DIVERSION

TABLE 4. ANNUAL PEAK DATA AT GAGING STATIONS -- Continued.

STATION NO. - 05430500

Continued from previous page

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1935	03-10-35	8.52	6,350	1968	07-03-68	7.67	5,050
1936	03-26-36	7.07	4,600	1969	04-18-69	7.43	4,740
1937	03-04-37	* 10.23	8,510	1970	05-20-70	5.85	3,010
1938	01-24-38	* 10.44	9,190	1971	03-29-71	8.33	5,910
1939	02-25-39	8.0	5,800	1972	09-30-72	7.76	5,170
1940	08-26-40	10.8	10,700	1973	05-08-73	10.81	9,680
1941	04-04-41	7.43	4,990	1974	03-12-74	9.88	8,180
1942	03-25-42	5.94	3,300	1975	04-01-75	11.25	10,400
1943	03-16-43	11.04	11,100	1976	03-05-76	8.93	6,760
1944	03-14-44	9.19	7,620	1977	04-08-77	5.35	2,600
1945	03-21-45	6.31	3,830	1978	07-02-78	8.69	6,420
1946	03-23-46	10.46	10,000				

STATION NO. - 05431400

DRAINAGE AREA - 41.8 SQ MI

STATION NAME - LITTLE TURTLE CREEK AT ALLENS GROVE, WIS.

GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1962	11-16-61	14.06	1,090	1970	03-20-70	12.78	560
1963	04-30-63	11.12	260	1971	02-19-71	15.55	2,440
1964	06-22-64	12.90	570	1972	08-25-72	14.60	1,490
1965	03-01-65	14.13	1,130	1973	04-21-73	18.28	8,400
1966	02-09-66	14.82	1,680	1975	-----	---	<600
1967	03-10-67	14.51	1,420	1976	03-12-76	13.43	800
1968	08-04-68	11.27	275	1977	-----	---	<600
1969	01-23-69	15.01	1,870	1978	-----	---	<600

STATION NO. - 05431500

DRAINAGE AREA - 202 SQ MI

STATION NAME - TURTLE CREEK NEAR CLINTON, WIS.

GAGE DATUM - 817.00 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1938	02- -38	12.09	10,700	1959	03-20-59	* 7.85	3,020
1940	08-26-40	7.18	2,020	1960	03-30-60	8.15	3,400
1941	03-21-41	* 5.97	1,120	1961	03-15-61	6.36	1,600
1942	09-03-42	7.10	1,950	1962	11-16-61	6.74	1,880
1943	03-16-43	9.29	3,950	1963	03-17-63	6.80	1,300
1944	03-14-44	8.34	2,980	1964	03-14-64	7.53	2,640
1945	09-28-45	8.19	3,380	1965	02-08-65	9.73	1,800
1946	01-05-46	9.88	5,850	1966	02-09-66	9.52	2,500
1947	03-12-47	5.86	1,270	1967	03-11-67	5.06	560
1948	03-19-48	9.46	5,350	1968	09-25-68	3.52	269
1949	02-24-49	10.22	6,560	1969	01-24-69	7.60	1,070
1950	03-06-50	9.45	4,150	1970	09-18-70	5.90	1,300
1951	03-03-51	* 6.93	2,060	1971	02-26-71	* 8.54	2,500
1952	03-12-52	6.81	1,930	1972	09-18-72	7.29	2,570
1953	02-20-53	7.23	2,350	1973	04-21-73	12.85	16,500
1954	04-25-54	4.84	756	1974	10-02-73	7.99	2,840
1955	02-20-55	7.17	2,270	1975	03-19-75	8.14	3,190
1956	06-21-56	4.5	590	1976	03-05-76	7.75	2,780
1957	02-10-57	6.20	800	1977	02-24-77	6.05	1,410
1958	02-26-58	5.31	320	1978	07-02-78	6.62	1,840

* DENOTES ANNUAL PEAK GAGE HEIGHT OCCURRED AT A TIME DIFFERENT THAN THAT OF PEAK DISCHARGE

TABLE 4. ANNUAL PEAK DATA AT GAGING STATIONS -- Continued.

STATION NO. - 05432300

DRAINAGE AREA - 4.83 SQ MI

STATION NAME - ROCK BRANCH NEAR MINERAL POINT, WIS

GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1959	04-00-59	14.52	730	1969	06-29-69	12.92	400
1960	03-29-60	16.14	1,160	1970	05-12-70	11.10	130
1961	03-26-61	12.54	330	1971	03-27-71	11.28	150
1962	11-02-61	13.58	520	1972	08-11-72	13.75	570
1963	03-17-63	12.67	350	1973	03-07-73	12.09	260
1964	04-02-64	11.04	135	1974	03-04-74	11.73	210
1965	03-01-65	12.82	380	1975	03-22-75	12.03	250
1966	02-08-66	12.45	315	1976	03-12-76	12.28	290
1967	01-24-67	16.19	1,180	1977	07-18-77	13.20	450
1968	01-31-68	11.70	210	1978	07-01-78	13.00	410

STATION NO. - 05432500

DRAINAGE AREA - 273 SQ MI

STATION NAME - PECATONICA RIVER AT DARLINGTON, WIS.

GAGE DATUM - 802.42 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1937	02-21-37	17.6	---	1959	04-01-59	17.16	10,700
1940	08-27-40	11.0	1,930	1960	03-30-60	16.06	7,770
1941	03-23-41	11.05	1,910	1961	03-26-61	12.58	2,930
1942	08-02-42	14.96	3,460	1962	11-03-61	12.59	2,940
1943	03-16-43	15.73	5,780	1963	03-17-63	15.38	6,300
1944	03-15-44	15.26	6,020	1964	04-03-64	9.53	1,510
1945	06-30-45	11.39	2,040	1965	03-02-65	14.70	4,540
1946	01-06-46	17.18	8,300	1966	02-09-66	16.00	5,000
1947	06-14-47	14.05	3,860	1967	01-25-67	16.47	6,000
1948	02-28-48	17.65	9,540	1968	02-01-68	9.37	1,470
1949	03-05-49	14.70	5,240	1969	06-30-69	19.16	16,000
1950	07-16-50	20.71	22,000	1970	03-04-70	9.23	1,120
1951	07-08-51	16.61	7,750	1971	03-15-71	12.36	2,180
1952	03-19-52	13.38	3,650	1972	03-17-72	11.57	1,830
1953	02-20-53	17.47	8,380	1973	12-31-72	12.83	2,440
1954	06-22-54	15.79	6,930	1974	03-04-74	14.36	3,980
1955	02-21-55	13.05	3,340	1975	03-22-75	15.64	6,030
1956	03-03-56	10.70	1,500	1976	03-05-76	12.50	2,250
1957	01-22-57	9.06	1,450	1977	07-20-77	13.49	2,930
1958	02-25-58	* 10.05	1,600	1978	06-18-78	14.61	4,330

STATION NO. - 05433000

DRAINAGE AREA - 221 SQ MI

STATION NAME - EAST BRANCH PECATONICA R. NR BLANCHARDVILLE,

GAGE DATUM - 796.80 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1940	08-27-40	9.76	965	1960	03-30-60	14.81	6,960
1941	03-23-41	11.34	1,310	1961	03-26-61	12.86	2,900
1942	08-02-42	12.98	2,550	1962	03-26-62	10.37	1,040
1943	03-16-43	14.04	5,450	1963	03-18-63	13.29	3,600
1944	03-15-44	14.00	5,440	1964	08-21-64	9.25	744
1945	06-29-45	11.24	1,690	1965	03-02-65	14.96	5,800
1946	01-06-46	14.37	6,500	1966	02-09-66	14.71	4,500
1947	06-13-47	12.12	2,980	1967	01-25-67	13.80	4,810
1948	02-28-48	15.74	11,700	1968	06-27-68	8.47	587
1949	03-05-49	13.18	4,260	1969	06-26-69	13.04	2,260
1950	07-17-50	15.73	7,150	1970	09-24-70	6.89	409
1951	04-29-51	* 10.06	1,070	1971	03-15-71	10.14	1,020
1952	03-19-52	12.62	3,250	1972	03-18-72	11.85	1,380
1953	02-20-53	15.25	8,750	1973	02-02-73	12.50	2,380
1954	06-22-54	13.10	3,300	1974	03-04-74	12.91	2,920
1955	10-11-54	* 11.29	1,830	1975	03-22-75	13.65	3,320
1956	03-07-56	* 9.80	1,070	1976	03-05-76	13.04	2,500
1957	06-11-57	12.96	2,820	1977	07-19-77	* 12.48	1,750
1958	02-25-58	11.90	1,700	1978	07-02-78	12.75	2,110
1959	04-01-59	15.61	9,680				

* DENOTES ANNUAL PEAK GAGE HEIGHT OCCURRED AT A TIME DIFFERENT THAN THAT OF PEAK DISCHARGE

TABLE 4. ANNUAL PEAK DATA AT GAGING STATIONS -- Continued.

STATION NO. - 05433500
DRAINAGE AREA - 28.5 SQ MI

STATION NAME - YELLOWSTONE RIVER NEAR BLANCHARDVILLE, WIS.
GAGE DATUM - 840.00 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1955	02-20-55	9.50	1,740	1967	01-24-67	10.25	2,140
1956	02-26-56	5.98	539	1968	01-31-68	7.69	982
1957	06-11-57	9.65	1,820	1969	06-26-69	9.97	1,985
1958	02-24-58	8.55	1,320	1970	03-03-70	2.99	100
1959	04-01-59	10.00	2,000	1971	02-19-71	4.76	300
1960	03-29-60	10.47	2,240	1972	01-10-72	9.20	1,610
1961	02-22-61	8.53	1,310	1973	03-07-73	9.51	1,750
1962	10-29-61	9.13	1,560	1975	03-22-75	9.68	1,840
1963	03-16-63	9.70	1,000	1976	03-12-76	9.18	1,590
1964	08-20-64	9.30	1,650	1977	02-24-77	8.29	1,220
1965	09-04-65	9.64	1,820	1978	07-20-78	9.96	1,850
1966	02-08-66	9.51	1,750				

STATION NO. - 05434200
DRAINAGE AREA - .48 SQ MI

STATION NAME - SKINNER CREEK TRIBUTARY NEAR MONROE, WIS
GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1959	03-20-59	14.24	10	1969	06-29-69	11.38	38
1960	03-29-60	13.44	118	1970	03-03-70	10.88	22
1961	03-26-61	11.40	38	1971	03-28-71	11.35	36
1962	03-29-62	11.89	55	1972	03-11-72	10.95	24
1963	03-18-63	10.75	18	1973	05-08-73	12.54	80
1964	03-13-64	11.01	26	1974	03-04-74	12.15	64
1965	03-31-65	11.77	50	1975	03-22-75	12.24	68
1966	02-08-66	12.16	65	1976	05-17-76	12.62	82
1967	03-24-67	12.15	64	1977	02-24-77	11.31	35
1968	08-20-68	10.30	7	1978	07-01-78	14.08	145

STATION NO. - 05434500
DRAINAGE AREA - 1,034 SQ MI

STATION NAME - PECATONICA RIVER AT MARTINTOWN, WIS.
GAGE DATUM - 757.90 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1916	03-27-16	20.8	14,000	1959	04-03-59	20.23	14,200
1940	08-26-40	13.11	3,680	1960	04-01-60	19.55	12,800
1941	03-24-41	14.88	5,820	1961	03-28-61	15.14	5,570
1942	08-04-42	* 15.66	5,660	1962	03-29-62	15.22	4,890
1943	03-18-43	17.12	7,900	1963	03-20-63	18.51	9,160
1944	02-28-44	16.48	7,240	1964	04-04-64	9.38	2,080
1945	06-28-45	13.67	4,700	1965	03-04-65	19.94	11,300
1946	01-07-46	18.77	11,000	1966	02-12-66	17.47	5,600
1947	06-16-47	14.78	5,520	1967	03-27-67	15.70	6,090
1948	02-29-48	20.24	13,400	1968	02-03-68	10.11	1,810
1949	03-08-49	17.86	6,000	1969	07-01-69	21.46	15,100
1950	03-09-50	* 18.12	9,360	1970	03-06-70	10.23	2,060
1951	07-11-51	18.56	8,580	1971	02-27-71	* 15.12	4,600
1952	03-13-52	16.52	7,250	1972	03-20-72	14.23	3,970
1953	02-23-53	18.80	10,600	1973	05-05-73	15.84	5,690
1954	06-25-54	13.12	4,180	1974	03-06-74	16.37	6,420
1955	02-21-55	* 13.40	3,700	1975	03-24-75	20.57	12,900
1956	02-29-56	12.0	2,280	1976	03-08-76	14.45	3,880
1957	06-15-57	11.31	2,720	1977	07-24-77	* 12.05	2,510
1958	02-27-58	14.9	4,300	1978	06-21-78	15.13	4,490

* DENOTES ANNUAL PEAK GAGE HEIGHT OCCURRED AT A TIME DIFFERENT THAN THAT OF PEAK DISCHARGE

TABLE 4. ANNUAL PEAK DATA AT GAGING STATIONS -- Continued.

STATION NO. - 05435900

DRAINAGE AREA - 7.42 SQ MI

STATION NAME - SUGAR RIVER TRIBUTARY NEAR PINE BLUFF, WIS

GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1961	03-24-61	14.68	420	1970	03-03-70	11.79	95
1962	03-25-62	11.30	55	1971	03-14-71	12.00	110
1963	03-27-63	11.43	62	1972	03-12-72	13.44	165
1964	06-22-64	11.19	48	1973	03-07-73	12.66	165
1965	03-01-65	14.03	330	1974	06-09-74	13.87	280
1966	02-08-66	13.65	275	1975	06-25-75	13.14	210
1967	01-24-67	15.02	460	1976	03-12-76	13.56	255
1968	01-29-68	11.53	77	1977	07-18-77	13.57	250
1969	03-18-69	11.99	110	1978	06-17-78	12.74	130

STATION NO. - 05436000

DRAINAGE AREA - 16.4 SQ MI

STATION NAME - MOUNT VERNON CREEK NEAR MOUNT VERNON, WIS.

GAGE DATUM - 875.00 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1955	02-20-55	5.83	471	1962	11-16-61	3.95	128
1956	02-24-56	5.40	230	1963	03-16-63	5.54	263
1957	06-13-57	5.12	164	1964	03-13-64	2.54	71
1958	02-24-58	5.90	528	1965	03-02-65	5.68	306
1959	04-01-59	6.32	940	1976	03-05-76	6.13	328
1960	03-30-60	* 6.28	900	1977	07-18-77	5.45	196
1961	03-24-61	6.20	522	1978	07-01-78	5.00	184

STATION NO. - 05436200

DRAINAGE AREA - 3.33 SQ MI

STATION NAME - GILL CREEK NEAR BROOKLYN, WIS

GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1961	10-31-60	13.20	105	1970	05-12-70	11.80	45
1962	10-30-61	13.46	120	1971	08-14-71	11.50	35
1963	03-19-63	12.96	90	1972	04-22-72	12.92	90
1964	03-13-64	12.32	62	1973	03-07-73	13.90	150
1965	03-31-65	15.06	270	1974	06-09-74	13.20	110
1966	02-08-66	13.62	130	1975	03-22-75	13.04	95
1967	06-16-67	14.61	210	1976	05-17-76	12.42	67
1968	06-26-68	12.72	80	1977	02-24-77	12.52	70
1969	07-26-69	12.99	92	1978	06-17-78	13.25	107

STATION NO. - 05436500

DRAINAGE AREA - 523 SQ MI

STATION NAME - SUGAR RIVER NEAR BRODHEAD, WIS.

GAGE DATUM - 768.14 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1914	09-15-14	8.98	7,670	1947	06-15-47	4.84	1,830
1915	09-13-15	11.4	14,800	1948	02-28-48	9.80	10,000
1916	03-26-16	9.3	8,500	1949	03-06-49	7.63	4,380
1917	06-13-17	7.2	3,310	1950	07-18-50	8.21	5,700
1918	03-14-18	* 8.27	5,900	1951	02-28-51	5.68	2,400
1919	03-16-19	9.2	9,100	1952	03-19-52	7.52	4,380
1920	03-12-20	6.5	2,890	1953	02-21-53	9.30	8,500
1921	09-24-21	3.9	1,110	1954	07-09-54	4.55	1,760
1922	02-23-22	9.78	10,000	1955	02-21-55	7.51	4,400
1923	04-04-23	8.7	7,580	1956	04-29-56	* 2.41	775
1924	06-26-24	5.7	2,380	1957	06-14-57	2.55	826
1925	02-10-25	5.40	2,150	1958	02-27-58	6.22	2,830
1926	03-20-26	5.3	2,140	1959	04-02-59	8.80	7,150
1927	02-06-27	7.7	4,650	1960	03-31-60	9.72	10,200
1928	03-13-28	7.6	4,440	1961	03-26-61	6.74	3,340
1929	03-14-29	10.0	11,400	1962	03-26-62	6.30	2,810

* DENOTES ANNUAL PEAK GAGE HEIGHT OCCURRED AT A TIME DIFFERENT THAN THAT OF PEAK DISCHARGE

TABLE 4. ANNUAL PEAK DATA AT GAGING STATIONS -- Continued.

STATION NO. - 05436500

Continued from previous page

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1930	02-21-30	7.4	4,080	1963	03-18-63	7.65	4,800
1931	09-28-31	2.85	823	1964	03-15-64	3.05	966
1932	03-27-32	7.38	4,350	1965	03-03-65	8.24	5,500
1933	03-31-33	9.06	7,940	1966	02-10-66	7.98	5,260
1934	04-04-34	3.22	943	1967	03-26-67	6.69	3,200
1935	03-12-35	* 5.58	2,180	1968	11-04-67	4.08	1,430
1936	03-12-36	6.2	2,630	1969	06-30-69	7.21	2,980
1937	03-05-37	* 9.37	8,780	1970	03-06-70	2.91	880
1938	02-06-38	9.9	7,290	1971	02-22-71	6.66	2,100
1939	01-07-39	6.12	2,540	1972	03-13-72	5.23	1,720
1940	08-26-40	7.80	4,480	1973	03-08-73	7.42	3,840
1941	03-23-41	6.60	2,990	1974	03-04-74	8.13	5,450
1942	08-04-42	4.52	1,530	1975	03-22-75	9.76	8,530
1943	03-16-43	9.86	7,000	1976	03-07-76	6.43	2,480
1944	03-15-44	7.90	5,040	1977	02-26-77	5.05	1,400
1945	03-06-45	3.40	1,060	1978	07-02-78	7.74	4,410
1946	01-06-46	9.1	7,640				

STATION NO. - 05437200

DRAINAGE AREA - 4.64 SQ MI

STATION NAME - EAST FORK RACCOON CREEK TRIB NR BELOIT, WIS

GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1958	03-00-58	10.90	35	1969	06-29-69	10.94	29
1959	03-19-59	13.83	400	1970	-----	---	<10
1960	01-14-60	12.85	250	1971	02-19-71	12.08	140
1961	09-14-61	12.03	130	1972	08-02-72	12.32	160
1962	06-09-62	11.67	90	1973	07-04-73	13.55	350
1963	03-19-63	11.86	110	1974	06-21-74	14.51	540
1964	03-13-64	11.24	52	1975	03-22-75	13.41	325
1965	03-31-65	12.57	225	1976	03-12-76	12.26	155
1966	02-09-66	11.93	120	1977	02-24-77	12.25	154
1967	03-23-67	11.61	85	1978	06-25-78	15.35	690
1968	06-26-68	10.86	25				

STATION NO. - 05543830

DRAINAGE AREA - 127 SQ MI

STATION NAME - FOX RIVER AT WAUKESHA, WIS.

GAGE DATUM - 793.04 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1960	04-01-60	8.00	2,500	1971	03-01-71	4.87	660
1964	05-07-64	4.53	644	1972	09-18-72	6.06	1,150
1965	03-06-65	5.79	1,240	1973	04-22-73	7.42	2,260
1966	02-11-66	5.41	1,040	1974	03-05-74	6.27	1,520
1967	06-12-67	3.86	369	1975	03-22-75	5.77	1,200
1968	06-29-68	4.41	542	1976	03-05-76	5.51	1,080
1969	06-29-69	5.79	1,220	1977	07-07-77	3.93	379
1970	05-12-70	4.63	660	1978	05-15-78	5.44	910

STATION NO. - 05544300

DRAINAGE AREA - 1.32 SQ MI

STATION NAME - MUKWONAGO RIVER TRIBUTARY NEAR MUKWONAGO, WIS

GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1960	03-30-60	10.80	36	1969	06-29-69	11.43	66
1961	03-21-61	10.00	13	1970	-----	---	<10
1962	03-27-62	10.03	14	1971	02-19-71	11.13	30
1963	-----	---	<10	1973	04-21-73	10.89	31
1964	03-13-64	10.53	26	1974	03-03-74	11.28	50
1965	09-09-65	10.07	14	1975	03-28-75	11.16	44
1966	02-09-66	10.47	24	1976	03-06-76	11.39	56
1967	01-24-67	10.66	30	1977	08-28-77	10.22	11
1968	06-26-68	11.06	48	1978	09-17-78	11.35	58

* DENOTES ANNUAL PEAK GAGE HEIGHT OCCURRED AT A TIME DIFFERENT THAN THAT OF PEAK DISCHARGE

TABLE 4. ANNUAL PEAK DATA AT GAGING STATIONS -- Continued.

STATION NO. - 05545100
DRAINAGE AREA - 6.68 SQ MI

STATION NAME - SUGAR CREEK AT ELKHORN, WIS
GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1962	03-25-62	11.54	125	1971	02-19-71	12.82	150
1963	03-19-63	10.65	55	1972	04-16-72	12.57	225
1964	04-05-64	10.35	37	1973	04-21-73	17.47	900
1965	09-10-65	10.66	56	1974	03-04-74	13.60	315
1966	02-09-66	11.74	145	1975	03-22-75	11.68	87
1967	06-10-67	11.48	122	1976	03-06-76	12.70	190
1968	06-26-68	10.87	73	1977	07-18-77	11.35	65
1969	07-18-69	11.52	125	1978	07-01-78	12.46	165
1970	05-13-70	11.15	95				

STATION NO. - 05545200
DRAINAGE AREA - 2.42 SQ MI

STATION NAME - WHITE RIVER TRIBUTARY NEAR BURLINGTON, WIS
GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1958	10-00-57	10.60	40	1969	07-18-69	12.62	167
1959	03-00-59	15.42	100	1970	10-10-69	10.51	35
1960	07-03-60	13.46	235	1971	02-19-71	11.77	100
1961	09-14-61	11.42	80	1972	03-17-72	12.48	155
1962	03-26-62	11.01	57	1973	04-21-73	14.10	290
1963	03-19-63	10.82	50	1974	03-04-74	11.30	75
1964	06-23-64	10.82	50	1975	03-19-75	11.78	105
1965	09-09-65	11.25	70	1976	08-14-76	11.13	65
1966	10-21-65	13.35	225	1977	07-18-77	11.28	70
1967	06-17-67	13.20	215	1978	07-01-78	11.87	110
1968	07-18-68	11.03	58				

STATION NO. - 05545300
DRAINAGE AREA - 97.5 SQ MI

STATION NAME - WHITE RIVER NEAR BURLINGTON, WIS.
GAGE DATUM - 757.43 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1959	03-00-59	12.64	800	1969	07-18-69	13.59	1,960
1960	03-30-60	13.49	1,900	1970	05-13-70	11.36	500
1961	03-21-61	11.31	480	1971	02-19-71	12.42	1,140
1962	03-26-62	11.89	790	1972	04-21-72	12.43	1,140
1963	03-19-63	10.96	420	1973	04-21-73	13.72	1,470
1964	03-13-64	10.58	350	1974	03-03-74	13.14	1,080
1965	04-03-65	11.52	560	1975	03-19-75	12.57	798
1966	10-21-65	13.43	1,850	1976	05-05-76	13.25	1,140
1967	06-17-67	13.20	1,690	1977	03-29-77	10.15	258
1968	07-18-68	11.23	467	1978	07-22-78	12.72	722

STATION NO. - 05546500
DRAINAGE AREA - 868 SQ MI

STATION NAME - FOX RIVER AT WILMOT, WIS.
GAGE DATUM - 735.22 FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1940	08-29-40	7.84	3,150	1960	03-31-60	9.25	7,520
1941	03-23-41	7.28	2,130	1961	03-23-61	6.77	2,220
1942	03-18-42	6.92	1,610	1962	03-27-62	7.92	4,060
1943	03-17-43	8.7	5,700	1963	03-26-63	5.86	1,290
1944	03-16-44	7.6	3,100	1964	04-07-64	5.82	1,260
1945	06-29-45	6.81	2,130	1965	04-07-65	7.28	2,880
1946	01-07-46	7.90	4,170	1966	02-11-66	7.54	3,310
1947	06-03-47	6.9	2,070	1967	06-14-67	6.91	2,380
1948	03-21-48	8.3	5,000	1968	07-01-68	6.60	1,990
1949	03-10-49	7.01	2,400	1969	07-03-69	6.80	2,260
1950	03-29-50	7.00	2,400	1970	06-04-70	6.46	1,840
1951	03-01-51	7.59	3,660	1971	03-01-71	7.36	3,010
1952	03-20-52	7.73	4,010	1972	09-23-72	7.65	3,280
1953	02-24-53	6.60	1,780	1973	04-23-73	7.65	6,530
1954	06-05-54	6.70	2,050	1974	03-10-74	8.04	3,950
1955	06-13-55	6.54	1,810	1975	03-24-75	7.35	2,840
1956	05-12-56	6.35	1,680	1976	03-06-76	7.90	3,700
1957	06-15-57	5.95	1,350	1977	03-31-77	5.65	1,120
1958	02-28-58	5.70	1,010	1978	03-31-78	6.93	2,340
1959	03-21-59	7.28	3,010				

TABLE 4. ANNUAL PEAK DATA AT GAGING STATIONS -- Continued.

STATION NO. - 05548150
DRAINAGE AREA - 13.8 SQ MI

STATION NAME - NORTH BRANCH NIPPERSINK CREEK TRIB NR GENOA,
GAGE DATUM - FT ABOVE MEAN SEA LEVEL

WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)	WATER YEAR	DATE	GAGE HEIGHT (FT)	DISCHARGE (CFS)
1962	03-25-62	10.69	112	1971	02-19-71	12.57	315
1963	-----	---	<60	1972	09-19-72	11.62	196
1964	-----	---	<60	1973	12-30-72	11.99	240
1965	03-31-65	10.77	120	1974	03-04-74	11.84	222
1966	02-09-66	11.34	175	1975	03-22-75	11.47	180
1967	06-17-67	12.05	255	1976	03-03-76	11.66	202
1968	-----	---	<60	1977	-----	---	<60
1969	07-18-69	11.53	187	1978	07-01-78	11.31	164
1970	09-17-70	11.49	182				