

# Low-Flow Characteristics of Wisconsin Streams at Sewage-Treatment Plants and Industrial Plants

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UNITED STATES DEPARTMENT OF THE INTERIOR  
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IN COOPERATION WITH  
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<p>The purpose of this report is to present low-flow characteristics of Wisconsin streams at sewage-treatment and industrial plants. The low-flow characteristics are needed to implement water-quality standards for all surface waters of the State. Water-quality standards in Wisconsin are based on the annual minimum 7-day mean flow below which the flow will fall on the average of once in 10 years (<math>Q_{7,10}</math>).</p> <p>Low-flow characteristics of Wisconsin streams at 397 sewage-treatment plants and 143 industrial plants in 30 river basins are presented. The low-flow characteristics presented are the annual minimum 7-day mean flow below which the flow will fall on the average of once in 2 years (<math>Q_{7,2}</math>) and the <math>Q_{7,10}</math>. The <math>Q_{7,2}</math> values ranged from 0 to 3,770 ft<sup>3</sup>/s and <math>Q_{7,10}</math> values ranged from 0 to 2,790 ft<sup>3</sup>/s.</p> <p>The accuracy of the estimated low-flow characteristics is evaluated according to the type and amount of data used to determine the low-flow characteristics. The accuracy determined by the standard error of estimate for the 10-year low flow ranged from an average of 18 percent at continuous-record gaging stations to an average of 46 percent where only three base-flow measurements were available.</p>				
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B. K. HOLMSTROM

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# Low-Flow Characteristics of Wisconsin Streams at Sewage-Treatment Plants and Industrial Plants

B. K. HOLMSTROM

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## ABSTRACT

Low-flow characteristics of Wisconsin streams at 397 sewage-treatment plants and 143 industrial plants in 30 river basins are presented in this report. The low-flow characteristics are the annual minimum 7-day mean flow below which the flow will fall on the average of once in 2 years ( $Q_{7,2}$ ) and the annual minimum 7-day mean flow below which the flow will fall on the average of once in 10 years ( $Q_{7,10}$ ).

The low-flow characteristics at most sewage-treatment and industrial plants (project stations) were determined by correlating base-flow measurements at the project stations with the concurrent daily mean flow at continuous-record gaging stations in the area. The  $Q_{7,2}$  and  $Q_{7,10}$  discharges determined by a frequency analysis at the continuous-record gaging stations were used to estimate the  $Q_{7,2}$  and  $Q_{7,10}$  at the project stations. For some project stations the low-flow characteristics also were determined by frequency analysis at nearby continuous-record gaging stations or correlation analysis at nearby low-flow partial-record stations. The  $Q_{7,2}$  values ranged from 0 to 3,770 ft<sup>3</sup>/s and  $Q_{7,10}$  values ranged from 0 to 2,790 ft<sup>3</sup>/s.

The accuracy of the estimated low-flow characteristics is evaluated according to the type and amount of data used to determine the low-flow characteristics. The accuracy determined by the standard error of estimate for the 10-year low flow ( $SE_{7,10}$ ) ranged from an average of 18 percent at continuous-record gaging stations to an average of 46 percent when only three base-flow measurements were available.

## INTRODUCTION

Low-flow characteristics of Wisconsin streams at sewage-treatment and industrial plants are needed by the Wisconsin Department of Natural Resources to implement water-quality standards for all surface waters of the State. The implementation requires that the sewage effluent from all waste sources has to be evaluated in relation to the low-flow characteristics of the receiving stream. Water-quality standards in Wisconsin are based on the annual minimum 7-day mean flow below which the flow will fall on the average of once in 10 years ( $Q_{7,10}$ ).

The purpose of this report is to describe the low-flow characteristics of Wisconsin streams at sewage-treatment and industrial plants. This report contains estimates of the  $Q_{7,10}$  along with estimates of the annual minimum 7-day mean flow below which the flow will fall on the average of once in 2 years ( $Q_{7,2}$ ) at sites in 30 basins in Wisconsin (fig. 1).

The report includes: estimates of the magnitude and frequency of recurrence of low flow for sites where streamflow data have been collected, low-flow discharge measurements at these sites, an explanation of methods used to determine the low-flow characteristics, and average standard error of estimates based on methods used to determine the low-flow characteristics.

This study was done in cooperation with the Wisconsin Department of Natural Resources. This is the final report in the series and low-flow estimates in tables 1-30 supersede earlier estimates by Gebert and Holmstrom (1974) and Holmstrom (1977).

For the convenience of readers who may want to use the International System of Units, the data presented in the tables may be converted from inch/pound units by using the following factors:

<u>Multiply</u>	<u>By</u>	<u>To obtain</u>
mile (mi)	1.609	kilometer (km)
foot (ft)	.3048	meter (m)
square mile (mi <sup>2</sup> )	2.59	square kilometer (km <sup>2</sup> )
cubic foot per second (ft <sup>3</sup> /s)	.02832	cubic meter per second (m <sup>3</sup> /s)

## LOW-FLOW CHARACTERISTICS

The estimated low-flow characteristics at 397 sewage-treatment plants and 143 industrial plants are listed in tables 1-30. Information included in the tables for each station are project station number; station location; drainage area; measured discharge; and accuracy level of the estimated low-flow characteristics. The station number is based on the number assigned by the Wisconsin Department of Natural Resources (DNR) in reports on pollution-investigation surveys for each basin. The number used in the DNR reports





Figure 1. Location of river basins used in this report.

has been modified by the addition of a letter before each number to help identify the basin. The Department of Natural Resources could change the station number when the reports are updated; therefore, the year of the report using these numbers is shown in each table.

Alternate measuring sites were selected at stations where the stream was dry or ponded. Measurements were obtained at a downstream location if it appeared that substantial natural inflow had entered the stream. When the sewage-treatment or industrial plant discharged effluent into a ponded stream or into a dry streambed, measurements for both the sewage-treatment or industrial plant station and the alternate site were included in the table.

## ANALYTICAL TECHNIQUES

The low-flow characteristics in tables 1-30 were determined by three methods of analyses. These methods depended on the type of data available at or near the project station. The 3 basic types of data available are: (1) continuous record of daily streamflow (continuous-record gaging stations); (2) 7 to 36 base-flow discharge measurements (low-flow partial-record stations); (3) 3 to 11 base-flow discharge measurements (project stations). A description of the analysis for the types of stations follows.

### GAGING STATIONS

Where a sewage-treatment or industrial plant was located close to a continuous-record gaging station, the low-flow characteristics determined at the gaging station were used for the site at the sewage-treatment or industrial plant.

The low-flow characteristics at gaging stations were determined by a frequency analysis of the recorded 7-day annual minimum flows using a log-Pearson Type III probability distribution or a plotting position analysis (Riggs, 1972). If the results of the two analyses were substantially different, the plotting position analysis was used to determine the  $Q_{7,2}$  and  $Q_{7,10}$  discharge. All the available data for the gaging station through the 1975 water year were used for this analysis.

### LOW-FLOW PARTIAL-RECORD STATIONS

Where a sewage-treatment or industrial plant was located near a low-flow partial-record station, the low-flow characteristics determined for the partial-record station were used at the station. The low-flow characteristics at the station were determined from a relation line established by correlating 7 to 36 base-flow discharge measurements at these stations with the concurrent discharge at continuous-record gaging stations in the area (Gebert, 1971). The  $Q_{7,2}$  and  $Q_{7,10}$  at the continuous-record gaging stations were then transferred through the relation line to estimate  $Q_{7,2}$  and  $Q_{7,10}$  for the partial-record station.

## PROJECT STATIONS

Most of the estimated low-flow characteristics listed in this report are based on 3 to 11 base-flow measurements at each project station. The base-flow measurements at these sites were correlated with concurrent daily mean flow at continuous-record gaging stations in the area. The slope of the relation line was compared to the established relation line at nearby low-flow partial-record stations and other project stations for uniformity. If the factors that largely influence low flow are uniform in the area, the relation lines should have the same slope. If the relation line at the project station was defined by discharge measurements having significant scatter, the relation line was adjusted to agree more closely with the better established relation line at the low-flow partial-record station.

The  $Q_{7,2}$  and  $Q_{7,10}$  discharges, determined by a frequency analysis at the continuous-record gaging stations, were then transferred through the relation line to estimate the  $Q_{7,2}$  and  $Q_{7,10}$  at the project station. Figure 2 illustrates this method of correlation. The frequency analyses at the gaging stations included the entire period of record at each station through the 1975 water year.

## ACCURACY

The  $Q_{7,2}$  and  $Q_{7,10}$  values in tables 1-30 are estimates of flow expected in the future. The estimates are based on data collected at each site and analyzed by several methods. Each estimate has an error associated with it, dependent on the amount and kind of data and on the analytical method. The two major sources of error in the estimates are the time-sampling error in collecting the data and the error in the analytical method.

The accuracy associated with different methods used to develop the low-flow estimates is shown in table 31. The accuracy is determined by the standard error of estimate for the 10-year low-flow event ( $SE_{7,10}$ ). The estimated low-flow characteristics are within the  $SE_{7,10}$  67 percent of the time and twice the  $SE_{7,10}$  95 percent of the time. An explanation of how the accuracy was determined for each method follows.

## GAGING STATIONS

The accuracy for low-flow characteristics determined from recorded discharge at continuous-record gaging stations was determined according to Hardison (1969). By analyzing all the gaging-station records in Wisconsin, with the assumption that 10 years of record were available at each site, an  $SE_{7,10}$  of 18 percent was determined. This indicates the relative accuracy level associated with sewage-treatment plants that used gaging-station data to define the low-flow characteristics. An accuracy level indicated by the letter "a" appears in tables 1-30 following the low-flow characteristics that have this degree of accuracy.

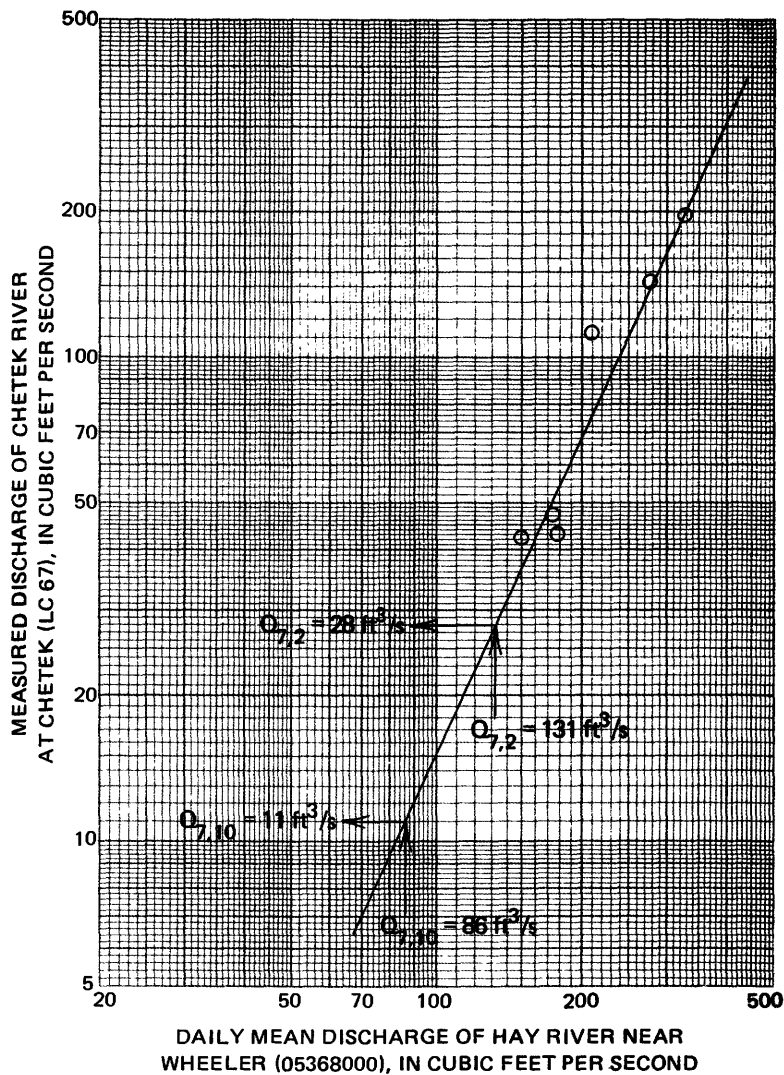


Figure 2. Method of estimating  $Q_{7,2}$  and  $Q_{7,10}$  at project stations.

#### LOW-FLOW PARTIAL-RECORD STATIONS

The accuracy of low-flow characteristics at low-flow partial-record stations can be appraised by a method outlined by Hardison and Moss (1972). Using this procedure an average  $SE_{7,10}$  of 29 percent was determined for 282 low-flow partial-record stations. This  $SE_{7,10}$  is assumed to be typical of the accuracy for project stations where the low-flow characteristics were determined by use of low-flow partial-record station data. Low-flow characteristics in tables 1-30 determined by this method have an accuracy level indicated by the letter "b".

## PROJECT STATIONS

The accuracy of the low-flow characteristics at project stations cannot be appraised directly. Therefore, the data collected at low-flow partial-record stations were analyzed to approximate the accuracy associated with the low-flow characteristics based on only three base-flow measurements.

Gebert and Holmstrom (1974) found that an  $SE_{7,10}$  of 45 percent should be obtained at the project stations based on correlations using three discharge measurements. However, due to poor measuring conditions during the data-collection period, an  $SE_{7,10}$  of 70 percent was obtained for the  $Q_{7,10}$  estimates for project stations given in the 1974 report (Gebert and Holmstrom, 1974).

The  $SE_{7,10}$  for the project stations was improved with additional discharge measurements made during good base-flow conditions. Using an analysis similar to that used by Gebert and Holmstrom (1974), 99 low-flow partial-record stations were measured during the same period that streams at project stations were being measured. Estimates of  $Q_{7,10}$  were determined from these discharge measurements using the same procedure used for the project stations. The estimated  $Q_{7,10}$  values were plotted against the  $Q_{7,10}$  values based on 9 to 34 discharge measurements. From this relationship the standard error between the two estimates was determined. The overall  $SE_{7,10}$  was then approximated by taking the square root of the sum of the squares of the  $SE_{7,10}$  of the plotted relationship and the  $SE_{7,10}$  determined for the 99 low-flow partial-record stations used in the analysis. This resulted in an  $SE_{7,10}$  of 46 percent which is approximately the same as the 45 percent determined by Gebert and Holmstrom (1974). Low-flow characteristics in tables 1-30 determined by this method have an accuracy level indicated by the letter "c".

The accuracy of the low-flow characteristics also differs for different areas of the State. To illustrate this difference in accuracy, values of  $SE_{7,10}$  are listed for Wisconsin basins in table 32. These values of  $SE_{7,10}$  were determined at low-flow partial-record stations and were based on 7 to 36 base-flow measurements during the 1961-77 period. These values at low-flow partial-record stations are probably lower than the  $SE_{7,10}$  associated with low-flow characteristics at the project stations. However, they can be used as a guide to evaluate the relative accuracy of  $Q_{7,10}$  estimates at project stations for various basins. For example, the  $SE_{7,10}$  at low-flow partial-record stations in the Trempealeau-Buffalo River basin is 10 percent. This is considerably lower than the average  $SE_{7,10}$  of 29 percent for all river basins in the State. Therefore, the  $SE_{7,10}$  for project stations in the Trempealeau-Buffalo River basin probably is considerably less than the  $SE_{7,10}$  of 46 percent determined as the average for the project stations.



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- \_\_\_\_ 1969a, Report on an investigation of the pollution in the Black River drainage basin made during 1968: Madison, Wis., 17 p., 1 fig., 4 tables.

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- \_\_\_\_1971e, La Crosse River: Madison, Wis., Pollution Investigations Survey, 17 p., 1 fig., 4 tables.
- \_\_\_\_1971f, Pecatonica River: Madison, Wis., Pollution Investigations Survey, 30 p., 1 fig., 5 tables.
- \_\_\_\_1971g, Lower Rock River: Madison, Wis., Pollution Investigations Survey, 35 p., 4 figs., 5 tables.
- \_\_\_\_1971h, Sugar River: Madison, Wis., Pollution Investigations Survey, 19 p., 1 fig., 6 tables.

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Pollution Investigations Survey, 21 p., 4 figs., 4 tables.

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35 p., 3 figs., 7 tables.

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Survey, 29 p., 3 figs., 4 tables.

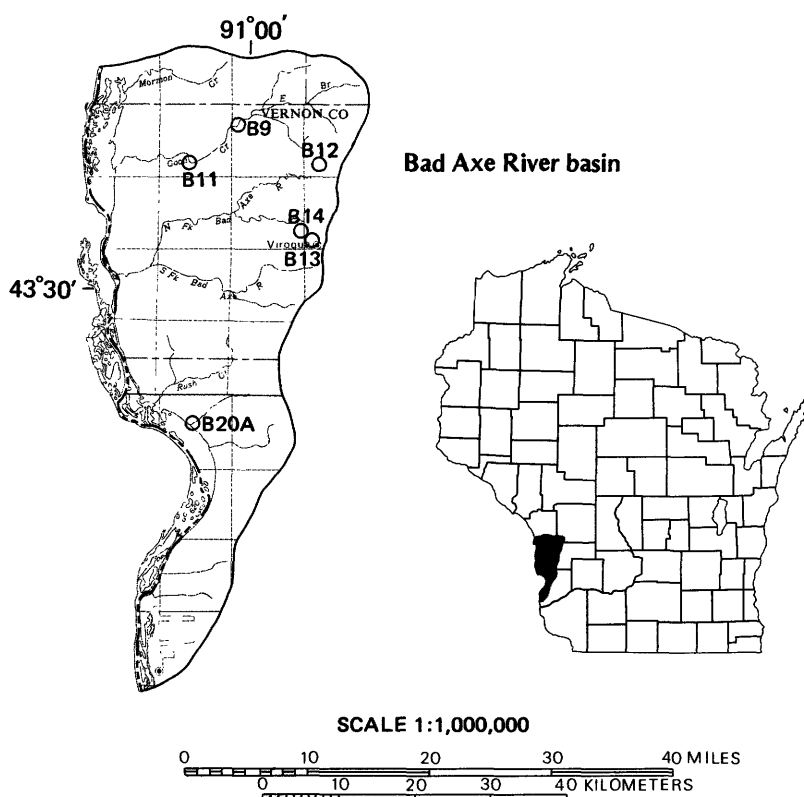
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Survey, 37 p., 2 figs., 5 tables.

\_\_\_\_1972c, Trempealeau and Buffalo Rivers: Madison, Wis., Pollution  
Investigations Survey, 35 p., 3 figs., 7 tables.

\_\_\_\_1972d, Lower Wisconsin River: Madison, Wis., Pollution Investigations  
Survey, 40 p., 5 figs., 5 tables.

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gations Survey, 29 p., 3 figs., 6 tables.

Table 1. Bad Axe River basin station locations and low-flow characteristics.



Base from U.S. Geological Survey  
State base map, 1968

Station number	Stream name	Station location	Drainage area (mi <sup>2</sup> )	Date	Discharge (ft <sup>3</sup> /s)	Q <sub>7,2</sub> (ft <sup>3</sup> /s)	Q <sub>7,10</sub> (ft <sup>3</sup> /s)	Accuracy level
B9	Coon Creek	SW¼NE¼ sec. 7, T. 14 N., R. 5 W., Vernon County, 700 ft upstream from U.S. Highway 14 and 61, at Coon Valley, Wis.	78.6	Aug. 12, 1970 June 20, 1972 June 28, 1973 Sept. 11, 1973 Aug. 17, 1976 Aug. 9, 1977 Sept. 13, 1977 Sept. 11, 1978	34.2 40.9 75.8 62.6 46.6 46.0 39.3 44.6	28	24	a
B11	Coon Creek tributary	NW¼NE¼ sec. 33, T. 14 N., R. 6 W., Vernon County, 0.3 mi upstream from mouth, at Chaseburg, Wis.	1.35	Aug. 17, 1976	<sup>2</sup> 0	0	0	c
	Coon Creek	NW¼SW¼ sec. 27, T. 14 N., R. 6 W., Vernon County, at bridge on County Trunk KK, 0.4 mi east of Chaseburg, Wis.	105	Aug. 17, 1976 Aug. 9, 1977 Sept. 13, 1977	61.1 59.7 54.5	39	34	c
B12	North Fork Bad Axe River	NW¼NW¼ sec. 33, T. 14 N., R. 4 W., Vernon County, at sewage-treatment plant at west edge of Westby, Wis.	.27					
	North Fork Bad Axe River	SW¼SE¼ sec. 29, T. 14 N., R. 4 W., Vernon County, at bridge on country road, and 1.6 mi west of Westby, Wis.	1.77	June 20, 1972 June 28, 1973 Sept. 11, 1973 Aug. 16, 1976	<sup>2</sup> 0 <sup>2</sup> .13 <sup>2</sup> 0 <sup>2</sup> 0	0	0	c

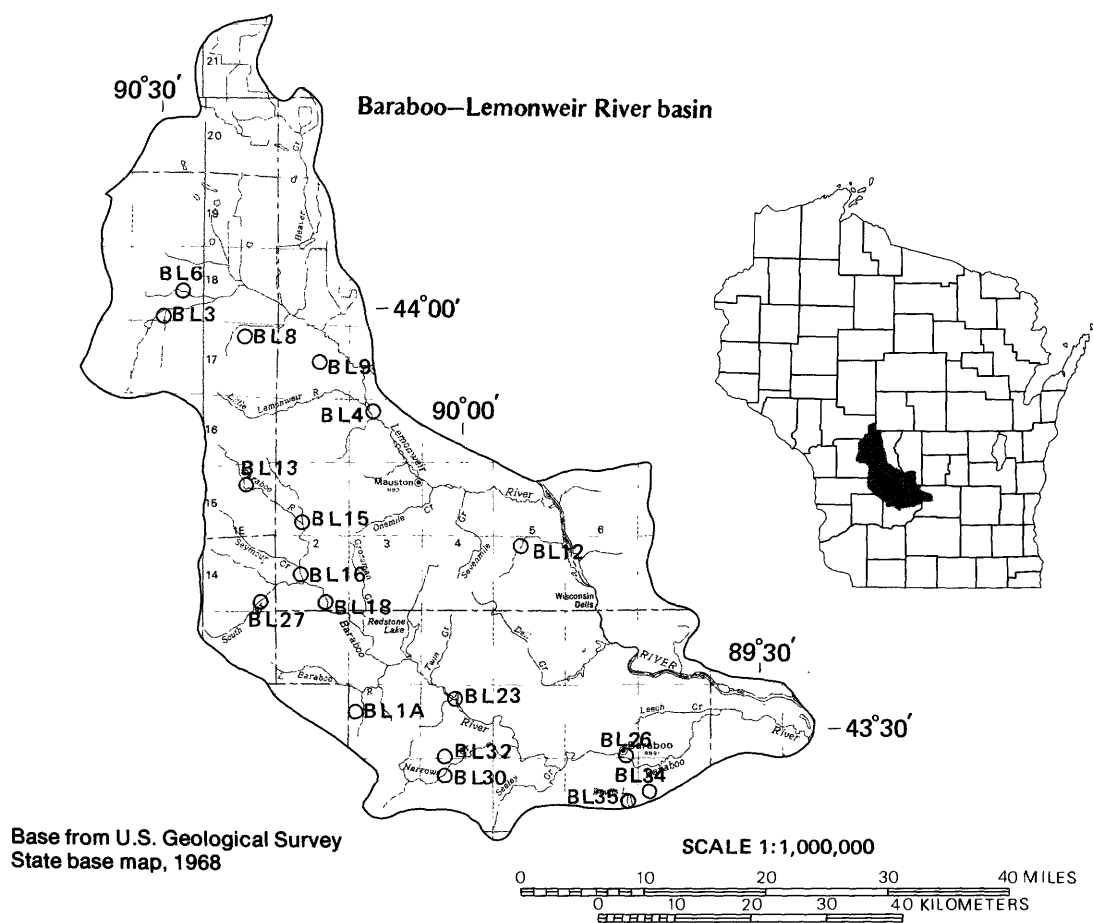
Table 1. Bad Axe River basin station locations and low-flow characteristics—Continued.

Station number <sup>1</sup>	Stream name	Station location	Drainage area (mi <sup>2</sup> )	Date	Discharge (ft <sup>3</sup> /s)	Q <sub>7,2</sub> (ft <sup>3</sup> /s)	Q <sub>7,10</sub> (ft <sup>3</sup> /s)	Accuracy level
B13	Springville Branch	NW¼NE¼ sec. 31, T. 13 N., R. 4 W., Vernon County, at end of town road, and 0.5 mi north of Viroqua, Wis.	1.15	June 20, 1972	.64	0.47	0.28	c
				June 28, 1973	.71			
				Sept. 13, 1973	.78			
				Aug. 16, 1976	.52			
B14	Springville Branch tributary	NW¼NW¼ sec. 29, T. 13 N., R. 4 W., Vernon County, at sewage-treatment plant for Vernon County Home, and 1.6 mi north of Viroqua, Wis.	.31	June 20, 1972	<sup>2</sup> 0	0	0	c
	Springville Branch	SW¼SE¼ sec. 23, T. 13 N., R. 5 W., Vernon County, at bridge on County Trunk B, in Springville, Wis.	8.93	June 20, 1972	2.57	2.6	1.1	c
				June 28, 1973	6.02			
				Sept. 13, 1973	5.61			
				June 29, 1976	4.54			
B20A	Sugar Creek	NE¼SE¼ sec. 16, T. 10 N., R. 6 W., Crawford County, at bridge on State Highway 35, 1.2 mi southeast of Ferryville, Wis.	24.6	Aug. 11, 1970	8.40	8.4	7.2	c
				June 20, 1972	10.5			
				June 28, 1973	17.8			
				Sept. 13, 1973	15.2			
				June 28, 1976	12.8			
				Aug. 17, 1976	12.0			

<sup>1</sup> Based on 1971 report by Wisconsin Department of Natural Resources.<sup>2</sup> Streambed is dry.



Table 2. Baraboo-Lemonweir River basin station locations and low-flow characteristics.



Station <sup>1</sup> number	Stream name	Station location	Drainage area (mi <sup>2</sup> )	Date	Discharge (ft <sup>3</sup> /s)	Q <sub>7,2</sub> (ft <sup>3</sup> /s)	Q <sub>7,10</sub> (ft <sup>3</sup> /s)	Accuracy level
BL3	South Fork Lemonweir River	NE¼NE¼ sec. 33, T. 18 N., R. 1 W., Monroe County, at bridge on town road at Tomah, Wis.	35.4	June 14, 1973	13.1	3.9	2.6	c
				July 26, 1973	6.47			
				Oct. 24, 1973	12.5			
				June 22, 1976	3.71			
				Aug. 11, 1976	3.58			
BL4	Lemonweir River	SW¼SE¼ sec. 8, T. 16 N., R. 3 E., Juneau County, near center of span on downstream side of bridge on State Highway 80 in New Lisbon, 200 ft downstream from recreation dam, 1.0 mi upstream from Webster Creek.	507			78	54	a
BL6	Mud Creek	NE¼NW¼ sec. 28, T. 18 N., R. 1 W., Monroe County, at bridge on U.S. Highway 12, 2.4 mi north of Tomah, Wis.	7.04	June 22, 1976	2.70	2.3	1.6	c
				Aug. 11, 1976	2.44			
				Aug. 30, 1976	1.86			
				July 28, 1977	1.48			
				Sept. 7, 1977	1.81			

Table 2. Baraboo-Lemonweir River basin station locations and low-flow characteristics—Continued.

Station number	Stream name	Station location	Drainage area (mi <sup>2</sup> )	Date	Discharge (ft <sup>3</sup> /s)	Q <sub>7,2</sub> (ft <sup>3</sup> /s)	Q <sub>7,10</sub> (ft <sup>3</sup> /s)	Accuracy level
BL8	Allen Creek	NW¼SE¼ sec. 10, T. 17 N., R. 1 E., Monroe County, at sewage-treatment plant, 1.0 mi east of Oakdale, Wis.	2.58					
	Allen Creek	NW¼SW¼ sec. 2, T. 17 N., R. 1 E., Monroe County, at bridge on town road, 1.9 mi northeast of Oakdale, Wis.	7.44	June 14, 1973 July 25, 1973 Oct. 24, 1973 June 22, 1976 Aug. 11, 1976 Sept. 29, 1976 Oct. 14, 1976 Nov. 1, 1976 Nov. 15, 1976 Dec. 1, 1976	6.00 3.43 4.34 3.24 1.97 2.15 .94 2.28 2.54 3.77	2.5	2.0	c
BL9	Lemonweir River tributary	NW¼NE¼ sec. 14, T. 17 N., R. 2 E., Juneau County, at bridge on town road, 2.5 mi northeast of Camp Williams, Wis.	14.1	June 14, 1973 July 25, 1973 Oct. 24, 1973 June 22, 1976 Aug. 11, 1976	13.7 6.75 6.90 5.00 2.98	3.5	2.7	c
BL12	Lyndon Creek	SW¼NW¼ sec. 10, T. 14 N., R. 5 E., Juneau County, at bridge on U.S. Highways 12 and 16, at Lyndon Station, Wis.	6.10	June 22, 1976 Aug. 9, 1976 Aug. 30, 1976 July 28, 1977 Sept. 7, 1977	1.30 1.27 1.17 1.24 1.10	1.0	.76	c
BL13	Baraboo River	NE¼SW¼ sec. 10, T. 15 N., R. 1 E., Monroe County, at bridge on State Highway 71, at Kendal, Wis.	15.9	June 13, 1973 July 25, 1973 Oct. 24, 1973 June 22, 1976 Aug. 10, 1976	10.7 7.96 6.38 2.74 3.47	2.4	1.7	c
BL15	Baraboo River	NW¼SW¼ sec. 33, T. 15 N., R. 2 E., Juneau County, at bridge on County Trunk O, at Elroy, Wis.	59.4	June 14, 1973 Oct. 24, 1973 June 22, 1976 Aug. 10, 1976	37.9 27.0 19.4 16.3	12	9.1	c
BL16	Baraboo River	SE¼NW¼ sec. 21, T. 14 N., R. 2 E., Juneau County, at sewage-treatment plant, at Union Center, Wis.	97.8	June 23, 1976 Aug. 10, 1976 Sept. 7, 1977	27.6 29.6 21.6	19	15	c
BL18	Baraboo River	SW¼NW¼ sec. 35, T. 14 N., R. 2 E., Juneau County, at bridge on town road, at Wonewoc, Wis.	174	July 25, 1973 June 23, 1976 Aug. 10, 1976 Sept. 7, 1977	96.8 49.0 46.5 40.4	32	21	c
BL23	Baraboo River	NE¼NE¼ sec. 9, T. 12 N., R. 4 E., Sauk County, 300 ft upstream from Hay Creek, at Reedsburg, Wis.	376	June 21, 1976 Aug. 10, 1976 July 29, 1977 Sept. 7, 1977 Sept. 5, 1978	114 90.9 206 70.0 97.2	67	49	c
BL26	Baraboo River tributary	NE¼SW¼ sec. 12, T. 11 N., R. 6 E., Sauk County, at bridge on town road, 1.8 mi south of Baraboo, Wis.	6.55	June 13, 1973	<sup>2</sup> 0	0	0	c
	Baraboo River tributary	SE¼SW¼ sec. 1, T. 11 N., R. 6 E., Sauk County, at culvert on town road, at Baraboo, Wis.	8.00	June 13, 1973 July 24, 1973 Oct. 25, 1973 June 21, 1976 Aug. 9, 1976	.37 .16 .41 .27 .14	.11	.06	c
BL27	South Branch Baraboo River	NE¼NE¼ sec. 35, T. 14 N., R. 1 E., Vernon County, at bridge on County Trunk FF, at Hillsboro, Wis.	39.1	Dec. 8, 1970 June 14, 1973 July 25, 1973 Oct. 24, 1973 June 23, 1976 Aug. 10, 1976	10.6 31.3 26.1 22.7 9.86 9.40	5.2	3.1	c

**Table 2. Baraboo-Lemonweir River basin station locations and low-flow characteristics—Continued.**

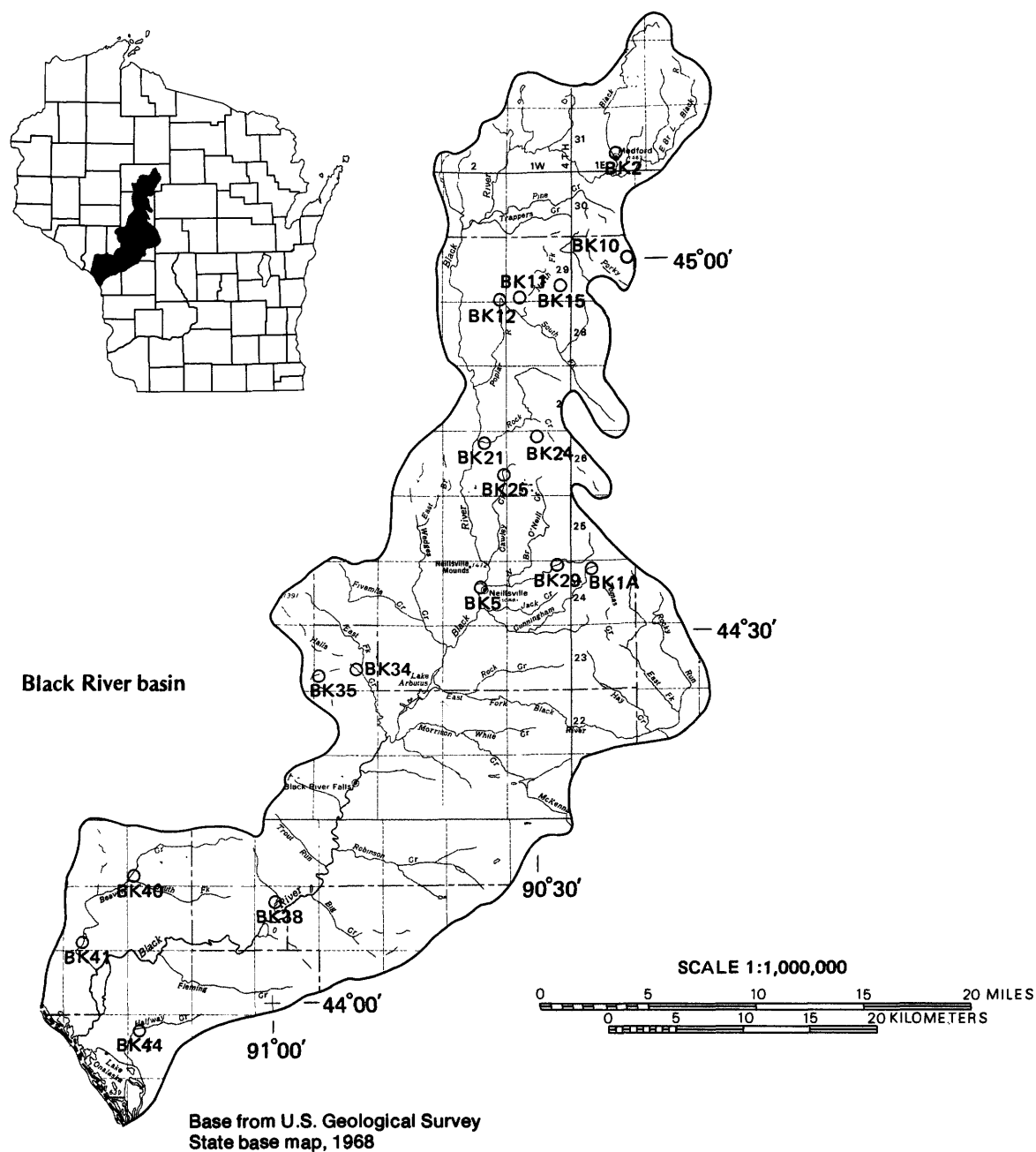
Station <sup>1</sup> number	Stream name	Station location	Drainage area (mi <sup>2</sup> )	Date	Discharge (ft <sup>3</sup> /s)	Q <sub>7,2</sub> (ft <sup>3</sup> /s)	Q <sub>7,10</sub> (ft <sup>3</sup> /s)	Accuracy level
BL30	Narrows Creek	NE¼SE¼ sec. 8, T. 11 N., R. 4 E., Sauk County, at bridge on State Highways 23 and 154, 0.2 mi north of Loganville, Wis.	40.1	Aug. 20, 1969	<sup>3</sup> 6.49	3.6	2.7	b
				July 9, 1970	6.56			
				Aug. 18, 1970	4.97			
				June 13, 1973	23.2			
				July 24, 1973	14.8			
				Oct. 25, 1973	13.4			
				June 21, 1976	6.30			
				Aug. 10, 1976	6.61			
BL32	Narrows Creek tributary	NE¼SW¼ sec. 34, T. 12 N., R. 4 E., Sauk County, at bridge on State Highway 154, 2.8 mi northeast of Loganville, Wis.	4.57	June 13, 1973	2.19	.74	.58	c
				July 24, 1973	1.54			
				Oct. 25, 1973	1.72			
				June 21, 1976	.89			
				Aug. 10, 1976	1.21			
BL34	Wisconsin River tributary	SW¼SW¼ sec. 23, T. 11 N., R. 7 E., Sauk County, at bridge on country road, 2.6 mi north of Merrimac, Wis.	2.82	June 21, 1976	.68	.17	.09	c
				Aug. 9, 1976	.37			
				Aug. 30, 1976	.52			
				July 28, 1977	.27			
				Sept. 7, 1977	.30			
BL35	Wisconsin River tributary	NW¼SE¼ sec. 28, T. 11 N., R. 7 E., Sauk County, at bridge on State Highway 113, 3.0 mi northwest of Merrimac, Wis.	3.16	June 13, 1973	3.50	.35	.21	c
				July 24, 1973	4.30			
				Oct. 25, 1973	2.17			
				June 21, 1976	.71			
				Aug. 9, 1976	1.00			
BL1A	McGlynn Creek	NW¼NW¼ sec. 8, T. 12 N., R. 3 E., Sauk County, 0.2 mi upstream from bridge on State Highway 58, 1.6 mi northeast of Cazenovia, Wis.		June 23, 1976	7.39	3.3	2.4	c
				Aug. 9, 1976	5.90			
				Aug. 30, 1976	5.16			
				July 28, 1977	3.99			
				Sept. 7, 1977	4.30			

<sup>1</sup>Based on 1973 report by Wisconsin Department of Natural Resources (DNR). Site lettered "A" was not included in 1973 DNR report.

<sup>2</sup>Streambed is dry.

<sup>3</sup>Additional discharge measurements are available.

Table 3. Black River basin station location and low-flow characteristics.



Station <sup>1</sup> number	Stream name	Station location	Drainage area (mi <sup>2</sup> )	Date	Discharge (ft <sup>3</sup> /s)	Q <sub>7,2</sub> (ft <sup>3</sup> /s)	Q <sub>7,10</sub> (ft <sup>3</sup> /s)	Accuracy level
BK2	Black River	SE¼NW¼ sec. 34, T. 31 N., R. 1 E., Taylor County, at sewage-treatment plant at south city limits of Medford, Wis.	44.0	June 20, 1973 Aug. 7, 1973 Oct. 16, 1973 July 29, 1974 Sept. 5, 1974 Aug. 18, 1975 Aug. 31, 1976	12.2 12.3 16.4 4.99 1.60 2.61 1.41	3.4	0.81	c

Table 3. Black River basin station location and low-flow characteristics—Continued.

Station number	Stream name	Station location	Drainage area (mi <sup>2</sup> )	Date	Discharge (ft <sup>3</sup> /s)	Q <sub>7,2</sub> (ft <sup>3</sup> /s)	Q <sub>7,10</sub> (ft <sup>3</sup> /s)	Accuracy level
BK5	Black River	NW¼SW¼ sec. 15, T. 24 N., R. 2 W., Clark County, on right bank at downstream side of bridge on U.S. Highway 10 in Neillsville, 1.0 mi downstream from O'Neill Creek.	756			26	6.6	a
BK10	North Fork Poplar River	NE¼NE¼ sec. 14, T. 29 N., R. 1 E., Clark County, at sewage-treatment plant, at Dorchester, Wis.	2.37	June 20, 1973 Aug. 7, 1973 Oct. 16, 1973 July 29, 1974 Sept. 5, 1974 Aug. 18, 1975	.08 .04 4.01 4.0 4.0 0	0	0	c
BK11	North Fork Poplar River	NE¼NE¼ sec. 5, T. 28 N., R. 1 W., Clark County, at bridge on State Highway 29, 2.1 mi east of Owen, Wis.	55.6	Oct. 24, 1968 Aug. 27, 1969 June 20, 1973 Aug. 8, 1973 Oct. 16, 1973 July 30, 1974 Sept. 5, 1974 Aug. 18, 1975 Aug. 31, 1976	6.31 .62 8.02 9.21 2.61 .70 .46 .10 .15	.49	.07	c
BK12	Poplar River	NE¼NW¼ sec. 1, T. 28 N., R. 2 W., Clark County, at sewage-treatment plant, at Owen, Wis.	145	June 20, 1973 Aug. 7, 1973 Oct. 16, 1973 July 30, 1974 Sept. 5, 1974 Aug. 18, 1975 Aug. 31, 1976	22.3 15.7 5.07 1.99 .21 1.39 .53	1.5	.28	c
BK15	North Fork Poplar River tributary	NW¼NE¼ sec. 36, T. 29 N., R. 1 W., Clark County, at country road bridge, 0.5 mi northwest of Curtiss, Wis.	.66	June 20, 1973 Aug. 7, 1973 Oct. 6, 1973 July 30, 1974 Sept. 5, 1974 Aug. 18, 1975	2 2.0 2.0 2.0 2.0 2.0	0	0	c
BK21	Rock Creek	SE¼SE¼ sec. 3, T. 26 N., R. 2 W., Clark County, at bridge on State Highway 73, 0.5 mi south of Greenwood, Wis.	78.4	Oct. 25, 1968 Aug. 28, 1969 Aug. 11, 1970 Aug. 8, 1972 June 20, 1973 Aug. 8, 1973 Oct. 16, 1973 July 30, 1974 Sept. 5, 1974 Aug. 19, 1975 Aug. 31, 1976	7.38 1.74 1.19 24.0 13.6 10.4 4.67 1.22 1.58 .99 .16	.88	.12	c
BK24	Bear Creek	SW¼SW¼ sec. 10, T. 26 N., R. 1 W., Clark County, at bridge on County Trunk K, upstream from sewage-treatment plant, at Loyal, Wis.	2.97	Aug. 8, 1972 June 20, 1973 Aug. 8, 1973 Oct. 16, 1973 July 30, 1974 Sept. 5, 1974 Aug. 19, 1975 Aug. 31, 1976	.95 .37 3.36 .12 4.14 4.0 4.0 .04	.08	.03	c
BK25	Cauley Creek	SE¼SE¼ sec. 24, T. 26 N., R. 2 W., Clark County, at bridge on town road, 3.7 mi southwest of Loyal, Wis.	5.14	Sept. 5, 1974 Aug. 19, 1975 Aug. 23, 1977	.20 .15 .12	.11	.02	c



Table 3. Black River basin station location and low-flow characteristics—Continued.

Station number <sup>1</sup>	Stream name	Station location	Drainage area (mi <sup>2</sup> )	Date	Discharge (ft <sup>3</sup> /s)	Q <sub>7,2</sub> (ft <sup>3</sup> /s)	Q <sub>7,10</sub> (ft <sup>3</sup> /s)	Accuracy level
BK29	South Branch O'Neill Creek	NW¼SE¼ sec. 2, T. 24 N., R. 1 W., Clark County, at sewage-treatment plant, 0.2 mi downstream from County Trunk K bridge, at Granton, Wis.	16.9	Aug. 7, 1972	1.61	0.30	0.07	c
				June 20, 1973	2.70			
				Aug. 8, 1973	3.80			
				Oct. 16, 1973	1.37			
				July 31, 1974	.25			
				Sept. 5, 1974	.64			
				Aug. 19, 1975	.28			
				Aug. 31, 1976	.17			
				July 28, 1977	1.08			
				Aug. 18, 1977	.28			
BK34	Halls Creek	SE¼NW¼ sec. 26, T. 23 N., R. 4 W., Jackson County, at sewage-treatment plant, 0.3 mi downstream from U. S. Highway 12 bridge, at Merrillan, Wis.	46.3	Aug. 7, 1972	21.2	12	8.4	c
				June 20, 1973	44.3			
				Aug. 8, 1973	97.3			
				Oct. 15, 1973	27.8			
				July 31, 1974	16.7			
				Sept. 6, 1974	19.1			
				Aug. 19, 1975	16.8			
				Sept. 1, 1976	22.0			
				Aug. 7, 1972	3.56	1.3	.80	c
				June 20, 1973	7.65			
				Aug. 8, 1973	18.7			
				Oct. 15, 1973	5.55			
				July 31, 1974	2.98			
				Sept. 6, 1974	3.34			
				Aug. 19, 1975	2.35			
				Sept. 1, 1976	1.18			
BK38	Douglas Creek	SW¼SW¼ sec. 9, T. 19 N., R. 5 W., Jackson County, at bridge on County Trunk E, just upstream from sewage-treatment plant, at Melrose, Wis.	22.9	Aug. 12, 1970	9.01	7.8	5.6	c
				Aug. 9, 1972	12.4			
				June 21, 1973	20.1			
				Aug. 9, 1973	24.0			
				Oct. 15, 1973	18.5			
				July 31, 1974	13.3			
				Sept. 4, 1974	17.1			
				Aug. 19, 1975	9.82			
				Sept. 1, 1976	11.4			
				Aug. 10, 1970	17.4	14	9.2	c
BK40	Beaver Creek	SW¼NW¼ sec. 31, T. 20 N., R. 7 W., Trempealeau County, at bridge on County Trunk C, 0.3 mi upstream from confluence with South Fork Beaver Creek, at Ettrick, Wis.	51.0	Aug. 21, 1970	17.6			
				Aug. 9, 1973	93.9			
				Oct. 15, 1973	39.4			
				July 31, 1974	30.1			
				Sept. 4, 1974	30.5			
				Aug. 19, 1975	25.6			
				Sept. 1, 1976	23.4			
				Aug. 9, 1972	72.4	41	29	c
				June 21, 1973	107			
				Aug. 9, 1973	227			
				Oct. 15, 1973	92.4			
				July 31, 1974	69.6			
				Sept. 4, 1974	87.9			
				Aug. 20, 1975	63.9			
				Sept. 2, 1976	53.0			
				Aug. 9, 1972	7.31	5.1	3.1	c
BK44	Halfway Creek	NW¼SE¼ sec. 7, T. 17 N., R. 7 W., La Crosse County, at sewage-treatment plant, 0.4 mi downstream from County Trunk DH, in Holmen, Wis.	31.1	June 21, 1973	14.4			
				Aug. 9, 1973	24.0			
				Oct. 15, 1973	18.8			
				July 31, 1974	9.38			
				Sept. 4, 1974	11.2			
				Aug. 20, 1975	11.9			
				Sept. 2, 1976	7.96			
				July 21, 1977	7.48			

Table 3. Black River basin station location and low-flow characteristics—Continued.

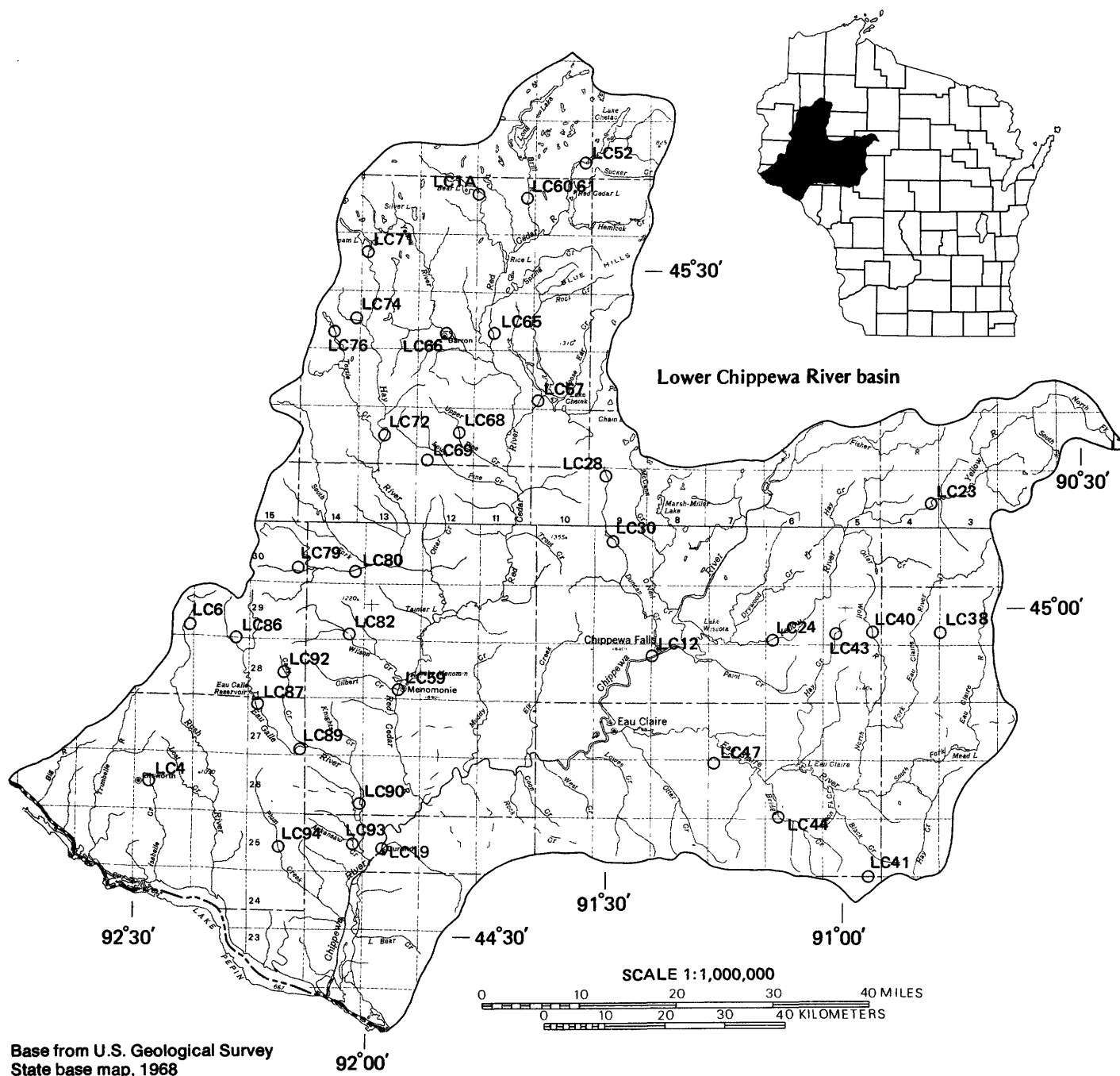
Station <sup>1</sup> number	Stream name	Station location	Drainage area (mi <sup>2</sup> )	Date	Discharge (ft <sup>3</sup> /s)	Q <sub>7,2</sub> (ft <sup>3</sup> /s)	Q <sub>7,10</sub> (ft <sup>3</sup> /s)	Accuracy level
BK1A	Cunningham Creek	SE¼SW¼ sec. 5, T. 24 N., R. 1 E., Clark County, at bridge on U.S. Highway 10, at Lynn, Wis.	2.62	Aug. 19, 1976 Aug. 31, 1976 Aug. 23, 1977	0.06 .08 .06	0.08	0.02	c

<sup>1</sup> Based on 1969 report by Wisconsin Department of Natural Resources (DNR). Site lettered "A" was not included in 1969 DNR report.

<sup>2</sup> Streambed is dry.

<sup>4</sup> Negligible discharge—water ponded, unable to measure velocity.

Table 4. Lower Chippewa River basin station locations and low-flow characteristics.



Station number	Stream name	Station location	Drainage area (mi <sup>2</sup> )	Date	Discharge (ft <sup>3</sup> /s)	Q <sub>7,2</sub> (ft <sup>3</sup> /s)	Q <sub>7,10</sub> (ft <sup>3</sup> /s)	Accuracy level
LC4	Isabelle Creek	SW¼SE¼ sec. 17, T. 26 N., R. 17 W., Pierce County, just upstream from creamery outfall, at Ellsworth, Wis.	1.53	June 29, 1973 Aug. 24, 1976 Aug. 9, 1977	0.08 2.30 2.0	0	0	c

Table 4. Lower Chippewa River basin station locations and low-flow characteristics—Continued.

Station number <sup>1</sup>	Stream name	Station location	Drainage area (mi <sup>2</sup> )	Date	Discharge (ft <sup>3</sup> /s)	Q <sub>7,2</sub> (ft <sup>3</sup> /s)	Q <sub>7,10</sub> (ft <sup>3</sup> /s)	Accuracy level
LC4	Isabelle Creek	NE¼NE¼ sec. 20, T. 26 N., R. 17 W., Pierce County, at sewage-treatment plant, 1.2 mi east of Ellsworth, Wis.	2.81	June 26, 1972 Aug. 16, 1972 June 29, 1973 Aug. 7, 1973 July 30, 1974 Aug. 24, 1976 Aug. 9, 1977	1.38 .22 1.41 1.06 1.71 .40 1.05	5	5	
LC6	Rush River tributary	NW¼NW¼ sec. 36, T. 29 N., R. 17 W., St. Croix County, at bridge on country road, 1.1 mi southwest of Baldwin, Wis.	4.30	June 27, 1972 Aug. 16, 1972 June 29, 1973 Aug. 8, 1973 July 30, 1974 Aug. 23, 1976	.46 .17 .51 .58 .60 .25	5	5	
LC12	Chippewa River	SE¼NE¼ sec. 12, T. 28 N., R. 9 W., Chippewa County, on right bank at Chippewa Falls, 1.0 mi downstream from Duncan Creek.	5,670			1,440	794	a
LC19	Chippewa River	SW¼ sec. 21, T. 25 N., R. 13 W., Pepin County, on left bank at Durand, 75 ft downstream from U.S. Highway 10 bridge, 9.5 mi downstream from Red Cedar River.	9,010			2,930	2,080	a
LC23	Yellow River	SW¼NW¼ sec. 24, T. 31 N., R. 4 W., Taylor County, just upstream from sewage lagoon, 0.8 mi southwest of Gilman, Wis.	193	June 28, 1972 Aug. 15, 1972 June 26, 1973 Aug. 9, 1973 July 29, 1974 Aug. 25, 1976	7.33 110 23.6 16.1 6.05 3.36	4.8	2.2	c
LC24	Yellow River	SE¼SW¼ sec. 31, T. 29 N., R. 6 W., Chippewa County, 0.1 mi north of State Highway 29, 0.7 mi west of junction of State Highways 27 and 29, at Cadott, Wis.	351	June 27, 1972 Aug. 14, 1972 Aug. 8, 1973 June 26, 1973 July 30, 1974 Aug. 26, 1976	<sup>3</sup> 20.1 121 29.4 56.7 16.9 6.90	11	5.2	a
LC28	Duncan Creek	SE¼NW¼ sec. 1, T. 31 N., R. 10 W., Chippewa County, at sewage-treatment plant, at New Auburn, Wis.	.49	July 31, 1974	<sup>4</sup> 0	0	0	c
	Duncan Creek	NE¼NE¼ sec. 8, T. 31 N., R. 9 W., Chippewa County, at bridge on County Trunk AA, 3.0 mi southeast of New Auburn, Wis.	13.1	June 28, 1972 Aug. 15, 1972 June 27, 1973 Aug. 9, 1973 Aug. 25, 1976 Aug. 25, 1977	3.61 1.80 1.66 4.53 .87 .74	.63	.36	c
LC30	Duncan Creek	NE¼NE¼ sec. 8, T. 30 N., R. 9 W., Chippewa County, on left bank 0.3 mi below Bloomer dam, at Bloomer, Wis.	49.2	Oct. 25, 1972	<sup>3</sup> 50.4	10	6.7	a
	Duncan Creek	NW¼SW¼ sec. 9, T. 30 N., R. 9 W., Chippewa County, at sewage-treatment plant, at Bloomer, Wis.	52.8					
LC38	North Fork Eau Claire River tributary	NW¼NW¼ sec. 31, T. 29 N., R. 3 W., Clark County, at bridge on County Trunk M, at Thorp, Wis.	2.12	June 28, 1972 Aug. 15, 1972 Aug. 8, 1973 July 30, 1974	4.48 0 1.30 .30 est.	0	0	c
LC40	Wolf River	SE¼NW¼ sec. 36, T. 29 N., R. 5 W., Chippewa County, at sewage-treatment plant, at Stanley, Wis.	27.6	June 28, 1972 Aug. 15, 1972 June 26, 1973 Aug. 8, 1973 July 30, 1974 Aug. 25, 1976	1.96 2.74 4.33 4.16 4.19 0	6	6	

Table 4. Lower Chippewa River basin station locations and low-flow characteristics—Continued.

Station number <sup>1</sup>	Stream name	Station location	Drainage area (mi <sup>2</sup> )	Date	Discharge (ft <sup>3</sup> /s)	Q <sub>7,2</sub> (ft <sup>3</sup> /s)	Q <sub>7,10</sub> (ft <sup>3</sup> /s)	Accuracy level
LC41	Black Creek tributary	NE¼NW¼ sec. 2, T. 24 N., R. 5 W., Jackson County, at sewage lagoon, 0.5 mi south of Fairchild, Wis.	6.31					
	Black Creek tributary	NE¼NW¼ sec. 2, T. 24 N., R. 5 W., Jackson County, at bridge on U.S. Highways 10 and 12, at Fairchild, Wis.	10.1	June 27, 1972 Aug. 14, 1972 June 25, 1973 Aug. 9, 1973 July 30, 1974 Aug. 26, 1976	2.68 4.10 7.30 5.76 3.37 2.38	1.7	1.1	c
LC43	Hay Creek	SE¼SW¼ sec. 29, T. 29 N., R. 5 W., Chippewa County, at culvert on country road, 1.1 mi northeast of Boyd, Wis.		June 27, 1972 Aug. 15, 1972 June 26, 1973 Aug. 8, 1973 July 30, 1974 Aug. 26, 1976	1.05 1.09 1.45 1.44 .62 .50	.62	.43	c
	Hay Creek tributary	SE¼NE¼ sec. 31, T. 29 N., R. 5 W., Chippewa County, at sewage-treatment plant, at Boyd, Wis.	2.73					
LC44	Bridge Creek	SE¼SE¼ sec. 32, T. 26 N., R. 6 W., Eau Claire County, at sewage-treatment plant, at Augusta, Wis.	34.9	June 27, 1972 Aug. 14, 1972 June 25, 1973 Aug. 9, 1973 July 30, 1974 Aug. 26, 1976	8.89 10.2 23.0 56.9 6.77 4.70	4.2	2.6	c
LC47	Fall Creek	NW¼NE¼ sec. 6, T. 26 N., R. 7 W., Eau Claire County, at sewage-treatment plant, 0.3 mi north of U.S. Highway 12, at Fall Creek, Wis.	15.8	June 27, 1972 Aug. 14, 1972 June 25, 1973 Aug. 9, 1973 July 30, 1974 Aug. 24, 1976	1.88 2.49 4.52 9.61 1.95 1.24	1.1	.68	c
LC52	Red Cedar River	NW¼SW¼ sec. 25, T. 37 N., R. 10 W., Washburn County, at culvert on County Trunk D, at Birchwood, Wis.	69.5	June 13, 1972 Aug. 16, 1972 June 28, 1973 Aug. 8, 1973 Aug. 1, 1974 Aug. 26, 1976 Aug. 24, 1977	14.6 21.0 20.7 28.9 11.6 2.40 5.47	3.2	1.5	c
LC59	Red Cedar River	NW¼NW¼ sec. 26, T. 28 N., R. 13 W., Dunn County, on right bank at Manomomie, 900 ft downstream from powerplant of Northern States Power Company and 1,000 ft downstream from Wilson Creek.	1,760			602	427	a
LC60, 61	Brill River	SE¼SW¼ sec. 12, T. 36 N., R. 11 W., Barron County, at bridge on County Trunk V, 0.5 mi north of Brill, Wis.	94.3	Oct. 25, 1972 June 28, 1973 Aug. 9, 1973 Aug. 1, 1974 Aug. 26, 1976 Aug. 23, 1977	52.0 54.7 52.5 30.7 24.9 26.9	20	11	c
LC65	Cranberry Creek	SW¼SE¼ sec. 20, T. 34 N., R. 11 W., Barron County, at culvert on U.S. Highway 8, at Cameron, Wis.	4.52	Jan. 19, 1965 Oct. 26, 1972 June 27, 1973 Aug. 9, 1973 July 31, 1974 Aug. 25, 1976 Aug. 23, 1977	2.91 5.23 4.67 3.91 2.26 1.97 1.36	1.2	.5	c
	Cranberry Creek	SE¼NE¼ sec. 29, T. 34 N., R. 11 W., at sewage-treatment plant, at Cameron, Wis.	5.03					



Table 4. Lower Chippewa River basin station locations and low-flow characteristics—Continued.

Station number	Stream name	Station location	Drainage area (mi <sup>2</sup> )	Date	Discharge (ft <sup>3</sup> /s)	Q <sub>7,2</sub> (ft <sup>3</sup> /s)	Q <sub>7,10</sub> (ft <sup>3</sup> /s)	Accuracy level
LC66	Yellow River	NW¼SE¼ sec. 27, T. 34 N., R. 12 W., Barron County, just downstream from dam and upstream from Quaderer Creek, in Barron, Wis.	146	Oct. 25, 1972 June 27, 1973 Aug. 9, 1973 July 31, 1974 Aug. 25, 1976 Aug. 24, 1977	148 117 88.1 52.6 44.6 42.2	29	14	c
LC67	Chetek River	NW¼SW¼ sec. 31, T. 33 N., R. 10 W., Barron County, just downstream from Tenmile Creek, 1.4 mi southwest of Chetek, Wis.	194	Oct. 25, 1972 June 27, 1973 Aug. 8, 1973 July 31, 1974 Aug. 26, 1976 Aug. 24, 1977	198 143 112 43.2 47.2 42.5	28	11	c
LC68	Upper Pine Creek	SW¼NW¼ sec. 11, T. 32 N., R. 12 W., Barron County, at bridge on County Trunk U, 1.1 mi north of Dallas, Wis.	8.85	Aug. 15, 1972 June 27, 1973 Aug. 8, 1973 July 31, 1974 Aug. 25, 1976 Aug. 22, 1977	6.19 6.13 6.46 4.75 4.46 4.21	3.8	2.9	c
	East Branch Upper Pine Creek	SW¼SE¼ sec. 11, T. 32 N., R. 12 W., Barron County, at bridge on County Trunk U, 0.6 mi north of Dallas, Wis.	9.60	Aug. 8, 1973 Aug. 25, 1976 Aug. 22, 1977	7.21 3.18 3.55	2.8	1.6	c
	Upper Pine Creek	SW¼SE¼ sec. 14, T. 32 N., R. 12 W., Barron County, at sewage-treatment plant, at Dallas, Wis.	19.7			6.2	3.6	c
LC69	Lower Pine Creek tributary	NE¼NE¼ sec. 6, T. 31 N., R. 12 W., Dunn County, at sewage-treatment plant, at Ridgeland, Wis.	7.94	June 27, 1972 Aug. 15, 1972 June 27, 1973 Aug. 8, 1973 July 31, 1974 Aug. 24, 1976 Aug. 23, 1977	.86 1.40 1.38 1.26 .60 .44 .88	.41	.18	c
LC71	Hay River	SE¼SE¼ sec. 7, T. 35 N., R. 13 W., Barron County, at culvert on County Trunk P, 0.6 mi south of Cumberland, Wis.	1.28	Aug. 16, 1972 June 28, 1973 Aug. 9, 1973 Aug. 1, 1974	10.8 7.74 2.0 2.0	6	6	
	Hay River	SW¼NW¼ sec. 20, T. 35 N., R. 13 W., Barron County, at culvert on country road, 2.1 mi south of Cumberland, Wis.		June 28, 1973 Aug. 9, 1973 Aug. 1, 1974	9.14 2.14 2.0	6	6	
LC72	Hay River	SW¼NE¼ sec. 16, T. 32 N., R. 13 W., Barron County, at bridge on County Trunk F, 1.8 mi north of Prairie Farm, Wis.	80.5	Oct. 26, 1972 June 27, 1973 Aug. 8, 1973 July 31, 1974 Aug. 24, 1976	53.1 50.6 47.1 31.4 29.7	22	14	c
	Hay River	NE¼NW¼ sec. 28, T. 32 N., R. 13 W., Barron County, 0.3 mi upstream from Turtle Creek, at Prairie Farm, Wis.	84.8					
LC74	Lightning Creek	NW¼ sec. 19, T. 34 N., R. 13 W., Barron County, at bridge on County Trunk P, in Almena, Wis.	19.0	June 28, 1973 Aug. 9, 1973 July 31, 1974 Aug. 25, 1976	3.50 3.88 1.02 1.43	.59	.20	c
	Lightning Creek	NW¼SW¼ sec. 19, T. 34 N., R. 13 W., Barron County, at sewage-treatment plant, at Almena, Wis.	19.4					

Table 4. Lower Chippewa River basin station locations and low-flow characteristics—Continued.

Station number	Stream name	Station location	Drainage area (mi <sup>2</sup> )	Date	Discharge (ft <sup>3</sup> /s)	Q <sub>7,2</sub> (ft <sup>3</sup> /s)	Q <sub>7,10</sub> (ft <sup>3</sup> /s)	Accuracy level
LC76	Turtle Creek	NE¼NW¼ sec. 27, T. 34 N., R. 14 W., Barron County, at culvert on U.S. Highway 8, 2.7 mi northeast of Turtle Lake, Wis.	2.37	Aug. 16, 1972	8.09	1.1	.42	c
	Turtle Creek tributary	SW¼SE¼ sec. 28, T. 34 N., R. 14 W., Barron County, at sewage-treatment plant, 1.9 mi east of Turtle Lake, Wis.		June 28, 1973 Aug. 9, 1973 Aug. 1, 1974 Aug. 25, 1976 Aug. 23, 1977	5.96 4.66 1.92 1.57 1.96			
LC79	Tiffany Creek	NE¼NE¼ sec. 35, T. 30 N., R. 15 W., St. Croix County, at bridge on country road, 1.0 mi southeast of Glenwood City, Wis.	14.0	June 27, 1972	4.53	3.1	2.0	c
	Tiffany Creek	SE¼SW¼ sec. 25, T. 30 N., R. 15 W., St. Croix County, at sewage lagoons, 1.3 mi southeast of Glenwood, Wis.		Aug. 16, 1972 June 28, 1973 Aug. 8, 1973 July 30, 1974 Aug. 24, 1976	6.14 6.29 5.54 4.14 5.58			
LC80	Tiffany Creek	SE¼SE¼ sec. 26, T. 30 N., R. 14 W., Dunn County, at bridge on State Highway 79, at Boyceville, Wis.	73.3	June 27, 1972	19.5	13	8.2	c
	Tiffany Creek	SW¼NW¼ sec. 30, T. 30 N., R. 13 W., Dunn County, at sewage lagoon, 1.2 mi northeast of Boyceville, Wis.		Oct. 26, 1972 June 28, 1973 Aug. 8, 1973 July 30, 1974 Aug. 24, 1976 Aug. 23, 1977	38.2 29.5 21.3 18.6 17.5 19.1			
LC82	Wilson Creek	NW¼SE¼ sec. 35, T. 29 N., R. 14 W., Dunn County, at sewage-stabilization pond, 2.1 mi east of Knapp, Wis.	27.5	June 27, 1972	11.3	9.2	5.9	c
	Wilson Creek	NE¼NE¼ sec. 2, T. 28 N., R. 14 W., Dunn County, at bridge on U.S. Highway 12, 2.3 mi southeast of Knapp, Wis.		Oct. 25, 1972 June 29, 1973 Aug. 7, 1973 July 30, 1974 Aug. 23, 1976	14.7 18.6 18.6 13.6 12.8			
LC86	Eau Galle River tributary	NE¼NW¼ sec. 2, T. 28 N., R. 16 W., St. Croix County, at sewage lagoon, 0.8 mi south of Woodville, Wis.	11.7	Aug. 15, 1972 June 29, 1973 Aug. 8, 1973 July 30, 1974	2.01 2.0 2.0 2.0	0	0	c
LC87	Eau Galle River	NE¼SE¼ sec. 6, T. 27 N., R. 15 W., Pierce County, on town road near center of bridge at Spring Valley, 0.1 mi upstream from Mines Creek, 0.5 mi downstream from Lousy Creek.	64.8			7.6	6.4	a
LC89	Eau Galle River	NW¼SE¼ sec. 35, T. 27 N., R. 15 W., Pierce County, on downstream right side of highway bridge in Elmwood, 2.0 mi upstream from Cady Creek.	91.9			15	11	a
LC90	Eau Galle River	SW¼NW¼ sec. 31, T. 26 N., R. 13 W., Dunn County, at County Trunk D, in Eau Galle, Wis.	182	Oct. 26, 1972 Aug. 24, 1976 Aug. 9, 1977	97.3 70.4 64.2	44	36	c

Table 4. Lower Chippewa River basin station locations and low-flow characteristics—Continued.

Station number <sup>1</sup>	Stream name	Station location	Drainage area (mi <sup>2</sup> )	Date	Discharge (ft <sup>3</sup> /s)	Q <sub>7,2</sub> (ft <sup>3</sup> /s)	Q <sub>7,10</sub> (ft <sup>3</sup> /s)	Accuracy level
LC92	Cady Creek	NE¼NE¼ sec. 9, T. 28 N., R. 15 W., St. Croix County, at bridge on State Highway 128, 2.0 mi southwest of Wilson, Wis.	1.68	July 30, 1974 Aug. 9, 1977	<sup>2</sup> <sub>0</sub> <sup>2</sup> <sub>0</sub>	0	0	c
	Cady Creek	SE¼NE¼ sec. 22, T. 28 N., R. 15 W., St. Croix County, at bridge on country road, 4.5 mi northeast of Spring Valley, Wis.	6.24	July 30, 1974 Aug. 23, 1976 Aug. 9, 1977	<sup>2</sup> <sub>0</sub> <sup>2</sup> <sub>0</sub> <sup>2</sup> <sub>0</sub>	0	0	c
LC93	Arkansaw Creek	SW¼NW¼ sec. 24, T. 25 N., R. 14 W., Pepin County, at bridge on County Trunk D and O, at Arkansaw, Wis.	22.2	June 26, 1972 June 29, 1973 Aug. 7, 1973 July 30, 1974 Aug. 23, 1976	4.85 9.45 9.30 6.44 5.80	3.8	3.2	c
LC94	Plum Creek	SE¼NW¼ sec. 22, T. 25 N., R. 15 W., Pierce County, at bridge on U.S. Highway 10, in Plum City, Wis.	31.5			2.8	2.0	b
LC1A	Bear Creek	NW¼NE¼ sec. 18, T. 36 N., R. 11 W., Barron County, outlet Bear Lake, at Haugen, Wis.	36.8	July 14, 1972 Aug. 9, 1972 Oct. 24, 1972 Aug. 26, 1976 Aug. 23, 1977	14.4 20.5 21.0 4.34 7.57	5.6	3.0	c

<sup>1</sup> Based on 1971 report by Wisconsin Department of Natural Resources (DNR). Site lettered "A" was not included in 1971 DNR report.

<sup>2</sup> Streambed is dry.

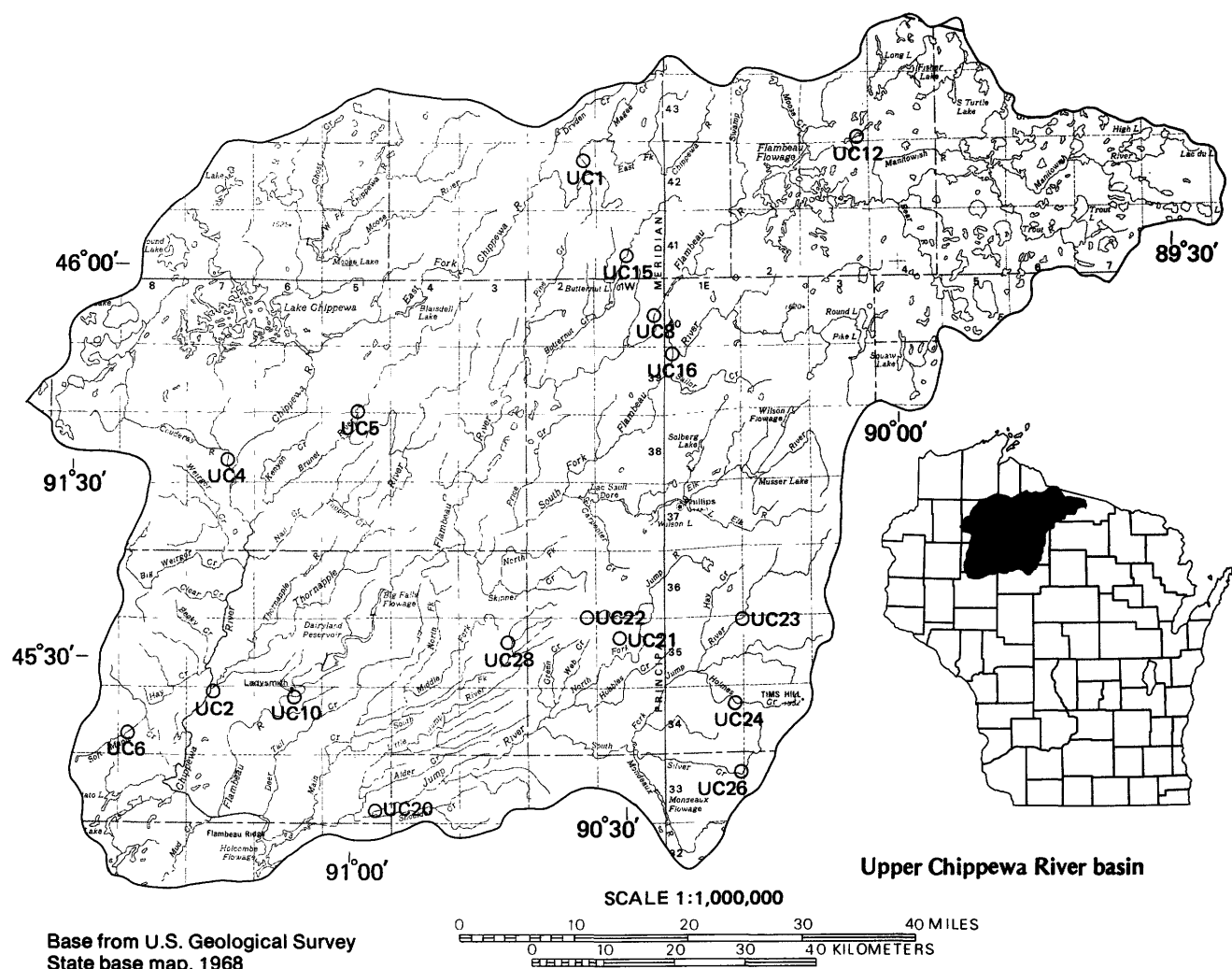
<sup>3</sup> Additional discharge measurements are available.

<sup>4</sup> Negligible discharge—water ponded, unable to measure velocity.

<sup>5</sup> No estimate possible—discharge is primarily effluent.

<sup>6</sup> No estimate possible due to regulation upstream.

Table 5. Upper Chippewa River basin station locations and low-flow characteristics.



Station number	Stream name	Station location	Drainage area (mi <sup>2</sup> )	Date	Discharge (ft <sup>3</sup> /s)	Q <sub>7,2</sub> (ft <sup>3</sup> /s)	Q <sub>7,10</sub> (ft <sup>3</sup> /s)	Accuracy level
UC1	East Fork Chippewa River	NW¼NW¼ sec. 13, T. 42 N., R. 2 W., Ashland County, town road, 0.7 mi southeast of Glidden, Wis.	94.6	June 15, 1972 June 18, 1973 June 26, 1974 July 24, 1974 Sept. 4, 1974 July 29, 1975 Aug. 24, 1976	<sup>3</sup> 88.1 59.2 63.1 69.6 44.9 26.6 20.8	26	19	b
UC2	Chippewa River	SE¼ sec. 5, T. 34 N., R. 7 W., Rusk County, on U.S. Highway 8, on right bank 1.0 mi east of Bruce, 1.0 mi downstream from Thornapple River.	1,630			440	300	a

Table 5. Upper Chippewa River basin station locations and low-flow characteristics—Continued.

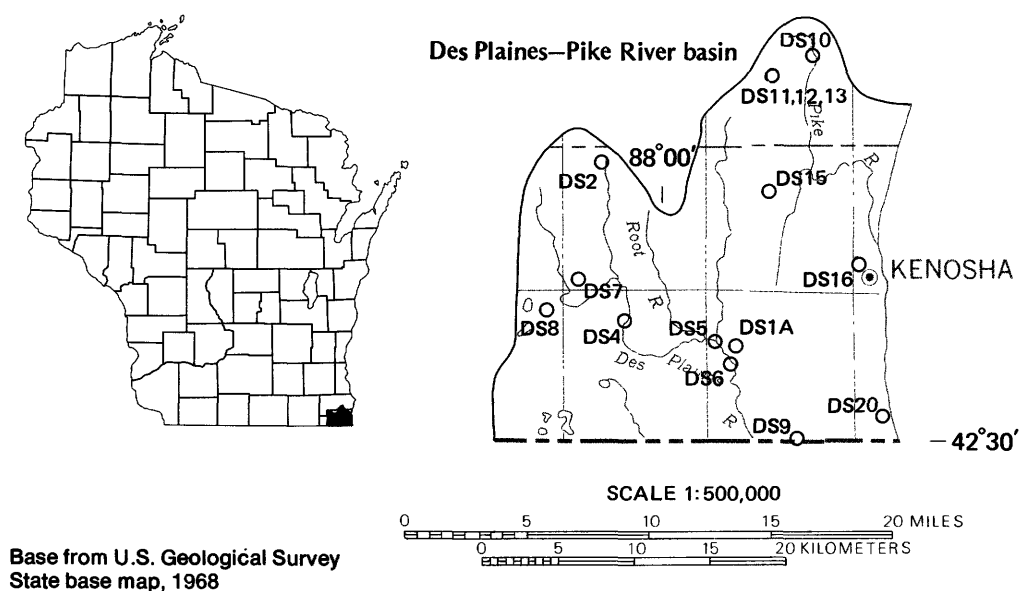
Station number	Stream name	Station location	Drainage area (mi <sup>2</sup> )	Date	Discharge (ft <sup>3</sup> /s)	Q <sub>7,2</sub> (ft <sup>3</sup> /s)	Q <sub>7,10</sub> (ft <sup>3</sup> /s)	Accuracy level
UC4	Couderay River	SE¼SW¼ sec. 17, T. 38 N., R. 7 W., Sawyer County, at bridge on country road, 2.2 mi west of Radisson, Wis.	187	June 19, 1973 Oct. 17, 1973 July 24, 1974 Sept. 5, 1974 July 30, 1975 Aug. 25, 1976	116 255 89.0 70.2 82.1 37.6	54	31	c
	Couderay River	NW¼SE¼ sec. 22, T. 38 N., R. 7 W., Sawyer County, at dam, 0.6 mi south of Radisson, Wis.	206					
UC5	Brunet River	SE¼NE¼ sec. 9, T. 38 N., R. 5 W., Sawyer County, at bridge on County Trunk W, 2.1 mi southeast of Winter, Wis.	58.7	Aug. 23, 1967 June 13, 1972 June 19, 1973 Oct. 17, 1973 July 24, 1974 Sept. 5, 1974 July 30, 1975 Aug. 25, 1976	17.4 17.0 35.9 20.3 18.8 18.9 17.4 8.84	12	7.8	c
	Soft Maple Creek	SE¼SE¼ sec. 19, T. 34 N., R. 8 W., Rusk County, at bridge on County Trunk F, 1.2 mi southeast of Weyerhauser, Wis.	18.4	June 13, 1972 June 19, 1973 Aug. 8, 1973 July 24, 1974 Sept. 5, 1974 July 30, 1975 Aug. 25, 1976	5.03 6.72 7.96 1.94 2.21 2.00 1.99	1.8	1.3	c
UC8	Flambeau River	NW¼SW¼ sec. 24, T. 40 N., R. 1 W., Price County, at sewage-treatment plant, at Park Falls, Wis.	769			500	260	a
UC10	Flambeau River	S¼ sec. 35, T. 36 N., R. 5 W., Rusk County, at Big Falls power-plant of Lake Superior District Power Company, 2.3 mi upstream from Josie Creek, 4.0 mi upstream from highway bridge, 8.5 mi northeast of Ladysmith, Wis.	1,820			710	435	a
UC12	Little Turtle River	SW¼NE¼ sec. 36, T. 43 N., R. 3 E., Iron County, at bridge on U.S. Highway 51, at Mercer, Wis.	9.77	June 15, 1972 June 18, 1973 Aug. 7, 1973 July 23, 1974 Sept. 4, 1974 July 29, 1975 Aug. 24, 1976	7.38 12.9 6.10 5.55 4.95 4.68 4.08	4.1	3.2	c
UC15	Butternut Creek	NW¼NE¼ sec. 28, T. 41 N., R. 1 W., Ashland County, at sewage-treatment plant outlet, in Butternut, Wis.	25.0	June 15, 1972 June 18, 1973 Oct. 17, 1973 July 23, 1974 Sept. 4, 1974 July 29, 1975 Aug. 24, 1976	44.1 16.2 31.5 20.0 10.6 6.08 3.84	5.3	3.4	c
UC16	South Fork Flambeau River	NE¼NW¼ sec. 7, T. 34 N., R. 1 E., Price County, at bridge on Center Street, at Fifiield, Wis.	262	July 29, 1975 Aug. 2, 1976 Aug. 24, 1976 Aug. 23, 1977	56.4 35.1 44.0 76	52	36	c
UC20	Jump River	SW¼SE¼ sec. 26, T. 33 N., R. 5 W., Rusk County, on right bank, just downstream from County Trunk C bridge in Sheldon, 1,500 ft upstream from Shoulder Creek, 11 mi upstream from mouth.	574			35	20	a
UC21	North Fork Jump River tributary	SW¼SW¼ sec. 16, T. 35 N., R. 1 W., Price County, at bridge on country road, 2.0 mi southeast of Catawba, Wis.	3.61	July 28, 1975 Aug. 2, 1976 Aug. 23, 1977	4 20 .05	0	0	c

Table 5. Upper Chippewa River basin station locations and low-flow characteristics—Continued.

Station number <sup>1</sup>	Stream name	Station location	Drainage area (mi <sup>2</sup> )	Date	Discharge (ft <sup>3</sup> /s)	Q <sub>7,2</sub> (ft <sup>3</sup> /s)	Q <sub>7,10</sub> (ft <sup>3</sup> /s)	Accuracy level
UC22	Web Creek tributary	SW¼NE¼ sec. 23, T. 35 N., R. 2 W., Price County, at bridge on Web Creek Road, 2.1 mi south of Kennan, Wis.	5.65	July 28, 1975 Aug. 2, 1976 Aug. 23, 1977	<sup>2</sup> <sub>0</sub> 4 <sub>0</sub> .10	0	0	c
UC23	South Fork Jump River	SE¼NE¼ sec. 1, T. 35 N., R. 1 E., Price County, 0.2 mi west of State Highway 13, at Prentice, Wis.	59.7	June 14, 1972 June 19, 1973 Oct. 17, 1973 July 23, 1974 Sept. 3, 1974 July 28, 1975 Aug. 23, 1976	12.8 31.6 25.3 .59 2.75 5.14 .60	1.3	.58	c
UC24	Holmes Creek	NW¼SW¼ sec. 12, T. 34 N., R. 1 E., Price County, at bridge on State Highway 86, 0.6 mi west of Ogema, Wis.	10.2	June 14, 1972 June 19, 1973 Oct. 16, 1973 July 23, 1974 Sept. 4, 1974 July 28, 1975 Aug. 23, 1976	.44 4.63 2.35 .27 .13 .27 .05	.09	.03	c
UC26	Silver Creek	SW¼SE¼ sec. 12, T. 33 N., R. 1 E., Taylor County, just downstream from State Highway 13, at Westboro, Wis.	35.8	Aug. 23, 1967 June 14, 1972 June 19, 1973 Oct. 16, 1973 July 23, 1974 Sept. 4, 1974 July 28, 1975 Aug. 23, 1976	1.17 3.14 35.6 13.2 2.55 2.35 .95 .88	1.3	.58	c
UC28	South Fork Main Creek	SW¼SE¼ sec. 14, T. 35 N., R. 3 W., Rusk County, at sewage-treatment plant, at Hawkins, Wis.	17.5	June 14, 1972 June 19, 1973 Aug. 8, 1973 July 22, 1974 Sept. 3, 1974 July 28, 1975 Aug. 23, 1976	29.0 4.80 2.11 1.14 .70 .50 .16	.33	.11	c

<sup>1</sup>Based on 1970 report by Wisconsin Department of Natural Resources.<sup>2</sup>Streambed is dry.<sup>3</sup>Additional discharge measurements are available.<sup>4</sup>Negligible discharge—water ponded, unable to measure velocity.

Table 6. Des Plaines-Pike River basin station locations and low-flow characteristics.



Station number	Stream name	Station location	Drainage area (mi <sup>2</sup> )	Date	Discharge (ft <sup>3</sup> /s)	Q <sub>7,2</sub> (ft <sup>3</sup> /s)	Q <sub>7,10</sub> (ft <sup>3</sup> /s)	Accuracy level
DS2	Des Plaines River	SE¼SE¼ sec. 32, T. 3 N., R. 21 E., Racine County, at County Trunk KR, 1.3 mi southeast of Union Grove, Wis.	2.03	Sept. 18, 1974 Sept. 18, 1975 Oct. 20, 1977	20 20 0	0	0	c
DS4	Des Plaines River	SW¼SE¼ sec. 4, T. 1 N., R. 21 E., Kenosha County, at bridge on State Highway 50, 1.6 mi north-east of Bristol, Wis.	51.3	July 18, 1973 Aug. 8, 1973 Sept. 18, 1974 Sept. 19, 1975 Sept. 2, 1976	3.78 .97 .42 1.05 .34	.16	<.01	c
	Des Plaines River tributary	NE¼SW¼ sec. 8, T. 1 N., R. 21 E., Kenosha County, at sewage-treatment plant, at Bristol, Wis.	.27					
DS5	Des Plaines River	SW¼SW¼ sec. 7, T. 1 N., R. 22 E., Kenosha County, at bridge on U.S. Highway 41 and Interstate Highway 94, 1.0 mi west of Pleasant Prairie, Wis.	71.5	July 17, 1973 Aug. 8, 1973 Sept. 19, 1974 Sept. 19, 1975 Oct. 20, 1977	4.58 .85 .99 2.12 4.01	.22	<.01	c
DS6	Des Plaines River	SE¼NW¼ sec. 18, T. 1 N., R. 22 E., Kenosha County, at bridge on County Trunk C, 0.6 mi southwest of Pleasant Prairie, Wis.	95.6	July 17, 1973 Aug. 8, 1973 Sept. 19, 1974 Sept. 19, 1975 Oct. 20, 1977	5.25 .81 1.07 1.99 6.16	.23	<.01	c
	Des Plaines River tributary	NW¼NW¼ sec. 17, T. 1 N., R. 22 E., Kenosha County, at sewage-treatment plant, 0.1 mi southwest of County Trunk C, at Pleasant Prairie, Wis.	.76					
DS7	Brighton Creek	NW¼NW¼ sec. 6, T. 1 N., R. 21 E., Kenosha County, at bridge on County Trunk K, 1.8 mi east of Paddock Lake, Wis.	16.6	July 18, 1973 Aug. 9, 1973 Sept. 18, 1974 Sept. 17, 1975	1.84 4.16 4.0 4.0	0	0	c
	Brighton Creek tributary	NE¼NE¼ sec. 2, T. 1 N., R. 20 E., Kenosha County, at sewage-disposal plant at northeast edge of Paddock Lake, Wis.	.99					

Table 6. Des Plaines-Pike River basin station locations and low-flow characteristics—Continued.

Station number <sup>1</sup>	Stream name	Station location	Drainage area (mi <sup>2</sup> )	Date	Discharge (ft <sup>3</sup> /s)	Q <sub>7,2</sub> (ft <sup>3</sup> /s)	Q <sub>7,10</sub> (ft <sup>3</sup> /s)	Accuracy level
DS8	Salem Branch	SE¼NE¼ sec. 11, T. 1 N., R. 20 E., Kenosha County, just downstream from confluence of tributaries from Paddock Lake and Hooker Lake, 1.2 mi northeast of Salem, Wis.	3.77	Sept. 19, 1974 Sept. 17, 1975 Sept. 6, 1978	<sup>4</sup> <sub>0</sub> <sup>4</sup> <sub>0</sub> .94	0	0	c
DS9	Pleasant Homes Drainage Course tributary	SW¼SW¼ sec. 36, T. 1 N., R. 22 E., Kenosha County, near Wis.-Ill. border off County Trunk EZ, 2.5 mi southwest of Carol Beach, Wis.	.46					
	Pleasant Homes Drainage Course	SW¼SE¼ sec. 36, T. 1 N., R. 22 E., Kenosha County, at culvert on State Line Road at Wis.-Ill. border, 2.5 mi southwest of Carol Beach, Wis.	.89	Sept. 2, 1972 July 18, 1973 Aug. 8, 1973 Sept. 19, 1974 Sept. 19, 1975	.38 .03 <.05 est. .01 est. .02 est.	<.01	<.01	c
DS10	Pike River	SW¼NW¼ sec. 14, T. 3 N., R. 22 E., Racine County, at culvert on State Highway 20, 1.5 mi west of Racine, Wis.	4.45	Sept. 2, 1972 July 17, 1973 Aug. 8, 1973 Oct. 26, 1973 Sept. 19, 1974 Sept. 19, 1975	2.18 .15 .08 .15 .03 .09	.01	<.01	c
DS11	Pike River tributary	SW¼NE¼ sec. 21, T. 3 N., R. 22 E., Racine County, at culvert on Fancher Road, 0.3 mi north of Sturtevant, Wis.	.66	Sept. 2, 1972 July 17, 1973 Aug. 8, 1973 Oct. 26, 1973 Sept. 19, 1974 Sept. 18, 1975	<sup>2</sup> <sub>34</sub> <sup>2</sup> <sub>0</sub> <sup>2</sup> <sub>0</sub> <sup>2</sup> <sub>0</sub> <sup>2</sup> <sub>0</sub> <sup>2</sup> <sub>0</sub>	0	0	c
DS12, 13	Pike River tributary	NE¼SW¼ sec. 22, T. 3 N., R. 22 E., Racine County, at local road 0.2 mi east of 90th Street, on the Milwaukee Railroad tracks, at Sturtevant, Wis.	1.67	Sept. 2, 1972 July 17, 1973 Aug. 8, 1973 Oct. 25, 1973 Sept. 19, 1974 Sept. 19, 1975	<sup>2</sup> <sub>68</sub> <sup>2</sup> <sub>0</sub> .05 est. <sup>2</sup> <sub>01</sub> <sup>2</sup> <sub>0</sub> .01	0	0	c
DS15	Pike River tributary	SW¼SE¼ sec. 9, T. 2 N., R. 22 E., Kenosha County, at culvert on Chicago and Milwaukee Railroad at north edge of Somers, Wis.	.82	Sept. 2, 1972 July 17, 1973 Aug. 8, 1973 Oct. 26, 1973 Sept. 19, 1974 Sept. 19, 1975	<sup>4</sup> <sub>0</sub> <sup>4</sup> <sub>0</sub> .01 est. .01 est. <sup>4</sup> <sub>0</sub> <sup>4</sup> <sub>0</sub>	0	0	c
DS16	Pike Creek	NE¼SE¼ sec. 25, T. 2 N., R. 22 E., Kenosha County, just upstream from golf course tributary, 1.4 mi northwest of post office in Kenosha, Wis.	2.42	Sept. 19, 1974 Sept. 19, 1975 Oct. 20, 1977 Sept. 6, 1978	.05 .14 .15 .27	.02	<.01	c
DS20	Carol Beach tributary	SW¼NE¼ sec. 30, T. 1 N., R. 23 E., Kenosha County, at culvert on Sheridan Road near Sheridan Road School, at Carol Beach, Wis.	1.97	Sept. 2, 1972 July 18, 1973 Aug. 8, 1973 Sept. 19, 1974 Sept. 19, 1975	1.20 .10 .02 .03 .01	<.01	<.01	c
DS1A	Tributary to Des Plaines River tributary	NE¼NW¼ sec. 17, T. 1 N., R. 22 E., Kenosha County, at Bain Station Road, at Pleasant Prairie, Wis.	.18	Sept. 19, 1974 Sept. 19, 1975 Oct. 20, 1977	<sup>2</sup> <sub>0</sub> <sup>2</sup> <sub>0</sub> <sup>2</sup> <sub>0</sub>	0	0	c

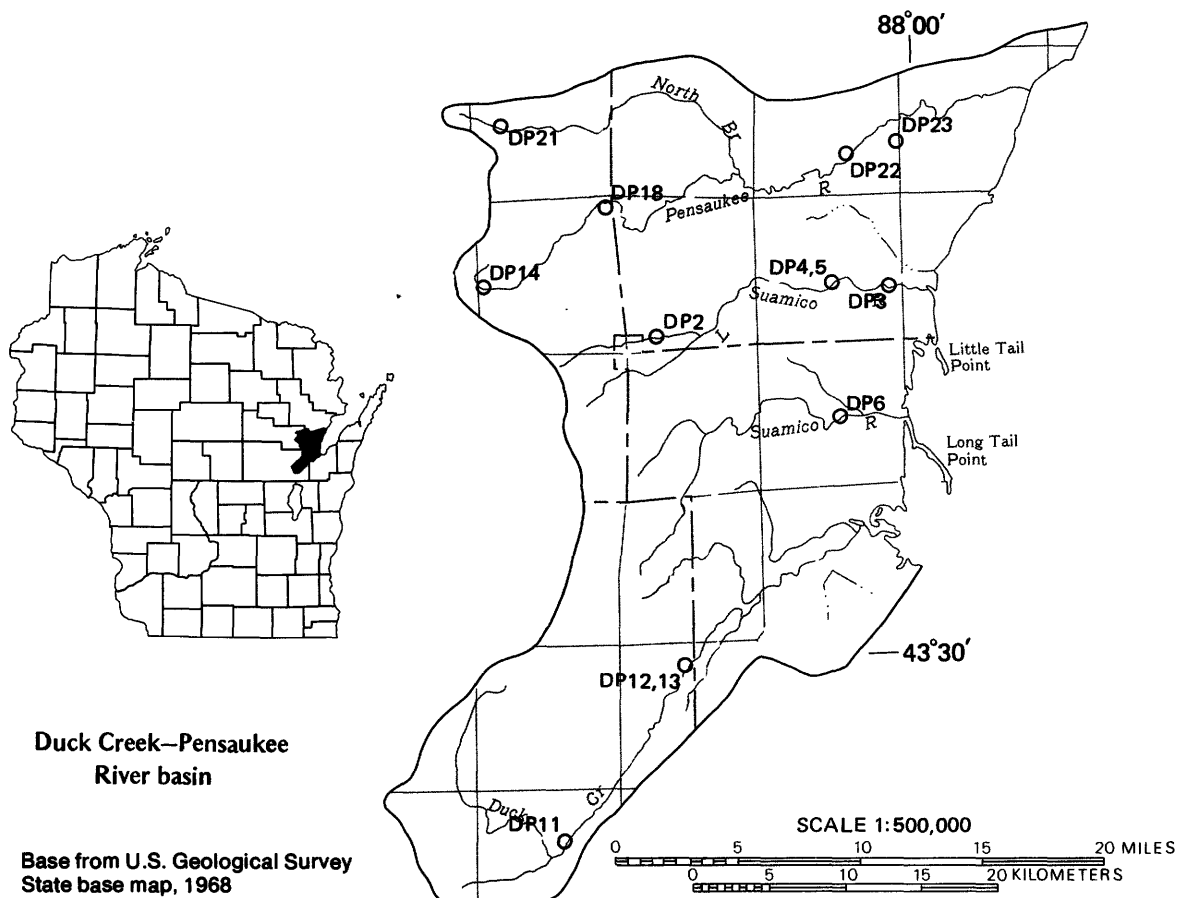
<sup>1</sup> Based on 1967 report by Wisconsin Department of Natural Resources (DNR). Site lettered "A" was not included in 1967 DNR report.

<sup>2</sup> Streambed is dry.

<sup>4</sup> Negligible discharge—water ponded, unable to measure velocity.



Table 7. Duck Creek-Pensaukee River basin station location and low-flow characteristics.



Station number	Stream name	Station location	Drainage area (mi <sup>2</sup> )	Date	Discharge (ft <sup>3</sup> /s)	Q <sub>7,2</sub> (ft <sup>3</sup> /s)	Q <sub>7,10</sub> (ft <sup>3</sup> /s)	Accuracy level
DP2	Little Suamico River	NE¼SW¼ sec. 32, T. 26 N., R. 19 E., Oconto County, at sewage-treatment plant, 1.0 mi northeast of Pulaski, Wis.	2.06					
	Little Suamico River	NW¼NE¼ sec. 33, T. 26 N., R. 19 E., Oconto River, at culvert on Jaworski Road, 2.2 mi northeast of Pulaski, Wis.	9.29	July 27, 1972 Oct. 17, 1972 Aug. 2, 1973 Oct. 24, 1975 July 14, 1976 Oct. 14, 1976	0.72 .47 .34 .52 .25 .22	0.19	0.10	c
DP3	Little Suamico River	SE¼SE¼ sec. 24, T. 26 N., R. 20 E., Oconto River, at bridge on County Trunk J, 0.3 mi south of Little Suamico, Wis.	54.8	Aug. 13, 1969 Aug. 28, 1969 Oct. 17, 1972 July 8, 1976 July 14, 1976 Oct. 14, 1976	1.46 .66 9.73 .64 .29 1.87	<u>1</u>	<u>1</u>	
DP4, 5	Little Suamico River	SE¼SE¼ sec. 21, T. 26 N., R. 20 E., Oconto River, at bridge on Cross Road, 0.7 mi south of Sobieski, Wis.	41.1	Aug. 13, 1969 Aug. 28, 1969 July 27, 1972 Oct. 17, 1972 Aug. 3, 1973 Oct. 24, 1975 July 14, 1976 Oct. 14, 1976	2.14 1.35 3.36 5.39 3.02 6.42 .55 1.86	1.0	.54	c

Table 7. Duck Creek-Pensaukee River basin station location and low-flow characteristics—Continued.

Station number	Stream name	Station location	Drainage area (mi <sup>2</sup> )	Date	Discharge (ft <sup>3</sup> /s)	Q <sub>7,2</sub> (ft <sup>3</sup> /s)	Q <sub>7,10</sub> (ft <sup>3</sup> /s)	Accuracy level
DP6	Suamico River	NE¼SW¼ sec. 21, T. 25 N., R. 20 E., Brown County, at bridge on country road, 1.5 mi southwest of Suamico, Wis.	56.7					
	Suamico River	NW¼ sec. 22, T. 25 N., R. 20 E., Brown County, at bridge on Country Trunk B, 0.5 mi west of Suamico, 7.5 mi north of Green Bay, 3.0 mi upstream from mouth.	57.0	July 27, 1972 Oct. 17, 1972 Aug. 3, 1973 June 27, 1974 Oct. 24, 1975	<sup>3</sup> 3.70 8.45 4.96 8.00 5.94	1.6	0.88	b
DP11	Duck Creek tributary	NW¼NE¼ sec. 21, T. 22 N., R. 18 E., Outagamie County, at sewage-treatment plant facility for grade school of Freedom School District No. 3, 2.0 mi southwest of Freedom, Wis.	8.72					
	Duck Creek	SE¼SE¼ sec. 16, T. 22 N., R. 18 E., Outagamie County, at bridge on Vine Road, 1.4 mi southwest of Freedom, Wis.	45.3	Oct. 17, 1972 Oct. 24, 1975 July 14, 1976	4.53 ≤.05 est. 20	0	0	c
DP12, 13	Duck Creek	NW¼SE¼ sec. 17, T. 23 N., R. 19 E., Outagamie County, at town road, 2.9 mi southwest of Oneida, Wis.	92.2	July 26, 1972 Aug. 2, 1973 Oct. 24, 1975 Oct. 30, 1975 Oct. 14, 1976 July 27, 1977	<sup>3</sup> 3.38 1.24 .85 .92 2.19 20	.04	<.01	b
	Duck Creek	SW¼NW¼ sec. 3, T. 23 N., R. 19 E., Brown County, at sewage-treatment facility, 0.3 mi upstream from State Highway 54 bridge, at Oneida, Wis.	94.1					
DP14	Pensaukee River	SW¼SW¼ sec. 7, T. 26 N., R. 18 E., Shawano County, at bridge on town road, at Zachow, Wis.	3.73					
	Pensaukee River	SE¼NE¼ sec. 24, T. 26 N., R. 17 E., Shawano County, at bridge on County Trunk F, 1.3 mi south of Zachow, Wis.	8.05	July 27, 1972 Oct. 18, 1972 Aug. 2, 1973 Oct. 23, 1975 July 14, 1976 Oct. 14, 1976	.67 .65 1.32 1.38 .73 .51	.11	.03	c
DP18	Pensaukee River	NE¼NE¼ sec. 1, T. 26 N., R. 18 E., Shawano County, at State Highway 32, at Krakow, 6.3 mi north of Pulaski, Wis.	41.8	July 27, 1972 Oct. 18, 1972 Aug. 2, 1973 Oct. 23, 1975 July 14, 1976 Oct. 14, 1976 July 27, 1977	<sup>3</sup> 0.81 3.54 1.88 3.56 .30 .51 .13	.19	.05	b
DP21	North Branch Pensaukee River	SE¼SE¼ sec. 18, T. 27 N., R. 18 E., Shawano County, at bridge on country road, 1.8 mi northwest of Advance, Wis.	5.17	Oct. 23, 1975 July 14, 1976 Oct. 14, 1976	<sup>4</sup> 20 20 20	0	0	c
DP22	Pensaukee River	NW¼NW¼ sec. 26, T. 27 N., R. 20 E., Oconto County, at bridge on U.S. Highway 141, 1.1 mi northeast of Abrams, Wis.	115	July 27, 1972 Oct. 18, 1972 Aug. 2, 1973 Oct. 23, 1975 July 14, 1976 Oct. 14, 1976	7.18 20.0 8.99 14.7 4.06 4.56	2.8	1.0	c

Table 7. Duck Creek-Pensaukee River basin station location and low-flow characteristics—Continued.

Station <sup>1</sup> number	Stream name	Station location	Drainage area (mi <sup>2</sup> )	Date	Discharge (ft <sup>3</sup> /s)	Q <sub>7,2</sub> (ft <sup>3</sup> /s)	Q <sub>7,10</sub> (ft <sup>3</sup> /s)	Accuracy level
DP23	Brookside Creek	NE¼NW¼ sec. 25, T. 27 N., R. 20 E., Oconto County, at culvert on country road, 1.6 mi southwest of Brookside, Wis.	1.80	Oct. 23, 1975 July 14, 1976 Oct. 14, 1976 July 27, 1977	4.31 4.0 <.10 est. .04 est.	0.05	<0.01	c

<sup>1</sup> Based on 1971 report by Wisconsin Department of Natural Resources.

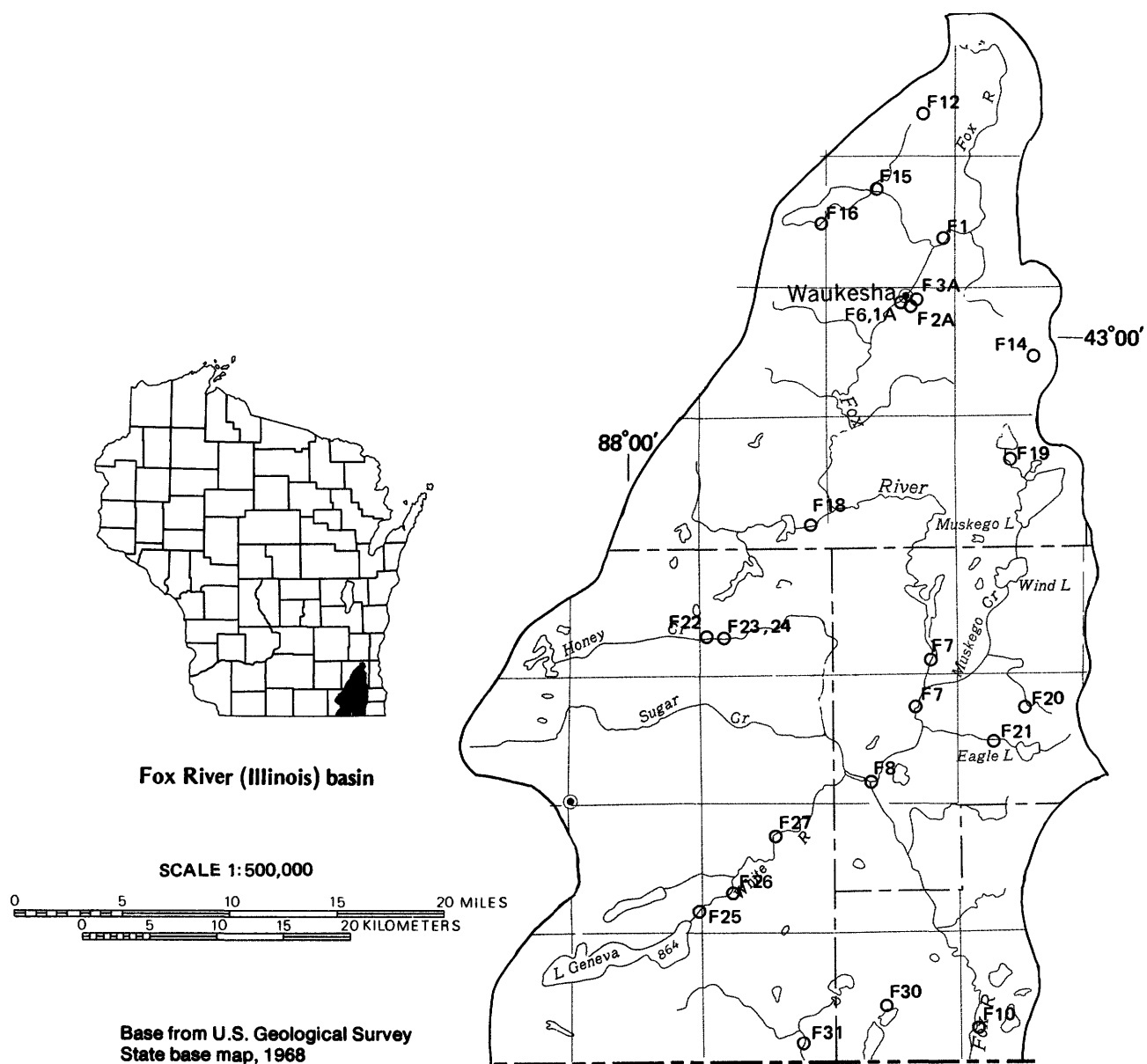
<sup>2</sup> Streambed is dry.

<sup>3</sup> Additional discharge measurements are available.

<sup>4</sup> Negligible discharge--water ponded, unable to measure velocity.

<sup>7</sup> Unable to define relationship.

Table 8. Fox River (Illinois) basin station locations and low-flow characteristics.



Station number	Stream name	Station location	Drainage area (mi <sup>2</sup> )	Date	Discharge (ft <sup>3</sup> /s)	Q <sub>7,2</sub> (ft <sup>3</sup> /s)	Q <sub>7,10</sub> (ft <sup>3</sup> /s)	Accuracy level
F1	Fox River	SW¼NE¼ sec. 19, T. 7 N., R. 20 E., Waukesha County, at sewage-disposal ponds, just downstream from Poplar River, 2.3 mi west of city hall in Brookfield, Wis.	74.1					
	Fox River	NE¼ sec. 24, T. 7 N., R. 19 E., Waukesha County, at bridge on County Trunk SS, 3.5 mi northeast of Waukesha, Wis.	77.4			4.0	2.0	b

Table 8. Fox River (Illinois) basin station locations and low-flow characteristics—Continued.

Station number	Stream name	Station location	Drainage area (mi <sup>2</sup> )	Date	Discharge (ft <sup>3</sup> /s)	Q <sub>7,2</sub> (ft <sup>3</sup> /s)	Q <sub>7,10</sub> (ft <sup>3</sup> /s)	Accuracy level
F6,1A	Fox River	SW¼ sec. 3, T. 6 N., R. 19 E., Waukesha County, on left bank, 20 ft downstream from Prairie Street bridge in Waukesha, 1.0 mi downstream from dam, 3.2 mi downstream from Pewaukee River.	126			12	4.4	a
	Fox River	SW¼NE¼ sec. 9, T. 6 N., R. 19 E., Waukesha County, at sewage-treatment plant, 1.6 mi southwest of post office in Waukesha, Wis.	129					
F7	Fox River	NE¼SE¼ sec. 35, T. 4 N., R. 19 E., Racine County, at bridge on State Highways 20 and 36, in Waterford, Wis.	357	Sept. 13, 1966 Nov. 29, 1972 Aug. 7, 1973 May 21, 1975 July 10, 1975 Sept. 16, 1975	48.7 328 147 364 213 132	32	16	c
	Fox River	SW¼NW¼ sec. 11, T. 3 N., R. 19 E., Racine County, 0.4 mi south of State Highway 189 bridge, in Rochester, Wis.	447	Sept. 17, 1975 Oct. 19, 1977 Aug. 16, 1978	142 23.6 121	<u>7</u>	<u>7</u>	
F8	Fox River	NW¼NW¼ sec. 4, T. 2 N., R. 19 E., Racine County, at sewage-treatment plant, at Burlington, Wis.	770	Sept. 18, 1974 Sept. 16, 1975 Oct. 19, 1977	226 233 125	70	42	c
F10	Fox River	NE¼NE¼ sec. 19, T. 1 N., R. 20 E., Kenosha County, just downstream from Silver Lake tributary, 0.7 mi south of Silver Lake, Wis.	865					
	Fox River	SW¼ sec. 30, T. 1 N., R. 20 E., Kenosha County, on right bank 100 ft downstream from bridge on County Trunk C, 300 ft upstream from Wilmot Dam, 1.0 mi north of Wisconsin-Illinois State line, 6.0 mi upstream from Fox chain of lakes.	868			100	60	a
F12	Fox River tributary	NE¼NE¼ sec. 26, T. 8 N., R. 19 E., Waukesha County, at bridge on County Trunk VV, at Sussex, Wis.	7.68	June 8, 1972 July 17, 1973 Aug. 8, 1973 Sept. 16, 1974 Sept. 15, 1975 Oct. 18, 1977	.72 .62 .24 .51 1.80 1.21	.11	.03	c
	Fox River tributary	NE¼SW¼ sec. 26, T. 8 N., R. 19 E., Waukesha County, at sewage-treatment plant, at Sussex, Wis.	7.81					
F14	Poplar Creek tributary	NW¼NE¼ sec. 23, T. 6 N., R. 20 E., Waukesha County, 0.8 mi upstream from County Trunk ES, just downstream from storm sewer outlet at end of Hargrove Street, in New Berlin, Wis.	.93	Sept. 15, 1975 Oct. 18, 1977 Aug. 15, 1978	.02 .36 .06	<.01	<.01	c
F15	Pewaukee River	SW¼SE¼ sec. 9, T. 7 N., R. 19 E., Waukesha County, at sewage-treatment plant, at Pewaukee, Wis.	33.0	June 8, 1972 July 17, 1973 Aug. 8, 1973 Sept. 16, 1974 Sept. 15, 1975	15.0 6.97 3.09 3.00 7.65	.87	.18	c
F16	Zion Creek	SE¼NW¼ sec. 24, T. 7 N., R. 18 E., Waukesha County, at culvert on Oakton Road, 3.1 mi southwest of Pewaukee, Wis.	3.40	Sept. 16, 1974 Sept. 15, 1975 Oct. 18, 1977 Aug. 15, 1978	1.26 .82 .91 .64	.20	.06	c

Table 8. Fox River (Illinois) basin station locations and low-flow characteristics—Continued.

Station number	Stream name	Station location	Drainage area (mi <sup>2</sup> )	Date	Discharge (ft <sup>3</sup> /s)	Q <sub>7,2</sub> (ft <sup>3</sup> /s)	Q <sub>7,10</sub> (ft <sup>3</sup> /s)	Accuracy level
F18	Mukwonago River	NE¼NE¼ sec. 35, T. 5 N., R. 18 E., Waukesha County, on U.S. Highway 83, 0.6 mi south of Mukwonago, Wis.	74.0	June 28, 1972 July 19, 1973 Aug. 7, 1973	<sup>3</sup> 32.2 25.6 97.7	<u>6</u>	<u>6</u>	
	Mukwonago River	SW¼SW¼ sec. 25, T. 5 N., R. 18 E., Waukesha County, at sewage-treatment plant, at Mukwonago, Wis.	74.3					
F19	Muskego Creek	SE¼SW¼ sec. 9, T. 5 N., R. 20 E., Waukesha County, at bridge on town road, at Muskego, Wis.	11.9	June 8, 1972 July 19, 1973 Aug. 7, 1973 Sept. 17, 1974 Sept. 15, 1975 Oct. 18, 1977 Aug. 15, 1978	3.02 1.63 1.55 11.3 .57 3.39 1.43	<u>6</u>	<u>6</u>	
F20	Tributary to Goose Lake Branch Canal tributary	NE¼NW¼ sec. 9, T. 3 N., R. 20 E., Racine County, at culvert on State Highway 20, 4.1 mi east of Rochester, Wis.	2.69	Sept. 17, 1974 Sept. 17, 1975 Oct. 19, 1977	.04 ≤.01 0	0	0	c
F21	Eagle Creek	NW¼NW¼ sec. 21, T. 3 N., R. 20 E., Racine County, at culvert on County Trunk N, 4.3 mi southeast of Rochester, Wis.	8.58	Sept. 17, 1974 Sept. 17, 1975 Oct. 19, 1977	<.01 .01 .01	<.01	<.01	c
F22	Honey Creek	SE¼NE¼ sec. 25, T. 4 N., R. 17 E., Walworth County, at culvert on town road, 1.1 mi west of East Troy, Wis.	40.9	Nov. 3, 1965 Sept. 17, 1974 Sept. 17, 1975 Oct. 19, 1977	21.7 24.5 19.7 14.3	6.6	4.6	c
F23, 24	Honey Creek	SW¼NW¼ sec. 29, T. 4 N., R. 18 E., Walworth County, at bridge on County Trunk G, at East Troy, Wis.	44.2	June 8, 1972 July 19, 1973 Aug. 7, 1973 Sept. 17, 1974 Sept. 16, 1975 Oct. 18, 1977	9.59 20.1 27.2 16.2 16.4 13.3	<u>7</u>	<u>7</u>	
	Honey Creek	NW¼NE¼ sec. 29, T. 4 N., R. 18 E., Walworth County, at sewage-treatment plant, at East Troy, Wis.	45.2					
F25	White River	SE¼SE¼ sec. 25, T. 2 N., R. 17 E., Walworth County, at sewage-treatment plant, at Lake Geneva, Wis.	29.5	Sept. 12, 1966 Aug. 15, 1967 June 7, 1972 June 26, 1972 Nov. 28, 1972 July 19, 1973 Aug. 9, 1973 Sept. 18, 1974 Sept. 17, 1975 Oct. 19, 1977	1.69 12.4 16.0 29.3 15.4 8.53 28.2 3.36 6.19 2.05	1.7	.89	c
F26	White River	NE¼NW¼ sec. 29, T. 2 N., R. 18 E., Walworth County, at bridge on private road, 2.3 mi northeast of post office in Lake Geneva, Wis.	38.9	Sept. 18, 1974 Sept. 17, 1975 Oct. 19, 1977	8.78 11.0 5.71	2.6	1.3	c
F27	White River	SW¼NE¼ sec. 10, T. 2 N., R. 18 E., Walworth County, just downstream from tail race of mill pond dam, at Lyons, Wis.	81.4	June 7, 1972 June 26, 1972 July 19, 1973 Aug. 9, 1973 Sept. 18, 1974 Sept. 17, 1975	36.0 44.4 24.5 40.7 16.1 16.5	7.0	3.7	c

Table 8. Fox River (Illinois) basin station locations and low-flow characteristics—Continued.

Station <sup>1</sup> number	Stream name	Station location	Drainage area (mi <sup>2</sup> )	Date	Discharge (ft <sup>3</sup> /s)	Q <sub>7,2</sub> (ft <sup>3</sup> /s)	Q <sub>7,10</sub> (ft <sup>3</sup> /s)	Accuracy level
F30	Bassett Creek tributary	NE¼NW¼ sec. 22, T. 1 N., R. 19 E., Kenosha County, at sewage-treatment plant, at Twin Lakes, Wis.	.51					
	Bassett Creek	SE¼SE¼ sec. 15, T. 1 N., R. 19 E., Kenosha County, at bridge on County Trunk F, 1.3 mi northeast of Twin Lakes, Wis.	5.09	June 7, 1972 July 18, 1973 Aug. 9, 1973 Sept. 18, 1974 Sept. 17, 1975	0.68 1.14 1.22 1.20 1.44	0.20	0.10	c
F31	North Branch Nippersink Creek	SW¼SE¼ sec. 35, T. 1 N., R. 18 E., Walworth County, at bridge on County Trunk B, at Genoa City, Wis.	43.0	June 7, 1972 June 26, 1972 July 18, 1973 Aug. 9, 1973 Sept. 18, 1974 Sept. 17, 1975	22.1 40.3 31.5 28.9 23.0 17.6	6.0	3.7	c
F2A	Fox River tributary	NE¼NE¼ sec. 2, T. 6 N., R. 19 E., Waukesha County, at culvert on State Highway 59, 1.2 mi east of post office in Waukesha, Wis.	0.74	Sept. 17, 1974 Sept. 15, 1975 Oct. 18, 1977 Aug. 15, 1978	.51 .55 .73 .49	.22	.10	c
F3A	Fox River tributary	SW¼SE¼ sec. 35, T. 7 N., R. 19 E., Waukesha County, at culvert on town road, approximately 1.0 mi northeast of post office in Waukesha, Wis.	1.74	Sept. 17, 1974 Sept. 15, 1975 Oct. 18, 1977 Aug. 15, 1978	.85 .76 1.04 .69	.31	.15	c

<sup>1</sup>Based on 1972 report by Wisconsin Department of Natural Resources (DNR). Site lettered "A" was not included in 1972 DNR report.

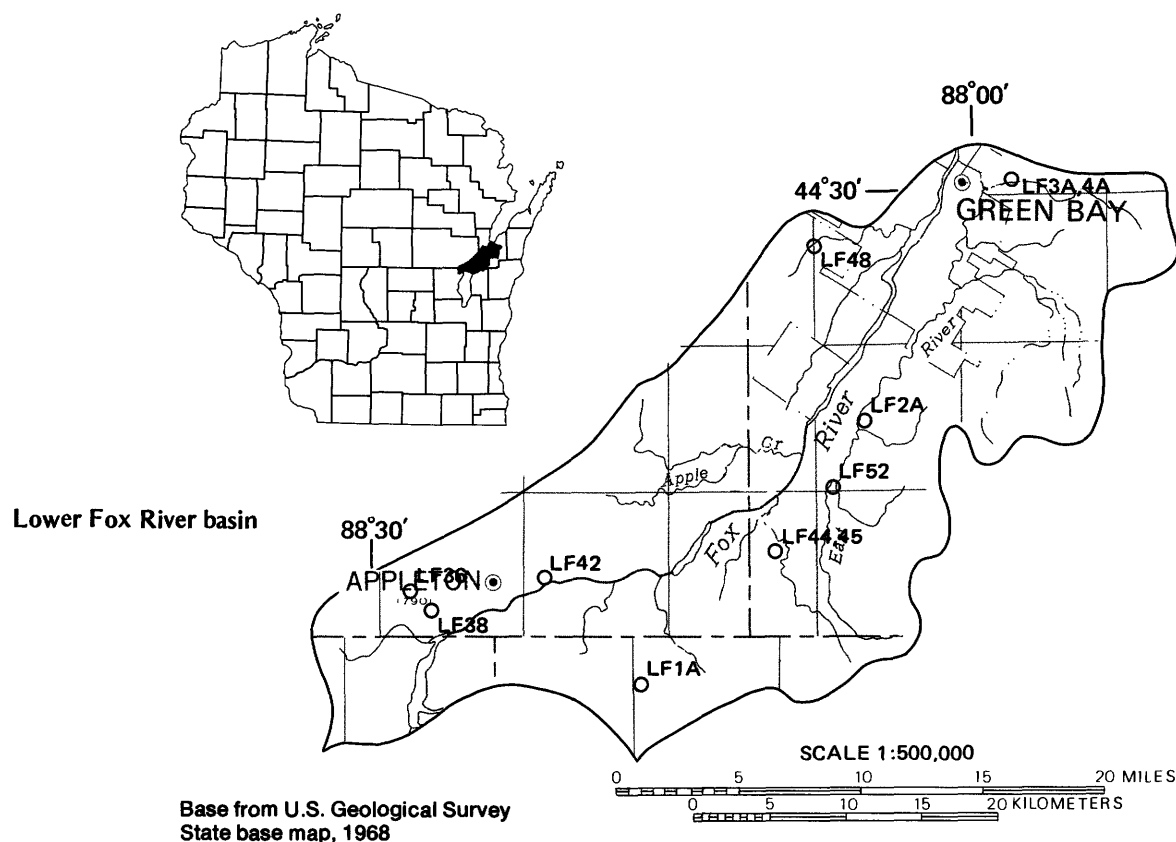
<sup>3</sup>Additional discharge measurements are available.

<sup>4</sup>Negligible discharge—water ponded, unable to measure velocity.

<sup>6</sup>No estimate possible due to regulation upstream.

<sup>7</sup>Unable to define relationship.

Table 9. Lower Fox River basin station locations and low-flow characteristics.



Station number	Stream name	Station location	Drainage area (mi <sup>2</sup> )	Date	Discharge (ft <sup>3</sup> /s)	Q <sub>7,2</sub> (ft <sup>3</sup> /s)	Q <sub>7,10</sub> (ft <sup>3</sup> /s)	Accuracy level
LF36	Mud Creek tributary	SE¼SW¼ sec. 20, T. 21 N., R. 17 E., Outagamie County, at bridge on U.S. Highway 10, 3.1 mi west of city hall in Appleton, Wis.	0.56					
	Mud Creek	SW¼SE¼ sec. 29, T. 21 N., R. 17 E., Outagamie County, 0.1 mi upstream from bridge on County Trunk V, 2.8 mi west of city hall in Appleton, Wis.	9.90	July 25, 1972 Oct. 11, 1972 Aug. 2, 1973 Oct. 30, 1975 July 14, 1976	0.08 .94 .06 2.06 2.0	0	0	c
LF38	Mud Creek	SE¼NW¼ sec. 3, T. 20 N., R. 17 E., Winnebago County, 0.1 mi downstream from Chicago and Northwestern Railroad bridge, 2.6 mi southwest of Appleton, Wis.	25.4	July 25, 1972 Oct. 11, 1972 Aug. 2, 1973 Oct. 30, 1975 July 14, 1976	.16 1.10 .16 .12 .11	.02	<.01	c
LF42	Fox River tributary	NE¼NE¼ sec. 19, T. 21 N., R. 18 E., Outagamie County, at bridge on U.S. Highway 41, 3.2 mi northeast of post office, in Appleton, Wis.	4.81	Oct. 30, 1975 July 14, 1976 July 27, 1977	2.20 2.20 2.0	0	0	c
LF44, 45	Plum Creek tributary	SE¼NW¼ sec. 35, T. 21 N., R. 19 E., Brown County, at sewage-treatment plant, at Holland, Wis.	4.66	July 25, 1972	2.0	0	0	c
	Plum Creek	NE¼NW¼ sec. 23, T. 21 N., R. 19 E., Brown County, at bridge on country road, 2.4 mi north of Holland, Wis.	19.2	July 25, 1972 Oct. 12, 1972 Oct. 31, 1975 July 14, 1976	.38 .37 .35 .03	.04	.01	c



Table 9. Lower Fox River basin station locations and low-flow characteristics—Continued.

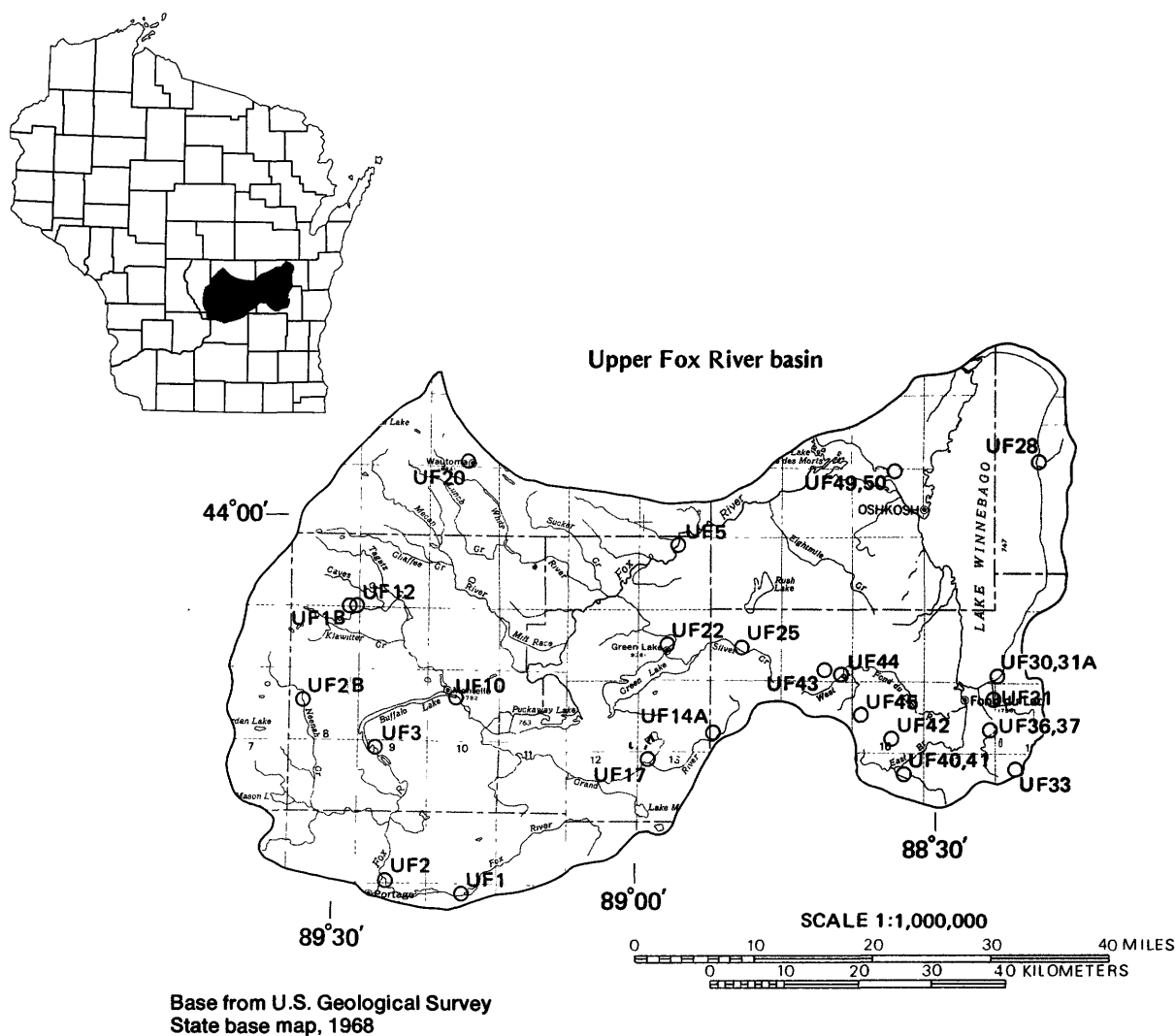
Station number <sup>1</sup>	Stream name	Station location	Drainage area (mi <sup>2</sup> )	Date	Discharge (ft <sup>3</sup> /s)	Q <sub>7,2</sub> (ft <sup>3</sup> /s)	Q <sub>7,10</sub> (ft <sup>3</sup> /s)	Accuracy level
LF48	Tributary to Dutchman Creek tributary	NE¼NW¼ sec. 7, T. 23 N., R. 20 E., Brown County, at sewage-treatment plant outfall at Austin-Straubel Airport, 0.2 mi upstream from mouth, 4.1 mi northwest of post office at DePere, Wis.	0.90					
	Dutchman Creek tributary	SW¼NW¼ sec. 7, T. 23 N., R. 20 E., Brown County, at culvert on County Trunk GH, 3.9 mi northwest of post office at DePere, Wis.	3.40	July 26, 1972 Oct. 12, 1972 Aug. 2, 1973 Oct. 30, 1975 July 14, 1976	.10 .98 .06 .15 .08	.02	.01	c
LF52	East River tributary	SW¼SW¼ sec. 5, T. 21 N., R. 20 E., Brown County, at sewage-treatment plant, 0.6 mi west of Greenleaf, Wis.	7.81	Aug. 1, 1973	<sup>2</sup> 0	0	0	c
	East River	NE¼SE¼ sec. 31, T. 22 N., R. 20 E., Brown County, at bridge on country road, 1.7 mi northwest of Greenleaf, Wis.	37.5	Aug. 13, 1969 Aug. 28, 1969 Aug. 25, 1970 July 25, 1972 Oct. 12, 1972 Oct. 31, 1975 July 14, 1976	1.25 <sup>2</sup> .37 <sup>2</sup> 0 .32 2.49 1.42 .02	.04	<.01	c
LF1A	Kankapot Creek tributary	SE¼NW¼ sec. 7, T. 20 N., R. 19 E., Calumet County, at culvert on country road, 3.4 mi north of Sherwood, Wis.	1.26	Oct. 31, 1975 July 14, 1976 Sept. 16, 1976	<sup>2</sup> 0 <sup>2</sup> 0 <sup>2</sup> 0	0	0	c
LF2A	East River	NE¼NE¼ sec. 20, T. 22 N., R. 20 E., Brown County, at bridge on County Trunk ZZ, 4.0 mi north of Greenleaf, Wis.	49.8	Aug. 13, 1969 Aug. 28, 1969 Aug. 25, 1970 Oct. 30, 1975 July 14, 1976 July 27, 1977	1.74 4.27 0 1.38 <sup>2</sup> 0 <sup>2</sup> 0	0	0	c
LF3A, 4A	Baird Creek	NE¼SW¼ sec. 32, T. 24 N., R. 21 E., Brown County, at railroad siding bridge, 1.6 miles east of court house in Green Bay, Wis.	27.3	Oct. 30, 1975 July 13, 1976 Sept. 16, 1976 July 26, 1977	1.16 1.78 2.01 .36	.54	.16	c

<sup>1</sup>Based on 1968 report by Wisconsin Department of Natural Resources (DNR). Site lettered "A" was not included in 1968 DNR report.

<sup>2</sup>Streambed is dry.

<sup>4</sup>Negligible discharge--water ponded, unable to measure velocity.

Table 10. Upper Fox River basin station locations and low-flow-characteristics.



Station number	Stream name	Station location	Drainage area (mi <sup>2</sup> )	Date	Discharge (ft <sup>3</sup> /s)	Q <sub>7,2</sub> (ft <sup>3</sup> /s)	Q <sub>7,10</sub> (ft <sup>3</sup> /s)	Accuracy level
UF1	Fox River	SW¼NE¼ sec. 4, T. 12 N., R. 10 E., Columbia County, at outlet of Spring Lake, in Pardeeville, Wis.	54.0	Nov. 28, 1972 July 19, 1973 Aug. 22, 1973 Sept. 23, 1974 Oct. 28, 1975 June 21, 1976 Sept. 16, 1976	28.6 51.5 49.7 29.3 22.5 6.19 5.50	7.2	2.5	c
UF2	Fox River	NE¼NW¼ sec. 4, T. 12 N., R. 9 E., Columbia County, at bridge on State Highway 33, 1.7 mi northeast of Portage, Wis.	72.3	Oct. 23, 1931 Aug. 7, 1972 Sept. 11, 1972 Nov. 28, 1972 July 9, 1973 Aug. 20, 1973 Sept. 23, 1974 Oct. 28, 1975 June 21, 1976	22.5 24.1 56.6 53.0 35.1 33.6 27.9 20.6 15.2	15	11	c
UF3	Fox River	SE¼NW¼ sec. 5, T. 14 N., R. 9 E., Marquette County, at inlet to Buffalo Lake, 0.7 mi northeast of Endeavor, Wis.	335	Sept. 16, 1976 Aug. 30, 1977 Aug. 15, 1978	90.8 118 139	110	90	c

Table 10. Upper Fox River basin station locations and low-flow-characteristics—Continued.

Station number <sup>1</sup>	Stream name	Station location	Drainage area (mi <sup>2</sup> )	Date	Discharge (ft <sup>3</sup> /s)	Q <sub>7,2</sub> (ft <sup>3</sup> /s)	Q <sub>7,10</sub> (ft <sup>3</sup> /s)	Accuracy level
UF5	Fox River	NW¼NE¼ sec. 16, T. 17 N., R. 13 E., Green Lake County, 0.4 mi downstream from dam, 1.0 mi south of Berlin, Wis.	1,430			480	360	a
UF10	Fox River	NW¼NW¼ sec. 16, T. 15 N., R. 10 E., Marquette County, at bridge on State Highway 22, in Montello, Wis.	392	Oct. 19, 1970 Aug. 24, 1976 Sept. 16, 1976 Aug. 30, 1977	128 138 94.0 131	120	92	c
UF12	Westfield Creek	NE¼NE¼ sec. 12, T. 16 N., R. 8 E., Marquette County, just upstream from sewage-treatment plant, at Westfield, Wis.	23.4	Sept. 11, 1972 July 9, 1973 Aug. 20, 1973 Oct. 29, 1975 June 22, 1976 Sept. 15, 1976	40.4 50.6 40.7 44.1 28.7 32.2	27	23	c
UF14A	Grand River	SW¼NW¼ sec. 31, T. 15 N., R. 14 E., Fond du Lac County, just upstream from sewage-disposal ponds, 1.0 mi southwest of Fairwater, Wis.	24.7	July 19, 1973 Aug. 22, 1973 June 24, 1976 Sept. 14, 1976 July 28, 1977 Aug. 29, 1977	7.96 4.63 2.33 1.22 1.87 1.06	1.0	.37	c
UF17	Grand River	NE¼NE¼ sec. 7, T. 14 N., R. 13 E., Green Lake County, at bridge on State Highway 44, at Markesan, Wis.	57.6	July 19, 1973 Sept. 24, 1974 Oct. 25, 1975 June 24, 1976 Sept. 14, 1976	21.2 8.55 5.01 12.5 4.66	5.5	2.3	c
UF20	White River	SE¼NE¼ sec. 3, T. 18 N., R. 10 E., Waushara County, just upstream from sewage-treatment plant, at Wautoma, Wis.	16.5	Sept. 11, 1972 July 17, 1973 Aug. 20, 1973 Sept. 24, 1974 Oct. 29, 1975 June 22, 1976 Sept. 15, 1976	18.7 19.9 20.5 19.6 19.5 16.3 14.1	15	14	c
UF22	Puchyan River	NE¼SE¼ sec. 16, T. 16 N., R. 13 E., Green Lake County, at bridge on State Highways 23 and 49, 1.1 mi northeast of Green Lake, Wis.	117	Nov. 29, 1972 Oct. 29, 1975 June 23, 1976 Sept. 14, 1976 Aug. 29, 1977	68.7 10.4 21.0 6.82 8.24	<u>6</u>	<u>6</u>	
UF25	Silver Creek	SW¼SE¼ sec. 17, T. 16 N., R. 14 E., Fond du Lac County, at Ripon sewage-treatment plant, 1.1 mi northwest of Ripon, Wis.	26.7	July 17, 1973 Aug. 20, 1973 Sept. 25, 1974 Oct. 29, 1975 June 23, 1976 Sept. 14, 1976	9.85 7.38 5.58 3.49 4.85 3.23	3.3	1.7	c
UF28	Mud Creek	Lat 44°03'12", long 88°19'03", Calumet County, at bridge on country road, 2.7 mi north of Quinney, 1.6 mi southwest of Stockbridge, Wis.	5.41	July 18, 1973 July 31, 1973 Sept. 4, 1974 July 13, 1977	20 20 40 20	0	0	c
UF30, 31A	Taycheedah Creek tributary	NW¼NW¼ sec. 6, T. 15 N., R. 18 E., Fond du Lac County, at bridge on County Trunk K, 0.3 mi south of Taycheedah, Wis.	0.54	Sept. 12, 1972 July 18, 1973 Aug. 21, 1973 Sept. 24, 1974 Oct. 29, 1975 June 23, 1976	20 40 40 40 ≤01 est. 40	0	0	c
UF31	Taycheedah Creek	SW¼NE¼ sec. 12, T. 15 N., R. 17 E., Fond du Lac County, at bridge on State Highway 23, 2.0 mi east of Fond du Lac, Wis.	14.4	Nov. 30, 1972 July 18, 1973 Aug. 21, 1973 Sept. 24, 1974 Oct. 30, 1975 June 23, 1976 Sept. 14, 1976	4.52 1.35 2.13 .52 .63 2.65 20	.06	<.01	c

Table 10. Upper Fox River basin station locations and low-flow-characteristics—Continued.

Station number	Stream name	Station location	Drainage area (mi <sup>2</sup> )	Date	Discharge (ft <sup>3</sup> /s)	Q <sub>7,2</sub> (ft <sup>3</sup> /s)	Q <sub>7,10</sub> (ft <sup>3</sup> /s)	Accuracy level
UF33	De Neveu Creek tributary	SE¼NE¼ sec. 8, T. 14 N., R. 18 E., Fond du Lac County, just upstream from sewage-treatment plant, 0.3 mi north of Eden, Wis.	2.85	Nov. 15, 1971 July 18, 1973 Aug. 21, 1973 Sept. 25, 1974 Oct. 30, 1975 Sept. 13, 1976	0.34 .44 .61 .30 .26 .20	0.12	0.04	c
UF36, 37	De Neveu Creek	NE¼NE¼ sec. 25, T. 15 N., R. 17 E., Fond du Lac County, at site on U.S. Highway 45, 3.1 mi southeast of post office in Fond du Lac, Wis.	16.4	Nov. 16, 1971 July 18, 1973 Aug. 21, 1973 Oct. 30, 1975 June 23, 1976 Sept. 14, 1976	1.18 2.00 2.96 1.27 1.32 .75	.77	.39	c
UF40, 41	Campground Creek	SE¼SW¼ sec. 11, T. 14 N., R. 16 E., Fond du Lac County, just upstream from sewage-treatment plant, at Oakfield, Wis.	9.44	Nov. 16, 1971 July 18, 1973 Aug. 21, 1973 Sept. 24, 1974 Oct. 30, 1975 June 24, 1976 Sept. 13, 1976 July 13, 1976	2.61 6.57 5.76 4.67 2.98 4.39 3.21 3.48	2.9	1.8	c
UF42	Sevenmile Creek	NW¼NE¼ sec. 34, T. 15 N., R. 16 E., Fond du Lac County, at bridge on State Highway 103, at Lamartine, Wis.	17.5	July 18, 1973 Aug. 22, 1973 Sept. 24, 1974 June 24, 1976	<.01 est. 2.01 est. 2.0 2.0	0	0	c
UF43	West Branch Fond du Lac River tributary	NE¼NW¼ sec. 35, T. 16 N., R. 15 E., Fond du Lac County, at bridge on State Highway 26, 0.8 mi north of Rosendale, Wis.	2.85	Nov. 16, 1971 Nov. 15, 1973 Sept. 24, 1974 Oct. 29, 1975 Sept. 13, 1976 July 28, 1977 Aug. 29, 1977	.66 4.63 4.0 4.02 4.0 .16 .65	.02	<.01	c
UF44	West Branch Fond du Lac River	NW¼SW¼ sec. 36, T. 16 N., R. 15 E., Fond du Lac County, at culverts on County Trunk 000, at sewage treatment plant, 0.9 mi northeast of Rosendale, Wis.	5.32	Nov. 16, 1971 July 17, 1973 Aug. 20, 1973 Nov. 14, 1973 Oct. 29, 1975 June 24, 1976 July 13, 1976 Sept. 13, 1976	.97 .65 .14 .40 .26 .56 2.17 2.0	.03	0	c
UF45	Sevenmile Creek tributary	NE¼SW¼ sec. 19, T. 15 N., R. 16 E., Fond du Lac County, at bridge on County Trunk C, 9.4 mi west of post office in Fond du Lac, Wis.	1.29	Nov. 17, 1971 Sept. 24, 1974 Oct. 29, 1975 June 24, 1976 Sept. 13, 1976 July 28, 1977 Aug. 29, 1977	4.66 4.0 .22 .32 .18 .17 .12	.09	<.01	c
UF49, 50	Fox River tributary	SE¼NW¼ sec. 3, T. 18 N., R. 16 E., Winnebago County, at bridge on State Highway 110, 3.7 mi northwest of city hall, in Oshkosh, Wis.	.68	July 17, 1973 Aug. 21, 1973 Sept. 24, 1974 Oct. 29, 1975 June 23, 1976	4.0 4.0 4.0 4.0 4.0	0	0	c
UF1B	Westfield Creek tributary	SE¼SW¼ sec. 1, T. 16 N., R. 8 E., Marquette County, just upstream from fish hatchery outfall, at Westfield, Wis.	1.02	June 22, 1976 Sept. 15, 1976 July 29, 1977 Aug. 30, 1977	4.05 4.0 .05 .02	.02	<.01	c

Table 10. Upper Fox River basin station locations and low-flow-characteristics—Continued.

Station <sup>1</sup> number	Stream name	Station location	Drainage area (mi <sup>2</sup> )	Date	Discharge (ft <sup>3</sup> /s)	Q <sub>7,2</sub> (ft <sup>3</sup> /s)	Q <sub>7,10</sub> (ft <sup>3</sup> /s)	Accuracy level
UF2B	Neenah Creek	NE¼SW¼ sec. 20, T. 15 N., R. 8 E., Marquette County, at country road bridge, 1.2 mi south of Oxford, Wis.	33.2	July 29, 1977 Aug. 30, 1977 Aug. 15, 1978	30.8 26.5 32.2	28	25	c

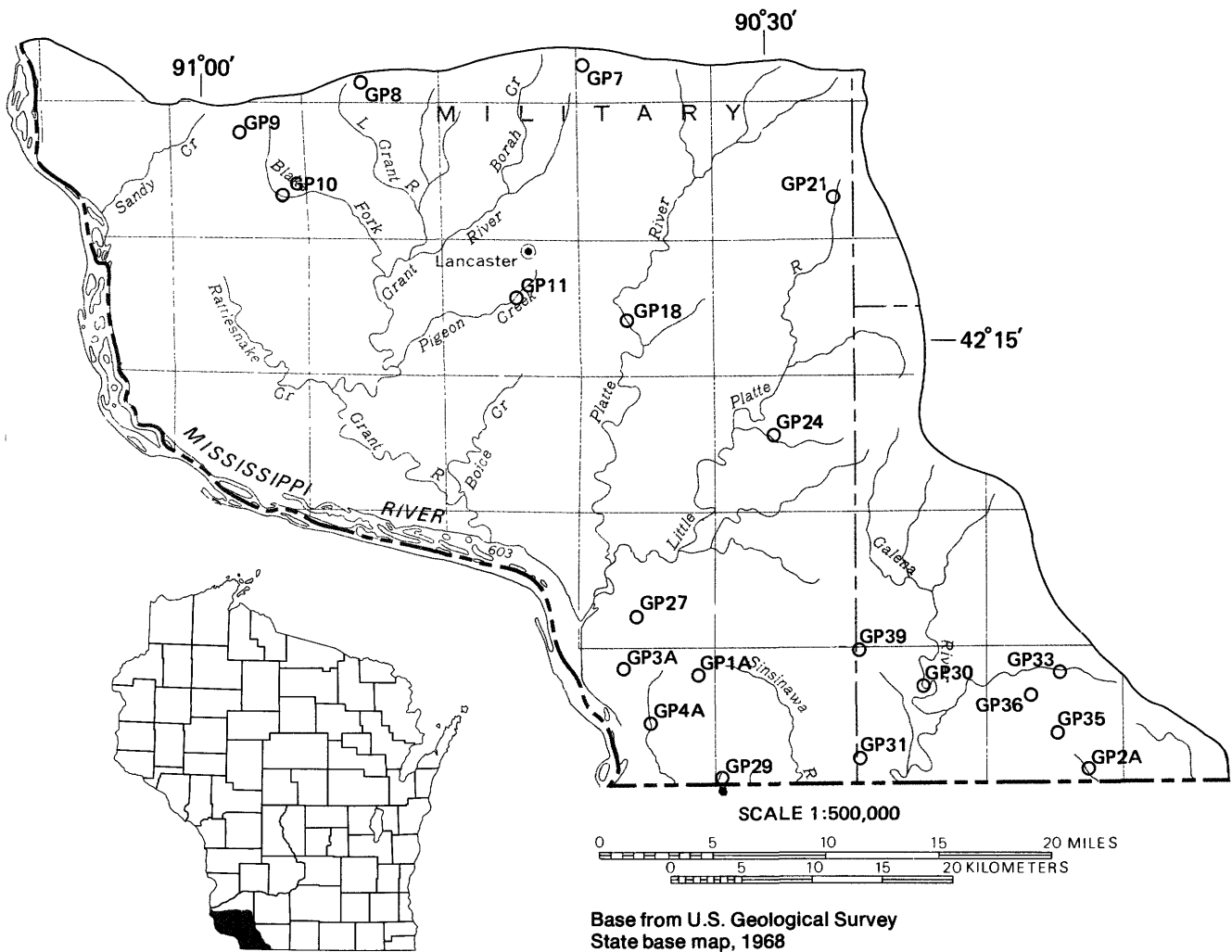
<sup>1</sup>Based on 1967 report by Wisconsin Department of Natural Resources (DNR). Site lettered "B" was not included in 1967 DNR report.

<sup>2</sup>Streambed is dry.

<sup>4</sup>Negligible discharge—water ponded, unable to measure velocity.

<sup>6</sup>No estimate possible due to regulation upstream.

Table 11. Grant-Platte River basin station locations and low-flow characteristics.



Grant-Platte River basin

Station number	Stream name	Station location	Drainage area (mi <sup>2</sup> )	Date	Discharge (ft <sup>3</sup> /s)	Q <sub>7,2</sub> (ft <sup>3</sup> /s)	Q <sub>7,10</sub> (ft <sup>3</sup> /s)	Accuracy level
GP7	Gregory Branch	SE¼SW¼ sec. 19, T. 6 N., R. 2 W., Grant County, at sewage-treatment plant, in Fennimore, Wis.	0.42	June 21, 1972 Sept. 1, 1972 Aug. 3, 1973 Oct. 17, 1975 July 27, 1976 Oct. 26, 1976	0.14 .28 .24 .12 .05 .05	0.02	0.01	c
GP8	Little Grant River	NE¼SW¼ sec. 28, T. 6 N., R. 4 W., Grant County, at sewage-disposal reservoir, in Mount Hope, Wis.	.56	June 21, 1972 Sept. 1, 1972 Aug. 3, 1973 Oct. 17, 1975 July 27, 1976 Oct. 26, 1976	.09 .13 .39 .18 .10 .03	.01	<.01	c

Table 11. Grant-Platte River basin station locations and low-flow characteristics—Continued.

Station number <sup>1</sup>	Stream name	Station location	Drainage area (mi <sup>2</sup> )	Date	Discharge (ft <sup>3</sup> /s)	Q <sub>7,2</sub> (ft <sup>3</sup> /s)	Q <sub>7,10</sub> (ft <sup>3</sup> /s)	Accuracy level
GP9	Blake Fork tributary	SW¼SE¼ sec. 4, T. 5 N., R. 5 W., Grant County, at sewage-disposal site, 0.5 mi south of Patch Grove, Wis.	1.31	June 21, 1972 Aug. 31, 1972 Aug. 3, 1973 Oct. 17, 1975 July 27, 1976 Oct. 26, 1976	0.04 0 .49 .15 .05 .03	0.01	<0.01	c
GP10	Blake Fork	SE¼NE¼ sec. 26, T. 5 N., R. 5 W., Grant County, at sewage-disposal site, in Bloomington, Wis.	17.9	June 21, 1972 Aug. 31, 1972 Aug. 3, 1973 Oct. 17, 1975 July 27, 1976 Oct. 26, 1976	3.88 8.30 12.8 7.04 4.32 4.29	2.5	1.5	c
GP11	Pigeon Creek tributary	SW¼NE¼ sec. 10, T. 4 N., R. 3 W., Grant County, at bridge on town road to Lancaster sewage-treatment plant.	.31	June 21, 1972	<sup>2</sup> 0	0	0	c
	Pigeon Creek	SW¼SW¼ sec. 15, T. 4 N., R. 3 W., Grant County, at town road, 2.3 mi south of Lancaster, Wis.	6.93	June 21, 1972 Aug. 31, 1972 Aug. 2, 1973 Oct. 17, 1975 July 26, 1976 Oct. 26, 1976	<sup>3</sup> 2.66 4.71 4.91 3.01 4.10 1.55	1.5	.85	b
GP18	Austin Branch tributary	SW¼NW¼ sec. 13, T. 4 N., R. 3 W., Grant County, at County Hospital sewage-treatment plant, 2.1 mi southeast of Lancaster, Wis.	.03					
	Austin Branch	NW¼SE¼ sec. 17, T. 4 N., R. 2 W., Grant County, at mouth, 2.7 mi northwest of Ellenboro, Wis.	5.52	Sept. 18, 1969 Aug. 18, 1970 Sept. 1, 1971 June 21, 1972 June 27, 1973 Aug. 2, 1973 Oct. 17, 1975 July 26, 1976	3.40 3.43 3.12 3.00 8.94 5.74 3.21 2.87	1.6	1.0	c
GP21	Little Platte River	SW¼NE¼ sec. 24, T. 5 N., R. 1 W., Grant County, at sewage-treatment plant, in Livingston, Wis.	.23					
	Little Platte River	SW¼SE¼ sec. 24, T. 5 N., R. 1 W., Grant County, at bridge on State Highway 80, 1.0 mi south of Livingston, Wis.	1.29	June 23, 1972 Sept. 1, 1972 Aug. 3, 1973 Oct. 17, 1975 July 26, 1976 Oct. 26, 1976	.26 1.21 1.13 .40 .17 .17	.09	.03	c
GP24	Roundtree Branch	SE¼NE¼ sec. 17, T. 3 N., R. 1 W., Grant County, at sewage-treatment plant, in Pletzeville, Wis.	12.5	Aug. 30, 1972 June 28, 1973 Aug. 2, 1973 Oct. 16, 1975 July 27, 1976 Oct. 27, 1976	4.75 12.4 8.94 4.64 6.83 2.60	1.7	.90	c
GP27	Indian Creek tributary	SW¼SW¼ sec. 22, T. 2 N., R. 2 W., Grant County, at sewage-treatment plant, at Dickeyville, Wis.	.06					
	Indian Creek	SW¼NE¼ sec. 29, T. 2 N., R. 2 W., Grant County, at bridge on town road, 2.1 mi west of Dickeyville, Wis.	3.72	June 22, 1972 Aug. 30, 1972 Aug. 2, 1973 Oct. 16, 1975 July 27, 1976 Oct. 27, 1976	.05 .01 est. 1.79 .94 .33 .35	<.01	<.01	c

Table 11. Grant-Platte River basin station locations and low-flow characteristics—Continued.

Station number	Stream name	Station location	Drainage area (mi <sup>2</sup> )	Date	Discharge (ft <sup>3</sup> /s)	Q <sub>7,2</sub> (ft <sup>3</sup> /s)	Q <sub>7,10</sub> (ft <sup>3</sup> /s)	Accuracy level
GP29	Menominee River tributary	NW¼NW¼ sec. 31, T. 1 N., R. 1 W., Grant County, sewage-treatment plant, at Sinsiniwa, Wis.	0.04					
	Menominee River tributary	SW¼NW¼ sec. 31, T. 1 N., R. 1 W., Grant County, at bridge on County Trunk ZZ, 0.5 mi south of Sinsiniwa, Wis.	.18	June 22, 1972 Aug. 30, 1972 Aug. 1, 1973 Oct. 16, 1975 Oct. 27, 1976	0.08 .09 .14 .07 .02	0.01	<0.01	c
GP30	Galena River	SW¼SE¼ sec. 10, T. 1 N., R. 1 E., Lafayette County, at bridge on State Highway 11, 1.4 mi east of east of Benton, Wis.	71.0	June 22, 1972 Aug. 31, 1972 Aug. 1, 1973 Oct. 15, 1975 Oct. 27, 1976	17.0 27.3 51.5 23.5 10.1	11	5.7	c
	Galena River	NW¼NE¼ sec. 16, T. 1 N., R. 1 E., Lafayette County, at sewage-treatment plant outfall, at Benton, Wis.	71.6					
GP31	Scrabble Branch tributary	SE¼NE¼ sec. 25, T. 1 N., R. 1 W., Grant County, at sewage-treatment plant, at Hazel Green, Wis.	.07					
	Scrabble Branch	SW¼NW¼ sec. 32, T. 1 N., R. 1 E., Lafayette County, at bridge on town road, 2.1 mi southeast of Hazel Green, Wis.	4.69	June 22, 1972 Aug. 30, 1972 Aug. 1, 1973 Oct. 16, 1975 Oct. 27, 1976	1.03 1.07 2.79 1.39 .67	.66	.37	c
GP33	Shullsburg Branch	NE¼NW¼ sec. 10, T. 1 N., R. 2 E., Lafayette County, at bridge on County Trunk O, at Shullsburg, Wis.	7.72	June 22, 1972 Aug. 31, 1972 Aug. 1, 1973 Oct. 15, 1975 Oct. 27, 1976	1.10 2.69 4.91 1.57 .35	.33	.09	c
GP35	Shullsburg Branch tributary	NW¼SW¼ sec. 22, T. 1 N., R. 2 E., Lafayette County, at culvert on County Trunk O, 2.2 mi southwest of Shullsburg, Wis.	.32	Oct. 15, 1975 Oct. 27, 1976 June 22, 1977	4.78 3.59 2.76	<u>5</u>	<u>5</u>	
GP36	Shullsburg Branch tributary	NE¼NE¼ sec. 17, T. 1 N., R. 2 E., Lafayette County, at bridge on State Highway 11, 2.2 mi west of Shullsburg, Wis.	3.94	Oct. 15, 1975 Oct. 27, 1976 June 22, 1977	3.57 2.36 2.07	<u>5</u>	<u>5</u>	
GP39	Coon Branch tributary	NW¼SW¼ sec. 31, T. 2 N., R. 1 E., Lafayette County, at sewage-treatment plant, at Cuba City, Wis.	.09					
	Coon Branch	SW¼SE¼ sec. 31, T. 2 N., R. 1 E., Lafayette County, at bridge on town road, 1.4 mi southeast of Cuba City, Wis.	1.01	June 22, 1972 Aug. 30, 1972 Aug. 2, 1973 Oct. 16, 1975 Oct. 27, 1976	.28 .35 .56 .25 .18	.17	.12	c
GP1A	Louisburg Creek	NE¼NW¼ sec. 12, T. 1 N., R. 2 W., Grant County, approximately 400 ft downstream from country road bridge, just downstream from tributary at Louisburg, Wis.	2.19	Oct. 16, 1975 Oct. 27, 1976 June 21, 1977	.62 .42 .28	.29	.18	c
GP2A	East Fork Galena River	SW¼NE¼ sec. 33, T. 1 N., R. 2 E., Lafayette County, at bridge on country road, 4.0 mi southeast of New Diggings, Wis.	.83	Oct. 15, 1975 Oct. 27, 1976 June 22, 1977	3.97 ≤.01 0	<.01	0	c
GP3A	Betal Hollow	NW¼SW¼ sec. 4, T. 1 N., R. 2 W., Grant County, at culvert on country road, 1.1 mi west of Kieler, Wis.	1.42	Oct. 16, 1975 Oct. 27, 1976 June 21, 1977	.68 .31 .28	.25	.15	c



Table 11. Grant-Platte River basin station locations and low-flow characteristics—Continued.

Station number	<sup>1</sup> Stream name	Station location	Drainage area (mi <sup>2</sup> )	Date	Discharge (ft <sup>3</sup> /s)	Q <sub>7,2</sub> (ft <sup>3</sup> /s)	Q <sub>7,10</sub> (ft <sup>3</sup> /s)	Accuracy level
GP4A	Menominee River	NW¼SW¼ sec. 22, T. 1 N., R. 2 W., Grant County, at bridge on country road, 2.6 mi south of Kieler, Wis.	12.0	Oct. 16, 1976 Oct. 27, 1976 June 21, 1977	3.13 1.77 1.02	1.1	0.56	c

<sup>1</sup> Based on 1971 report by Wisconsin Department of Natural Resources (DNR). Site lettered "A" was not included in 1971 DNR report.

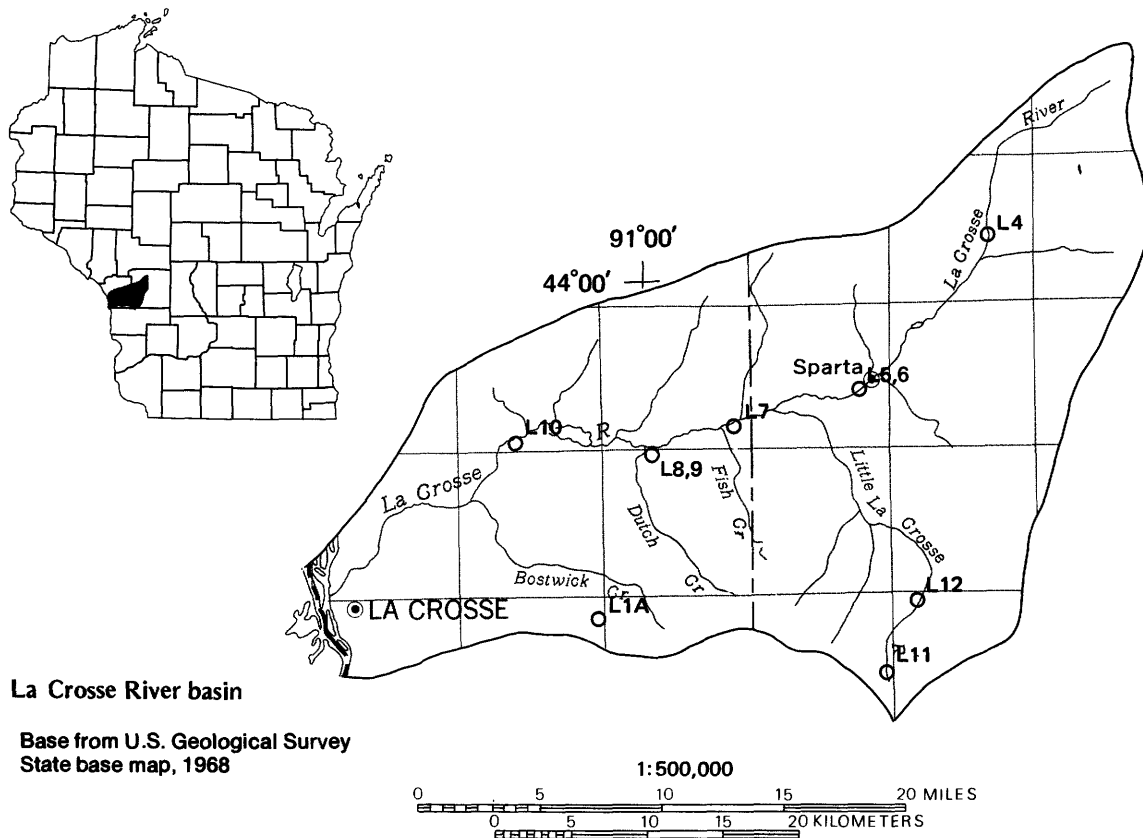
<sup>2</sup> Streambed is dry.

<sup>3</sup> Additional discharge measurements are available.

<sup>4</sup> Negligible discharge—water ponded, unable to measure velocity.

<sup>5</sup> No estimate possible—discharge is primarily effluent.

Table 12. La Crosse River basin station locations and low-flow characteristics.



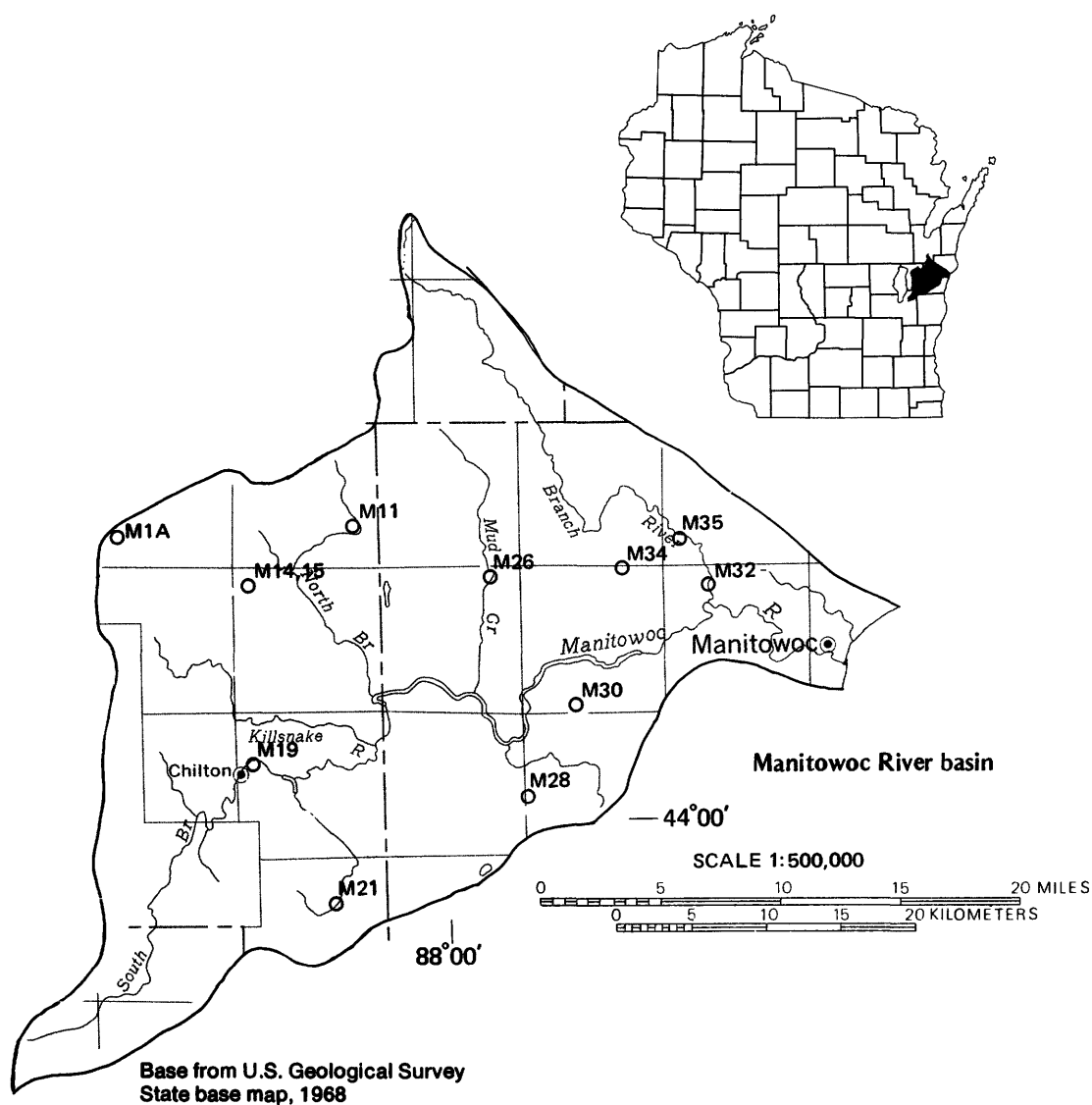
Station <sup>1</sup> number	Stream name	Station location	Drainage area (mi <sup>2</sup> )	Date	Discharge (ft <sup>3</sup> /s)	Q <sub>7,2</sub> (ft <sup>3</sup> /s)	Q <sub>7,10</sub> (ft <sup>3</sup> /s)	Accuracy level
L4	La Crosse River	SE¼NE¼ sec. 27, T. 18 N., R. 3 W., Monroe County, on country road, 3.7 mi northeast of Angelo, Wis.	59.7	Aug. 13, 1970 Aug. 10, 1972 June 27, 1973 Sept. 11, 1973 Aug. 19, 1976	58.3 60.5 103 72 46.2	41	31	c
L5, 6	La Crosse River	NE¼SE¼ sec. 23, T. 17 N., R. 4 W., Monroe County, upstream from sewage- treatment plant, at Sparta, Wis.	168	June 27, 1973 Sept. 11, 1973 Aug. 18, 1976 Aug. 8, 1977	223 178 104 104	84	63	c
L7	La Crosse River	NW¼NE¼ sec. 36, T. 17 N., R. 5 W., La Crosse County, on County Trunk J, 0.5 mi north of Rockland, Wis.	285	Aug. 13, 1970 Aug. 10, 1972 June 26, 1973 Sept. 11, 1973 Aug. 18, 1976	178 195 338 236 167	120	87	c
L8, 9	La Crosse River	SE¼SE¼ sec. 32, T. 17 N., R. 5 W., La Crosse County, just downstream from Dutch Creek, 0.6 mi north of Bangor, Wis.	332	Aug. 18, 1976 Aug. 8, 1977 Sept. 13, 1977 Sept. 11, 1978	192 191 172 210	140	100	c
L10	La Crosse River	SW¼SE¼ sec. 32, T. 17 N., R. 6 W., La Crosse County, at town road, 1.9 mi west of West Salem, Wis.	398			160	116	a

Table 12. LaCrosse River basin station locations and low-flow characteristics—Continued.

Station <sup>1</sup> number	Stream name	Station location	Drainage area (mi <sup>2</sup> )	Date	Discharge (ft <sup>3</sup> /s)	Q <sub>7,2</sub> (ft <sup>3</sup> /s)	Q <sub>7,10</sub> (ft <sup>3</sup> /s)	Accuracy level
L11	Little La Crosse River	NW¼SW¼ sec. 30, T. 15 N., R. 3 W., Monroe County, at sewage-treatment plant, at Cashton, Wis.	0.97					
	Little La Crosse River	NW¼NE¼ sec. 24, T. 15 N., R. 4 W., Monroe County, at State Highway 27, 0.8 mi northwest of Cashton, Wis.	3.05	Aug. 10, 1972 June 28, 1973 Sept. 11, 1973 Aug. 18, 1976	0.78 2.03 2.22 .92	0.53	0.38	c
L12	Little La Crosse River	SE¼NE¼ sec. 6, T. 15 N., R. 3 W., Monroe County, at County Trunk F, at Melvina, Wis.	18.4	Aug. 10, 1972 June 28, 1973 Sept. 11, 1973 Aug. 18, 1976	6.37 12.3 12.7 4.80	3.7	2.7	c
L1A	St. Joseph Coulee tributary	NW¼NE¼ sec. 12, T. 15 N., R. 6 W., La Crosse County, at bridge on private road, 0.8 mi north of St. Joseph, Wis.	.49	Aug. 18, 1976 Aug. 9, 1977 Sept. 13, 1977 Sept. 11, 1978	.39 .28 .36 .45	.17	.13	c

<sup>1</sup>Based on 1971 report by Wisconsin Department of Natural Resources (DNR). Site lettered "A" was not included in 1971 DNR report.

Table 13. Manitowoc River basin station locations and low-flow characteristics.



Station <sup>1</sup> number	Stream name	Station location	Drainage area (mi <sup>2</sup> )	Date	Discharge (ft <sup>3</sup> /s)	Q <sub>7,2</sub> (ft <sup>3</sup> /s)	Q <sub>7,10</sub> (ft <sup>3</sup> /s)	Accuracy level
M11	Spring Creek	NW¼SE¼ sec. 26, T. 20 N., R. 20 E., Calumet County, at sewage-treatment plant, 0.3 mi downstream from State Highway 114, at Brillion, Wis.	7.42	July 17, 1972 Oct. 11, 1972 July 31, 1973 Sept. 5, 1974 Aug. 13, 1975 Sept. 30, 1976	1.70 1.74 .92 .84 .95 .44	5	5	

Table 13. Manitowoc River basin station locations and low-flow characteristics—Continued.

Station number <sup>1</sup>	Stream name	Station location	Drainage area (mi <sup>2</sup> )	Date	Discharge (ft <sup>3</sup> /s)	Q <sub>7,2</sub> (ft <sup>3</sup> /s)	Q <sub>7,10</sub> (ft <sup>3</sup> /s)	Accuracy level
M14, 15	North Branch Manitowoc River tributary	SW¼SE¼ sec. 6, T. 19 N., R. 20 E., Calumet County, at sewage-treatment plant, in Hilbert, Wis.	3.24	Aug. 12, 1975	<sup>2</sup> 0	0	0	c
	North Branch Manitowoc River tributary	SE¼SE¼ sec. 6, T. 19 N., R. 20 E., Calumet County, at culvert on Irish Road, 0.9 mi east of Hilbert, Wis.	4.16	July 17, 1972 Oct. 11, 1972 July 31, 1973 Sept. 5, 1974 Aug. 12, 1975 Sept. 30, 1976	.33 .68 .17 .32 4.47 40	<u>5</u>	<u>5</u>	
M19	South Branch Manitowoc River	NW¼NW¼ sec. 17, T. 18 N., R. 20 E., Calumet County, at town road, 1.1 mi northeast of Chilton, Wis.	75.2	July 17, 1972 Oct. 10, 1972 July 31, 1973 Sept. 4, 1974 Aug. 12, 1975 Oct. 1, 1976 July 13, 1977	<sup>3</sup> 8.66 54.5 5.19 5.53 .73 .27 5.58	.37	.05	b
M21	Pine Creek tributary	SW¼SW¼ sec. 11, T. 17 N., R. 20 E., Calumet County, at sewage-treatment plant, in New Holstein, Wis.	3.62	July 17, 1972 Oct. 10, 1972 July 31, 1973 Sept. 4, 1974 Aug. 12, 1975 Oct. 1, 1976	.04 .22 .08 2.06 20 20	0	0	c
M26	Mud Creek	SW¼SW¼ sec. 2, T. 19 N., R. 21 E., Manitowoc County, at town road, 1.0 mi south of Reedsville, Wis.	38.7	July 18, 1972 Oct. 11, 1972 Aug. 1, 1973 Nov. 13, 1973 Sept. 5, 1974 Aug. 13, 1975 Sept. 30, 1976 July 13, 1977	<sup>3</sup> 2.40 6.28 1.85 6.98 .86 .63 .48 .26	.32	.12	b
	Mud Creek	SW¼NE¼ sec. 2, T. 19 N., R. 21 E., Manitowoc County, just upstream from new sewage-treatment plant, in Reedsville, Wis.		Aug. 13, 1975 Sept. 30, 1976 July 13, 1977	.42 .12 .11	.11	.04	c
M28	Tributary to Manitowoc River tributary	NE¼SE¼ sec. 24, T. 18 N., R. 21 E., Manitowoc County, at sewage-treatment plant, at St. Nazianz, Wis.	.38	July 18, 1972 Oct. 10, 1972 Aug. 1, 1973 Sept. 4, 1974 Aug. 13, 1975 Oct. 1, 1976	.06 .03 .28 .12 .02 .04	.01	<.01	c
M30	Manitowoc River tributary	SE¼SW¼ sec. 32, T. 19 N., R. 22 E., Manitowoc County, at sewage-treatment plant, in Velders, Wis.	4.95	July 18, 1972 Oct. 10, 1972 Aug. 1, 1973 Nov. 13, 1973 Sept. 4, 1974 Aug. 13, 1975 Aug. 12, 1976 Oct. 1, 1976	.62 1.08 20 1.00 20 20 20 20	0	0	c
M32	Branch River	NW¼NE¼ sec. 8, T. 19 N., R. 23 E., Manitowoc County, at Branch River Country Club sewage-treatment plant, 0.1 mi upstream from town road, 0.6 mi south of Branch, Wis.	108	July 18, 1972 Oct. 11, 1972 Aug. 1, 1973 Sept. 5, 1974 Aug. 14, 1975 Sept. 30, 1976	16.7 22.7 18.6 11.5 6.76 7.82	5.6	3.5	c
M34	Branch River tributary	SW¼NE¼ sec. 2, T. 19 N., R. 22 E., Manitowoc County, at sewage-treatment plant, in Whitelaw, Wis.	.26					
	Branch River tributary	SW¼NW¼ sec. 2, T. 19 N., R. 22 E., Manitowoc County, town road, 0.75 mi west of Whitelaw, Wis.	1.30	July 18, 1972 Oct. 11, 1972 Aug. 1, 1973 Sept. 5, 1974 Aug. 12, 1975 Sept. 28, 1976	.06 .53 4.02 40 .06 .04	<.01	<.01	c

Table 13. Manitowoc River basin station locations and low-flow characteristics—Continued.

Station <sup>1</sup> number	Stream name	Station location	Drainage area (mi <sup>2</sup> )	Date	Discharge (ft <sup>3</sup> /s)	Q <sub>7,2</sub> (ft <sup>3</sup> /s)	Q <sub>7,10</sub> (ft <sup>3</sup> /s)	Accuracy level
M35	Branch River tributary	SE¼SW¼ sec. 36, T. 20 N., R. 22 E., Manitowoc County, at sewage-treatment site for Maple Crest Sanitarium, 0.9 mi northeast of Whitelaw, Wis.	0.01					
	Branch River tributary	NE¼NE¼ sec. 36, T. 20 N., R. 22 E., Manitowoc County, at culvert on County Trunk H, 1.8 mi northeast of Whitelaw, Wis.	.96	July 18, 1972 Oct. 11, 1972 Aug. 1, 1973 Nov. 13, 1973 Sept. 5, 1974	0.03 0 .12 2.24 0	0	0	c
	Branch River	NE¼NE¼ sec. 31, T. 20 N., R. 23 E., Manitowoc County, at bridge on country road, 1.7 mi northwest of Branch, Wis.		Sept. 5, 1974 Aug. 14, 1975 Sept. 30, 1976 July 13, 1977	7.15 4.01 4.41 3.68	4.3	3.1	c
M1A	North Branch Manitowoc River	NW¼NE¼ sec. 32, T. 20 N., R. 19 E., Calumet County, at culvert on County Trunk B, at Sherwood, Wis.	3.09	Oct. 31, 1975 July 14, 1976 Sept. 16, 1976 Oct. 1, 1976 Oct. 15, 1976 Nov. 1, 1976 May 17, 1977	.19 .04 .05 .04 .05 .07 .14	.04	.02	c

<sup>1</sup>Based on 1969 report by Wisconsin Department of Natural Resources (DNR). Site lettered "A" was not included in 1969 DNR report.

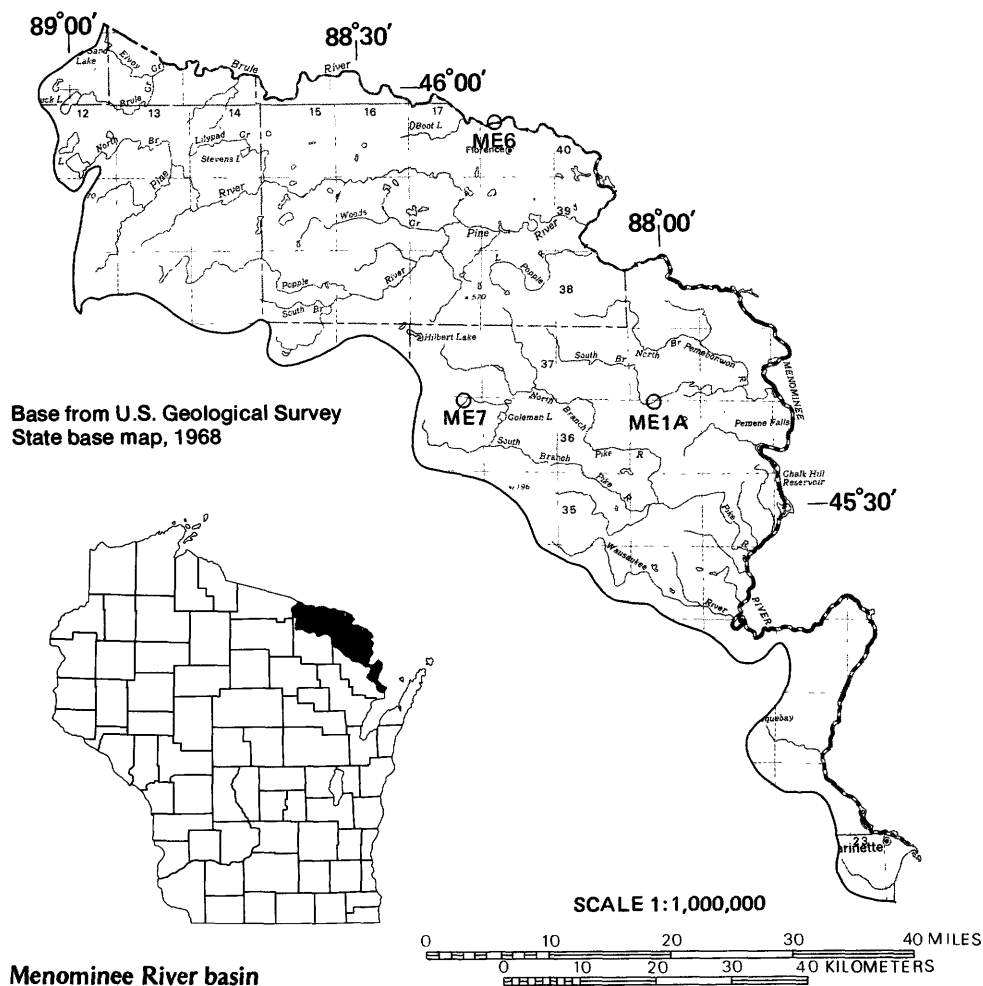
<sup>2</sup>Streambed is dry.

<sup>3</sup>Additional discharge measurements are available.

<sup>4</sup>Negligible discharge—water ponded, unable to measure velocity.

<sup>5</sup>No estimate possible—discharge is primarily effluent.

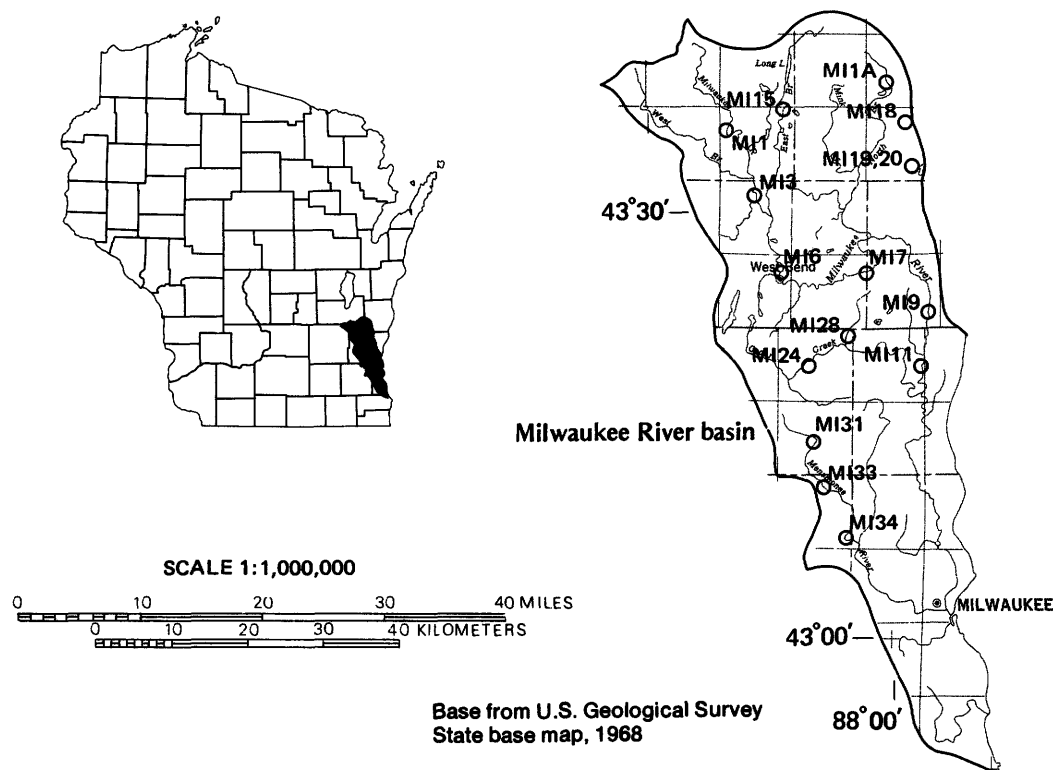
Table 14. Menominee River basin station locations and low-flow characteristics.



Station number <sup>1</sup>	Stream name	Station location	Drainage area (mi <sup>2</sup> )	Date	Discharge (ft <sup>3</sup> /s)	Q <sub>7,2</sub> (ft <sup>3</sup> /s)	Q <sub>7,10</sub> (ft <sup>3</sup> /s)	Accuracy level
ME6	Brule River tributary	SE¼SW¼ sec. 16, T. 40 N., R. 18 E. Florence County, at bridge on country road, 1.0 mi north of Florence, Wis.	0.60					
	Brule River	SE¼SE¼ sec. 11, T. 41 N., R. 32 W., Michigan meridian, on left bank 40 ft upstream from highway bridge, 1.0 mi upstream from Paint River, 2.6 mi north of Florence, Wis.	389			205	166	a
ME7	Chemical Creek	SW¼NE¼ sec. 3, T. 36 N., R. 17 E., Marinette County, just upstream from sewage-treatment plant, at Goodman, Wis.	4.57	Aug. 1, 1972 June 27, 1973 Aug. 29, 1973 Oct. 1, 1974 July 8, 1975 Aug. 5, 1975 Aug. 31, 1976 Oct. 13, 1976	2.16 5.32 2.65 1.57 1.52 .54 1.07 .93	.73	.44	c
ME1A	South Branch Pemebonwon River	SW¼NW¼ sec. 4, T. 36 N., R. 20 E., Marinette County, at bridge on U.S. Highway 8, 1.5 mi southwest of Pembine, Wis.	40.9	Oct. 3, 1974 July 8, 1975 Aug. 5, 1975 Oct. 13, 1976	24.4 19.6 13.9 8.23	7.5	3.5	c

<sup>1</sup>Based on 1969 report by Wisconsin Department of Natural Resources (DNR). Site lettered "A" was not included in 1969 DNR report.

Table 15. Milwaukee River basin station locations and low-flow characteristics.



Station number	Stream name	Station location	Drainage area (mi <sup>2</sup> )	Date	Discharge (ft <sup>3</sup> /s)	Q <sub>7,2</sub> (ft <sup>3</sup> /s)	Q <sub>7,10</sub> (ft <sup>3</sup> /s)	Accuracy level
MI1	Milwaukee River	NE¼SE¼ sec. 7, T. 13 N., R. 19 E., Fond du Lac County, at bridge on private road, 0.7 mi northeast from junction of State Highway 67 and County Trunk Y, in Campbellsport, Wis.	51.4			0.24	0.07	b
MI3	Milwaukee River	NE¼SE¼ sec. 9, T. 12 N., R. 19 E., Washington County, at dam 0.25 mi downstream from State Highway 28, at Kewaskum, Wis.	138			7.6	1.3	a
MI6	Milwaukee River	SE¼NE¼ sec. 14, T. 11 N., R. 19 E., Washington County, at bridge on city street, at West Bend, Wis.	236	July 26, 1972 June 14, 1973 Aug. 14, 1973 Oct. 10, 1975 Sept. 30, 1976	44.9 175 48.7 35.7 18.9	14	5.1	c
	Milwaukee River	SW¼NW¼ sec. 13, T. 11 N., R. 19 E., Washington County, at sewage-treatment plant, at West Bend, Wis.	237	Oct. 10, 1975	37.9			
MI7	Milwaukee River	SW¼NE¼ sec. 12, T. 11 N., R. 20 E., Washington County, at County Trunk MY, at Newburg, Wis.	265	Oct. 3, 1968 June 14, 1973 Aug. 14, 1973 Oct. 11, 1975 Sept. 28, 1976 Sept. 30, 1976 Nov. 12, 1976	50.9 192 58.3 43.1 25.3 24.4 36.5	21	8.9	c



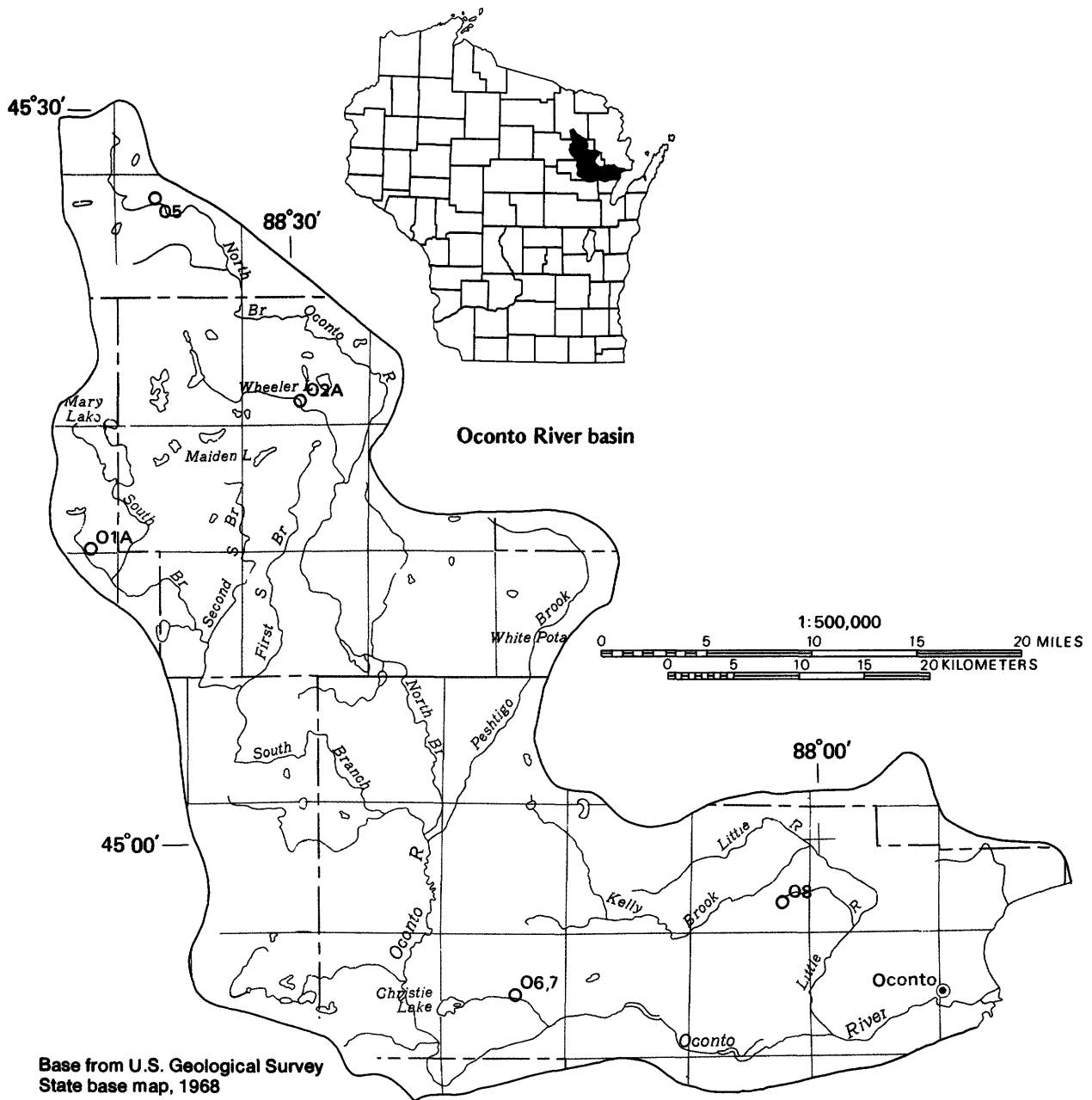
Table 15. Milwaukee River basin station locations and low-flow characteristics—Continued.

Station number <sup>1</sup>	Stream name	Station location	Drainage area (mi <sup>2</sup> )	Date	Discharge (ft <sup>3</sup> /s)	Q <sub>7,2</sub> (ft <sup>3</sup> /s)	Q <sub>7,10</sub> (ft <sup>3</sup> /s)	Accuracy level
MI9	Milwaukee River	NW¼NW¼ sec. 36, T. 11 N., R. 21 E., Ozaukee County, at bridge on State Highway 33, at Saukville, Wis.	457	June 14, 1973 Aug. 14, 1973 Oct. 11, 1975 Sept. 28, 1976	306 118 78.9 60.2	46	22	c
	Milwaukee River	NE¼SE¼ sec. 35, T. 11 N., R. 21 E., Ozaukee County, 50 ft upstream from sewage-treatment plant, at Saukville, Wis.	461	Oct. 3, 1968	72.4			
MI11	Milwaukee River	NW¼NE¼ sec. 25, T. 10 N., R. 21 E., Ozaukee County, just upstream from sewage-treatment plant, at Grafton, Wis.	476	Aug. 14, 1973 Oct. 11, 1975 Sept. 27, 1976	121 80.9 46.9	46	22	c
	East Branch Milwaukee River	SE¼SE¼ sec. 2, T. 13 N., R. 19 E., Fond du Lac County, at bridge on County Trunk SS, 2.3 mi south of Dundee, Wis.	36.2	July 26, 1962 June 14, 1973 Aug. 15, 1973 Oct. 10, 1975 Sept. 28, 1976	7.90 25.4 8.52 7.15 5.51	4.2	1.2	c
MI18	North Branch Milwaukee River tributary	NW¼NW¼ sec. 2, T. 13 N., R. 21 E., Sheboygan County, at bridge on County Trunk W, 1.0 mi north of Adell, Wis.	4.23	July 26, 1972 Aug. 15, 1973 Oct. 10, 1975 Sept. 28, 1976 July 11, 1977	.88 .76 .46 .08 .45	.08	.01	c
	Silver Creek 20	SE¼SW¼ sec. 27, T. 13 N., R. 21 E., Sheboygan County, at bridge on State Highway 144, 0.7 mi northwest of Random Lake, Wis.	11.7	July 26, 1972 June 14, 1973 Aug. 15, 1973 Oct. 10, 1975 Sept. 29, 1976	1.98 6.04 .58 .74 .40	.30	.10	c
MI24	Cedar Creek	NE¼NE¼ sec. 20, T. 10 N., R. 20 E., Washington County, at bridge on State Highway 60, 1.2 mi east of Jackson, Wis.	53.6	Sept. 16, 1968 Sept. 17, 1968 Oct. 2, 1968 July 25, 1972 June 13, 1973 Aug. 14, 1973 Oct. 10, 1975 Sept. 27, 1976	7.80 7.29 9.33 20.2 38.1 16.7 13.1 9.41	3.5	.94	c
	Cedar Creek tributary	NE¼NW¼ sec. 12, T. 10 N., R. 20 E., Washington County, at bridge on Pleasant Valley road, 5.0 mi northeast of Jackson, Wis.	13.8	Sept. 13, 1968 Oct. 10, 1975 Sept. 27, 1976 July 11, 1977	.60 1.38 .55 .38	.19	.04	c
MI31	Menomonee River	SW¼SW¼ sec. 15, T. 9 N., R. 20 E., Washington County, at bridge on Freistadt Road, 0.9 mi northwest of Germantown, Wis.	11.3	June 13, 1973 Aug. 14, 1973 Oct. 10, 1975 Sept. 27, 1976	2.69 4.30 4.0 4.0	.05	<.01	c
	Menomonee River	SE¼NE¼ sec. 21, T. 9 N., R. 20 E., Washington County, at sewage-treatment plant, 1.0 mi west of Germantown, Wis.	17.4					
MI33	Menomonee River	SW¼SE¼ sec. 33, T. 9 N., R. 20 E., Washington County, at County Trunk Q, 1.2 mi northwest of Menomonee Falls, Wis.	30.7			1.9	.54	b
MI34	Menomonee River	SE¼NE¼ sec. 36, T. 8 N., R. 20 E., Waukesha County, at bridge on 124th Street, 0.7 mi north of post office, in Butler, Wis.	60.6	July 25, 1972 June 13, 1973 Aug. 14, 1973 Sept. 27, 1976	11.5 25.0 8.53 4.24	3.7	1.1	c
	North Branch Milwaukee River	NW¼NE¼ sec. 29, T. 14 N., R. 21 E., Sheboygan County, at bridge on State Highway 28, at Cascade, Wis.	7.48	Oct. 10, 1975 Sept. 28, 1976 July 11, 1977	7.21 6.22 4.35	3.7	2.2	c

<sup>1</sup> Based on 1968 report by Wisconsin Department of Natural Resources (DNR). Site lettered "A" was not included in 1968 DNR report.

<sup>4</sup> Negligible discharge—water ponded, unable to measure velocity.

Table 16. Oconto River basin station locations and low-flow characteristics.



Station number	Stream name	Station location	Drainage area (mi <sup>2</sup> )	Date	Discharge (ft <sup>3</sup> /s)	Q <sub>7,2</sub> (ft <sup>3</sup> /s)	Q <sub>7,10</sub> (ft <sup>3</sup> /s)	Accuracy level
05	North Branch Oconto River	NW¼SW¼ sec. 8, T. 34 N., R. 15 E., Forest County, at bridge on County Trunk H, at Wabeno, Wis.	30.2	Aug. 1, 1972	13.4	7.5	4.5	c
				Oct. 19, 1972	22.2			
				June 26, 1973	29.5			
				Aug. 30, 1973	27.2			
				Oct. 1, 1974	29.0			
				July 9, 1975	13.7			
				Aug. 5, 1975	8.89			
				Sept. 1, 1976	12.8			

Table 16. Oconto River basin station locations and low-flow characteristics—Continued.

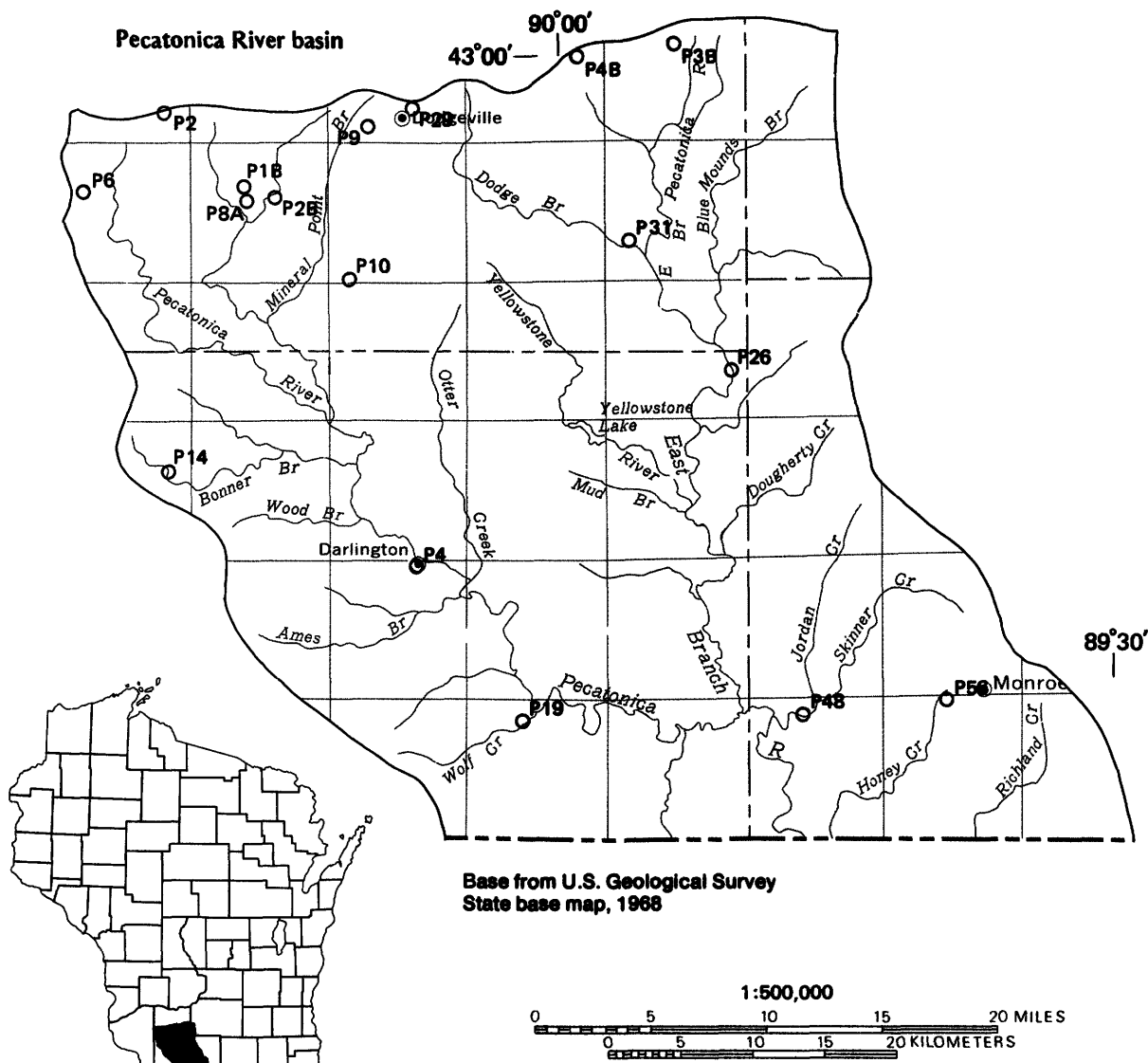
Station number	Stream name	Station location	Drainage area (mi <sup>2</sup> )	Date	Discharge (ft <sup>3</sup> /s)	Q <sub>7,2</sub> (ft <sup>3</sup> /s)	Q <sub>7,10</sub> (ft <sup>3</sup> /s)	Accuracy level
O6, 7	Christie Brook	NE¼NW¼ sec. 22, T. 28 N., R. 18 E., Oconto County, at culvert on State Highway 22, at Gillett, Wis.	7.45	Oct. 1, 1974 July 7, 1975 Aug. 4, 1975 Aug. 30, 1976 Oct. 12, 1976	1.33 1.65 .50 .23 .31	0.41	0.17	c
O8	Little River tributary	SE¼SE¼ sec. 27, T. 29 N., R. 20 E., Oconto County, at sewage-treatment plant, at Lena, Wis.	1.36	Aug. 3, 1972 Aug. 28, 1973	2 <sub>0</sub> 2 <sub>0</sub>	0	0	c
	Little River tributary	NE¼SE¼ sec. 26, T. 29 N., R. 20 E., Oconto County, at culvert on U.S. Highway 141, at Lena, Wis.	1.63	Aug. 3, 1972 Oct. 18, 1972 June 25, 1973 Aug. 28, 1973 Sept. 30, 1974 July 10, 1975 Aug. 7, 1975 Aug. 30, 1976	4 <sub>0</sub> 4 <sub>0</sub> 1.56 .02 .85 .67 .45 .25	0	0	c
O1A	Dalton Creek	SE¼SE¼ sec. 2, T. 31 N., R. 14 E., Langlade County, at culvert on road to fish hatchery, 1.5 mi east of Langlade, Wis.	10.6	Oct. 1, 1974 July 9, 1975 Aug. 6, 1975 Aug. 30, 1976 Oct. 12, 1976	6.79 3.58 5.53 1.44 4.16	2.7	1.4	c
O2A	McCaslin Brook	SW¼NE¼ sec. 33, T. 33 N., R. 16 E., Oconto County, at bridge on County Trunk F, 1.2 mi west of Lakewood, Wis.	58.8	Oct. 1, 1974 July 9, 1975 Aug. 6, 1975 Aug. 30, 1976 Oct. 12, 1976	25.3 18.1 15.5 12.0 13.2	14	9.8	c

<sup>1</sup>Based on 1969 report by Wisconsin Department of Natural Resources (DNR). Site lettered "A" was not included in 1969 DNR report.

<sup>2</sup>Streambed is dry.

<sup>4</sup>Negligible discharge—water ponded, unable to measure velocity.

Table 17. Pecatonica River basin station locations and low-flow characteristics.



Station <sup>1</sup> number	Stream name	Station location	Drainage area (mi <sup>2</sup> )	Date	Discharge (ft <sup>3</sup> /s)	Q <sub>7,2</sub> (ft <sup>3</sup> /s)	Q <sub>7,10</sub> (ft <sup>3</sup> /s)	Accuracy level
P2	Pecatonica River	NE¼SE¼ sec. 26, T. 6 N., R. 1 E., Iowa County, at bridge on County Trunk G, at Cobb, Wis.	1.40	June 2, 1972 Aug. 10, 1972 July 31, 1973 Oct. 10, 1975 July 27, 1976 Sept. 15, 1976	0.40 .58 .96 .51 .26 .19	0.22	0.11	c
P4	Pecatonica River	SW¼NE¼ sec. 3, T. 2 N., R. 3 E., Lafayette County, at State Highway 23, at Darlington, Wis.	273			58	35	a
P6	Pecatonica River tributary	SE¼SW¼ sec. 5, T. 5 N., R. 1 E., Iowa County, at town road, 2.6 mi northeast of Livingston, Wis.	4.32	June 2, 1972 Aug. 10, 1972 Aug. 3, 1973 Oct. 10, 1975 July 27, 1976 Sept. 15, 1976	1.35 1.92 3.15 1.97 .95 .80	.86	.49	c

Table 17. Pecatonica River basin station locations and low-flow characteristics—Continued.

Station number	Stream name	Station location	Drainage area (mi <sup>2</sup> )	Date	Discharge (ft <sup>3</sup> /s)	Q <sub>7,2</sub> (ft <sup>3</sup> /s)	Q <sub>7,10</sub> (ft <sup>3</sup> /s)	Accuracy level
P8A	East Pecatonica River tributary	NW¼NW¼ sec. 16, T. 5 N., R. 2 E., Iowa County, at bridge on State Highway 39, in Linden, Wis.	2.79	June 2, 1972 Aug. 10, 1972 July 31, 1973 Oct. 10, 1975 July 27, 1976 Sept. 15, 1976	.84 .75 2.54 1.30 .56 .51	0.54	0.28	c
	East Pecatonica River tributary	SW¼NW¼ sec. 16, T. 5 N., R. 2 E., Iowa County, at sewage-treatment plant, in Linden, Wis.	3.11					
P9	Pedlar Creek	SW¼SE¼ sec. 26, T. 6 N., R. 2 E., Iowa County, at bridge on town road, 4.6 mi west of Dodgeville, Wis.	1.46	June 2, 1972 Aug. 10, 1972 July 31, 1973 Oct. 10, 1975 July 27, 1976 Sept. 15, 1976	.44 1.72 1.64 1.21 .54 .40	.48	.27	c
	Pedlar Creek	SE¼NW¼ sec. 35, T. 6 N., R. 2 E., Iowa County, at sewage-treatment plant, 4.8 mi west of Dodgeville, Wis.	1.67					
P10	Brewery Creek	SW¼NE¼ sec. 6, T. 4 N., R. 3 E., Iowa County, at bridge on town road, in Mineral Point, Wis.	6.74	June 2, 1972 Aug. 10, 1972 July 31, 1973 Oct. 9, 1975 July 27, 1976 Sept. 14, 1976 June 23, 1977	1.93 1.53 4.83 2.57 1.35 1.06 .83	1.2	.68	c
	Brewery Creek	SW¼NE¼ sec. 6, T. 4 N., R. 3 E., Iowa County, at bridge on town road, in Mineral Point, Wis.	6.79					
P14	Bonner Branch	SE¼NE¼ sec. 14, T. 3 N., R. 1 E., Lafayette County, at bridge on County Trunk G, in Belmont, Wis.	5.62	Aug. 10, 1972 June 28, 1973 Aug. 2, 1973 Oct. 9, 1975 Sept. 14, 1976	2.77 6.17 3.52 1.98 .98	1.2	.74	c
P19	Wolf Creek	NW¼NE¼ sec. 9, T. 1 N., R. 4 E., Lafayette County, at State Highway 11, at Gratiot, Wis.	27.6	Sept. 17, 1969 June 1, 1972 Aug. 1, 1972 Aug. 1, 1973 Oct. 8, 1975 Sept. 14, 1976	11.1 16.3 12.5 26.9 10.7 6.20	6.4	3.5	c
	Wolf Creek	SE¼SE¼ sec. 4, T. 1 N., R. 4 E., Lafayette County, at sewage-treatment plant, at Gratiot, Wis.	28.3					
P26	East Branch Pecatonica River	SE¼SE¼ sec. 26, T. 4 N., R. 5 E., Lafayette County, at State Highway 78, 1.8 mi south of Blanchardville, Wis.	221			62	46	a
P29	Dodge Branch	SE¼SE¼ sec. 27, T. 6 N., R. 3 E., Iowa County, at sewage-treatment plant, at Dodgeville, Wis.	1.05	June 2, 1972 Aug. 10, 1972 July 31, 1973 Sept. 26, 1974 Nov. 19, 1974 Oct. 9, 1975 July 27, 1976 Sept. 14, 1976	2.25 0 .09 .70 .43 .13 .05 .05	.02	<.01	c

Table 17. Pecatonica River basin station locations and low-flow characteristics—Continued.

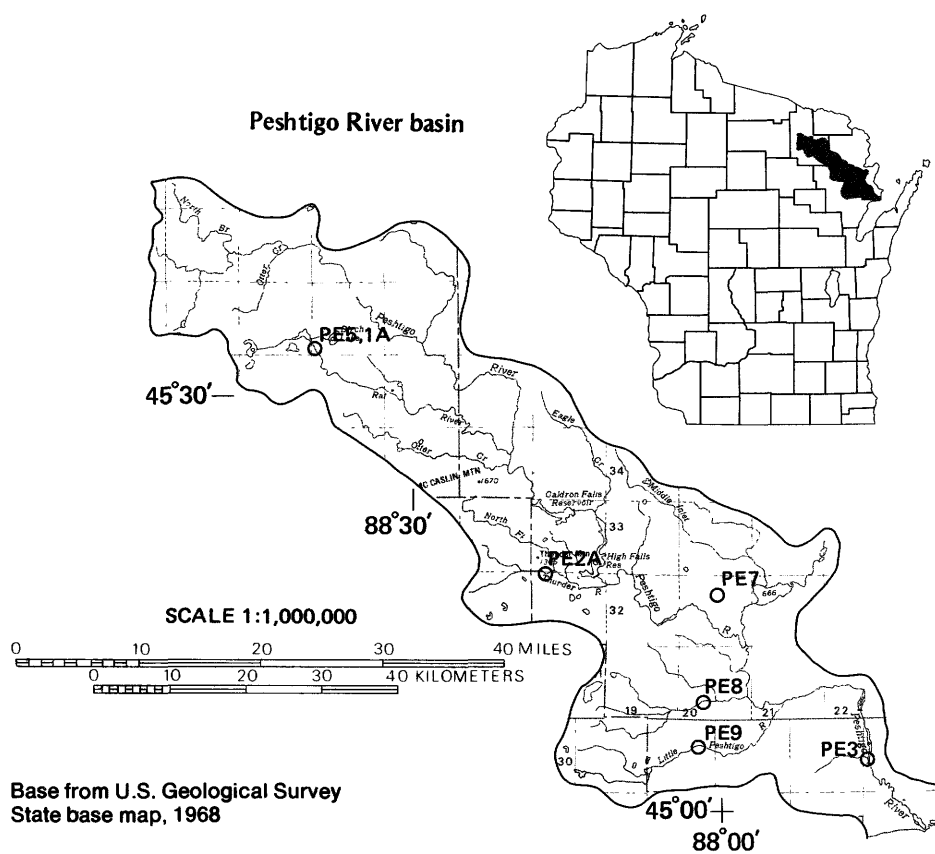
Station <sup>1</sup> number	Stream name	Station location	Drainage area (mi <sup>2</sup> )	Date	Discharge (ft <sup>3</sup> /s)	Q <sub>7,2</sub> (ft <sup>3</sup> /s)	Q <sub>7,10</sub> (ft <sup>3</sup> /s)	Accuracy level
P31	Dodge Branch	SE¼NE¼ sec. 30, T. 5 N., R. 5 E., Iowa County, at State Highway 191, at Hollandale, Wis.	66.0	June 2, 1972 Aug. 10, 1972 July 31, 1973 Oct. 8, 1975 July 27, 1976 Sept. 15, 1976	<sup>3</sup> 29.3 21.7 54.9 27.5 20.3 18.2	16	11	b
	Dodge Branch	NE¼SW¼ sec. 29, T. 5 N., R. 5 E., Iowa County, at sewage-treatment plant, at Hollandale, Wis.	67.0					
P48	Skinner Creek	SE¼SE¼ sec. 5, T. 1 N., R. 6 E., Green County, at bridge on County Trunk MM, 0.4 mi west of Browntown, Wis.	71.0	Oct. 8, 1975 July 27, 1976 Sept. 13, 1976 June 23, 1977	23.5 19.0 15.0 15.1	15	11	c
P56	Honey Creek	SW¼SE¼ sec. 33, T. 2 N., R. 7 E., Green County, just upstream from sewage-disposal plant outlet, 1.7 mi west of Monroe, Wis.	4.74	July 10, 1968 Oct. 21, 1968 June 1, 1972 Aug. 1, 1972 Aug. 1, 1973 Oct. 7, 1975 July 27, 1976 Sept. 13, 1976	2.78 2.63 2.85 2.76 3.97 1.98 2.40 1.92	1.9	1.5	c
P1B	East Branch Pecatonica River tributary	NE¼SW¼ sec. 9, T. 5 N., R. 2 E., Iowa County, at culvert on private road, 0.6 mi east of Linden, Wis.	2.03	Oct. 10, 1975 July 27, 1976 Sept. 15, 1976 June 23, 1977	.88 .36 .33 .14	.33	.15	c
P2B	Pedler Creek	NW¼SW¼ sec. 15, T. 5 N., R. 2 E., Iowa County, at bridge on State Highway 39, 1.4 mi southeast of Linden, Wis.	13.6	Oct. 10, 1975 July 27, 1976 Sept. 15, 1976 June 23, 1977	5.42 2.81 2.31 2.20	2.9	1.7	c
P3B	East Branch Pecatonica River	NW¼NE¼ sec. 22, T. 6 N., R. 5 E., Iowa County, at culvert on private road, 2.1 mi southeast of Barneveld, Wis.	3.99	July 27, 1976 Sept. 15, 1976 June 21, 1977	1.11 1.20 .81	.90	.62	c
P4B	Ridgeway Branch	NW¼SE¼ sec. 14, T. 6 N., R. 4 E., Iowa County, 200 ft upstream from bridge on private road just upstream from tributary, 0.9 mi southeast of Ridgeway, Wis.	.74	Oct. 9, 1975 July 27, 1976 Sept. 15, 1976	<sup>2</sup> 0 20 20	0	0	c

<sup>1</sup>Based on 1971 report by Wisconsin Department of Natural Resources (DNR). Sita lettered "B" was not included in 1971 DNR report.

<sup>2</sup>Streambed is dry.

<sup>3</sup>Additional discharge measurements are available.

Table 18. Peshtigo River basin station locations and low-flow characteristics.



Station number	Stream name	Station location	Drainage area (mi <sup>2</sup> )	Date	Discharge (ft <sup>3</sup> /s)	Q <sub>7,2</sub> (ft <sup>3</sup> /s)	Q <sub>7,10</sub> (ft <sup>3</sup> /s)	Accuracy level
PE3	Peshtigo River	NE¼NE¼ sec. 30, T. 30 N., R. 23 E., Marinette County, on left bank, 75 ft downstream from railroad bridge, 0.5 mi downstream from WPSC powerplant in Peshtigo, 11.5 mi upstream from mouth.	1,120			296	211	a
PE5, 1A	Rat River	SW¼NW¼ sec. 31, T. 36 N., R. 15 E., Forest County, at culverts on County Trunk H, at Laona, Wis.	33.8	Aug. 1, 1972 June 26, 1973 Aug. 30, 1973 Oct. 1, 1974 July 9, 1975 Aug. 4, 1975 Sept. 1, 1976 Oct. 13, 1976	19.1 48.3 50.0 23.4 22.6 18.8 21.6 17.3	13	7.6	c
	Rat River	NE¼NW¼ sec. 6, T. 35 N., R. 15 E., Forest County, just downstream from confluence with Swanson Creek, 1.0 mi south of Laona, Wis.	38.0					
PE7	Smith Creek	SW¼SE¼ sec. 10, T. 32 N., R. 20 E., Marinette County, at bridge on U.S. Highway 141, 1.7 mi northeast of Crivitz, Wis.	10.6	June 28, 1973 Aug. 29, 1973 Oct. 3, 1974 July 9, 1975 Aug. 7, 1975 Sept. 2, 1976	9.44 5.78 5.04 7.26 2.63 3.50	2.9	2.2	c

Table 18. Peshtigo River basin station locations and low-flow characteristics—Continued.

Station number <sup>1</sup>	Stream name	Station location	Drainage area (mi <sup>2</sup> )	Date	Discharge (ft <sup>3</sup> /s)	Q <sub>7,2</sub> (ft <sup>3</sup> /s)	Q <sub>7,10</sub> (ft <sup>3</sup> /s)	Accuracy level
PE8	South Branch Beaver Creek	SW¼NE¼ sec. 28, T. 31 N., R. 20 E., Marinette County, at bridge on U.S. Highway 141, 0.5 mi south of Beaver, Wis.	53.9	Aug. 4, 1972 Aug. 28, 1973 June 26, 1974 Sept. 30, 1974 July 10, 1975 Aug. 7, 1975 Sept. 3, 1976	<sup>3</sup> 24.3 19.5 27.6 34.4 41.4 16.6 19.3	15	11	b
	South Branch Beaver Creek tributary	NE¼NW¼ sec. 2, T. 30 N., R. 20 E., Marinette County, at sewage-treatment plant, 0.9 mi north of Pound, Wis.	2.41	Aug. 4, 1972 Aug. 28, 1973	<sup>2</sup> 0 <sup>2</sup> 0	0	0	c
PE9	Little Peshtigo River	NE¼NW¼ sec. 14, T. 30 N., R. 20 E., Marinette County, at bridge on U.S. Highway 141, 0.8 mi north of Coleman, Wis.	43.8	Aug. 3, 1972 June 28, 1973 Aug. 28, 1973 Sept. 30, 1974 July 9, 1975 Aug. 7, 1975 Sept. 3, 1976	9.97 67.7 12.5 10.9 12.1 4.22 2.12	3.6	2.1	c
	South Fork Thunder River	SW¼NW¼ sec. 5, T. 32 N., R. 18 E., Marinette County, just upstream from falls at Thunder River Fish Hatchery, 11.5 mi northeast of Mountain, Wis.	20.7	July 10, 1975 Aug. 6, 1975 Sept. 2, 1976 Oct. 13, 1976 July 25, 1977	11.8 7.17 9.58 6.82 10.5	7.6	5.8	c

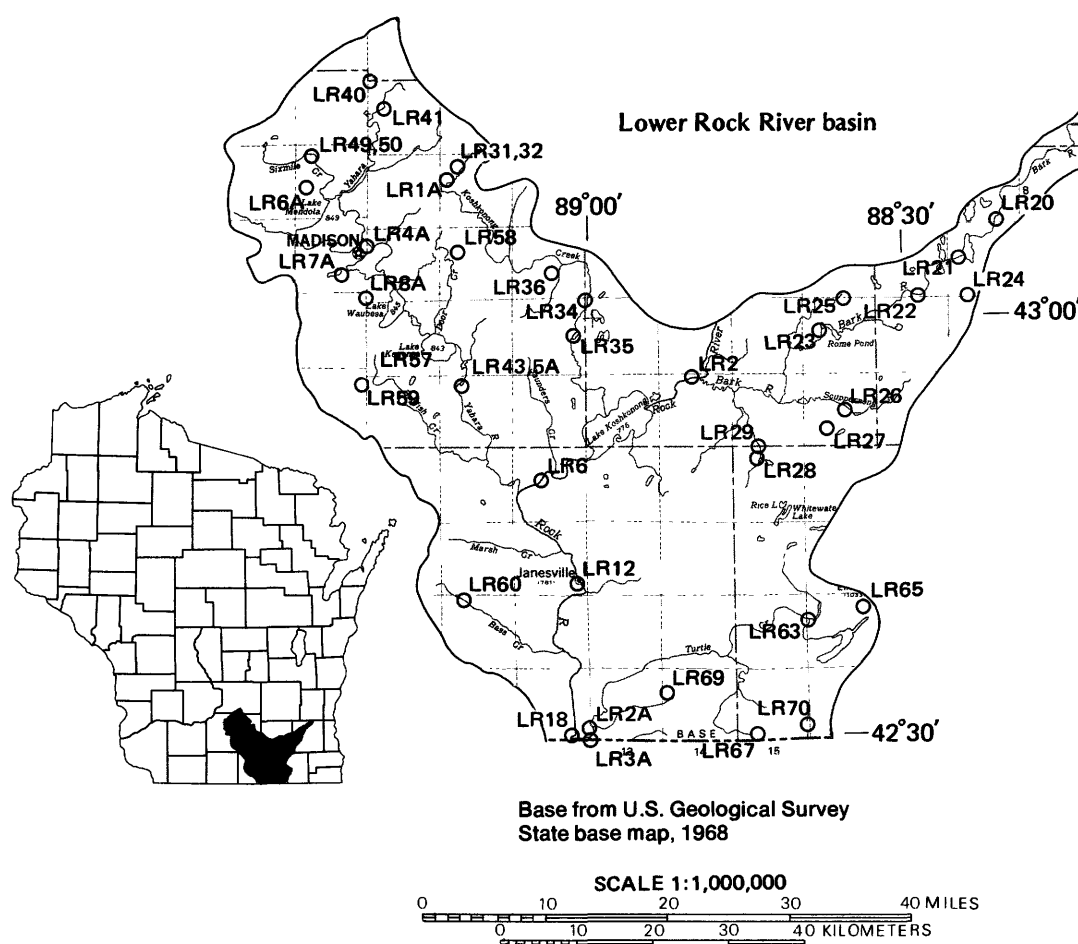
<sup>1</sup>Based on 1969 report by Wisconsin Department of Natural Resources (DNR). Site lettered "A" was not included in 1969 DNR report.

<sup>2</sup>Streambed is dry.

<sup>3</sup>Additional discharge measurements are available.



Table 19. Lower Rock River basin station locations and low-flow characteristics.



Station number	Stream name	Station location	Drainage area (mi <sup>2</sup> )	Date	Discharge (ft <sup>3</sup> /s)	Q <sub>7.2</sub> (ft <sup>3</sup> /s)	Q <sub>7.10</sub> (ft <sup>3</sup> /s)	Accuracy level
LR2	Rock River	SW¼NW¼ sec. 3, T. 5 N., R. 14 E., Jefferson County, at U.S. Highway 12, at Fort Atkinson, Wis.	2,190	Oct. 27, 1966 Nov. 29, 1972 Sept. 24, 1975 June 29, 1977 Sept. 8, 1977	146 1,115 579 202 387	160	44	c
LR12	Rock River	NW¼NE¼ sec. 1, T. 2 N., R. 12 E., Rock County, at bridge on Jackson Street, at Janesville, Wis.	3,310	Sept. 30, 1975 June 29, 1977 Sept. 8, 1977	960 278 947	6	6	
LR18	Rock River	SW¼SE¼ sec. 35, T. 1 N., R. 12 E., Rock County, at sewage-treatment plant, in Beloit, Wis.	3,463	Sept. 22, 1975 June 28, 1977 Sept. 28, 1977	787 622 997	6	6	
LR20	Bark River	NE¼SE¼ sec. 3, T. 7 N., R. 18 E., Waukesha County, at bridge on County Trunk E, 0.7 mi south of Hartland, Wis.	32.4	June 2, 1972 July 23, 1973 Nov. 7, 1973 Sept. 23, 1975 Aug. 15, 1978	18.0 23.9 27.6 25.2 19.6	7	7	
LR21	Bark River	SW¼SW¼ sec. 17, T. 7 N., R. 18 E., Waukesha County, at dam on outlet of Nagawicka Lake, in Delafield, Wis.	44.9	June 2, 1972 Nov. 29, 1972 July 23, 1973 Nov. 7, 1973 Sept. 23, 1975 Aug. 15, 1978	18.2 6.89 21.2 91.2 20.3 17.2	7	7	

Table 19. Lower Rock River basin station locations and low-flow characteristics—Continued.

Station number	Stream name	Station location	Drainage area (mi <sup>2</sup> )	Date	Discharge (ft <sup>3</sup> /s)	Q <sub>7,2</sub> (ft <sup>3</sup> /s)	Q <sub>7,10</sub> (ft <sup>3</sup> /s)	Accuracy level
LR22	Bark River	SE¼SW¼ sec. 34, T. 7 N., R. 17 E., Waukesha County, at bridge on County Trunk Z, 0.4 mi north of Dousman, Wis.	56.8	June 2, 1972 July 23, 1973 Aug. 15, 1973 Nov. 7, 1973 Sept. 23, 1975 Aug. 15, 1978	19.7 32.1 31.4 32.7 28.6 30.3	<u>7</u>	<u>7</u>	
LR23	Bark River	NW¼SE¼ sec. 17, T. 6 N., R. 16 E., Jefferson County, at bridge on State Highway 135, at Rome, Wis.	114	Nov. 28, 1972 June 27, 1977 Sept. 8, 1977 Aug. 15, 1978	102 13.0 31.8 42.8	13	4.1	c
LR24	Scuppernong Creek	SE¼SE¼ sec. 32, T. 7 N., R. 18 E., Waukesha County, at culvert on private road, 1.1 mi northwest of Wales, Wis.	2.28	June 2, 1972 July 23, 1973 Nov. 7, 1973 Sept. 23, 1975	.70 1.75 1.36 .91	.18	.09	c
LR25	Duck Creek	SE¼NE¼ sec. 27, T. 7 N., R. 16 E., Jefferson County, at bridge on State Highway 135, 1.9 mi north of Sullivan, Wis.	7.44	June 2, 1972 July 23, 1973 Oct. 17, 1973 Nov. 7, 1973 Sept. 23, 1975	1.24 .30 .40 .86 .26	.09	.02	c
LR26	Scuppernong River	NE¼NE¼ sec. 22, T. 5 N., R. 16 E., Jefferson County, at bridge at County Trunk E, at Palmyra sewage-treatment plant.	29.4	June 2, 1972 July 23, 1973 Nov. 7, 1973 Sept. 23, 1975	13.2 19.6 22.3 13.7	6.8	3.4	c
LR27	Spring Creek	SW¼SW¼ sec. 20, T. 5 N., R. 16 E., Jefferson County, at bridge on State Highway 59, 5.6 mi northeast of Whitewater, Wis.	10.1	Oct. 18, 1973 Sept. 23, 1975 June 27, 1977 Sept. 8, 1977	15.2 12.7 8.47 9.59	9.1	7.8	c
LR28	Whitewater Creek	SW¼SE¼ sec. 4, T. 4 N., R. 15 E., Walworth County, on town road, at Whitewater, Wis.	24.1	June 27, 1977 Sept. 8, 1977 Aug. 16, 1978	8.05 10.7 19.2	10	7.7	c
LR29	Whitewater Creek	NW¼NW¼ sec. 4, T. 4 N., R. 15 E., Walworth County, at bridge on private road on county line, 0.6 mi north of post office, at Whitewater, Wis.	42.7	Nov. 2, 1965 Sept. 25, 1971 June 2, 1972 July 25, 1973 Aug. 9, 1973 Nov. 6, 1973 Sept. 17, 1975 June 27, 1977 Sept. 8, 1977	33.2 14.3 20.4 27.4 25.3 34.1 25.0 11.5 16.5	13	10	c
LR31, 32	Koshkonong Creek	NW¼NE¼ sec. 8, T. 8 N., R. 11 E., Dane County, at sewage-treatment plant, at Sun Prairie, Wis.	3.06	June 1, 1972 July 23, 1973 Nov. 5, 1973 Sept. 26, 1976	.25 .54 .13 .09	.05	.01	c
LR34	Koshkonong Creek	NW¼NE¼ sec. 12, T. 6 N., R. 12 E., Dane County, at bridge on U.S. Highway 12, at Cambridge, Wis.	134	June 2, 1972 July 24, 1973 Nov. 5, 1973 Sept. 24, 1975	23.2 37.7 45.1 26.8	15	8.4	c
LR35	Koshkonong Creek	SW¼NW¼ sec. 24, T. 6 N., R. 12 E., Dane County, at sewage-treatment plant, in Rockdale, just downstream from dam on Rockdale Millpond.	146	June 2, 1972 July 24, 1973 Nov. 5, 1973 Sept. 24, 1975	27.6 38.2 49.0 35.2	17	9.2	c
LR36	Mud Creek tributary	SW¼SW¼ sec. 22, T. 7 N., R. 12 E., Dane County, at sewage-treatment plant, at Deerfield, Wis.	.10	Sept. 24, 1975	<0	0	0	c
	Mud Creek tributary	NW¼SW¼ sec. 22, T. 7 N., R. 12 E., Dane County, 0.2 mi downstream from Deerfield sewage-treatment plant outfall.	.64	June 2, 1972 July 24, 1973 Nov. 5, 1973 June 24, 1974	.43 .20 .66 .43	<u>5</u>	<u>5</u>	

Table 19. Lower Rock River basin station locations and low-flow characteristics—Continued.

Station number <sup>1</sup>	Stream name	Station location	Drainage area (mi <sup>2</sup> )	Date	Discharge (ft <sup>3</sup> /s)	Q <sub>7,2</sub> (ft <sup>3</sup> /s)	Q <sub>7,10</sub> (ft <sup>3</sup> /s)	Accuracy level
LR40	Yahara River tributary	NW¼SE¼ sec. 1, T. 9 N., R. 9 E., Dane County, at sewage-disposal pond, 0.9 mi northwest of Morrisonville, Wis.	18.7	June 1, 1972 July 23, 1973 Nov. 5, 1973 Sept. 25, 1975	20 20 20 20	0	0	c
LR41	Yahara River	NW¼NW¼ sec. 17, T. 9 N., R. 10 E., Dane County, at bridge on County Trunk CV, at DeForest, Wis.	39.2	June 1, 1972 July 23, 1973 Nov. 5, 1973 Sept. 25, 1975	4.03 10.8 13.5 7.36	2.6	1.6	c
LR43, 5A	Yahara River	SE¼NE¼ sec. 8, T. 5 N., R. 11 E., Dane County, at sewage-treatment plant, at Stoughton, Wis.	410	June 2, 1972 July 26, 1973 Nov. 8, 1973 Sept. 23, 1975 Aug. 14, 1978	120 196 283 195 170	35	15	c
LR49, 50	Sixmile Creek	SW¼NE¼ sec. 8, T. 8 N., R. 9 E., Dane County, at sewage-treatment plant, at Waunakee, Wis.	38.3	June 1, 1972 July 23, 1973 Nov. 5, 1973 Sept. 25, 1975	2.91 9.89 13.5 8.01	.60	.23	c
LR58	Door Creek tributary	SW¼NE¼ sec. 17, T. 7 N., R. 11 E., Dane County, just upstream from sewage-disposal ponds, 0.8 mi west of Cottage Grove, Wis.	2.73	June 1, 1972 July 24, 1973 Nov. 5, 1973 Sept. 26, 1975	.74 .74 1.59 .63	.31	.13	c
LR59	Oregon Branch	NW¼NE¼ sec. 12, T. 5 N., R. 9 E., Dane County, at sewage-treatment plant, at Oregon, Wis.	11.1	June 2, 1972 July 23, 1973 Nov. 8, 1973 Sept. 26, 1975	<.05 est. .14 .17 .17	.01	<.01	c
LR60	Bass Creek	NW¼SW¼ sec. 4, T. 2 N., R. 11 E., Rock County, at bridge on State Highway 11, 0.7 mi south of Footville, Wis.	14.0	Aug. 14, 1968 Oct. 21, 1968 June 1, 1972 July 23, 1973 Nov. 8, 1973 Sept. 24, 1975 July 27, 1976	5.61 6.16 6.95 7.88 8.26 6.07 5.42	4.2	3.3	c
LR63	Turtle Creek	NW¼NW¼ sec. 18, T. 2 N., R. 16 E., Walworth County, at Delavan sewage-treatment plant.	83.3	Nov. 1, 1965 June 2, 1972 July 25, 1973 Aug. 9, 1973 Nov. 6, 1973 Sept. 22, 1975	62.3 15.3 25.1 35.9 70.8 17.6	6.9	4.2	c
LR65	Jackson Creek	NW¼SW¼ sec. 7, T. 2 N., R. 17 E., Walworth County, at bridge on State Highway 67, 1.7 mi south of Elkhorn, Wis.	9.69	Aug. 14, 1968 Oct. 17, 1968 June 2, 1972 July 25, 1973 Aug. 9, 1973 Nov. 6, 1973 Sept. 22, 1975	1.15 .62 .83 1.26 2.41 2.47 .67	.41	.27	c
	Jackson Creek tributary	SW¼SW¼ sec. 6, T. 2 N., R. 17 E., Walworth County, at State Highway 67, 0.9 mi south of Elkhorn, Wis.	2.00					
LR67	Little Turtle Creek	NW¼SE¼ sec. 32, T. 1 N., R. 15 E., Walworth County, at sewage-treatment plant, 1.0 mi west of Sharon, Wis.	1.83	June 2, 1972 July 25, 1973 Nov. 6, 1973 Sept. 22, 1975	.05 est. .18 .44 .02	<.01	<.01	c
LR69	Spring Brook	SW¼SW¼ sec. 18, T. 1 N., R. 14 E., Rock County, at culvert on Clinton Corners Road, 1.7 mi southwest of Clinton, Wis.	2.79	June 2, 1972 July 25, 1973 Nov. 6, 1973 Sept. 22, 1975	.70 1.22 1.46 .62	.30	.20	c
LR70	Piscasaw Creek	SE¼SE¼ sec. 25, T. 1 N., R. 15 E., Walworth County, at bridge on County Trunk B, 3.3 mi east of Sharon, Wis.	11.2	June 2, 1972 June 26, 1972 July 25, 1973 Nov. 6, 1973 Sept. 22, 1975	3.64 3.59 8.12 5.06 4.48	1.9	1.3	c

Table 19. Lower Rock River basin station locations and low-flow characteristics—Continued.

Station number <sup>1</sup>	Stream name	Station location	Drainage area (mi <sup>2</sup> )	Date	Discharge (ft <sup>3</sup> /s)	Q <sub>7,2</sub> (ft <sup>3</sup> /s)	Q <sub>7,10</sub> (ft <sup>3</sup> /s)	Accuracy level
LR1A	Koshkonong Creek	NW¼SW¼ sec. 18, T. 8 N., R. 11 E., Dane County, 2.7 mi downstream from sewage-treatment plant, at Sun Prairie, Wis.	7.16	Sept. 25, 1975 June 27, 1977 Sept. 7, 1977	2.68 2.24 3.36	2.0	1.1	c
LR2A	Turtle Creek	SW¼NW¼ sec. 30, T. 1 N., R. 13 E., Rock County, 0.9 mi upstream from White Avenue Road, at Beloit, Wis.	233	Sept. 22, 1975 June 28, 1977 Sept. 8, 1977 Aug. 14, 1978	91.5 27.9 34.6 91.0	33	23	c
LR3A	Spring Brook	NE¼NW¼ sec. 32, T. 1 N., R. 13 E., Rock County, at private road bridge, 2.6 mi northeast of post office in Beloit, Wis.	9.66	Sept. 22, 1975 June 28, 1977 Sept. 8, 1977 Aug. 14, 1978	2.25 .28 .08 2.22	.12	.04	c
LR4A	Yahara River	NW¼NW¼ sec. 7, T. 7 N., R. 10 E., Dane County, at Main Street bridge, 1.5 mi northeast of capitol, at Madison, Wis.	235	Sept. 14, 1975 Oct. 19, 1975 Nov. 15, 1975 Dec. 14, 1975	<sup>3</sup> 116 12.7 68.4 225	<u>6</u>	<u>6</u>	
LR6A	Spring Creek	NE¼NW¼ sec. 30, T. 8 N., R. 9 E., Dane County, at culvert at County Trunk Q, 3.4 mi southwest of Waunakee, Wis.	9.95	Sept. 25, 1975 June 27, 1977 Sept. 7, 1977 Aug. 14, 1978	3.80 .76 1.54 1.90	.75	.48	c
LR7A	Murphy Creek	SW¼SE¼ sec. 26, T. 7 N., R. 9 E., Dane County, at Beld Street, in Madison, Wis.	8.03			0	0	a
LR8A	Nine Springs Creek tributary	NW¼NE¼ sec. 10, T. 6 N., R. 9 E., Dane County, at outlat from Nevin fish hatchery, 4.4 mi southwest of capitol, at Madison, Wis.	.12	Oct. 23, 1972 Jan. 18, 1974 July 19, 1974 Feb. 28, 1975 June 26, 1975 Sept. 2, 1975 Oct. 15, 1975	<sup>3</sup> 2.87 2.42 2.66 1.92 2.39 2.13 2.43	1.5	1.1	c

<sup>1</sup>Based on 1971 report by Wisconsin Department of Natural Resources (DNR). Site lettered "A" was not included in 1971 DNR report.

<sup>2</sup>Streambed is dry.

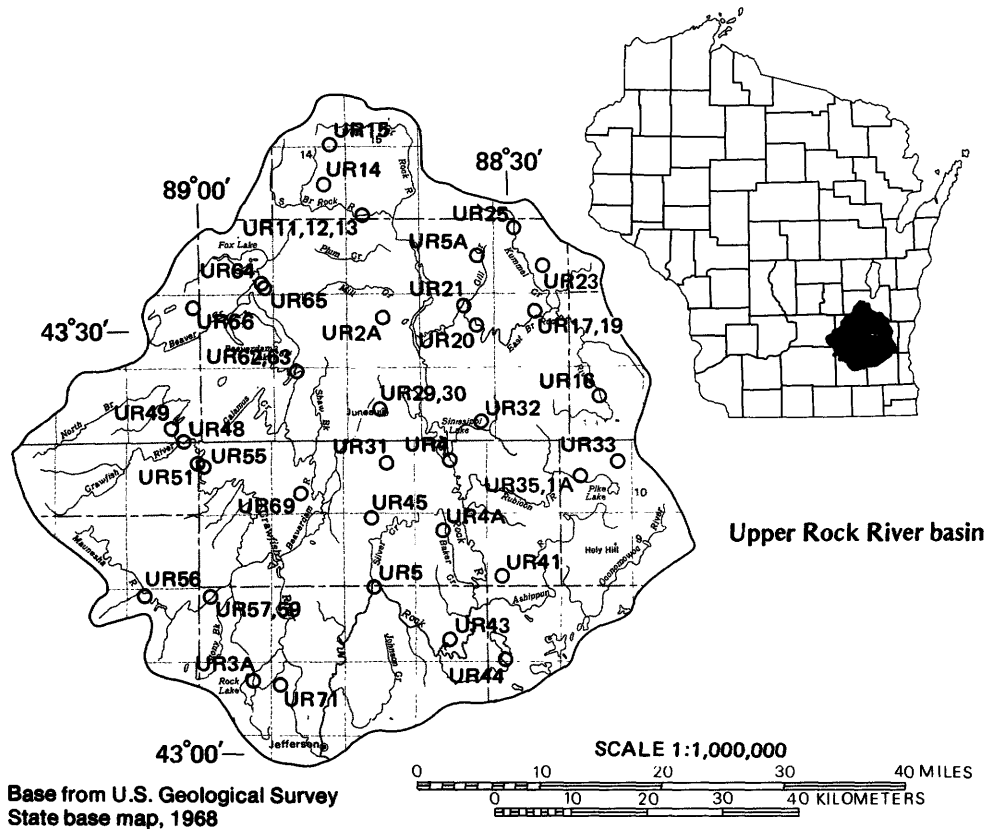
<sup>3</sup>Additional discharge measurements are available.

<sup>5</sup>No estimate possible—discharge is primarily effluent.

<sup>6</sup>No estimate possible due to regulation upstream.

<sup>7</sup>Unable to define relationship.

Table 20. Upper Rock River basin station locations and low-flow characteristics.



Station number	Stream name	Station location	Drainage area (mi <sup>2</sup> )	Date	Discharge (ft <sup>3</sup> /s)	Q <sub>7,2</sub> (ft <sup>3</sup> /s)	Q <sub>7,10</sub> (ft <sup>3</sup> /s)	Accuracy level
UR4	Rock River	NW¼SW¼ sec. 10, T. 10 N., R. 16 E., Dodge County, 1,000 ft downstream from dam, downstream from Wildcat Creek, at Hustisford, Wis.	554	Aug. 15, 1967 Sept. 10, 1972 July 8, 1973 Sept. 13, 1973 Sept. 25, 1975 July 22, 1976 Nov. 12, 1976	1.45 88.4 142 1.61 3.19 6.65 .91	6	6	
	Rock River	NW¼NW¼ sec. 15, T. 10 N., R. 16 E., Dodge County, at Hustisford sewage-treatment plant, 0.6 mi southeast of Hustisford, Wis.	554					
UR5	Rock River	NE¼SW¼ sec. 4, T. 8 N., R. 15 E., Jefferson County, 700 ft downstream from Milwaukee Street bridge, at Watertown, Wis.	969			26	5.3	a
UR13, 11, 12	South Branch Rock River	SW¼NW¼ sec. 33, T. 14 N., R. 15 E., Fond du Lac County, 100 ft upstream from U.S. Highway 151, 0.8 mi northeast of Waupun, Wis.	68.6	June 1, 1972 July 17, 1973 Sept. 11, 1973 Sept. 24, 1975 July 21, 1976 Nov. 10, 1976 July 11, 1977	<sup>3</sup> 12.2 12.2 3.99 3.30 3.06 .70 .44	.60	.06	a
UR14	South Branch Rock River tributary	SE¼SE¼ sec. 23, T. 14 N., R. 14 E., Fond du Lac County, at culvert on County Trunk E, 1.1 mi southeast of Alto, Wis.	1.12	Sept. 24, 1975 July 21, 1976 Nov. 10, 1976 July 11, 1977	.56 .32 .36 <.01	<.01	<.01	c

Table 20. Upper Rock River basin station locations and low-flow characteristics—Continued.

Station number <sup>1</sup>	Stream name	Station location	Drainage area (mi <sup>2</sup> )	Date	Discharge (ft <sup>3</sup> /s)	Q <sub>7,2</sub> (ft <sup>3</sup> /s)	Q <sub>7,10</sub> (ft <sup>3</sup> /s)	Accuracy level
UR15	South Branch Rock River tributary	SW¼SW¼ sec. 36, T. 15 N., R. 14 E., Fond du Lac County, at bridge on County Trunk JJ, 1.0 mi south of Brandon, Wis.	1.23	June 1, 1972 July 17, 1973 Sept. 11, 1973 Sept. 24, 1975 July 21, 1976	.73 .32 .13 .20 .30	0.01	<0.01	c
UR16	East Branch Rock River	SW¼SW¼ sec. 15, T. 11 N., R. 18 E., Washington County, at County Trunk W, 0.3 mi south of Allenton, Wis.	28.1	Aug. 15, 1967 June 1, 1972 July 19, 1973 Sept. 12, 1973 Sept. 26, 1975 July 22, 1976 Nov. 12, 1976	2.95 4.63 5.17 7.44 7.36 5.05 5.99	2.3	1.3	c
UR17, 19	East Branch Rock River	NE¼SW¼ sec. 10, T. 12 N., R. 17 E., Dodge County, just downstream from dam, at Theresa, Wis.	140	June 1, 1972 July 18, 1973 Sept. 12, 1973 Sept. 26, 1975 July 22, 1976 Nov. 11, 1976	37.3 36.7 29.5 3.84 17.4 5.50	<u>6</u>	<u>6</u>	
UR20, 21	East Branch Rock River	NE¼SE¼ sec. 14, T. 12 N., R. 16 E., Dodge County, at bridge on County Trunk V, at Mayville, Wis.	173	Sept. 26, 1975 July 22, 1976 Nov. 11, 1976 July 11, 1977	6.49 14.9 3.32 9.04	<u>6</u>	<u>6</u>	
	East Branch Rock River	SW¼NE¼ sec. 14, T. 12 N., R. 16 E., Dodge County, at sewage-treatment plant, at Mayville, Wis.	173					
	East Branch Rock River	NW¼NE¼ sec. 10, T. 12 N., R. 16 E., Dodge County, 500 ft downstream from Kekoskee dam, 2.0 mi northwest of Mayville, Wis.	181			5.8	1.6	a
UR23	East Branch Rock River tributary	SE¼NE¼ sec. 27, T. 13 N., R. 17 E., Dodge County, at culvert on country road, 1.5 mi south of Lomira, Wis.	3.70	June 1, 1972 July 18, 1973 Sept. 12, 1973 Sept. 26, 1975 July 22, 1976 Nov. 11, 1976	1.56 1.87 1.10 .80 .69 .57	.42	.22	c
UR25	Kummel Creek	SW¼NE¼ sec. 8, T. 13 N., R. 17 E., Dodge County, just upstream from sewage-treatment plant, at Brownsville, Wis.	13.1	June 1, 1972 July 18, 1973 Sept. 12, 1973 Sept. 26, 1975 July 22, 1976	2.08 5.21 1.29 .59 1.11	.13	.02	c
UR29	Dead Creek	NW¼NW¼ sec. 27, T. 11 N., R. 15 E., Dodge County, at Juneau sewage-treatment plant at south edge of city, about 0.3 mi south of State Highway 115 bridge.	.58	June 1, 1972 July 18, 1973 Sept. 13, 1975 Sept. 24, 1975 July 23, 1976 Nov. 9, 1976	.70 1.36 .89 .96 .95 1.27	<u>5</u>	<u>5</u>	
UR30	Dead Creek	SW¼SW¼ sec. 22, T. 11 N., R. 15 E., Dodge County, just upstream from Milbrew, Inc., at Juneau, Wis.	.46	Sept. 24, 1975 July 23, 1976 Nov. 9, 1976	2 20 20	0	0	c
UR31	Dead Creek tributary	NE¼SW¼ sec. 15, T. 10 N., R. 15 E., Dodge County, at sewage-disposal ponds, 1.5 mi northeast of Clyman, Wis.	4.23					
	Dead Creek tributary	NW¼NE¼ sec. 15, T. 10 N., R. 15 E., Dodge County, at culvert on State Highway 60, 2.2 mi northeast of Clyman, Wis.	5.30	July 18, 1973 Sept. 13, 1973 Sept. 25, 1975 July 22, 1976 Nov. 9, 1976	2.14 20 2.04 20 20	0	0	c

Table 20. Upper Rock River basin station locations and low-flow characteristics—Continued.

Station number <sup>1</sup>	Stream name	Station location	Drainage area (mi <sup>2</sup> )	Date	Discharge (ft <sup>3</sup> /s)	Q <sub>7,2</sub> (ft <sup>3</sup> /s)	Q <sub>7,10</sub> (ft <sup>3</sup> /s)	Accuracy level
UR32	Wildcat Creek	SE¼SE¼ sec. 26, T. 11 N., R. 16 E., Dodge County, at town road bridge about 1.1 mi southwest of Iron Ridge, Wis.	21.0	June 1, 1972 July 18, 1973 Sept. 12, 1973 Sept. 25, 1975 July 22, 1976 Nov. 12, 1976	3.89 1.39 .85 1.68 .63 .37	0.21	0.03	c
UR33	Rubicon River	NW¼SE¼ sec. 13, T. 10 N., R. 18 E., Washington County, at culvert on Hartford Road, 1.1 mi west of Slinger, Wis.	5.24	June 1, 1972 July 19, 1973 Aug. 15, 1973 Sept. 26, 1975 July 22, 1976 Nov. 12, 1976	1.06 .60 .37 .44 .18 .14	.08	.01	c
	Rubicon River	SE¼SW¼ sec. 13, T. 10 N., R. 18 E., Washington County, just downstream from confluence with intermittent tributary from sewage-disposal plant, 1.3 mi west of Slinger, Wis.	6.21					
UR35, 1A	Rubicon River	SE¼NW¼ sec. 20, T. 10 N., R. 18 E., Washington County, at sewage-treatment plant outfall, at west city limits of Hartford, Wis.	27.8	June 1, 1972 Oct. 4, 1972 July 19, 1973 Aug. 15, 1973 Sept. 26, 1975 July 22, 1976 Nov. 12, 1976	4.16 8.68 3.11 3.08 2.20 2.84 6.22	1.8	1.1	c
UR41	Davy Creek	NE¼NE¼ sec. 31, T. 9 N., R. 17 E., Dodge County, at culvert on Lincoln Road, at Ashippun, Wis.	5.79	July 21, 1976 Oct. 4, 1976 July 12, 1977	4 40 40	0	0	c
UR43	Tributary to Rock River tributary	SW¼SW¼ sec. 22, T. 8 N., R. 16 E., Jefferson County, at sewage-treatment plant, in Ixonia, Wis.	.75	Nov. 7, 1973 Sept. 29, 1975 July 21, 1976 Oct. 4, 1976	.03 2.02 20 20	0	0	c
UR44	Oconomowoc River	NE¼NW¼ sec. 5, T. 7 N., R. 17 E., Waukesha County, at bridge on County Trunk BB, just south of Oconomowoc, Wis.	100	June 2, 1972 Sept. 10, 1972 July 19, 1973 Aug. 15, 1973 Sept. 26, 1975 July 21, 1976 Oct. 4, 1976	5.60 75.0 11.5 29.8 35.7 11.7 6.10	1.2	.18	c
	Oconomowoc River	SW¼NE¼ sec. 5, T. 7 N., R. 17 E., Waukesha County, 1,400 ft downstream from County Trunk BB, at sewage-treatment plant outfall.	101					
UR45	Clyman Creek	SW¼SE¼ sec. 4, T. 9 N., R. 15 E., Dodge County, at culvert on County Trunk JM, 3.0 mi south of Clyman, Wis.	2.38	Sept. 25, 1975 July 22, 1976 Nov. 9, 1976 July 12, 1977	1.08 .08 .08 .02	.02	<.01	c
UR48	Crawfish River	SW¼NW¼ sec. 2, T. 10 N., R. 12 E., Columbia County, at bridge on U.S. Highway 16, 1.6 mi south of Fall River, Wis.	54.2	Aug. 15, 1967 June 2, 1972 Sept. 10, 1972 July 17, 1973 Sept. 11, 1973 Sept. 23, 1975 July 23, 1976 Nov. 9, 1976	6.76 14.2 17.2 20.9 19.6 13.3 10.3 7.69	4.3	1.2	c

Table 20. Upper Rock River basin station locations and low-flow characteristics—Continued.

Station number	Stream name	Station location	Drainage area (mi <sup>2</sup> )	Date	Discharge (ft <sup>3</sup> /s)	Q <sub>7,2</sub> (ft <sup>3</sup> /s)	Q <sub>7,10</sub> (ft <sup>3</sup> /s)	Accuracy level
UR49	North Branch Crawfish River	SE¼SE¼ sec. 27, T. 11 N., R. 12 E., Columbia County, at County Trunk D, at Fall River, Wis.	76.2	June 2, 1972 Sept. 10, 1972 July 17, 1973 Sept. 11, 1973 Sept. 23, 1975 July 23, 1976 Nov. 9, 1976	8.34 19.5 14.4 12.1 2.82 1.35 2.59	0.40	0.02	c
	North Branch Crawfish River	SE¼NE¼ sec. 34, T. 11 N., R. 12 E., Columbia County, at sewage-treatment plant, 0.4 mi south of Fall River, Wis.	77.7					
UR51	Crawfish River	NE¼SE¼ sec. 13, T. 10 N., R. 12 E., Columbia County, at bridge on U.S. Highway 16, 0.3 mi southeast of Columbus, Wis.	164	June 2, 1972 Sept. 10, 1972 July 17, 1973 Sept. 11, 1973 Sept. 23, 1975 July 23, 1976 Nov. 9, 1976	26.1 44.8 34.2 34.2 19.5 14.3 17.1	7.4	2.0	c
	Crawfish River	NW¼NW¼ sec. 19, T. 10 N., R. 13 E., Dodge County, at sewage-treatment plant, 0.8 mi downstream from U.S. Highway 16 bridge, 1.0 mi southeast of Columbus, Wis.	167					
UR55	Crawfish River tributary	NW¼SW¼ sec. 18, T. 10 N., R. 13 E., Dodge County, at culvert on State Highway 60, at Columbus, Wis.	1.89	Sept. 23, 1975 July 23, 1976 Nov. 9, 1976	.03 .08 .32	<u>5</u>	<u>5</u>	
UR56	Mauneshia River	NW¼NE¼ sec. 15, T. 8 N., R. 12 E., Dane County, at sewage-treatment plant, at Marshall, Wis.	70.6	June 2, 1972 Sept. 10, 1972 July 19, 1973 Sept. 11, 1973 Sept. 22, 1975 July 22, 1976 Oct. 4, 1976	10.9 13.1 10.5 11.5 7.36 2.50 1.36	2.4	.62	c
UR57	Mauneshia River	NW¼NE¼ sec. 7, T. 8 N., R. 13 E., Jefferson County, at bridge on State Highway 19, at Waterloo, Wis.	90.8	Sept. 25, 1975 July 21, 1976 Oct. 4, 1976 July 12, 1977	11.4 3.75 4.33 2.94	4.2	1.3	c
UR59	Mauneshia River	NW¼SW¼ sec. 5, T. 8 N., R. 13 E., Jefferson County, at sewage-treatment plant outfall in Fireman Park, at Waterloo, Wis.	91.3	June 2, 1972 Sept. 10, 1972 July 18, 1973 Sept. 13, 1973 Sept. 22, 1975 July 23, 1976 Oct. 4, 1976	14.7 18.7 16.3 15.8 9.98 5.20 4.54	4.3	1.3	c
UR62, 63	Beaverdam River	NE¼SW¼ sec. 4, T. 11 N., R. 14 E., Dodge County, at bridge on Davis Street, in Beaver Dam, Wis.	157	Aug. 14, 1967 June 2, 1972 July 17, 1973 Sept. 11, 1973 Sept. 23, 1975 July 21, 1976 Nov. 10, 1976	26.0 20.1 3.42 13.0 13.9 .81 .24	<u>6</u>	<u>6</u>	
UR64	Tributary to Beaverdam tributary	NE¼NE¼ sec. 35, T. 13 N., R. 13 E., Dodge County, at culvert on Trenton Street, at Fox Lake, Wis.	.27	Sept. 23, 1975 July 21, 1976 Nov. 10, 1976 July 11, 1977	.33 .25 .29 .16	.17	.06	c
UR65	Beaverdam River tributary	SE¼NE¼ sec. 35, T. 13 N., R. 13 E., Dodge County, at sewage-treatment plant, 0.1 mi downstream from Chicago, Milwaukee, St. Paul, and Pacific Railroad, in Fox Lake, Wis.	1.28	June 1, 1972 July 17, 1973 Sept. 11, 1973 Sept. 23, 1975 July 21, 1976 Nov. 10, 1976	.32 .46 .37 .26 .26 .13	.12	.05	c



Table 20. Upper Rock River basin station locations and low-flow characteristics—Continued.

Station <sup>1</sup> number	Stream name	Station location	Drainage area (mi <sup>2</sup> )	Date	Discharge (ft <sup>3</sup> /s)	Q <sub>7,2</sub> (ft <sup>3</sup> /s)	Q <sub>7,10</sub> (ft <sup>3</sup> /s)	Accuracy level
UR66	Beaver Creek tributary	SW¼SW¼ sec. 13, T. 12 N., R. 12 E., Columbia County, at bridge on County Trunk G, 2.4 mi southwest of Randolph, Wis.	4.58	June 1, 1972	1.00	0.12	0.03	c
				July 17, 1973	.74			
				Sept. 11, 1973	.43			
				Sept. 23, 1975	.27			
				July 21, 1976	.26			
				Nov. 10, 1976	.17			
UR69	Beaverdam River tributary	NW¼SE¼ sec. 28, T. 10 N., R. 14 E., Dodge County, at bridge on County Trunk J, 0.2 mi east of Reeseville, Wis.	3.51	June 2, 1972	.18	0	0	c
				July 18, 1973	.10			
				Sept. 13, 1973	.01			
				Sept. 23, 1975	.12			
				July 21, 1976	≤.01			
				Nov. 9, 1976	.20			
UR71	Rock Creek	NW¼NE¼ sec. 13, T. 7 N., R. 13 E., Jefferson County, at County Trunk B, in Lake Mills, Wis.	15.7	June 1, 1972	1.12	7	7	
				Sept. 10, 1972	1.22			
				July 19, 1973	7.24			
				Sept. 13, 1973	1.08			
				Sept. 22, 1975	2.62			
				July 21, 1976	1.09			
				Oct. 4, 1976	1.10			
	Rock Creek	SE¼SE¼ sec. 12, T. 7 N., R. 13 E., Jefferson County, at sewage- treatment plant, 0.8 mi east of Lake Mills, Wis.	16.0					
UR2A	Spring Brook	SE¼NE¼ sec. 15, T. 12 N., R. 15 E., Dodge County, at culvert on Burnett Ditch Road, 1.1 mi north- east of Burnett, Wis.	8.72	Sept. 24, 1975	2.67	1.0	.25	c
				Nov. 11, 1976	1.22			
				July 11, 1977	.86			
UR3A	Rock Creek	NW¼NW¼ sec. 13, T. 7 N., R. 13 E., Jefferson County, at State Highway 89, in Lake Mills, Wis.	15.0	Oct. 17, 1973	.62	.22	.13	c
				Sept. 22, 1975	.34			
				July 21, 1976	.23			
				Oct. 4, 1976	.18			
				July 12, 1977	.22			
UR4A	Baker Creek	NE¼SW¼ sec. 9, T. 9 N., R. 16 E., Dodge County, just upstream of tributary upstream of County Trunk MM, 1.0 mi east of Lebanon, Wis.	8.63	Sept. 26, 1975	4.51	0	0	c
				July 21, 1976	.20			
				Nov. 12, 1976	.20			
				July 12, 1977	.20			
UR5A	Gill Creek	SW¼NW¼ sec. 24, T. 13 N., R. 16 E., Dodge County, 0.15 mi downstream from Dairy Road, 1.1 mi northeast of Leroy, Wis.	6.16	Sept. 26, 1975	.70	.43	.25	c
				July 22, 1976	.80			
				Nov. 11, 1976	.49			
				July 11, 1977	.37			

<sup>1</sup> Based on 1969 report by Wisconsin Department of Natural Resources (DNR). Site lettered "A" was not included in 1969 DNR report.

<sup>2</sup> Streambed is dry.

<sup>3</sup> Additional discharge measurements are available.

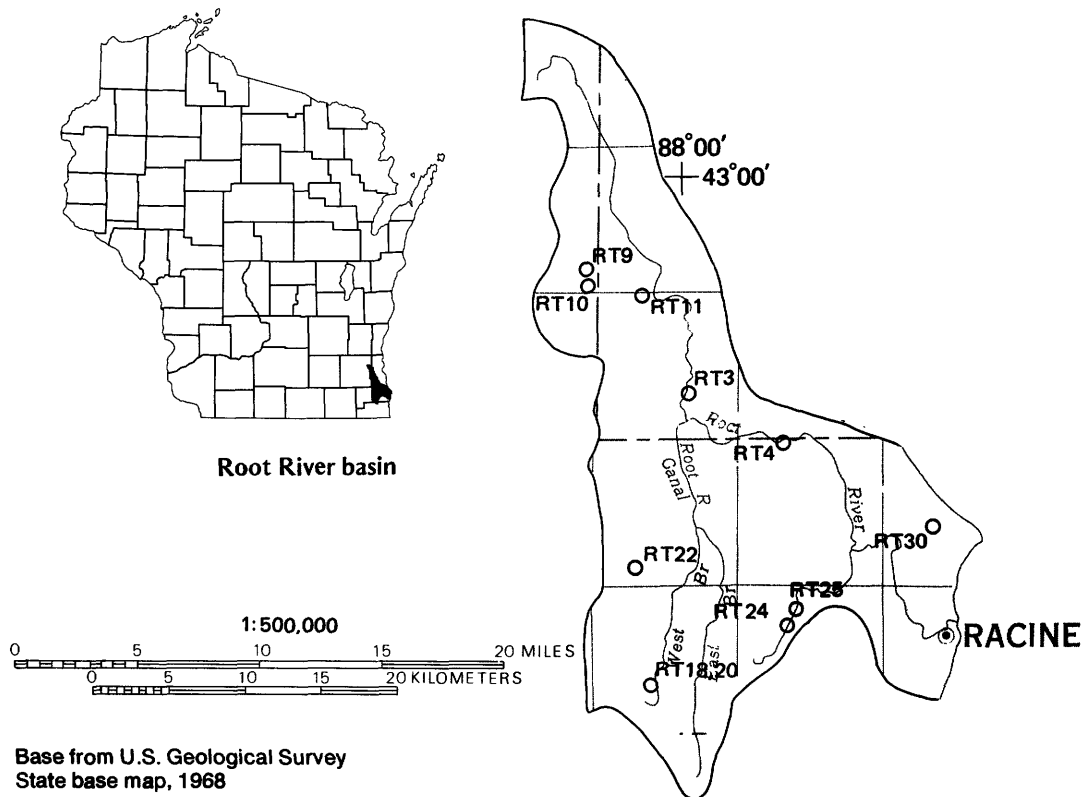
<sup>4</sup> Negligible discharge—water ponded, unable to measure velocity.

<sup>5</sup> No estimate possible—discharge is primarily effluent.

<sup>6</sup> No estimate possible due to regulation upstream.

<sup>7</sup> Unable to define relationship.

**Table 21. Root River basin station locations and low-flow characteristics.**



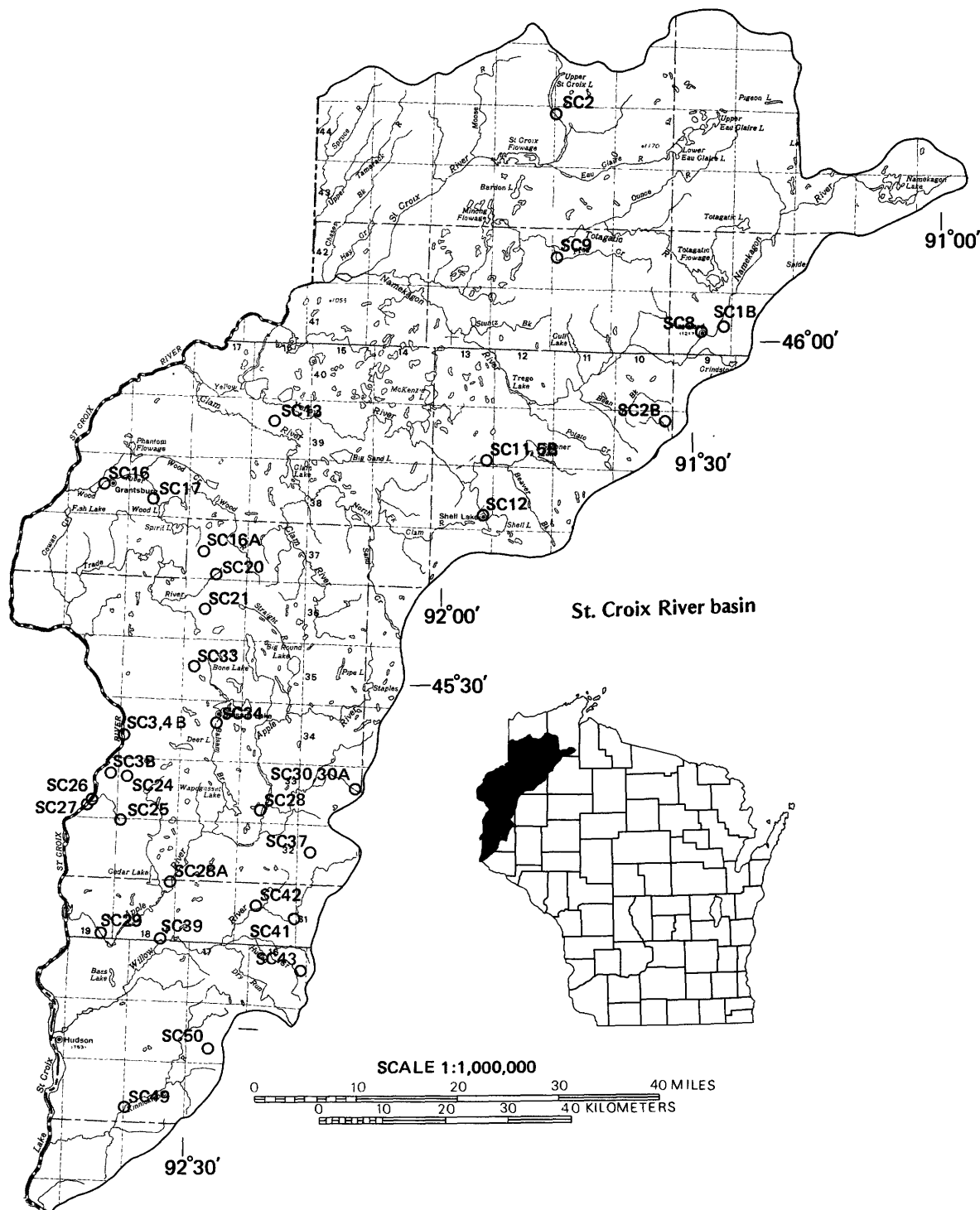
Station <sup>1</sup> number	Stream name	Station location	Drainage area (mi <sup>2</sup> )	Date	Discharge (ft <sup>3</sup> /s)	Q <sub>7,2</sub> (ft <sup>3</sup> /s)	Q <sub>7,10</sub> (ft <sup>3</sup> /s)	Accuracy level
RT3	Root River	SE¼SE¼ sec. 22, T. 5 N., R. 21 E., Milwaukee County, 400 ft upstream from State Highway 100, 2.4 mi southeast of Franklin, Wis.	47.2			3.6	1.6	a
RT4	Root River	NE¼NE¼ sec. 5, T. 4 N., R. 22 E., Racine County, at bridge on State Highway 38, 2.5 mi north of Caledonia, Wis.	150	July 25, 1972 June 12, 1973 Aug. 13, 1973 Sept. 18, 1975	39.6 64.8 8.56 4.63	4.1	1.7	c
	Root River	NW¼NE¼ sec. 4, T. 4 N., R. 22 E., Racine County, at sewage-treatment plant, 2.6 mi northeast of Caledonia, Wis.	150					
RT9	Tributary to Root River tributary	SW¼SE¼ sec. 35, T. 6 N., R. 20 E., Waukesha County, at bridge on County Trunk HH, 2.6 mi west of Hales Corners, Wis.	2.68	July 25, 1972 June 13, 1973 Aug. 13, 1973 Sept. 18, 1975 Oct. 4, 1976	.05 2.25 20 20 20	0	0	c
RT10	Tributary to Root River tributary	NW¼SE¼ sec. 2, T. 5 N., R. 20 E., Waukesha County, at bridge on State Highway 24, 2.5 mi northeast of Muskego, Wis.	3.07	July 25, 1972 June 13, 1973 Aug. 13, 1973 Sept. 18, 1975 Oct. 4, 1976	.10 .55 .04 .02 .02	.02	< .01	c
RT11	Tributary to Root River tributary	SE¼NW¼ sec. 7, T. 5 N., R. 21 E., Milwaukee County, at bridge on County Trunk J, 2.0 mi south of Hales Corners, Wis.	6.67	July 25, 1972 June 13, 1973 Aug. 13, 1973 Sept. 18, 1975 Oct. 4, 1976	.35 1.78 .11 .46 .28	.03	< .01	c

Table 21. Root River basin station locations and low-flow characteristics—Continued.

Station number <sup>1</sup>	Stream name	Station location	Drainage area (mi <sup>2</sup> )	Date	Discharge (ft <sup>3</sup> /s)	Q <sub>7,2</sub> (ft <sup>3</sup> /s)	Q <sub>7,10</sub> (ft <sup>3</sup> /s)	Accuracy level
RT18, 20	West Branch Root River Canal	NE¼SE¼ sec. 29, T. 3 N., R. 21 E., Racine County, at culvert on 67th Drive, 1.0 mi east of Union Grove, Wis.	3.94	July 24, 1972 June 12, 1973 Aug. 13, 1973 Sept. 18, 1975 Oct. 4, 1976	0.70 3.05 .38 .99 1.11	<u>7</u>	<u>7</u>	
RT22	West Branch Root River Canal tributary	SW¼SW¼ sec. 34, T. 4 N., R. 21 E., Racine County, at culvert on Twomile Road, 3.3 mi southeast of North Cape, Wis.	4.69	Sept. 18, 1975 Oct. 4, 1976 Sept. 6, 1978	.07 .10 .45	0.06	0.02	c
RT24	Hoods Creek	SW¼NE¼ sec. 17, T. 3 N., R. 22 E., Racine County, at bridge on State Highway 20, 2.1 mi northwest of Sturtevant, Wis.	3.38	July 24, 1972 June 12, 1973 Aug. 13, 1973 Sept. 18, 1975 Oct. 4, 1976	1.38 1.35 .01 .02 <sup>2</sup> 0	0	0	c
RT25	Hoods Creek	NW¼NW¼ sec. 9, T. 3 N., R. 22 E., Racine County, at bridge on County Trunk C, 2.9 mi north of Sturtevant, Wis.	8.84	Sept. 18, 1975 Oct. 4, 1976 Sept. 6, 1978	.05 <.01 3.04	<.01	<.01	c
RT30	Lake Michigan tributary	SE¼SE¼ sec. 21, T. 4 N., R. 23 E., Racine County, at culvert on road to sewage-treatment plant, 0.8 mi west of Wind Point, Wis.	1.03	July 24, 1972 June 12, 1973 Aug. 13, 1973 Sept. 18, 1975 Oct. 4, 1976	2.14 2.75 .43 .05 1.62	.08	.02	c

<sup>1</sup>Based on 1967 report by Wisconsin Department of Natural Resources.<sup>2</sup>Streambed is dry.<sup>7</sup>Unable to define relationship.

Table 22. St. Croix River basin station locations and low-flow characteristics.



Base from U.S. Geological Survey  
State base map, 1968

Table 22. St. Croix River basin station locations and low-flow characteristics—Continued.

Station number	Stream name	Station location	Drainage area (mi <sup>2</sup> )	Date	Discharge (ft <sup>3</sup> /s)	Q <sub>7,2</sub> (ft <sup>3</sup> /s)	Q <sub>7,10</sub> (ft <sup>3</sup> /s)	Accuracy level
SC2	St. Croix River	NW¼SE¼ sec. 7, T. 44 N., R. 11 W., Douglas County, at bridge on country road, 3.6 mi southeast of Solon Springs, Wis.	36.9	July 23, 1974 June 8, 1976 Aug. 4, 1976 Sept. 29, 1976 Aug. 24, 1977	11.5 16.7 10.3 17.0 21.7	15	11	c
SC3, 4B	St. Croix River	SW¼NW¼ sec. 30, T. 34 N., R. 18 W., Polk County, on left bank 0.3 mi downstream from powerplant, at St. Croix Falls, Wis.	5,930			1,490	1,080	a
SC8	Namekagon River	NE¼SE¼ sec. 28, T. 41 N., R. 9 W., Sawyer County, at ranger station, 0.8 mi southwest of U.S. Highway 63 and State Highway 27 in Hayward, Wis.	231	May 22, 1973 Sept. 19, 1973 Oct. 17, 1973 July 23, 1974 Aug. 12, 1975 June 8, 1976 Sept. 30, 1976	282 203 304 107 156 179 128	130	100	c
SC9	Frog Creek	NE¼NW¼ sec. 19, T. 42 N., R. 11 W., Washburn County, at bridge on country road, 1.8 mi northeast of Minong, Wis.	46.1	Aug. 22, 1967 Aug. 21, 1969 Aug. 25, 1970 May 21, 1971 Oct. 13, 1971 May 22, 1973 Sept. 20, 1973 June 26, 1974 July 23, 1974 Aug. 12, 1975 June 8, 1976	4.99 3.83 2.05 26.1 16.6 26.2 6.60 12.3 16.9 2.96 3.88	3.1	1.4	c
SC11, 5B	Yellow River	SW¼SE¼ sec. 36, T. 39 N., R. 13 W., Washburn County, at sewage-treatment pond, 1.3 mi west of Spooner, Wis.	77.9					
	Yellow River	NE¼SE¼ sec. 35, T. 39 N., R. 13 W., Washburn County, at Tozer Lake Road, 2.0 mi west of Spooner, Wis.	81.9	Aug. 16, 1972 May 21, 1973 Sept. 25, 1973 July 24, 1974 Aug. 11, 1975 June 9, 1976	46.0 54.6 70.0 48.0 33.2 30.9	33	27	c
SC12	Sawyer Creek	SW¼NW¼ sec. 25, T. 38 N., R. 13 W., Washburn County, at sewage-disposal plant, at Shell Lake, Wis.	26.2					
	Sawyer Creek	NW¼NE¼ sec. 14, T. 38 N., R. 13 W., Washburn County, at culvert on country road, 2.8 mi north of Shell Lake, Wis.	33.7	Aug. 16, 1972 May 21, 1973 Sept. 25, 1973 July 24, 1974 Aug. 11, 1975 June 9, 1976	8.69 7.56 6.68 6.51 5.29 4.10	4.3	3.2	c
SC13	Clam River tributary	SE¼NW¼ sec. 16, T. 39 N., R. 16 W., Burnett County, at sewage-stabilization pond, 0.5 mi southeast of Webster, Wis.	.47					
	Clam River tributary	SW¼SE¼ sec. 16, T. 39 N., R. 16 W., Burnett County, at culvert on Bass Lake Road, 1.2 mi southeast of Webster, Wis.	1.54	Aug. 16, 1972 May 24, 1973 Sept. 25, 1973 July 25, 1974 July 30, 1975 June 9, 1976	.30 1.87 4.65 4.0 0 <.01	0	0	c
SC16	Wood River	SE¼SW¼ sec. 15, T. 38 N., R. 19 W., Burnett County, at bridge on State Highway 70, 1.3 mi west of Grantsburg, Wis.	163	May 23, 1973 Sept. 25, 1973 Oct. 17, 1973 July 25, 1974 July 30, 1975 June 9, 1976	96.8 59.1 130 42.1 40.6 37.5	34	25	c

Table 22. St. Croix River basin station locations and low-flow characteristics—Continued.

Station number	Stream name	Station location	Drainage area (mi <sup>2</sup> )	Date	Discharge (ft <sup>3</sup> /s)	Q <sub>7,2</sub> (ft <sup>3</sup> /s)	Q <sub>7,10</sub> (ft <sup>3</sup> /s)	Accuracy level
SC16A	Wood River tributary	SW¼SE¼ sec. 20, T. 37 N., R. 17 W., Polk County, at culvert on County Trunk W, 1.9 mi northwest of Frederic, Wis.	1.78	July 23, 1974 Aug. 5, 1976 Sept. 28, 1976	0.72 .33 .37	0.46	0.25	c
SC17	Wood River	NE¼NE¼ sec. 28, T. 38 N., R. 18 W., Burnett County, at culvert on country road, 1.2 mi southwest of Alpha, Wis.	72.7	July 23, 1974 Aug. 5, 1976 Sept. 28, 1976	23.1 16.2 14.9	18	12	c
SC20	Trade River tributary	SW¼NW¼ sec. 34, T. 37 N., R. 17 W., Polk County, at culvert on State Highways 35 and 48, 0.6 mi south of Frederic, Wis.	1.56	Aug. 15, 1972 May 23, 1973 Sept. 25, 1973 July 23, 1974 July 30, 1975 June 10, 1976	.17 .08 .02 .01 <.01 .04	<.01	<.01	c
SC21	Trade River tributary	NW¼SW¼ sec. 28, T. 36 N., R. 17 W., Polk County, at sewage-treatment plant, at Luck, Wis.	.08					
	Trade River tributary	NW¼NW¼ sec. 21, T. 36 N., R. 17 W., Polk County, at culvert on country road, 1.7 mi north of Luck, Wis.	2.13	Aug. 15, 1972 May 24, 1973 Sept. 25, 1973 July 23, 1974 July 30, 1975 June 9, 1976	1.04 8.31 .85 .39 .52 .56	.15	.05	c
SC24	St. Croix River tributary	SE¼SW¼ sec. 7, T. 33 N., R. 18 W., Polk County, just upstream from sewage-treatment plant, 0.4 mi west of Dresser, Wis.	4.95	Aug. 14, 1972 May 24, 1973 Sept. 25, 1973 July 24, 1974 July 29, 1975 June 9, 1976	.74 .30 .20 .23 2.06 20	0	0	c
SC25	Trout Brook	SE¼SE¼ sec. 36, T. 33 N., R. 19 W., Polk County, at culvert on town road, 3.0 mi southeast of Osceola, Wis.	6.16	July 24, 1974 July 29, 1975 June 9, 1976 Aug. 3, 1976 Sept. 28, 1976	.94 1.51 1.61 .78 1.21	.59	.24	c
SC26	Trout Brook	NE¼NE¼ sec. 27, T. 33 N., R. 19 W., Polk County, at bridge on County Trunk M, at Osceola, Wis.	15.7	July 24, 1974 June 9, 1976 Aug. 6, 1976 Sept. 28, 1976	4.51 5.26 3.39 3.38	2.4	1.0	c
SC27	St. Croix River tributary	NW¼SW¼ sec. 27, T. 33 N., R. 19 W., Polk County, just upstream from sewage-treatment plant, at Osceola, Wis.	.15	Aug. 14, 1972 May 24, 1973 Sept. 25, 1973 Oct. 18, 1973 July 24, 1974 July 29, 1975 June 9, 1976	20 1.15 .21 .10 .13 .06 .20 est.	.03	<.01	c
SC28	Apple River	NW¼SW¼ sec. 33, T. 33 N., R. 16 W., Polk County, just upstream from sewage-treatment plant, on town road, 0.1 mi southeast of junction of County Trunk F and State Highway 46, at Amery, Wis.	256	Aug. 14, 1972 May 29, 1973 July 24, 1974 July 29, 1975 June 10, 1976 Aug. 3, 1976 Sept. 28, 1976	238 459 94.8 112 90.2 60.5 75.1	49	23	c
SC28A	Apple River	SE¼SE¼ sec. 1, T. 31 N., R. 18 W., St. Croix County, at bridge on County Trunk HH, at Star Prairie, Wis.	422	July 24, 1974 July 29, 1975 June 9, 1976 Aug. 3, 1976 Sept. 28, 1976	169 210 194 119 151	100	53	c

Table 22. St. Croix River basin station locations and low-flow characteristics—Continued.

Station number <sup>1</sup>	Stream name	Station location	Drainage area (mi <sup>2</sup> )	Date	Discharge (ft <sup>3</sup> /s)	Q <sub>7,2</sub> (ft <sup>3</sup> /s)	Q <sub>7,10</sub> (ft <sup>3</sup> /s)	Accuracy level
SC29	Apple River	SE¼SE¼ sec. 35, T. 31 N., R. 19 W., St. Croix County, at bridge on State Highways 35 and 64, in Somerset, Wis.	550					
	Apple River	NE¼SE¼ sec. 21, T. 31 N., R. 19 W., St. Croix County, at powerplant of NSP Co., 3.1 mi northwest of Somerset, Wis.	555			142	77	a
SC30, 30A	South Branch Beaver Brook tributary	NW¼SW¼ sec. 11, T. 33 N., R. 15 W., Polk County, at culvert on country road, 2.2 mi northwest of Clayton, Wis.	2.73	Aug. 14, 1972 May 29, 1973 July 24, 1974 July 29, 1975 June 10, 1976 Aug. 3, 1976	2.06 2.08 4.48 0 .85 .21	.07	.01	c
SC33	Balsam Branch	NW¼SW¼ sec. 17, T. 35 N., R. 17 W., Polk County, at sewage-treatment plant, 0.5 mi south of Milltown, Wis.	2.68					
	Balsam Branch	SE¼SW¼ sec. 17, T. 35 N., R. 17 W., Polk County, at bridge on town road, 1.0 mi south of Milltown, Wis.	4.40	Aug. 15, 1972 May 24, 1973 July 23, 1974 July 30, 1975 June 9, 1976 Sept. 28, 1976	.60 .76 .31 .24 .66 .30	.17	.07	c
SC34	Balsam Branch	NE¼SE¼ sec. 10, T. 34 N., R. 17 W., Polk County, just upstream from sewage-treatment plant, at south side of Balsam Lake, Wis.	44.6	Aug. 15, 1972 May 24, 1973 July 23, 1974 July 30, 1975 June 10, 1976 Aug. 3, 1976	23.0 28.0 5.66 14.6 1.78 1.94	1.5	.36	c
SC37	Willow River tributary	SE¼NW¼ sec. 20, T. 32 N., R. 15 W., Polk County, at bridge on town road, at Clear Lake, Wis.	1.93	Aug. 14, 1972 May 29, 1973 Sept. 26, 1973 July 24, 1974 July 29, 1975 June 9, 1976	20 2.24 20 20 20 20	0	0	c
SC39	Willow River	SW¼SE¼ sec. 35, T. 31 N., R. 18 W., St. Croix County, just downstream from sewage-treatment plant, 0.9 mi west of New Richmond, Wis.	205	Aug. 17, 1972 May 24, 1973 Sept. 24, 1973 July 25, 1974 July 29, 1975 June 9, 1976	42.5 102 48.8 35.6 47.4 49.6	20	11	c
SC41	Willow River tributary	SW¼NW¼ sec. 30, T. 31 N., R. 15 W., St. Croix County, at bridge on U.S. Highway 63, 1.2 mi northwest of Forest, Wis.	7.42	July 24, 1974 July 28, 1975 June 8, 1976 Aug. 3, 1976 Sept. 27, 1976	40 40 40 40 40	0	0	c
SC42	Willow River	SW¼NW¼ sec. 16, T. 31 N., R. 16 W., St. Croix County, at bridge on country road, 1.5 mi southeast of Deer Park, Wis.	75.9	July 24, 1974 July 29, 1975 June 10, 1976 Aug. 3, 1976 Sept. 27, 1976	10.5 15.6 17.1 12.3 17.2	6.4	2.9	c
SC43	Hutton Creek tributary	NW¼SE¼ sec. 13, T. 30 N., R. 16 W., St. Croix County, at bridge on town road, at Emerald, Wis.	5.83	Aug. 17, 1972 May 24, 1973 Sept. 26, 1973 Oct. 18, 1973 July 24, 1974 July 29, 1975 June 8, 1976	40 4.88 40 20 20 20 20	0	0	c

Table 22. St. Croix River basin station locations and low-flow characteristics—Continued.

Station number <sup>1</sup>	Stream name	Station location	Drainage area (mi <sup>2</sup> )	Date	Discharge (ft <sup>3</sup> /s)	Q <sub>7,2</sub> (ft <sup>3</sup> /s)	Q <sub>7,10</sub> (ft <sup>3</sup> /s)	Accuracy level
SC49	Kinnickinnic River	NE¼NE¼ sec. 36, T. 28 N., R. 19 W., St. Croix County, at State Highway 35, 1.2 mi north of River Falls, Wis.	95.8	Aug. 20, 1969	32.4	26	18	c
				Aug. 17, 1972	43.3			
				May 24, 1973	57.2			
				Sept. 24, 1973	40.4			
				July 25, 1974	38.0			
				July 28, 1975	56.0			
				June 8, 1976	47.9			
	Kinnickinnic River	SE¼SE¼ sec. 2, T. 27 N., R. 19 W., Pierce County, at sewage-treatment plant, at River Falls, Wis.	117					
SC50	Kinnickinnic River tributary	NE¼NE¼ sec. 32, T. 29 N., R. 17 W., St. Croix County, at bridge on country road, 1.5 mi southwest of Hammond, Wis.	1.88	Aug. 16, 1972	20	0	0	c
				Oct. 18, 1973	20			
				July 29, 1975	20			
				June 8, 1976	20			
SC1B	Hatchery Creek	NE¼NE¼ sec. 26, T. 41 N., R. 9 W., Sawyer County, at culverts on country road, 1.6 mi east of Hayward, Wis.	2.53	Aug. 12, 1975	1.53	1.6	1.3	c
				June 8, 1976	1.75			
				Aug. 4, 1976	1.64			
				Sept. 30, 1976	1.64			
				Aug. 25, 1977	1.79			
SC2B	Godfrey Creek	NW¼NW¼ sec. 12, T. 39 N., R. 10 W., Washburn County, at culverts on Lake Road, 2.7 mi northwest of Stone Lake, Wis.	2.44	Aug. 11, 1975	.54	.61	.51	c
				June 8, 1976	.61			
				Aug. 5, 1976	.66			
				Sept. 30, 1976	.66			
				Aug. 25, 1977	.57			
SC3B	St. Croix River tributary	SW¼NE¼ sec. 14, T. 33 N., R. 19 W., Polk County, at road to fish hatchery, 2.1 mi northeast of Osceola, Wis.	0.38	June 9, 1976	4.33	2.1	.89	c
				Aug. 3, 1976	3.49			
				Sept. 28, 1976	4.35			

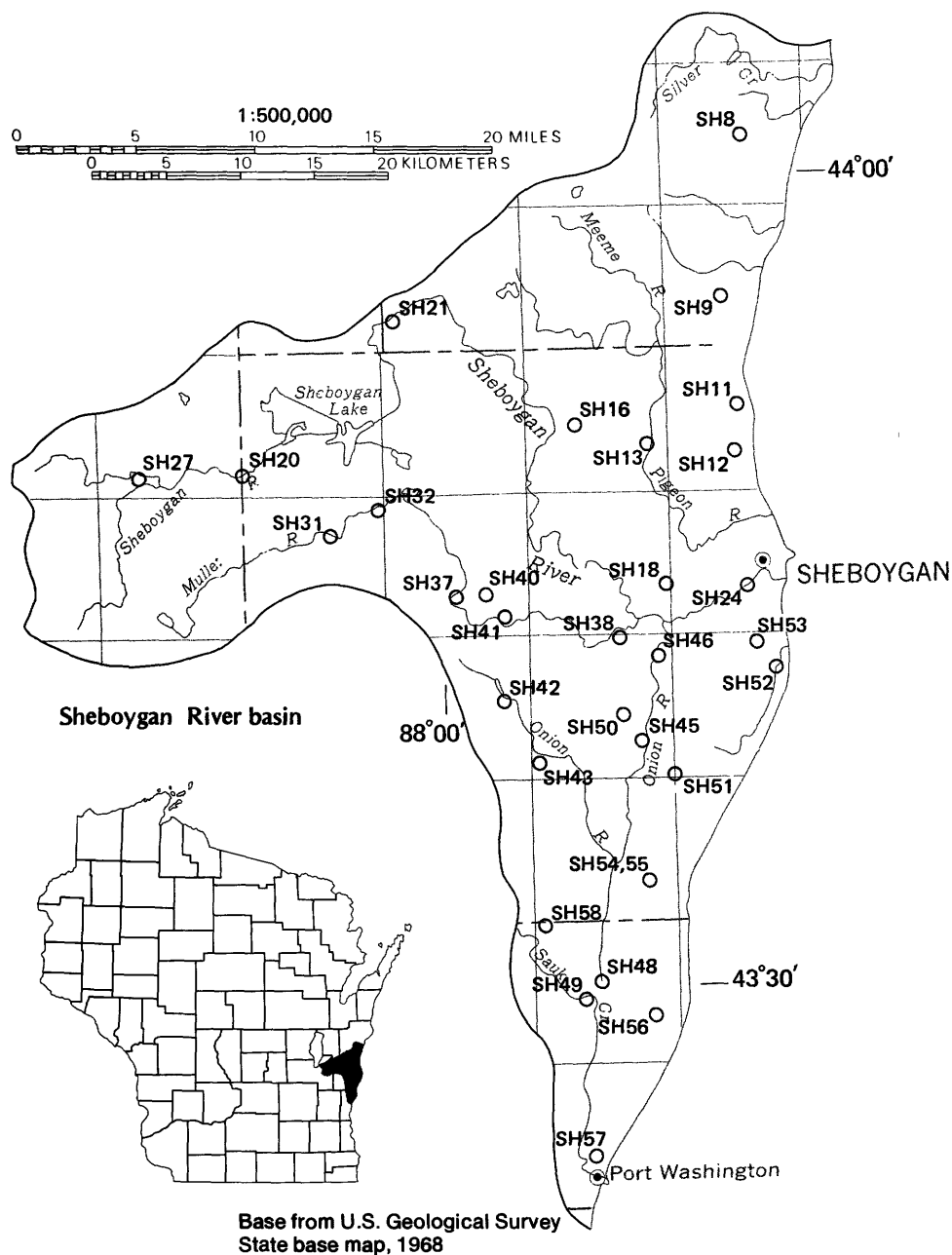
<sup>1</sup> Based on 1972 report by Wisconsin Department of Natural Resources (DNR). Site lettered "B" was not included in 1972 DNR report.

<sup>2</sup> Streambed is dry.

<sup>4</sup> Negligible discharge—water ponded, unable to measure velocity.



Table 23. Sheboygan River basin station location and low-flow characteristics.



Station number	Stream name	Station location	Drainage area (mi <sup>2</sup> )	Date	Discharge (ft <sup>3</sup> /s)	Q <sub>7,2</sub> (ft <sup>3</sup> /s)	Q <sub>7,10</sub> (ft <sup>3</sup> /s)	Accuracy level
SH8	Pine Creek	SE¼SE¼ sec. 22, T. 18 N., R. 23 E., Manitowoc County, at bridge on County Trunk C, 1.0 mi northeast of Newton, Wis.	6.17	July 17, 1972 July 12, 1973 Aug. 21, 1973 Sept. 24, 1974 Aug. 14, 1975 Aug. 12, 1976	0.30 1.06 .16 .04 .02 .03	0.01	<0.01	c
	Pine Creek tributary	NW¼SW¼ sec. 27, T. 18 N., R. 23 E., Manitowoc County, at Stock's Supper Club end manufacturing company sewage-treatment plant, 0.7 mi northwest of Newton, Wis.	1.07					

Table 23. Sheboygan River basin station location and low-flow characteristics—Continued.

Station number <sup>1</sup>	Stream name	Station location	Drainage area (mi <sup>2</sup> )	Date	Discharge (ft <sup>3</sup> /s)	Q <sub>7,2</sub> (ft <sup>3</sup> /s)	Q <sub>7,10</sub> (ft <sup>3</sup> /s)	Accuracy level
SH9	Centerville Creek	NE¼SE¼ sec. 21, T. 17 N., R. 23 E., Manitowoc County, 0.8 mi north of State Highway 149, at Chicago and NorthWestern Railroad, at Cleveland, Wis.	3.15	Sept. 24, 1974 Aug. 13, 1975 Aug. 12, 1976 Sept. 29, 1976 July 13, 1977	0.08 20 <.01 .12 .13	0	0	c
SH11	Sevenmile Creek	NE¼SE¼ sec. 16, T. 16 N., R. 23 E., Sheboygan County, at bridge on County Trunk LS, 0.4 mi northeast of Haven, Wis.	5.57	July 19, 1972 July 12, 1973 Aug. 21, 1973 Sept. 24, 1974 Aug. 13, 1975 Aug. 12, 1976	.16 .35 .55 2.14 20 .04	0	0	c
SH12	Lake Michigan tributary	SE¼SE¼ sec. 28, T. 16 N., R. 23 E., Sheboygan County, at bridge on County Trunk LS, 3.0 mi northwest of post office, at Sheboygan, Wis.	.87	Sept. 24, 1974 Aug. 13, 1975 Aug. 12, 1976 Sept. 29, 1976	20 20 20 20	0	0	c
SH13	Pigeon River	SE¼SE¼ sec. 26, T. 16 N., R. 22 E., Sheboygan County, at sewage-treatment plant, 0.2 mi east of State Highway 32, 0.3 mi northeast of Millersville, Wis.	50.5	July 19, 1972 July 12, 1973 Aug. 21, 1973 Sept. 24, 1974 Aug. 13, 1975 Aug. 12, 1976	3.97 5.31 23.1 4.68 1.68 3.14	.21	.02	c
SH16	Pigeon River tributary	SE¼SW¼ sec. 21, T. 16 N., R. 22 E., Sheboygan County, at bridge on County Trunk A, 1.3 mi east of Franklin, Wis.	1.38	July 19, 1972 July 12, 1973 Aug. 12, 1973 Sept. 24, 1974 Aug. 13, 1975 Aug. 12, 1976	.07 .03 .06 .04 .03 .08	<.01	<.01	c
SH18	Pigeon River tributary	SE¼SE¼ sec. 13, T. 15 N., R. 22 E., Sheboygan County, at bridge on country road, 0.2 mi north of County Trunk O, 1.5 mi northwest of Kohler, Wis.	7.32	July 18, 1972 July 12, 1973 Aug. 21, 1973 Sept. 24, 1974 Aug. 12, 1975	4.02 40 40 20 20	0	0	c
SH20	Sheboygan River	SE¼NE¼ sec. 36, T. 16 N., R. 19 E., Fond du Lac County, at bridge on local road, 0.1 mi east of County Trunk G, 0.5 mi south of St. Cloud, Wis.	56.3	July 18, 1972 July 13, 1973 Nov. 15, 1973 Sept. 25, 1974 Aug. 11, 1975 Aug. 11, 1976	5.43 9.17 35.4 3.94 .77 1.13	.40	.12	c
SH21	Sheboygan River	NW¼SE¼ sec. 30, T. 17 N., R. 21 E., Manitowoc County, at bridge on State Highway 32, at Kiel, Wis.	136	July 18, 1972 July 12, 1973 Aug. 20, 1973 Sept. 24, 1974 Aug. 14, 1975 Aug. 11, 1976	14.7 .63 6.60 4.67 1.99 2.27	1.5	.72	c
SH24	Sheboygan River	SE¼NE¼ sec. 29, T. 15 N., R. 23 E., Sheboygan County, 0.7 mi upstream from State Highway 28, 2.7 mi southwest of downtown Sheboygan, Wis.	432			28	16	a
SH27	Sheboygan River tributary	NE¼NW¼ sec. 32, T. 16 N., R. 19 E., Fond du Lac County, at bridge on County Trunk W, at Mt. Calvary, Wis.	13.1	July 19, 1972 July 13, 1973 Nov. 15, 1973 Sept. 25, 1974 Aug. 11, 1975	40 40 3.95 .18 .20	0	0	c
SH31	Mullet River	SE¼SE¼ sec. 10, T. 15 N., R. 20 E., Sheboygan County, at bridge on State Highway 23, at Greenbush, Wis.	50.8	July 18, 1972 July 13, 1973 Aug. 20, 1973 Sept. 25, 1974 Aug. 11, 1975 Aug. 11, 1976 July 12, 1977	1.61 1.56 10.2 1.49 1.15 1.26 2.23	.51	.30	c
	Mullet River tributary	SE¼SE¼ sec. 10, T. 15 N., R. 20 E., Sheboygan County, at State Highway 22, at Greenbush, Wis.	1.52					

Table 23. Sheboygan River basin station location and low-flow characteristics—Continued.

Station number	Stream name	Station location	Drainage area (mi <sup>2</sup> )	Date	Discharge (ft <sup>3</sup> /s)	Q <sub>7,2</sub> (ft <sup>3</sup> /s)	Q <sub>7,10</sub> (ft <sup>3</sup> /s)	Accuracy level
SH32	Mullet River	SE¼NE¼ sec. 1, T. 15 N., R. 20 E., Sheboygan River, at bridge on County Trunk P. at Glenbeulah, Wis.	55.7	Oct. 4, 1968 July 18., 1972 July 13, 1973 Aug. 20, 1973 Sept. 25, 1974 Aug. 11, 1975 Aug. 11, 1976	0.80 1.90 1.65 12.5 3.86 1.69 3.55	0.80	0.32	c
SH37	Mullet River	SE¼SW¼ sec. 27, T. 15 N., R. 21 E., Sheboygan County, at bridge on County Trunk PP, 1.0 mi south of State Highway 23, in Plymouth, Wis.	85.0	Oct. 3, 1968 July 18, 1972 July 11, 1973 Aug. 20, 1973 Sept. 24, 1974 Aug. 12, 1975 Aug. 11, 1976	8.72 12.7 21.4 31.2 18.9 14.4 14.0	6.2	2.9	c
SH38	Mullet River	NW¼SE¼ sec. 35, T. 15 N., R. 22 E., Sheboygan County, at bridge on County Trunk PP, on southwest side of Sheboygan Falls, Wis.	108	July 19, 1972 July 11, 1973 Aug. 21, 1973 Sept. 24, 1974 Aug. 13, 1975 Aug. 11, 1976	15.0 23.4 36.0 18.9 13.9 24.9	9.8	5.6	c
SH40	Mullet River tributary	NE¼SE¼ sec. 26, T. 15 N., R. 21 E., Sheboygan County, at La Graves trailer park septic tank, just west of railroad crossing of State Highway 57, 1.0 mi east of Plymouth, Wis.	.64					
	Mullet River tributary	SW¼SW¼ sec. 26, T. 15 N., R. 21 E., Sheboygan County, at culvert under County Trunk PP, 1.5 mi southeast of Plymouth, Wis.	1.33	July 19, 1972 July 11, 1973 Aug. 20, 1973 Sept. 24, 1974 Aug. 12, 1975 Aug. 11, 1975	.19 .47 .04 .16 .10 .07	.05	.02	c
SH41	Mullet River tributary	SE¼SW¼ sec. 25, T. 15 N., R. 21 E., Sheboygan County, at Gilson Manufacturing Company, just northwest of junction of State Highway 57 and County Trunk PP, 2.5 mi southeast of Plymouth, Wis.	.08	July 18, 1972	<sup>2</sup> 0	0	0	c
SH42	Onion River	NE¼SE¼ sec. 10, T. 14 N., R. 21 E., Sheboygan County, at County Trunk AC, 1.4 mi northwest of Waldo, Wis.	18.2	July 20, 1972 July 11, 1973 Aug. 20, 1973 Nov. 13, 1973 Sept. 24, 1974 Aug. 12, 1975 Aug. 10, 1976 Sept. 29, 1976 July 12, 1977	<sup>3</sup> 9.36 10.7 14.0 18.6 14.3 10.7 9.29 9.17 11.3	6.2	4.0	b
	Onion River	SW¼SW¼ sec. 13, T. 14 N., R. 21 E., Sheboygan County, at sewage-treatment plant, 1.0 mi east of Waldo, Wis.	24.3					
SH43	Onion River	NW¼NW¼ sec. 31, T. 14 N., R. 22 E., Sheboygan County, at bridge on County Trunk I, at Hingham, Wis.	33.7	July 20, 1972 July 11, 1973 Aug. 21, 1973 Sept. 24, 1974 Aug. 12, 1975 Aug. 10, 1976 July 12, 1977	6.77 8.35 7.03 11.6 5.62 9.06 8.51	4.7	3.2	c
SH45	Onion River	NE¼SE¼ sec. 26, T. 14 N., R. 22 E., Sheboygan County, at bridge on County Trunk OO, just east of Gibbsville, Wis.	79.5	July 20, 1972 July 12, 1973 Aug. 21, 1973 Sept. 24, 1974 Aug. 13, 1975 Aug. 10, 1976 July 12, 1977	20.6 11.3 13.0 13.8 12.2 10.6 8.38	7.2	4.7	c

Table 23. Sheboygan River basin station location and low-flow characteristics—Continued.

Station number <sup>1</sup>	Stream name	Station location	Drainage area (mi <sup>2</sup> )	Date	Discharge (ft <sup>3</sup> /s)	Q <sub>7,2</sub> (ft <sup>3</sup> /s)	Q <sub>7,10</sub> (ft <sup>3</sup> /s)	Accuracy level
SH46	Onion River	SW¼NW¼ sec. 12, T. 14 N., R. 22 E., Sheboygan County, at country road bridge, 2.3 mi south of Sheboygan Falls, Wis.	91.8	July 20, 1972 July 12, 1973 Aug. 21, 1973 Sept. 24, 1974 Aug. 13, 1975 Aug. 10, 1976 July 12, 1977	17.0 8.45 19.5 18.7 5.58 9.15 8.64	6.7	4.4	c
SH48	Tributary to Onion River tributary	SW¼SE¼ sec. 15, T. 12 N., R. 22 E., Ozaukee County, at culvert on Park Street, at Belgium, Wis.	.16	Sept. 23, 1974 Aug. 12, 1975 Aug. 9, 1976 Sept. 29, 1976 July 11, 1977	.89 .50 .23 .17 .12	<u>5</u>	<u>5</u>	
SH49	Sauk Creek	SW¼SE¼ sec. 21, T. 12 N., R. 22 E., Ozaukee County, at bridge on country road, 1.5 mi southwest of Belgium, Wis.	19.3	July 10, 1973 Aug. 22, 1973 Nov. 13, 1973 Sept. 23, 1974 Aug. 12, 1975 Aug. 9, 1976	0.60 .60 4.80 .15 2.01 0	0	0	c
SH50	Onion River tributary	NE¼SE¼ sec. 17, T. 14 N., R. 22 E., Sheboygan County, at Sheboygan County Hospital sewage-treatment plant, 3.3 mi northwest of Gibbsville, Wis.	1.31					
	Onion River tributary	NE¼SE¼ sec. 16, T. 14 N., R. 21 E., Sheboygan County, at bridge on County Trunk I, 2.6 mi northwest of Gibbsville, Wis.	1.92	July 20, 1972 July 12, 1973 Aug. 21, 1973 Aug. 13, 1975 Aug. 10, 1976	.09 .03 .12 .02 .04	.01	<.01	c
SH51	Black River	NE¼NE¼ sec. 1, T. 13 N., R. 22 E., Sheboygan County, 0.1 mi west of County Trunk A, 0.5 mi north of Oostburg, Wis.	.49	July 11, 1973 Aug. 21, 1973 Sept. 24, 1974 Aug. 13, 1975 Aug. 10, 1976	2 20 20 20 20	0	0	c
SH52	Black River	NW¼NE¼ sec. 11, T. 14 N., R. 23 E., Sheboygan County, at bridge on country road, 2.9 mi southeast of State Highway 28 and U.S. Highway 141 intersection in Sheboygan, Wis.	15.7	Aug. 20, 1972 July 11, 1973 Aug. 21, 1973 Sept. 24, 1974 Aug. 13, 1975 Aug. 10, 1976	4 40 40 40 40 40	0	0	c
SH53	Hartman's Creek	SE¼NE¼ sec. 10, T. 14 N., R. 22 E., Sheboygan County, at bridge on County Trunk KK, 3.3 mi south of State Highway 28 and U.S. Highway 141 intersection in Sheboygan, Wis.	1.61	July 20, 1972 July 11, 1973 Aug. 21, 1973 Nov. 13, 1973 Sept. 24, 1974 Aug. 13, 1975 Aug. 10, 1976	.17 .03 .12 .08 .08 .02 .09	.01	<.01	c
SH54, 55	Barr Creek tributary	NE¼SW¼ sec. 24, T. 13 N., R. 23 E., Sheboygan County, at sewage-treatment plant, 0.7 mi northeast of Cedar Grove, Wis.	.94	July 10, 1973 Aug. 22, 1973 Sept. 23, 1974 Aug. 12, 1975	.44 .22 .40 .34	<u>5</u>	<u>5</u>	
SH56	Sucker Creek	NE¼NE¼ sec. 23, T. 12 N., R. 22 E., Ozaukee County, at bridge on County Trunk D, at Lake Church, Wis.	5.01					
	Sucker Creek	SE¼SE¼ sec. 23, T. 12 N., R. 22 E., Ozaukee County, at bridge on country road, 1.0 mi south of Lake Church, Wis.	6.25	July 17, 1972 July 10, 1973 Aug. 22, 1973 Sept. 23, 1974 Aug. 12, 1975 Aug. 9, 1976	.72 .12 .07 .09 .02 .04	<.01	<.01	c

Table 23. Sheboygan River basin station location and low-flow characteristics—Continued.

Station number <sup>1</sup>	Stream name	Station location	Drainage area (mi <sup>2</sup> )	Date	Discharge (ft <sup>3</sup> /s)	Q <sub>7,2</sub> (ft <sup>3</sup> /s)	Q <sub>7,10</sub> (ft <sup>3</sup> /s)	Accuracy level
SH57	Lake Michigan tributary	NE¼SE¼ sec. 16, T. 11 N., R. 22 E., Ozaukee County, at intersection of State Highway 32 and country road, 0.5 mi northeast of Knellsville, Wis.	1.05					
	Lake Michigan tributary	SE¼NE¼ sec. 21, T. 11 N., R. 22 E., Ozaukee County, at country road bridge, 0.7 mi southeast of Knellsville, Wis.	1.72	July 17, 1972 July 10, 1973 Aug. 23, 1973 Sept. 23, 1974 Aug. 12, 1975 Aug. 9, 1976	.08 .04 .01 .01 .05 <.01	<.01	<.01	c
SH58	Sauk Creak tributary	NE¼SE¼ sec. 1, T. 12 N., R. 21 E., Ozaukee County, at culvert on country road, 2.4 mi southeast of Random Lake, Wis.	2.19	Sept. 23, 1974 Aug. 12, 1975 Aug. 10, 1976 Sept. 29, 1976 July 11, 1977	.25 .13 .11 .06 .05	.02	<.01	c

<sup>1</sup>Based on 1970 report by Wisconsin Department of Natural Resources.

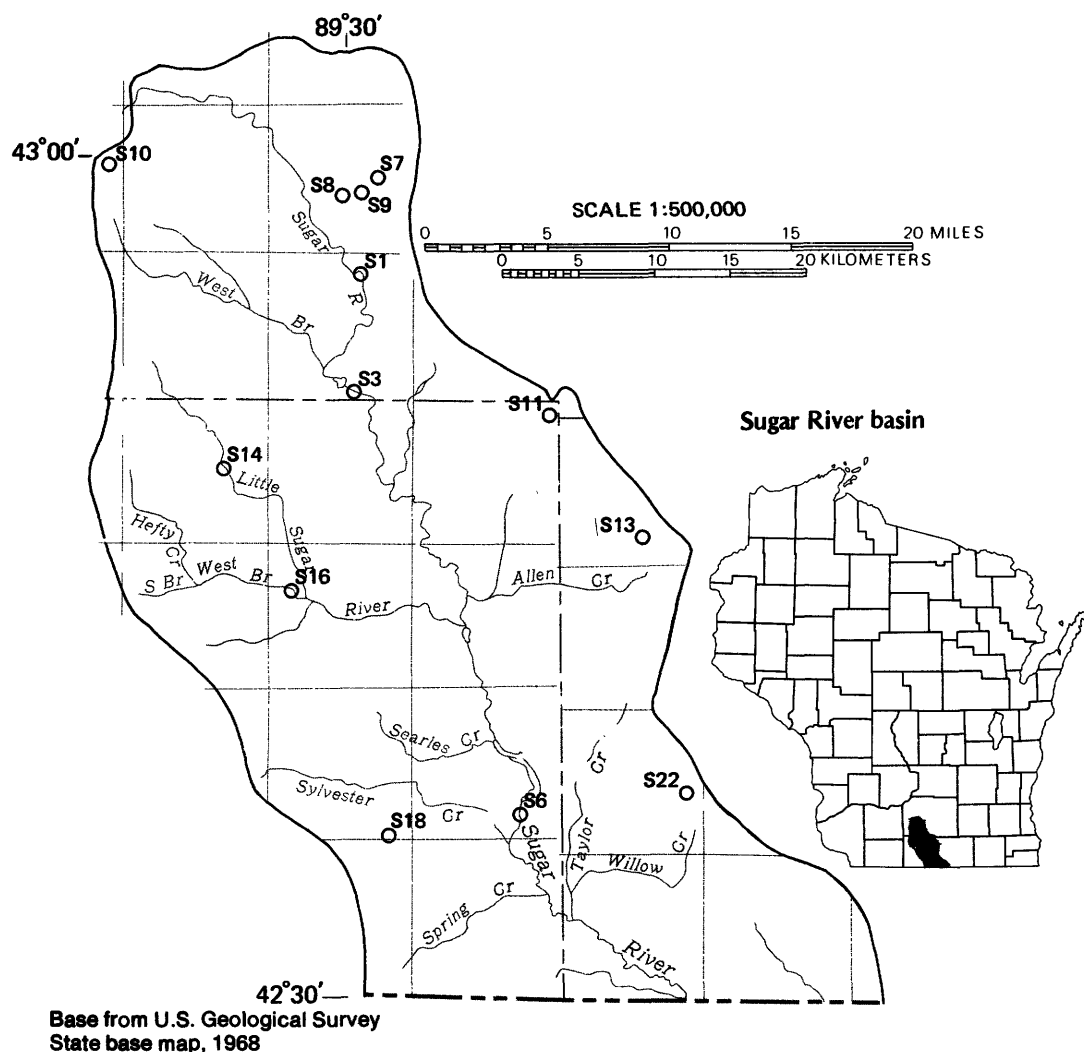
<sup>2</sup>Streambed is dry.

<sup>3</sup>Additional discharge measurements are available.

<sup>4</sup>Negligible discharge--water ponded, unable to measure velocity.

<sup>5</sup>No estimate possible--discharge is primarily effluent.

Table 24. Sugar River basin station locations and low-flow characteristics.



Station number	Stream name	Station location	Drainage area (mi <sup>2</sup> )	Date	Discharge (ft <sup>3</sup> /s)	Q <sub>7,2</sub> (ft <sup>3</sup> /s)	Q <sub>7,10</sub> (ft <sup>3</sup> /s)	Accuracy level
S1	Sugar River	NE¼SE¼ sec. 3, T. 5 N., R. 8 E., Dane County, at bridge on country road, 0.3 mi north of Paoli, Wis.	88.7	Nov. 6, 1975 July 26, 1976 Aug. 3, 1977 Sept. 7, 1977	25.8 19.1 20.6 19.7	14	8.8	c
S3	Sugar River	NE¼SW¼ sec. 34, T. 5 N., R. 8 E., Dane County, at bridge on State Highway 69, at Belleville, Wis.	172	June 1, 1972 July 31, 1972 Nov. 18, 1973 Oct. 6, 1975 July 26, 1976	82.7 67.3 102 76.8 61.0	45	33	c
S6	Sugar River	SE¼SW¼ sec. 26, T. 2 N., R. 9 E., Green County, at town road, 1.3 mi southwest of Brodhead, Wis.	523			130	94	a
S7	Badger Mill Creek	NW¼SE¼ sec. 14, T. 6 N., R. 8 E., Dane County, at bridge on County Trunk PB, 1.0 mi east of Verona, Wis.	14.9	June 1, 1972 July 3, 1972 Nov. 9, 1973 Oct. 6, 1975 July 26, 1976	.13 .08 .33 .40 .02	.01	<.01	c

Table 24. Sugar River basin station locations and low-flow characteristics—Continued.

Station number <sup>1</sup>	Stream name	Station location	Drainage area (mi <sup>2</sup> )	Date	Discharge (ft <sup>3</sup> /s)	Q <sub>7,2</sub> (ft <sup>3</sup> /s)	Q <sub>7,10</sub> (ft <sup>3</sup> /s)	Accuracy level
S8	Badger Mill Creek	SE¼NW¼ sec. 22, T. 6 N., R. 8 E., Dane County, at bridge on County Trunk M, at Verona, Wis.	18.9	July 26, 1976 Aug. 3, 1977 Sept. 7, 1977 Sept. 5, 1978	2.37 1.16 1.02 2.27	0.49	0.17	c
S9	Badger Mill Creek	NW¼SW¼ sec. 22, T. 6 N., R. 8 E., Dane County, at town road, 1.0 mi south of Verona, Wis.	20.3	June 1, 1972 July 3, 1972 Nov. 9, 1973 Oct. 6, 1975 July 26, 1976 Aug. 3, 1977 Sept. 7, 1977	2.43 1.28 5.86 5.12 2.99 1.10 1.31	.49	.17	c
S10	West Branch Sugar River	NE¼SE¼ sec. 14, T. 6 N., R. 6 E., Dane County, at bridge on town road, 1.1 mi south of Mt. Horeb, Wis.	1.09	June 2, 1972 July 31, 1972 Nov. 9, 1973 Sept. 18, 1974 Oct. 9, 1975 July 27, 1976	.44 .62 .41 .65 .30 .37	<u>5</u>	<u>5</u>	
S11	Allen Creek	NE¼NE¼ sec. 12, T. 4 N., R. 9 E., Green County, at bridge on County Trunk T, 0.8 mi south of Brooklyn, Wis.	10.8	June 1, 1972 Aug. 1, 1972 Nov. 8, 1973 Oct. 7, 1975	.81 2.01 3.23 1.81	.52	.26	c
S13	Allen Creek	SE¼SE¼ sec. 27, T. 4 N., R. 10 E., Rock County, at sewage-treatment plant, at Evansville, Wis.	27.5	June 1, 1972 Aug. 1, 1972 Nov. 8, 1973 Oct. 7, 1975 July 26, 1976	6.49 6.56 12.8 6.75 2.95	2.2	1.1	c
S14	Little Sugar River	SW¼SE¼ sec. 14, T. 4 N., R. 7 E., Green County, at bridge on town road, 300 ft east of junction of State Highway 39 and State Highway 69, at New Glarus, Wis.	22.4	June 1, 1972 Aug. 1, 1972 Nov. 8, 1973 Oct. 7, 1975 July 27, 1976	12.8 13.3 14.2 9.44 7.29	5.4	3.6	c
S16	West Branch Little Sugar	SW¼SW¼ sec. 8, T. 3 N., R. 8 E., Green County, at bridge on town road, about 400 ft northwest of sewage-treatment plant, at Monticello, Wis.	33.6	June 1, 1972 Aug. 1, 1972 Nov. 8, 1973 Oct. 6, 1975 July 27, 1976	18.8 17.7 20.3 14.4 12.4	9.2	6.4	c
S18	Juda Branch	NE¼NW¼ sec. 1, T. 1 N., R. 8 E., Green County, at bridge on State Highways 11 and 81, at Juda, Wis.	8.13	Aug. 27, 1968 Oct. 18, 1968 June 1, 1972 Aug. 1, 1972 Nov. 8, 1973 Oct. 10, 1975 July 27, 1976	1.74 2.03 3.32 2.80 5.19 3.06 2.40	.80	.39	c
S22	Swan Creek	SW¼SW¼ sec. 13, T. 2 N., R. 10 E., Rock County, at sewage-treatment plant, at Orfordville, Wis.	1.00	June 1, 1972 Aug. 1, 1972 Nov. 8, 1973 Oct. 7, 1975 July 26, 1976	<sup>4</sup> 0 <sup>4</sup> 0 <sup>4</sup> 0 <sup>4</sup> 0 <sup>4</sup> 0	0	0	c

<sup>1</sup>Based on 1971 report by Wisconsin Department of Natural Resources.<sup>2</sup>Streambed is dry.<sup>4</sup>Negligible discharge—water ponded, unable to measure velocity.<sup>5</sup>No estimate possible—discharge is primarily effluent.

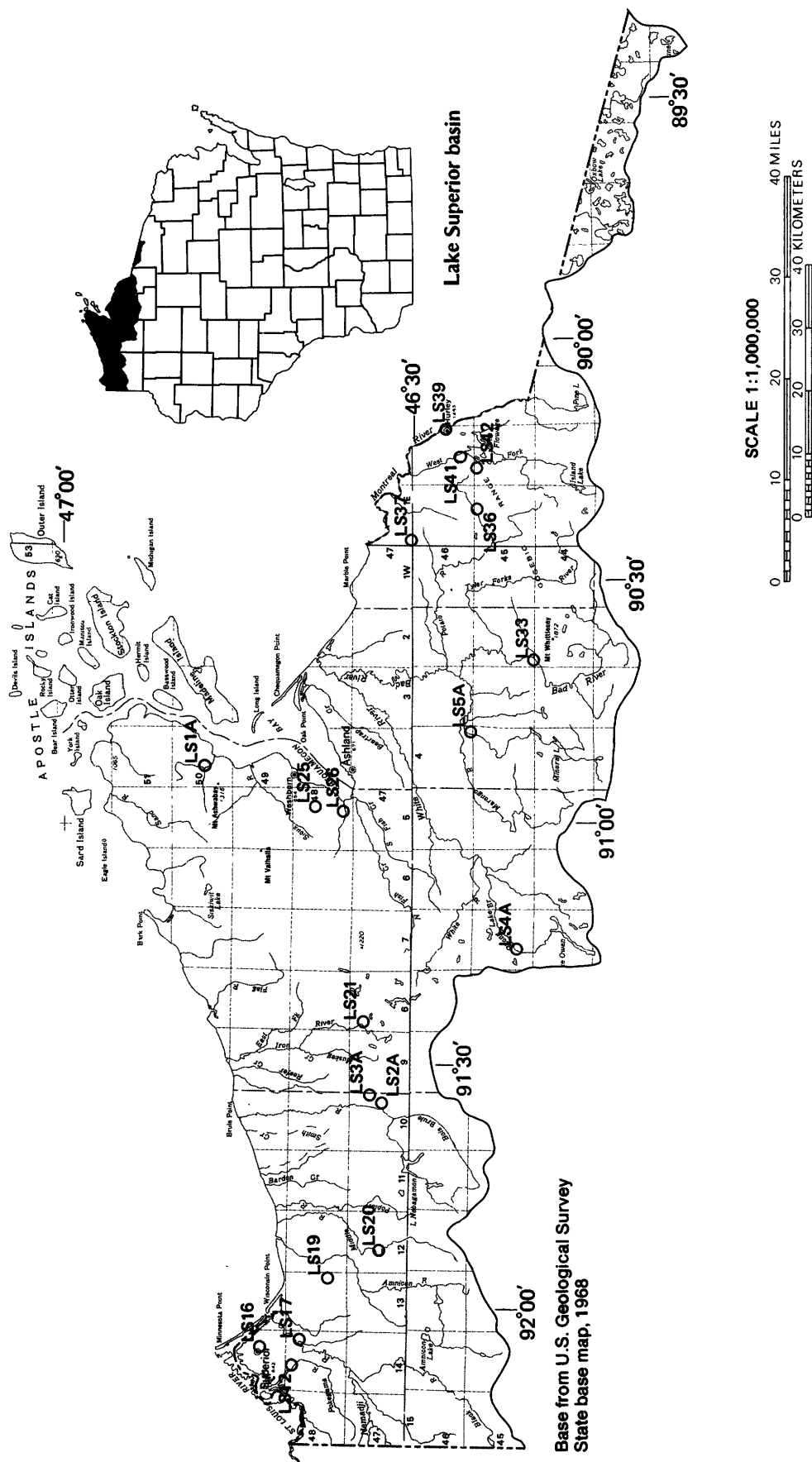


Table 25. Lake Superior basin station location and low-flow characteristics.



Table 25. Lake Superior basin station location and low-flow characteristics—Continued.

Station number <sup>1</sup>	Stream name	Station location	Drainage area (mi <sup>2</sup> )	Date	Discharge (ft <sup>3</sup> /s)	Q <sub>7,2</sub> (ft <sup>3</sup> /s)	Q <sub>7,10</sub> (ft <sup>3</sup> /s)	Accuracy level
LS12	Pokegama River	NE¼SW¼ sec. 10, T. 48 N., R. 14 W., Douglas County, at sewage-treatment plant, at Superior Village, Wis.	25.8					
	Pokegama River	NW¼NW¼ sec. 10, T. 48 N., R. 14 W., Douglas County, at bridge on town road, 0.25 mi south of State Highway 105, 0.75 mi west of State Highway 35, in South Superior, Wis.	26.3	Oct. 17, 1972 May 23, 1973 Sept. 18, 1973 Aug. 1, 1973 July 24, 1975 Aug. 21, 1975 Aug. 3, 1976	0.96 13.8 3.40 4.33 4.0 4.0 <.01	0.02	0	c
LS16	Lake Superior tributary	SW¼SE¼ sec. 25, T. 49 N., R. 14 W., Douglas County, at culvert on Stinson Avenue, 2.5 mi southeast of post office, at Superior, Wis.	.50	July 25, 1975 Aug. 20, 1975 Aug. 3, 1976 Aug. 24, 1977	5.88 5.74 5.38 4.0	0	0	c
LS17	Crawford Creek	NE¼NE¼ sec. 14, T. 48 N., R. 13 W., Douglas County, at bridge on town road, 1.85 mi southeast of South Superior, Wis.	7.97	Aug. 26, 1970 July 25, 1975 Aug. 21, 1975 Aug. 3, 1976 Aug. 24, 1977	2.0 <.01 4.04 4.0 4.0	0	0	c
LS19	Bear Creek	SW¼SW¼ sec. 9, T. 48 N., R. 13 W., Douglas County, at bridge on County Trunk Z, 300 ft upstream from Douglas County Hospital and Sanatorium sewage-treatment plant, 4.3 mi southeast of South Superior, Wis.	3.56	Oct. 17, 1972 May 23, 1973 Sept. 18, 1973 Aug. 1, 1974 July 24, 1975 Aug. 21, 1975	.09 4.04 2.33 2.0 2.0 2.0	0	0	c
LS20	Middle River	SE¼NW¼ sec. 21, T. 47 N., R. 12 W., Douglas County, at Middle River Sanatorium sewage-treatment plant, 1.4 mi east of Hines, Wis.	31.6	Oct. 17, 1972 May 23, 1973 Sept. 18, 1973 Aug. 1, 1974 July 24, 1975 Aug. 21, 1975	12.6 20.9 5.09 5.24 4.39 1.07	1.4	.70	c
LS21	Iron River	NW¼NE¼ sec. 7, T. 47 N., R. 8 W., Bayfield County, at country bridge and sewage-treatment plant, at Iron River, Wis.	19.1	Oct. 17, 1972 May 23, 1973 Sept. 18, 1973 July 31, 1974 July 23, 1975 Aug. 20, 1975	16.8 19.3 10.8 13.8 13.5 12.2	7.4	5.7	c
LS25	Boyd Creek	NE¼SE¼ sec. 22, T. 48 N., R. 5 W., Bayfield County, at bridge on town road, 4.5 mi northwest of courthouse, at Ashland, Wis.	3.11	July 22, 1975 Aug. 20, 1975 Aug. 4, 1976 Aug. 25, 1977	≤.10 est. 2.0 2.0 2.0	0	0	c
LS26	Whittlesey Creek tributary	SW¼NW¼ sec. 35, T. 48 N., R. 5 W., Bayfield County, just below confluence of two tributaries, at country road 0.3 mi south of Ondassagon School, 4.0 mi east of Ashland, Wis.	.94	Oct. 18, 1972 May 22, 1973 Sept. 18, 1973 July 31, 1974 July 22, 1975 Aug. 20, 1975 Aug. 4, 1976 Aug. 25, 1977	.51 .74 .56 .74 .64 .65 .67 .59	.58	.54	c
LS33	Bad River	NW¼NE¼ sec. 6, T. 44 N., R. 2 W., Ashland County, at State Highway 13, at Mellen, Wis.	105	Aug. 15, 1972 Oct. 19, 1972 May 22, 1973 Sept. 19, 1973 June 26, 1974 July 30, 1974 July 22, 1975 Aug. 19, 1975	<sup>3</sup> 59.6 77.4 96.1 16.2 51.7 16.2 11.7 6.56	12	5.4	b
LS36	Alder Creek tributary	NW¼NW¼ sec. 2, T. 45 N., R. 1 E., Iron County, on road past sewage lagoon, 1.0 mi northwest of Iron Belt, Wis.	1.24	Aug. 15, 1972 Oct. 18, 1972 May 21, 1973 Sept. 19, 1973 July 21, 1975 Aug. 19, 1975	.96 .79 1.78 .86 .42 .36	8.40	8.36	c

Table 25. Lake Superior basin station location and low-flow characteristics—Continued.

Station number	Stream name	Station location	Drainage area (mi <sup>2</sup> )	Date	Discharge (ft <sup>3</sup> /s)	Q <sub>7,2</sub> (ft <sup>3</sup> /s)	Q <sub>7,10</sub> (ft <sup>3</sup> /s)	Accuracy level
LS37	Vaughn Creek	SE¼NW¼ sec. 6, T. 46 N., R. 1 E., Iron County, at bridge on State Highway 122, at Saxon, Wis.	1.11	Aug. 15, 1972 Oct. 19, 1972 May 22, 1973 Sept. 19, 1973 July 30, 1974 July 22, 1975 Aug. 19, 1975	40 40 4.16 40 40 40 40	0	0	c
LS39	Montreal River	NW¼SE¼ sec. 24, T. 46 N., R. 2 E., Iron County, at Aurora Street bridge between Hurley, Wis., and Ironwood, Mich.	63.0			4.7	2.4	a
LS41	West Fork Montreal River	NE¼SW¼ sec. 27, T. 46 N., R. 2 E., Iron County, at sewage-treatment plant, 0.1 mi downstream from State Highway 77 bridge, at Montreal, Wis.	78.5	Aug. 14, 1972 Oct. 19, 1972 May 21, 1973 Sept. 19, 1973 July 30, 1974 July 21, 1975 Aug. 19, 1975	84.1 92.4 93.5 138 170 182 159	6	6	
LS42	West Fork Montreal River tributary	NE¼NW¼ sec. 5, T. 45 N., R. 2 E., Iron County, at sewage-treatment plant, at Pence, Wis.	.14					
	West Fork Montreal River	SE¼NE¼ sec. 5, T. 45 N., R. 2 E., Iron County, at country road, 0.75 mi southeast of Pence, Wis.	.53	Oct. 19, 1973 May 21, 1973 Aug. 14, 1972 Sept. 19, 1973 July 30, 1974 July 21, 1975 Aug. 19, 1975	20 2.32 20 20 .33 .03 <.01	0	0	c
LS1A	Pikes Creek	NW¼NE¼ sec. 28, T. 50 N., R. 4 W., Bayfield County, at DNR fish hatchery, 3.0 mi southwest of Bayfield, Wis.	30.4	July 23, 1975 Aug. 3, 1976 Aug. 25, 1977 Nov. 15, 1978	8.05 7.75 6.81 13.1	8.0	6.2	c
LS2A	Little Bois Brule River	NW¼NW¼ sec. 35, T. 47 N., R. 10 W., Douglas County, at bridge on State Highway 27, 2.5 mi southwest of Brule, Wis.		Aug. 3, 1976 Aug. 24, 1977 Nov. 16, 1978	4.32 2.27 2.86	2.8	2.5	c
LS3A	Sandy Run	SW¼NE¼ sec. 13, T. 47 N., R. 10 W., Douglas County, at culvert on U.S. Highway 2, 0.8 mi east of Brule, Wis.	3.04	July 23, 1975 Aug. 20, 1975 Aug. 3, 1976 Aug. 24, 1977	4.08 4.28 3.66 3.52	3.4	3.2	c
LS4A	Long Lake Branch	NE¼SE¼ sec. 29, T. 45 N., R. 7 W., Bayfield County, at trail crossing just downstream from Drummond Lake, 0.8 mi north of Drummond, Wis.	24.5	Feb. 12, 1975 Mar. 19, 1975 July 23, 1975 Aug. 19, 1975 Aug. 4, 1976 June 10, 1977 Aug. 25, 1977	5.74 5.41 4.45 .48 2.41 20 20	6	6	
LS5A	Brunsweller River	NW¼NE¼ sec. 1, T. 45 N., R. 4 W., Ashland County, at bridge on State Highway 13, 0.8 mi southeast of Marengo, Wis.	62.9	Aug. 26, 1970 Aug. 19, 1975 Aug. 4, 1976 Aug. 24, 1977	6.09 6.48 6.70 11.4	10	6.4	c

<sup>1</sup> Based on 1966 report by Wisconsin Department of Natural Resources (DNR). Site lettered "A" was not included in 1966 DNR report.

<sup>2</sup> Streambed is dry.

<sup>3</sup> Additional discharge measurements are available.

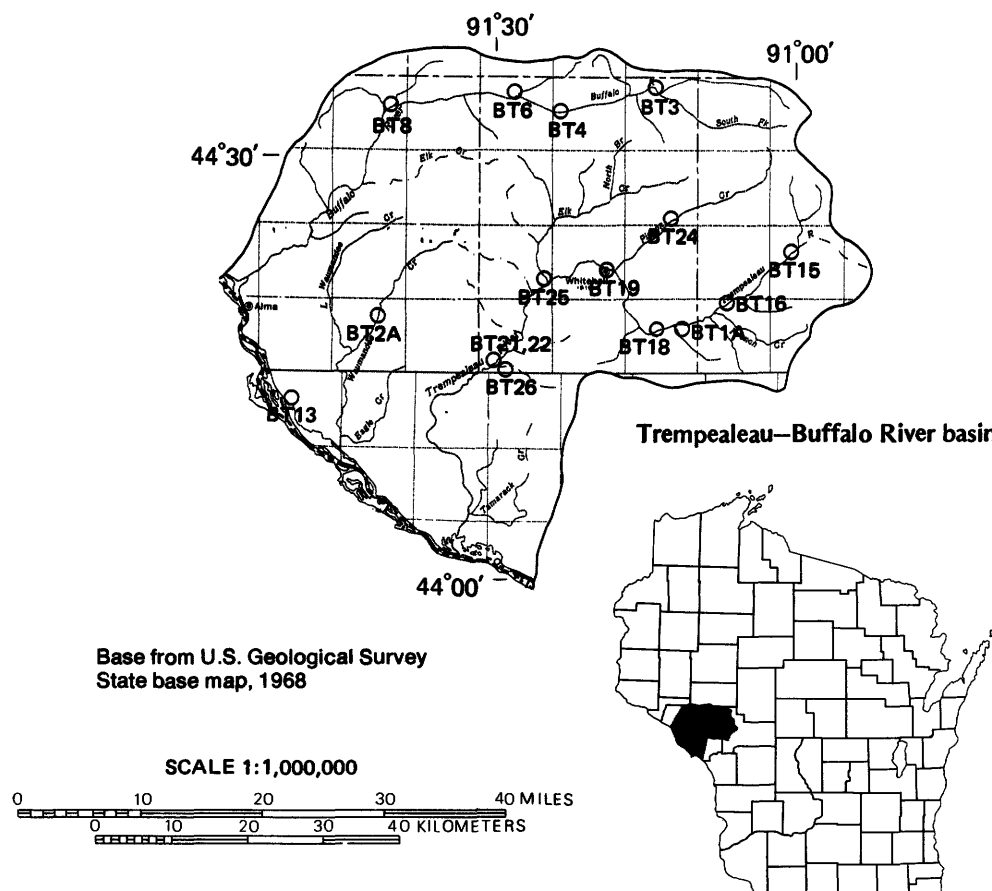
<sup>4</sup> Negligible discharge--water ponded, unable to measure velocity.

<sup>5</sup> Discharge is primarily effluent.

<sup>6</sup> No estimate possible due to regulation upstream.

<sup>8</sup> Low-flow characteristics and discharge measured include about 0.30 ft<sup>3</sup>/s from sewage lagoon.

Table 26. Trempealeau-Buffero River basin station locations and low-flow characteristics.



Station number	Stream name	Station location	Drainage area (mi <sup>2</sup> )	Date	Discharge (ft <sup>3</sup> /s)	Q <sub>7,2</sub> (ft <sup>3</sup> /s)	Q <sub>7,10</sub> (ft <sup>3</sup> /s)	Accuracy level
BT3	Buffalo River	SW¼NW¼ sec. 9, T. 24 N., R. 7 W., Trempealeau County, at bridge on County Trunk O, 1.3 mi west of Osseo, Wis.	73.7	Aug. 12, 1970 Aug. 9, 1972 June 25, 1973 Sept. 12, 1973 Aug. 21, 1976 Sept. 15, 1977	24.7 50.3 68.8 40.0 19.7 17.1	16	11	c
BT4	Buffalo River	SW¼SE¼ sec. 18, T. 24 N., R. 8 W., Trempealeau County, at footbridge in city park, at Strum, Wis.	124	Aug. 9, 1972 June 26, 1973 Sept. 12, 1973 Aug. 21, 1976 Sept. 15, 1977	77.9 139 80.5 38.0 35.1	32	20	c
BT6	Buffalo River	NE¼SE¼ sec. 9, T. 24 N., R. 9 W., Trempealeau County, at bridge on State Highway 93, at Eleva, Wis.	165	Aug. 9, 1972 June 26, 1973 Sept. 13, 1973 Aug. 21, 1976 Sept. 15, 1977	96.4 204 112 54.7 44.8	38	23	c
BT8	Buffalo River	NW¼SE¼ sec. 14, T. 24 N., R. 11 W., Buffalo County, at sewage-treatment plant, 0.5 mi downstream from County Trunk H bridge, at Mondovi, Wis.	238	Aug. 9, 1972 June 26, 1973 Sept. 12, 1973 Aug. 21, 1976 Sept. 15, 1977	138 278 164 85.7 85.7	64	41	c

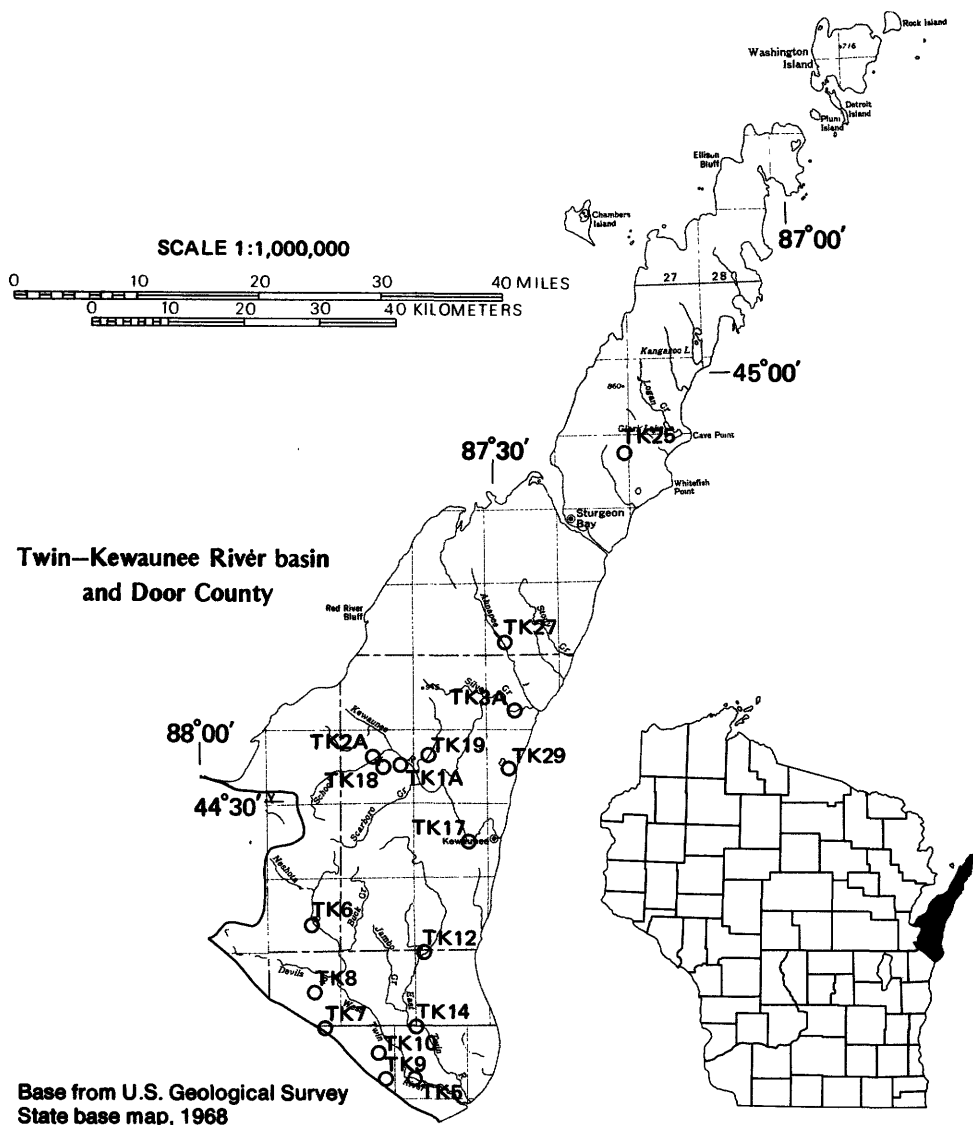
Table 26. Trempealeau-Buffalo River basin station locations and low-flow characteristics—Continued.

Station number <sup>1</sup>	Stream name	Station location	Drainage area (mi <sup>2</sup> )	Date	Discharge (ft <sup>3</sup> /s)	Q <sub>7,2</sub> (ft <sup>3</sup> /s)	Q <sub>7,10</sub> (ft <sup>3</sup> /s)	Accuracy level
BT13	Cochrane Ditch	SW¼NE¼ sec. 8, T. 20 N., R. 12 W., Buffalo County, at sewage-treatment plant near southwest corporate limits of Cochrane, Wis.	8.66					
	Cochrane Ditch	SE¼SE¼ sec. 8, T. 20 N., R. 12 W., Buffalo County, at country road bridge, 0.5 mi south of Cochrane, Wis.	8.87	Aug. 9, 1972 June 26, 1973 Sept. 12, 1973 Aug. 9, 1977 Sept. 14, 1977	9.59 8.72 7.58 4.07 5.45	4.4	3.5	c
BT15	Trempealeau River	NW¼SE¼ sec. 17, T. 22 N., R. 5 W., Jackson County, at State Highway 95 bridge, at Hixton, Wis.	58.3	Aug. 10, 1972 June 26, 1973 Sept. 12, 1973 Aug. 21, 1976 Sept. 15, 1977	26.8 54.2 39.5 23.3 22.9	19	14	c
BT16	Trempealeau River	NE¼SE¼ sec. 5, T. 21 N., R. 6 W., Jackson County, at County Trunk P, 0.4 mi north of Taylor, Wis.	110	Aug. 10, 1972 June 27, 1973 Sept. 12, 1973 Aug. 20, 1976 Sept. 14, 1977	<sup>3</sup> 52.8 124 74.5 43.8 38.5	35	25	b
BT18	Trempealeau River	NW¼SE¼ sec. 16, T. 21 N., R. 7 W., Trempealeau County, at sewage-treatment plant, at Blair, Wis.	176	Aug. 10, 1972 Sept. 12, 1973 Jan. 9, 1974 Aug. 20, 1976 Sept. 14, 1977	84.1 108 85.0 62.9 51.8	47	34	c
BT19	Trempealeau River	SE¼NW¼ sec. 23, T. 22 N., R. 8 W., Trempealeau County, at U.S. Highway 53 bridge, at Whitehall, Wis.	317	Aug. 10, 1972 June 27, 1972 Sept. 12, 1973 Aug. 20, 1976 Sept. 14, 1977	159 391 243 125 105	93	63	c
BT21, 22	Trempealeau River	NW¼SW¼ sec. 32, T. 21 N., R. 9 W., Trempealeau County, at State Highways 93 and 95, in Arcadia, Wis.	552			165	118	a
BT24	Pigeon Creek	SW¼SE¼ sec. 34, T. 23 N., R. 7 W., Trempealeau County, 300 ft downstream from dam, in Pigeon Falls, Wis.	58.4	Aug. 10, 1972 June 27, 1973 Sept. 12, 1973 Aug. 20, 1976 Sept. 14, 1977	31.3 77.1 44.1 25.2 21.5	20	14	c
	Pigeon Creek	NE¼NW¼ sec. 3, T. 22 N., R. 7 W., Trempealeau County, at sewage-treatment plant, 0.6 mi southeast of Pigeon Falls, Wis.	60.3					
BT25	Elk Creek	SE¼NW¼ sec. 25, T. 22 N., R. 9 W., Trempealeau County, at State Highways 93 and 121 bridge, in Independence, Wis.	101	Aug. 10, 1972 June 27, 1973 Sept. 12, 1973 Aug. 20, 1976 Sept. 14, 1977	53.0 116 75.1 39.4 28.4	26	17	c
BT26	Meyers Valley	NW¼NE¼ sec. 6, T. 20 N., R. 9 W., Trempealeau County, at bridge on country road, 0.4 mi south of Arcadia, Wis.	5.57	Aug. 19, 1976 Aug. 8, 1977 Sept. 14, 1977 Sept. 11, 1978	1.28 1.22 1.28 4.12	1.2	.76	c
BT1A	Tappen Coulee	SE¼SE¼ sec. 16, T. 21 N., R. 7 W., Trempealeau County, at bridge on town road, at Blair, Wis.	4.44	Aug. 19, 1976 Aug. 8, 1977 Sept. 14, 1977	.80 .55 .61	.49	.30	c
BT2A	Waumandee Creek	SW¼NW¼ sec. 2, T. 21 N., R. 11 W., Buffalo County, at bridge on private road, 1.6 mi northeast of Waumandee, Wis.	40.2	Aug. 20, 1976 Aug. 9, 1977 Sept. 14, 1977	18.5 13.8 13.6	12	7.8	c

<sup>1</sup> Based on 1972 report by Wisconsin Department of Natural Resources (DNR). Site lettered "A" was not included in 1972 DNR report.

<sup>3</sup> Additional discharge measurements are available.

**Table 27. Twin-Kewaunee River basin and Door County station locations and low-flow characteristics.**



Station <sup>1</sup> number	Stream name	Station location	Drainage area (mi <sup>2</sup> )	Date	Discharge (ft <sup>3</sup> /s)	Q <sub>7,2</sub> (ft <sup>3</sup> /s)	Q <sub>7,10</sub> (ft <sup>3</sup> /s)	Accuracy level
TK5	West Twin River	SW¼NE¼ sec. 29, T. 20 N., R. 24 E., Manitowoc County, at County Trunk B, 2.9 mi northeast of Rockwood, Wis.	161	Oct. 3, 1968 Oct. 10, 1972 Aug. 2, 1973 Oct. 21, 1975 July 12, 1976 Sept. 15, 1976	16.7 33.1 24.7 24.7 13.7 15.0	12	9.2	c
TK6	Neshota River	SE¼SE¼ sec. 22, T. 22 N., R. 22 E., Brown County, at bridge on River Road, 1.4 mi northeast of Denmark, Wis.	34.5	Oct. 4, 1968 July 19, 1972 Oct. 11, 1972 Aug. 2, 1973 Oct. 21, 1975 July 13, 1976 Sept. 14, 1976	2.50 1.26 5.71 2.42 2.22 1.06 1.08	.85	.57	c
	Neshota River tributary	NE¼SW¼ sec. 27, T. 22 N., R. 22 E., Brown County, at sewage-treatment plant, at Denmark, Wis.	1.01					

Table 27. Twin-Kewaunee River basin and Door County station locations and low-flow characteristics—Continued.

Station number	Stream name	Station location	Drainage area (mi <sup>2</sup> )	Date	Discharge (ft <sup>3</sup> /s)	Q <sub>7,2</sub> (ft <sup>3</sup> /s)	Q <sub>7,10</sub> (ft <sup>3</sup> /s)	Accuracy level
TK7	West Twin River tributary	NE¼NW¼ sec. 7, T. 20 N., R. 23 E., Manitowoc County, at bridge on County Trunk H, at Kellnersville, Wis.	2.25	Oct. 11, 1972 Aug. 2, 1973 Oct. 21, 1975 July 13, 1976	2.20 2.20 2.20 2.0	0	0	c
TK8	West Twin River tributary	NE¼SE¼ sec. 22, T. 21 N., R. 22 E., Manitowoc County, at bridge on County Trunk A, at Maribel, Wis.	.82	Oct. 11, 1972 Aug. 2, 1973 Oct. 21, 1975 July 13, 1976	2.20 2.20 2.20 2.0	0	0	c
TK9	West Twin River tributary	NW¼SW¼ sec. 30, T. 20 N., R. 23 E., Manitowoc County, at culvert on country road, 1.4 mi northeast of Rockwood, Wis.	4.80	Oct. 10, 1972 July 31, 1973 Nov. 14, 1973 Oct. 21, 1975 July 12, 1976 Sept. 14, 1976 July 25, 1977	1.39 1.10 1.36 .64 .16 .80 .49	.27	.16	c
TK10	West Twin River tributary	SE¼SE¼ sec. 14, T. 20 N., R. 23 E., Manitowoc County, at sewage-treatment plant, 0.9 mi east of Francis Creek, Wis.	.64					
	West Twin River tributary	NE¼NE¼ sec. 24, T. 20 N., R. 23 E., Manitowoc County, at culvert on County Trunk Q, 2.0 mi east of Francis Creek, Wis.	2.45	July 19, 1972 Oct. 11, 1972 July 31, 1973 Oct. 21, 1975 July 13, 1976 Sept. 14, 1976 July 25, 1977	.51 .93 .42 .87 .06 .38 .58	5	5	
TK12	East Twin River	SW¼SE¼ sec. 29, T. 22 N., R. 24 E., Kewaunee County, at bridge on country road, 1.2 mi northeast of Tisch Mills, Wis.	50.2	Oct. 11, 1972 Aug. 2, 1973 Nov. 14, 1973 Oct. 21, 1975 July 13, 1976 Sept. 15, 1976	18.6 10.1 19.9 9.06 4.17 3.22	3.1	1.9	c
TK14	East Twin River	SW¼NW¼ sec. 4, T. 20 N., R. 24 E., Manitowoc County, at State Highway 147, at Mishicot, Wis.	109	July 19, 1972 Oct. 11, 1972 July 31, 1973 Nov. 14, 1973 Oct. 21, 1975 July 13, 1976 Sept. 14, 1976	<sup>3</sup> 14.5 37.6 15.8 44.2 16.1 9.18 5.06	7.4	4.4	b
	East Twin River	NW¼NW¼ sec. 4, T. 20 N., R. 24 E., Manitowoc County, at sewage-treatment plant, at Mishicot, Wis.	111					
TK17	Kewaunee River	SE¼SW¼ sec. 14, T. 23 N., R. 24 E., Kewaunee County, at County Trunk F, 2.3 mi west of Kewaunee, Wis.	129			10	6.9	a
	Kewaunee River	NE¼SE¼ sec. 18, T. 23 N., R. 25 E., Kewaunee County, at sewage-treatment plant, at Kewaunee, Wis.	137					
TK18	Luxemburg Creek	NW¼NE¼ sec. 22, T. 24 N., R. 23 E., Kewaunee County, at bridge on country road, 0.7 mi northeast of Luxemburg, Wis.	2.36	July 19, 1972 Oct. 11, 1972 Oct. 18, 1972 Aug. 1, 1973 Oct. 22, 1975 July 13, 1976 Sept. 15, 1976	.20 .83 .53 .39 .46 .24 .15	.15	.10	c
TK19	Casco Creek	NE¼NW¼ sec. 17., T. 24 N., R. 24 E., Kewaunee County, at bridge on County Trunk C, at Casco, Wis.	10.3	July 19, 1972 Oct. 12, 1972 Aug. 1, 1973 Oct. 22, 1975 July 13, 1976 Sept. 15, 1976	3.62 5.99 3.83 4.85 1.19 .56	.60	.26	c

Table 27. Twin-Kewaunee River basin and Door County station locations and low-flow characteristics—Continued.

Station <sup>1</sup> number	Stream name	Station location	Drainage area (mi <sup>2</sup> )	Date	Discharge (ft <sup>3</sup> /s)	Q <sub>7,2</sub> (ft <sup>3</sup> /s)	Q <sub>7,10</sub> (ft <sup>3</sup> /s)	Accuracy level
TK25	Maple Creek	NE¼NW¼ sec. 19, T. 28 N., R. 27 E., Door County, at country road, 1.0 mi south of Valmy, Wis.	6.75	Oct. 2, 1968 Oct. 13, 1972 Aug. 1, 1973 Nov. 14, 1973 Oct. 23, 1975 July 12, 1976	2 <sub>0</sub> 2.13 2.61 2 <sub>0</sub> 2 <sub>0</sub> 2 <sub>0</sub>	0	0	c
TK27	Ahnapee River	NW¼NE¼ sec. 32, T. 26 N., R. 25 E., Door County, at County Trunk J, 0.3 mi west of Forestville, Wis.	32.3	Oct. 3, 1968 July 20, 1972 Oct. 12, 1972 Aug. 1, 1973 Oct. 22, 1975 July 13, 1976 Sept. 17, 1976	5.70 6.22 25.2 14.0 4.88 2.57 1.71	1.8	.90	c
TK29	Lake Michigan tributary	NE¼NE¼ sec. 20, T. 24 N., R. 25 E., Kewaunee County, at bridge on country road, 1.0 mi east of Alaska, Wis.	1.53	Oct. 12, 1972 Aug. 1, 1973 Nov. 14, 1973 Oct. 22, 1975 July 14, 1976 Sept. 15, 1976	.74 .03 .34 2.13 2 <sub>0</sub> 2 <sub>0</sub>	0	0	c
TK1A	Kewaunee River	NW¼NW¼ sec. 13, T. 24 N., R. 23 E., Kewaunee County, at bridge on State Highway 54, 2.1 mi west of Casco,	65.6	Oct. 22, 1975 July 14, 1976 July 26, 1977	6.40 .66 .77	.81	.35	c
TK2A	School Creek	NE¼SE¼ sec. 10, T. 24 N., R. 23 E., Kewaunee County, at bridge on country road, 2.0 mi northeast of Luxemburg, Wis.	24.6	Oct. 22, 1975 July 13, 1976 Sept. 15, 1976 July 26, 1977	.92 .08 .05 .12	.05	.01	c
TK3A	Silver Creek	NE¼SW¼ sec. 28, T. 25 N., R. 25 E., Kewaunee County, at bridge on country road, 1.7 mi west of post office in Algoma, Wis.	61.3	Oct. 22, 1975 July 13, 1976 Sept. 15, 1976 July 26, 1977	4.80 .08 .16 .06	.08	.01	c

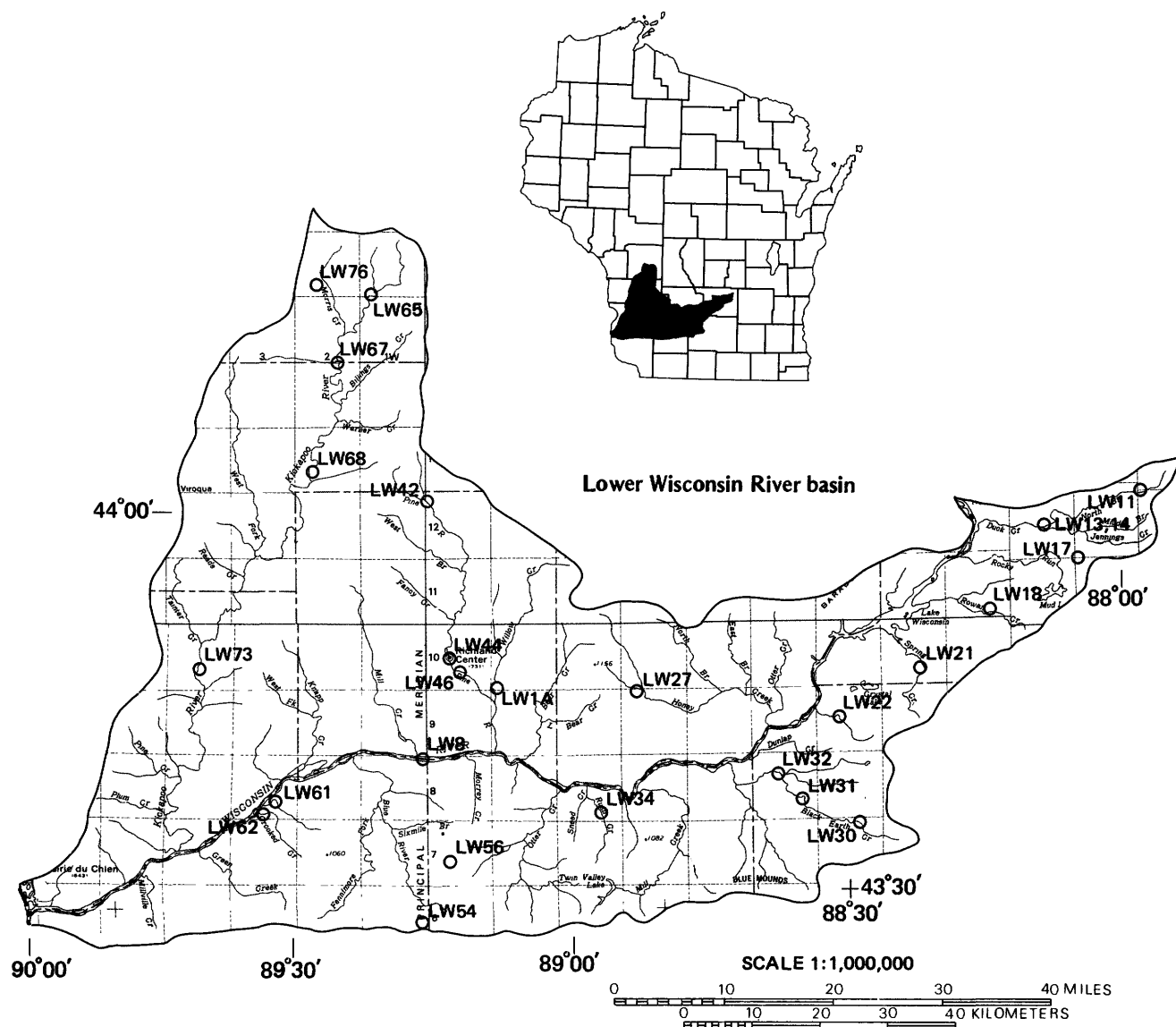
<sup>1</sup>Based on 1971 report by Wisconsin Department of Natural Resources (DNR). Site lettered "A" was not included in 1971 DNR report.

<sup>2</sup>Streambed is dry.

<sup>3</sup>Additional discharge measurements are available.

<sup>5</sup>No estimate possible—discharge is primarily effluent.

Table 28. Lower Wisconsin River basin station locations and low-flow characteristics.



Base from U.S. Geological Survey  
State base map, 1968

Station number	Stream name	Station location	Drainage area (mi <sup>2</sup> )	Date	Discharge (ft <sup>3</sup> /s)	Q <sub>7,2</sub> (ft <sup>3</sup> /s)	Q <sub>7,10</sub> (ft <sup>3</sup> /s)	Accuracy level
LW8	Wisconsin River	SE¼NW¼ sec. 1, T. 8 N., R. 1 W., Grant County, on left bank at bridge on State Highway 80, 0.5 mi upstream from Eagle Mill Creek, 1.0 mi north of Muscoda, Wis.	10,450			3,770	2,790	a
LW11	North Branch Duck Creek	NE¼NW¼ sec. 6, T. 12 N., R. 12 E., Columbia County, at bridge on town road, 0.1 mi downstream from sewage-treatment plant, 0.6 mi west of Cambria, Wis.	8.55	July 5, 1972 June 25, 1973 Oct. 10, 1975 Sept. 5, 1978	4 <sub>0</sub> 8.50 .96 .86	<.01	<.01	c
LW13, 14	Duck Creek	NE¼NW¼ sec. 21, T. 12 N., R. 10 E., Columbia County, at bridge in park, at Wyocena, Wis.	79.6	July 5, 1972 June 25, 1973 Aug. 21, 1973 Oct. 10, 1975	20.7 43.3 35.3 17.9	15	12	c



Table 28. Lower Wisconsin River basin station locations and low-flow characteristics—Continued.

Station number	Stream name	Station location	Drainage area (mi <sup>2</sup> )	Date	Discharge (ft <sup>3</sup> /s)	Q <sub>7,2</sub> (ft <sup>3</sup> /s)	Q <sub>7,10</sub> (ft <sup>3</sup> /s)	Accuracy level
LW17	Rocky Run tributary	SE¼NE¼ sec. 1, T. 11 N., R. 10 E., Columbia County, at sewage-treatment plant, 0.5 mi northwest of Rio, Wis.	1.55	July 5, 1972 June 25, 1973 Aug. 21, 1973 Oct. 10, 1975	<sup>2</sup> / <sub>0</sub> <sup>2</sup> / <sub>0</sub> 5.57 <sup>2</sup> / <sub>0</sub>	0	0	c
LW18	Rowan Creek	NE¼SW¼ sec. 35, T. 11 N., R. 9 E., Columbia County, at bridge on U.S. Highway 51, in Poynette, Wis.	10.4	Oct. 10, 1975 Aug. 3, 1977	<sup>3</sup> / <sub>6.22</sub> 6.95	3.6	2.8	b
LW21	Spring Creek	SE¼NE¼ sec. 27, T. 10 N., R. 8 E., Columbia County, at bridge on town road, in Lodi, Wis.	37.0			16	15	b
LW22	Blums Creek	SW¼SW¼ sec. 16, T. 9 N., R. 7 E., Dane County, at bridge on town road, in Roxbury, Wis.	9.27	July 5, 1972 June 25, 1973 Aug. 21, 1973 Oct. 9, 1975	.03 .88 .90 .82	.01	<.01	c
LW27	Honey Creek tributary	SE¼SE¼ sec. 5, T. 9 N., R. 4 E., Sauk County, at sewage-treatment plant about 600 ft downstream from State Highway 23 bridge, in Plain, Wis.	6.59	July 7, 1972 June 26, 1973 Aug. 22, 1973 Oct. 7, 1975	.69 1.61 1.38 .99	.56	.41	c
LW30	Black Earth Creek	SW¼NW¼ sec. 3, T. 7 N., R. 7 E., Dane County, at bridge on County Trunk KP, in Cross Plains, Wis.	26.1	July 7, 1972 June 25, 1973 July 27, 1973 Aug. 22, 1973 Dec. 12, 1973 Oct. 9, 1975	7.63 19.6 19.6 14.8 15.3 13.8	6.0	4.3	c
LW31	Black Earth Creek	SE¼SW¼ sec. 25, T. 8 N., R. 6 E., Dane County, 100 ft upstream from unnamed tributary, 0.7 mi east of Black Earth, Wis.	45.6			17	13	a
	Black Earth Creek	SE¼NW¼ sec. 26, T. 8 N., R. 6 E., Dane County, at bridge on U.S. Highway 14 and State Highway 78, 200 ft upstream from sewage-treatment plant, at Black Earth, Wis.	48.3					
LW32	Black Earth Creek	SW¼SW¼ sec. 9, T. 8 N., R. 6 E., Dane County, at bridge on Bridge Street, at Mazomanie, Wis.	99.0	July 7, 1972 June 26, 1973 July 27, 1973 Aug. 21, 1973 Dec. 12, 1973 Oct. 9, 1975	28.0 76.8 67.0 60.7 56.8 39.3	22	15	c
LW34	Rush Creek	SW¼NW¼ sec. 35, T. 8 N., R. 3 E., Iowa County, at bridge on State Highway 23, 4.2 mi southwest of Spring Green, Wis.	13.9	Aug. 19, 1970 June 21, 1977 Sept. 5, 1978	3.18 3.24 5.81	3.0	2.0	c
LW42	Pine River	SW¼SW¼ sec. 6, T. 12 N., R. 1 E., Richland County, at bridge on State Highway 80, at Yuba, Wis.	27.2	July 6, 1972 Oct. 17, 1972 June 26, 1973 Aug. 22, 1973 June 3, 1974 Sept. 9, 1974 Oct. 9, 1975 May 15, 1975	5.27 12.9 19.8 14.9 18.6 10.5 10.7 16.8	3.7	2.5	c
LW44	Pine River	SW¼NW¼ sec. 21, T. 10 N., R. 1 E., Richland County, at sewage-treatment plant, at Richland Center, Wis.	190	Oct. 18, 1972 June 27, 1973 Aug. 22, 1973 Oct. 7, 1975	110 189 129 87.6	65	55	c

Table 28. Lower Wisconsin River basin station locations and low-flow characteristics—Continued.

Station number	Stream name	Station location	Drainage area (mi <sup>2</sup> )	Date	Discharge (ft <sup>3</sup> /s)	Q <sub>7,2</sub> (ft <sup>3</sup> /s)	Q <sub>7,10</sub> (ft <sup>3</sup> /s)	Accuracy level
LW46	Pine River	SE¼SE¼ sec. 27, T. 10 N., R. 1 E., Richland County, at bridge on County Trunk O, 2.5 mi southeast of Richland Center, Wis.	198	July 6, 1972 Oct. 18, 1972 Oct. 7, 1975	<sup>3</sup> 94.0 131 104	74	63	b
	Pine River	NE¼NW¼ sec. 35, T. 10 N., R. 1 E., Richland County, at sewage-treatment plant outfall at County Home, near Richland Center, Wis.	202					
LW54	Blue River tributary	NE¼SW¼ sec. 24, T. 6 N., R. 1 W., Grant County, at sewage-treatment plant, in Montfort, Wis.	.58	July 7, 1972 June 28, 1973 Aug. 23, 1973 Oct. 8, 1975	.55 1.26 1.12 .64	.36	.26	c
LW56	Big Spring Branch	NE¼SE¼ sec. 29, T. 7 N., R. 1 E., Iowa County, at sewage-disposal pond, at Highland, Wis.	.68	Aug. 23, 1973 Oct. 8, 1975 Sept. 5, 1978	.30 <.01 .03	.01	<.01	c
LW61	Saunders Creek	SE¼NE¼ sec. 27, T. 8 N., R. 3 W., Crawford County, at sewage-treatment plant, in Boscobel, Wis.	17.1	July 6, 1972 June 27, 1973 Aug. 23, 1973 Oct. 8, 1975	4.88 13.9 12.5 6.91	3.4	2.4	c
LW62	Crooked Creek	NW¼NE¼ sec. 4, T. 7 N., R. 3 W., Grant County, at bridge on State Highway 132, 1.6 mi southwest of Boscobel, Wis.	16.7	Oct. 8, 1975 June 21, 1977 Sept. 5, 1978	10.1 7.09 6.94	6.6	5.3	c
LW65	Kickapoo River	NW¼NW¼ sec. 6, T. 15 N., R. 1 W., Monroe County, at bridge on State Highway 131, 500 ft upstream from sewage-treatment plant, at Wilton, Wis.	34.9	Aug. 18, 1970 July 6, 1972 June 26, 1973 Oct. 9, 1975 Sept. 8, 1977	7.88 9.66 25.8 13.5 7.26	6.6	4.8	c
LW67	Kickapoo River	SW¼NW¼ sec. 2, T. 14 N., R. 2 W., Vernon County, at bridge on State Highway 33, 0.1 mi upstream from sewage-treatment plant, in Ontario, Wis.	117	Aug. 26, 1969 Sept. 29, 1969 Aug. 18, 1970 Dec. 7, 1972 June 26, 1973	34.0 55.4 29.2 45.5 86.0	28	21	c
LW68	Kickapoo River	SE¼NW¼ sec. 29, T. 13 N., R. 2 W., Vernon County, on left bank 10 ft upstream from bridge on State Highway 82, in La Farge, 0.3 mi upstream from Otter Creek, 1.0 mi downstream from powerplant.	266			77	63	a
LW73	Kickapoo River	NE¼ sec. 28, T. 10 N., R. 4 W., Crawford County, on upstream side of State Highway 171 bridge, 300 ft downstream from dam in Gays Mills, 3.3 mi downstream from Tainter Creek.	617			203	153	a
LW76	Morris Creek tributary	SW¼SE¼ sec. 28, T. 16 N., R. 2 W., Monroe County, at sewage-treatment plant, 400 ft downstream from County Highway U bridge, in Norwalk, Wis.	19.9	July 6, 1972 June 26, 1973 Aug. 23, 1973 Oct. 9, 1975 Sept. 8, 1977	4.98 8.82 19.2 4.77 3.17	2.8	1.8	c

**Table 28. Lower Wisconsin River basin station locations and low-flow characteristics—Continued.**

Station <sup>1</sup> number	Stream name	Station location	Drainage area (mi <sup>2</sup> )	Date	Discharge (ft <sup>3</sup> /s)	Q <sub>7,2</sub> (ft <sup>3</sup> /s)	Q <sub>7,10</sub> (ft <sup>3</sup> /s)	Accuracy level
LW1A	Willow Creek	SE¼SW¼ sec. 6, T. 9 N., R. 2 E., Richland County, 100 ft upstream from bridge on U.S. Highway 14, 2.0 mi southeast of State Highway 58, 2.3 mi north of Gotham, 6 mi southeast of Richland Center, Wis.	82.5	Oct. 7, 1975 May 28, 1976	<sup>3</sup> 40.5 45.6	31	27	b

<sup>1</sup>Based on 1972 report by Wisconsin Department of Natural Resources (DNR). Site lettered "A" was not included in 1972 DNR report.

<sup>2</sup>Streambed is dry.

<sup>3</sup>Additional discharge measurements are available.

<sup>4</sup>Negligible discharge—water ponded, unable to measure velocity.

Table 29. Upper Wisconsin River basin station locations and low-flow characteristics.

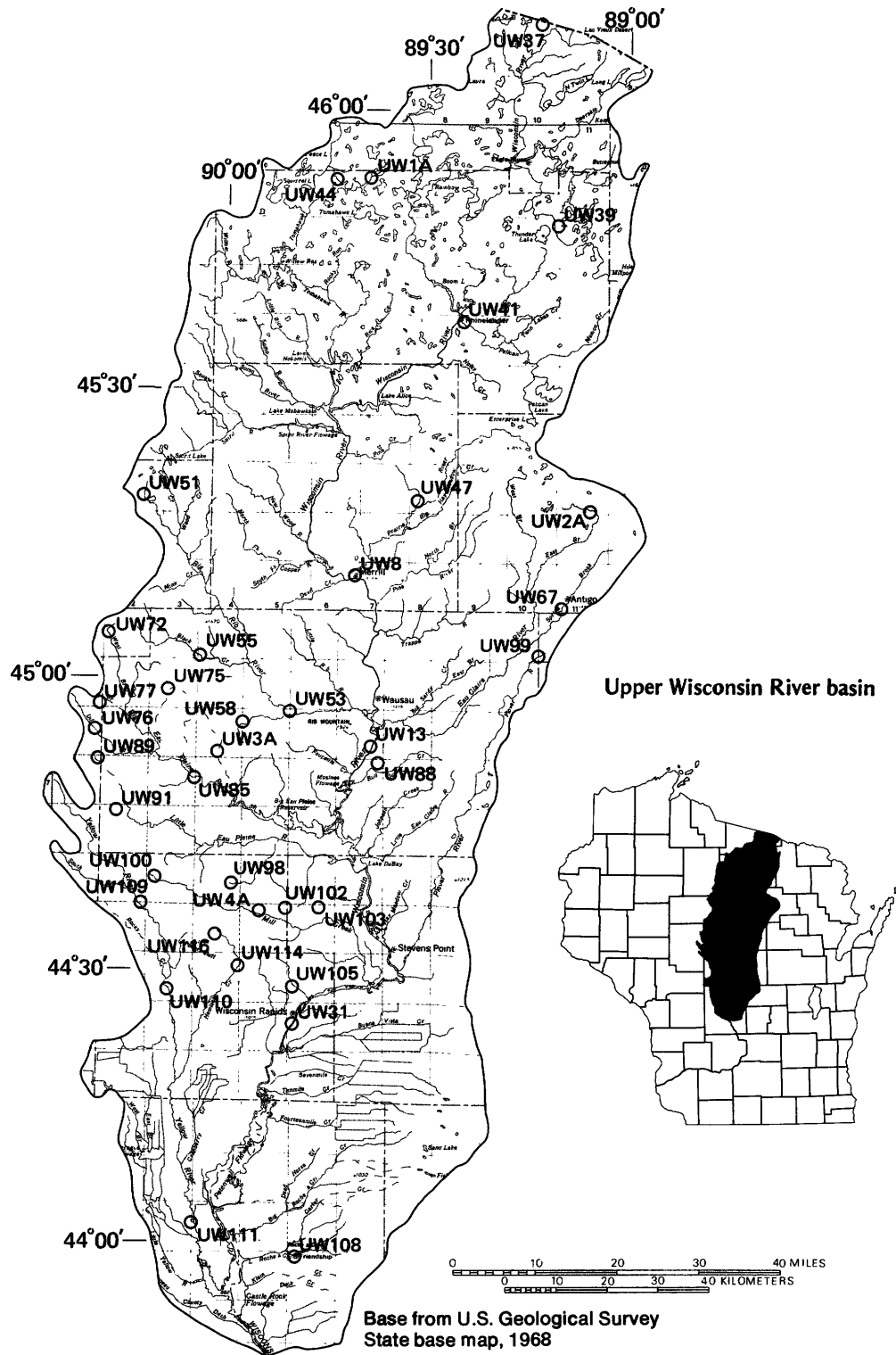


Table 29. Upper Wisconsin River basin station locations and low-flow characteristics—Continued.

Station number <sup>1</sup>	Stream name	Station location	Drainage area (mi <sup>2</sup> )	Date	Discharge (ft <sup>3</sup> /s)	Q <sub>7,2</sub> (ft <sup>3</sup> /s)	Q <sub>7,10</sub> (ft <sup>3</sup> /s)	Accuracy level
UW8	Wisconsin River	SW¼SE¼ sec. 12, T. 31 N., R. 6 E., Lincoln County, on left bank 300 ft downstream from highway bridge at east end of Merrill, 0.5 mi downstream from Prairie River.	2,760			1,330	880	a
UW13	Wisconsin River	NW¼NE¼ sec. 26, T. 28 N., R. 7 E., Marathon County, on left bank at Rothschild, 0.5 mi downstream from Rothschild Dam, 2.0 mi downstream from Eau Claire River, 5.0 mi upstream from Black Creek, 5.5 mi south of bridge on State Highway 29, in Wausau, Wis.	4,020			1,460	950	a
UW31	Wisconsin River	SW¼ sec. 24, T. 22 N., R. 5 E., Wood County, at Centralia power-plant of Nekoosa-Edwards Paper Company, 1.6 mi downstream from Chicago and NorthWestern Railroad bridge, in Wisconsin Rapids, Wis.	5,430			1,870	1,280	a
UW37	Wisconsin River tributary	SW¼SW¼ sec. 35, T. 43 N., R. 10 E., Vilas County, just upstream from sewage-treatment plant, at Land O' Lakes, Wis.	.44	July 12, 1972 June 20, 1973 July 23, 1974 July 15, 1975 Aug. 1, 1975	0.23 4.30 4.0 4.0 4.0	0	0	c
UW39	Townline Creek	SE¼NE¼ sec. 1, T. 38 N., R. 10 E., Oneida County, at U.S. Highway 45, 0.8 mi north of Three Lakes, Wis.	3.29	July 13, 1972 Dec. 1, 1972 June 21, 1973 Aug. 30, 1973 July 15, 1975 Aug. 1, 1975	4.0 2.61 4.48 4.0 4.0 4.0	0	0	c
UW41	Pelican River	NW¼NW¼ sec. 8, T. 36 N., R. 9 E., Oneida County, at bridge on County Trunk G, at Rhinelander, Wis.	264	July 13, 1972 June 21, 1973 Aug. 30, 1973 Oct. 3, 1973 July 16, 1975 Aug. 2, 1975 Aug. 19, 1975 Jan. 16, 1976 Sept. 16, 1976	75.2 145 153 183 55.6 22.4 20.6 143 6.76	19	10	c
UW44	Tomahawk River	NW¼SE¼ sec. 9, T. 39 N., R. 6 E., Oneida County, at bridge on State Highway 70, 1.8 mi west of Minocqua, Wis.	74.2	June 28, 1971 Oct. 11, 1971 July 11, 1972 June 20, 1973 Aug. 29, 1973 July 25, 1974 July 14, 1975 Aug. 1, 1975	8.56 121 8.16 138 59.4 14.7 67.5 10.0	6	6	
UW47	North Branch Prairie River	NE¼NE¼ sec. 19, T. 33 N., R. 8 E., Lincoln County, at bridge on Axen Road, 2.2 mi north of Gleason, Wis.	34.8	Oct. 12, 1971 July 10, 1972 June 21, 1973 Aug. 28, 1973 Oct. 3, 1973 July 15, 1975 Aug. 2, 1975 Sept. 16, 1976	16.7 14.0 22.5 15.7 21.1 26.0 11.1 12.9	12	9.4	c
UW51	Sheep Ranch Creek	SW¼NE¼ sec. 27, T. 33 N., R. 2 E., Taylor County, at culvert on private road, at Rib Lake, Wis.	7.84	Sept. 6, 1972 July 11, 1973 Aug. 15, 1973 July 31, 1975 July 8, 1976 Sept. 15, 1976	1.49 .87 1.32 .21 .51 .25	.43	.17	c

Table 29. Upper Wisconsin River basin station locations and low-flow characteristics—Continued.

Station <sup>1</sup> number	Stream name	Station location	Drainage area (mi <sup>2</sup> )	Date	Discharge (ft <sup>3</sup> /s)	Q <sub>7,2</sub> (ft <sup>3</sup> /s)	Q <sub>7,10</sub> (ft <sup>3</sup> /s)	Accuracy level
UW53	Rib River	NE¼SW¼ sec. 6, T. 28 N., R. 6 E., Marathon County, at bridge on State Highway 107, at Marathon, Wis.	365	Oct. 24, 1968 Aug. 27, 1969 June 22, 1973 Aug. 15, 1973 Oct. 2, 1973 July 8, 1976	96.4 27.5 109 55.2 92.6 21.2	29	17	c
UW55	Black Creek	SW¼SE¼ sec. 31, T. 30 N., R. 4 E., Marathon County, at bridge on State Highway 97, at Athens, Wis.	39.9	Sept. 6, 1972 July 11, 1973 Aug. 15, 1973 Oct. 2, 1973 July 24, 1974 July 31, 1975 July 8, 1976	6.02 2.77 2.82 1.50 1.75 .40 .58	.72	.19	c
UW58	Scotch Creek	SE¼SW¼ sec. 7, T. 28 N., R. 5 E., Marathon County, on town road, 0.1 mi east of County Trunk H, in Edgar, Wis.	15.3					
	Scotch Creek	SE¼SE¼ sec. 7, T. 28 N., R. 5 E., Marathon County, at bridge on country road, 0.7 mi east of County Trunk H in Edgar, Wis.	16.9	Sept. 6, 1972 July 11, 1973 Aug. 15, 1973 Oct. 2, 1973 July 24, 1974 July 31, 1975 July 8, 1976	3.65 1.03 .46 .64 .42 .13 .13	.23	.04	c
UW67	Spring Brook	SE¼NE¼ sec. 4, T. 30 N., R. 11 E., Langlade County, upstream from sewage-treatment plant, 2.1 mi southwest of Antigo, Wis.	39.6	July 10, 1972 June 19, 1973 Aug. 28, 1973 July 15, 1975 Aug. 2, 1975 Sept. 14, 1976 Aug. 16, 1977	10.4 9.68 33.8 6.77 19.8 7.44 3.84	4.6	2.5	c
UW72	West Branch Big Eau Pleine River	NE¼SE¼ sec. 19, T. 30 N., R. 2 E., Taylor County, at bridge on town road, 0.9 mi southeast of Stetsonville, Wis.	2.95					
	West Branch Big Eau Pleine River	SW¼SW¼ sec. 20, T. 30 N., R. 2 E., Taylor County, at bridge on country road, 1.3 mi southeast of Stetsonville, Wis.	3.31	Sept. 6, 1972 July 11, 1973 Aug. 15, 1973 Oct. 2, 1973 July 23, 1974 July 8, 1976	4.0 2.0 4.0 2.01 2.0 2.0	0	0	c
UW75	Randall Creek	SE¼NE¼ sec. 21, T. 29 N., R. 3 E., Marathon County, at bridge on country road, 1.9 mi east of Milan, Wis.	3.93	July 8, 1976 Sept. 13, 1976 Aug. 15, 1977	2.0 2.0 4.0	0	0	c
UW76	Dill Creek	NW¼SW¼ sec. 13, T. 28 N., R. 1 E., Clark County, at bridge on County Trunk N, 0.9 mi west of State Highway 13 in Colby, Wis.	12.3	Sept. 7, 1972 July 11, 1973 Aug. 15, 1973 Oct. 2, 1973 July 24, 1974 July 8, 1976 Sept. 13, 1976 Aug. 15, 1977	4.0 .32 .32 .78 .18 .19 .15 .36	.19	.09	c
UW77	Elm Brook	SE¼SW¼ sec. 31, T. 29 N., R. 2 E., Marathon County, at bridge on State Highway 29, in Abbotsford, Wis.	.31	Sept. 7, 1972 July 11, 1973 Aug. 15, 1973 Oct. 2, 1973 July 8, 1976	.18 .03 <.03 est. .06 <.02 est.	<.01	<.01	c
UW85	Big Eau Pleine River	NW¼SW¼ sec. 18, T. 27 N., R. 4 E., Marathon County, at bridge on State Highway 97, 1.2 mi north of Stratford, Wis.	224			2.2	.50	a

Table 29. Upper Wisconsin River basin station locations and low-flow characteristics—Continued.

Station number	Stream name	Station location	Drainage area (mi <sup>2</sup> )	Date	Discharge (ft <sup>3</sup> /s)	Q <sub>7,2</sub> (ft <sup>3</sup> /s)	Q <sub>7,10</sub> (ft <sup>3</sup> /s)	Accuracy level
UW88	Peplin Creek	SE¼SW¼ sec. 35, T. 27 N., R. 7 E., Marathon County, at bridge on country road, 3.3 mi southeast of Mosinee, Wis.	6.37	July 11, 1972 Sept. 6, 1972 June 22, 1973 Aug. 15, 1973 Oct. 2, 1973 July 23, 1974 July 8, 1976	4.0 4.0 .02 4.02 4.0 4.0 4.0	0	0	c
UW89	Little Eau Pleine River	SW¼NE¼ sec. 1, T. 27 N., R. 1 E., Clark County, at sewage-disposal lagoon, 0.5 mi northwest of Unity, Wis.	7.42	Sept. 7, 1972 July 11, 1973 Aug. 15, 1973 Oct. 2, 1973 July 23, 1974 July 8, 1976	4.0 4.0 4.0 4.0 4.0 4.0	0	0	c
UW91	Tributary to Little Eau Pleine River tributary	SW¼SE¼ sec. 5, T. 26 N., R. 2 E., Marathon County, at bridge on County Trunk C, 0.6 mi east of Spencer, Wis.	1.05	Sept. 7, 1972 July 11, 1973 Aug. 15, 1973 Oct. 2, 1973 July 23, 1974 July 8, 1976	.21 .03 est. .02 est. 4.01 4.0 <.01 est.	<.01	<.01	c
UW98	Little Bear Creek	NE¼SE¼ sec. 23, T. 25 N., R. 4 E., Wood County, at sewage-disposal ponds, 1.0 mi northeast of Auburndale, Wis.	1.50	July 11, 1972 Sept. 5, 1972 July 10, 1973 Aug. 14, 1973 Oct. 1, 1973 July 23, 1974 July 7, 1976	4.0 4.0 4.0 4.0 4.0 4.0 2.0	0	0	c
UW99	Plover River	SW¼NW¼ sec. 31, T. 30 N., R. 11 E., Langlede County, at culvert on County Trunk HH, 2.1 mi north of Aniwa, Wis.	6.86	July 10, 1972 June 19, 1973 Aug. 28, 1973 July 15, 1975 Aug. 2, 1975 Sept. 14, 1976 Aug. 16, 1977	.44 1.80 .73 .08 .27 4.06 4.0	.02	<.01	c
UW100	Mill Creek	NE¼SE¼ sec. 18, T. 25 N., R. 3 E., Wood County, at culvert on town road, 1.5 mi south of post office, in Marshfield, Wis.	2.03	July 11, 1972 Sept. 7, 1972 July 10, 1973 Aug. 14, 1973 Oct. 1, 1973 July 24, 1974 July 7, 1976 Sept. 13, 1976 Aug. 15, 1977	.45 .38 .61 .62 .10 .22 .29 .21 .28	<u>2</u>	<u>2</u>	
	Mill Creek	SE¼SW¼ sec. 17, T. 25 N., R. 3 E., Wood County, at sewage-treatment plant, 1.7 mi south of post office in Marshfield, Wis.	2.44					
UW102	Mill Creek tributary	NW¼NE¼ sec. 12, T. 24 N., R. 5 E., Wood County, at bridge on country road, 1.5 mi south of Milladore, Wis.	2.63	July 11, 1972 Sept. 5, 1972 July 10, 1973 Aug. 14, 1973 Oct. 1, 1973 July 23, 1974 July 9, 1976	2.0 2.0 2.0 2.0 2.0 4.0 4.0	0	0	c
UW103	Mill Creek tributary	NE¼NW¼ sec. 11, T. 24 N., R. 6 E., Portage County, at sewage-disposal ponds, 0.5 mi south of Junction City, Wis.	1.40	July 10, 1972	2.0	0	0	c
UW105	Wisconsin River tributary	SE¼NW¼ sec. 9, T. 23 N., R. 6 E., Wood County, at sewage-disposal pond, at Rudolph, Wis.	.31	Sept. 5, 1972 July 10, 1973 Oct. 1, 1973 July 23, 1974 July 9, 1976	2.0 2.0 2.0 2.0 2.0	0	0	c

Table 29. Upper Wisconsin River basin station locations and low-flow characteristics—Continued.

Station number <sup>1</sup>	Stream name	Station location	Drainage area (mi <sup>2</sup> )	Date	Discharge (ft <sup>3</sup> /s)	Q <sub>7,2</sub> (ft <sup>3</sup> /s)	Q <sub>7,10</sub> (ft <sup>3</sup> /s)	Accuracy level
UW108	Little Roche a Cri Creek	SW¼NW¼ sec. 5, T. 17 N., R. 6 E., Adams County, just downstream from dam, at Friendship, Wis.	57.5	July 10, 1972 Sept. 5, 1972 June 22, 1973 Aug. 14, 1973 Oct. 1, 1973 July 23, 1974 July 7, 1976 Sept. 13, 1976	38.0 32.3 68.8 35.4 28.4 33.6 31.2 18.2	22	19	c
UW109	Yellow River	SW¼SW¼ sec. 36, T. 25 N., R. 2 E., Wood County, at bridge on U.S. Highway 10, 2.0 mi south of Bakerville, Wis.	102	Sept. 7, 1972 July 10, 1973 Aug. 14, 1973 Oct. 1, 1973 July 23, 1974 July 7, 1976	15.7 3.90 2.94 4.49 4.0 4.0	.37	.09	c
UW110	Yellow River	SW¼SE¼ sec. 21, T. 23 N., R. 3 E., Wood County, at bridge on State Highways 13 and 73, 1.5 mi northwest of Pittsville, Wis.	180	Sept. 7, 1972 July 10, 1973 Aug. 14, 1973 Oct. 1, 1973 July 24, 1974 July 7, 1976	26.7 6.49 5.80 5.02 1.20 .69	.92	.24	c
UW111	Yellow River	SW¼ sec. 18, T. 18 N., R. 4 E., Juneau County, at powerplant of Wisconsin Power and Light Company, at Necedah, 5.0 mi downstream from Cranberry Creek.	491			34	8.7	a
UW114	Hemlock Creek	SW¼SE¼ sec. 12, T. 23 N., R. 4 E., Wood County, just downstream from dam, at Vesper, Wis.	41.2	July 11, 1972 Sept. 5, 1972 July 10, 1973 Aug. 14, 1973 Oct. 1, 1973 July 23, 1974 July 7, 1976	.10 1.22 .68 .31 4.05 4.0 < .01	< .01	< .01	c
UW116	Hemlock Creek	SE¼SE¼ sec. 21, T. 24 N., R. 4 E., Wood County, at bridge on State Highway 186, 0.5 mi east of Arpin, Wis.	5.38	July 11, 1972 Sept. 5, 1972 July 9, 1973 Aug. 14, 1973 Oct. 1, 1973 July 7, 1976	4.0 4.0 4.0 4.0 4.0 2.0	0	0	c
UW1A	Tomahawk River tributary	NW¼NW¼ sec. 8, T. 39 N., R. 7 E., Oneida County, on County Trunk J, 2.4 mi east of Woodruff, Wis.	21.9	July 14, 1975 Aug. 1, 1975 Sept. 15, 1976	6.89 4.72 1.15	4.7	.68	c
UW2A	East Branch Eau Claire River	NE¼SW¼ sec. 35, T. 33 N., R. 11 E., Langlade County, at bridge on fire lane, 4.0 mi east of Kempster, Wis.	38.6	Oct. 10, 1974 July 15, 1975 Aug. 1, 1975 Sept. 14, 1976 Aug. 16, 1977	3.75 .57 .05 .02 .14	.07	.01	c
UW3A	Fenwood Creek	SW¼SW¼ sec. 34, T. 28 N., R. 4 E., Marathon County, at bridge on County Trunk P, at Fenwood, Wis.		July 8, 1976 Sept. 13, 1976 Aug. 15, 1977	4.0 4.0 4.0	0	0	c
UW4A	Mill Creek	NE¼NW¼ sec. 9, T. 24 N., R. 5 E., Wood County, at bridge on County Trunk F, at Sherry, Wis.	41.6	Oct. 23, 1968 Aug. 27, 1969 Sept. 13, 1976 Aug. 15, 1977	5.20 3.75 1.64 3.59	1	1	

<sup>1</sup> Based on 1970 report by Wisconsin Department of Natural Resources (DNR). Site lettered "A" was not included in 1970 DNR report.

<sup>2</sup> Streambed is dry.

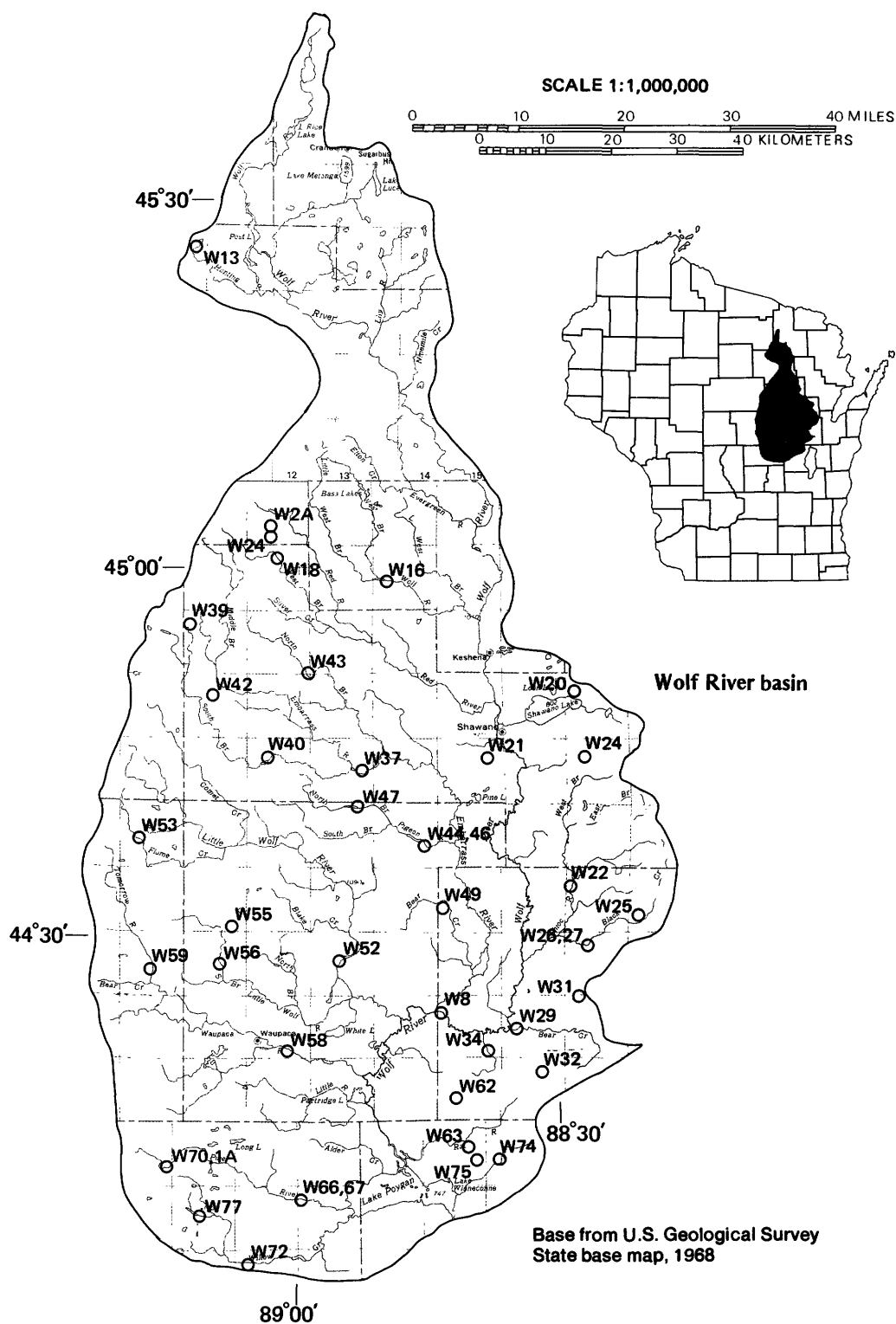
<sup>4</sup> Negligible discharge—water ponded, unable to measure velocity.

<sup>6</sup> No estimate possible due to regulation upstream.

<sup>7</sup> Unable to define relationship.



Table 30. Wolf River basin station locations and low-flow characteristics.



Station number	Stream name	Station location	Drainage area (mi <sup>2</sup> )	Date	Discharge (ft <sup>3</sup> /s)	Q <sub>7,2</sub> (ft <sup>3</sup> /s)	Q <sub>7,10</sub> (ft <sup>3</sup> /s)	Accuracy level
W8	Wolf River	SE¼ sec. 12, T. 22 N., R. 14 E., Waupaca County, at Pearl Street Bridge, at New London, Wis.	2,240			670	470	a

Table 30. Wolf River basin station locations and low-flow characteristics—Continued.

Station number	Stream name	Station location	Drainage area (mi <sup>2</sup> )	Date	Discharge (ft <sup>3</sup> /s)	Q <sub>7,2</sub> (ft <sup>3</sup> /s)	Q <sub>7,10</sub> (ft <sup>3</sup> /s)	Accuracy level
W13	Hunting River	SE¼SE¼ sec. 11, T. 34 N., R. 10 E., Langlade County, at culvert on country road, 0.9 mi west of Elcho, Wis.	1.69	Aug. 2, 1972 June 19, 1973 July 15, 1973 July 15, 1975 Aug. 1, 1975 Sept. 14, 1976	0.51 2.31 5.82 .67 .41 .73	0.41	0.26	c
W16	West Branch Wolf River	SE¼NW¼ sec. 20, T. 29 N., R. 14 E., Menomonee County, at dam and powerplant, at Neopit, Wis.	108	Aug. 2, 1972 July 10, 1973 Aug. 14, 1973 June 26, 1974 July 23, 1974 July 15, 1975	<sup>3</sup> 113 143 122 85.1 87.6 107	65	32	b
W18	West Branch Red River	NE¼NE¼ sec. 9, T. 29 N., R. 12 E., Shawano County, at County Trunk D, 0.3 mi north of Mattoon, Wis.	21.9	Oct. 19, 1965 Aug. 2, 1972 July 11, 1973 Aug. 14, 1973 July 23, 1974 July 15, 1975 July 8, 1976	23.2 14.6 19.4 11.3 10.2 10.9 12.2	8.4	5.6	c
W20	Duchess Creek	SW¼NW¼ sec. 8, T. 27 N., R. 17 E., Shawano County, at culvert on County Trunk H, 1.8 mi northwest of Cecil, Wis.	6.58	Aug. 2, 1972 July 10, 1973 Aug. 14, 1973 July 24, 1974 July 16, 1975 July 8, 1976 July 27, 1977	1.20 1.46 .99 .10 1.36 1.26 .05	.05	.01	c
W21	Wolf River tributary	SW¼NW¼ sec. 13, T. 26 N., R. 15 E., Shawano County, at bridge on country road, 1.2 mi southeast of Shawano County Hospital, 2.3 mi northeast of Belle Plaine, Wis.	6.22	Aug. 1, 1972 July 11, 1973 Aug. 15, 1973 July 24, 1974 July 14, 1975 July 7, 1976	<sup>2</sup> 20 20 20 40 20 20	0	0	c
W22	Shioc River	NE¼SW¼ sec. 7, T. 24 N., R. 17 E., Outagamie County, at State Highway 156, 0.8 mi west of Nichols, Wis.	92.0	Aug. 1, 1972 July 10, 1973 Aug. 14, 1973 July 24, 1974 July 14, 1975 July 6, 1976 July 27, 1977	<sup>3</sup> 2.62 7.66 5.57 11.1 14.9 2.16 .09	.33	.06	b
W24	West Branch Shioc River	SW¼SE¼ sec. 8, T. 26 N., R. 17 E., Shawano County, 0.2 mi upstream from country road, 0.3 mi southwest of Bonduel, Wis.	4.00	Aug. 2, 1972 July 10, 1973 Aug. 14, 1973 July 24, 1974 July 16, 1975 July 8, 1976	.45 1.53 1.60 .31 .58 .36	.06	.02	c
W25	Black Creek	SE¼SW¼ sec. 29, T. 24 N., R. 18 E., Outagamie County, at bridge on County Trunk G, 0.8 mi west of Seymour, Wis.	24.1	Aug. 13, 1969 Aug. 29, 1969 Aug. 1, 1972 July 10, 1973 Aug. 14, 1973 July 24, 1974 July 14, 1975 July 6, 1976	.16 .09 .15 .27 .19 .16 .73 .15	.07	.04	c
W26, 27	Black Creek	SE¼NE¼ sec. 8, T. 23 N., R. 17 E., Outagamie County, at State Highway 47, 0.3 mi north of Black Creek, Wis.	55.9	Aug. 1, 1972 July 10, 1973 Aug. 14, 1973 July 24, 1974 July 14, 1975	<sup>3</sup> .11 2.78 .70 1.36 < .10 est.	.10	.03	b
W29	Bear Creek	NW¼NE¼ sec. 20, T. 22 N., R. 16 E., Outagamie County, at State Highway 76, at Stephenville, Wis.	59.4	July 31, 1972 July 10, 1973 Aug. 13, 1973 July 14, 1975 July 8, 1976	<sup>3</sup> .92 6.55 2.33 3.52 .81	.54	.23	b

Table 30. Wolf River basin station locations and low-flow characteristics—Continued.

Station number	Stream name	Station location	Drainage area (mi <sup>2</sup> )	Date	Discharge (ft <sup>3</sup> /s)	Q <sub>7,2</sub> (ft <sup>3</sup> /s)	Q <sub>7,10</sub> (ft <sup>3</sup> /s)	Accuracy level
W31	Tributary to Bear Creek tributary	SW¼SE¼ sec. 5, T. 22 N., R. 17 E., Outagamie County, at bridge on country road, 5.2 mi south of Black Creek, Wis.	2.19	Aug. 1, 1972	4.0	0	0	c
				July 10, 1973	4.0			
				Aug. 14, 1973	4.0			
				July 14, 1975	4.0			
				July 8, 1976	4.0			
W32	Bear Creek	NW¼NW¼ sec. 14, T. 21 N., R. 16 E., Outagamie County, at culvert on State Highway 76, at Greenville, Wis.	1.98	July 31, 1972	2.0	0	0	c
				July 9, 1973	2.0			
				Aug. 13, 1973	2.0			
				July 14, 1975	4.0			
				July 8, 1976	4.0			
W34	Black Otter Creek	NW¼SE¼ sec. 35, T. 22 N., R. 15 E., Outagamie County, at local road 0.2 mi north of U.S. Highway 45, northwest edge of Hortonville, Wis.	15.9	Aug. 12, 1969	1.25	.47	.29	c
				Aug. 27, 1969	.48			
				July 31, 1972	.84			
				July 9, 1973	1.75			
				Aug. 14, 1973	.82			
				July 14, 1975	1.19			
W37	Embarrass River	SW¼NW¼ sec. 24, T. 26 N., R. 13 E., Shawano County, at sewage lagoon, 0.7 mi east of Caroline, Wis.	264	Aug. 3, 1972 July 11, 1973 Aug. 15, 1973 July 24, 1974 July 7, 1976	3.145	46	26	c
					135			
					114			
					62.0			
					42.4			
W39	Railroad Creek	NE¼NE¼ sec. 7, T. 28 N., R. 11 E., Shawano County, at sewage-treatment plant, at Birnamwood, Wis.	.52	Aug. 2, 1972 July 11, 1973 Aug. 15, 1973 July 15, 1975 July 8, 1976	1.44	.64	.39	c
					1.57			
					1.07			
					1.21			
					.95			
W40	South Branch Embarrass River	NE¼SW¼ sec. 9, T. 26 N., R. 12 E., Shawano County, at U.S. Highway 45 bridge, at Tigerton, Wis.	94.8	Aug. 3, 1972	52.1	23	14	c
				July 11, 1973	56.8			
				Aug. 15, 1973	77.7			
				July 24, 1974	34.9			
				July 15, 1975	38.9			
				July 7, 1976	25.1			
W42	Tiger Creek	SW¼NW¼ sec. 15, T. 27 N., R. 11 E., Shawano County, at sewage-treatment plant, at Wittenberg, Wis.	1.08	Aug. 3, 1972	.82	5	5	
				July 11, 1973	.59			
				Aug. 15, 1973	.79			
				July 24, 1974	.59			
				July 15, 1975	.63			
				July 7, 1976	.20			
W43	North Branch Embarrass River	NW¼NW¼ sec. 6, T. 27 N., R. 13 E., Shawano County, at County Trunk D, 0.6 mi south of Bowler, Wis.	39.5			9.8	6.0	b
W44, 46	Pigeon River	SE¼SE¼ sec. 23, T. 25 N., R. 14 E., Waupaca County, at footbridge, 0.1 mi downstream from Main Street bridge, at Clintonville, Wis.	109	Aug. 11, 1969	36.3	16	8.1	c
				Aug. 28, 1969	16.4			
				Aug. 1, 1972	30.4			
				July 12, 1973	61.9			
				Aug. 15, 1973	53.6			
				July 24, 1974	34.9			
				July 14, 1975	39.2			
				July 7, 1976	21.2			
W47	North Branch Pigeon Creek	SW¼NW¼ sec. 1, T. 25 N., R. 13 E., Waupaca County, 0.4 mi upstream from bridge on U.S. Highway 45, at Marion sewage-treatment plant.	20.4	July 12, 1973	12.0	3.3	1.7	c
				Aug. 15, 1973	28.2			
				July 24, 1974	7.30			
				July 15, 1975	8.20			
				July 7, 1976	3.69			

Table 30. Wolf River basin station locations and low-flow characteristics—Continued.

Station number <sup>1</sup>	Stream name	Station location	Drainage area (mi <sup>2</sup> )	Date	Discharge (ft <sup>3</sup> /s)	Q <sub>7,2</sub> (ft <sup>3</sup> /s)	Q <sub>7,10</sub> (ft <sup>3</sup> /s)	Accuracy level
W49	Bear Creek	SE¼SW¼ sec. 20, T. 24 N., R. 15 E., Outagamie County, at bridge on State Highway 76, 0.7 mi east of Bear Creek, Wis.	16.3	Aug. 1, 1972 July 12, 1973 Aug. 15, 1973 July 24, 1974 July 14, 1975 July 7, 1976	0.27 2.72 .53 .51 .56 .17	<0.01	<0.01	c
W52	Little Wolf River	NE¼SE¼ sec. 16, T. 23 N., R. 13 E., Waupaca County, at Lindsay Park, just downstream from sewage-treatment plant, at Manawa, Wis.	314	Aug. 3, 1972 July 12, 1973 Aug. 16, 1973 July 25, 1974 July 13, 1975 July 7, 1976	137 195 182 189 163 74.2	54	26	c
W53	Flume Creek	NW¼SW¼ sec. 21, T. 25 N., R. 10 E., Portage County, at bridge on State Highway 66, at Rosholt, Wis.	16.0	Aug. 4, 1972 July 12, 1973 Aug. 15, 1973 July 13, 1975 July 6, 1976	4.62 8.35 8.68 6.20 3.56	3.1	2.3	c
W55	South Branch Little Wolf River	NW¼SW¼ sec. 35, T. 24 N., R. 11 E., Waupaca County, at Town Line Road bridge, at Iola, Wis.	33.6	Aug. 4, 1972 July 12, 1973 Aug. 15, 1973 July 13, 1975 July 7, 1976	17.3 17.1 26.8 18.6 11.4	10	7.6	c
W56	South Branch Little Wolf River	SW¼SE¼ sec. 35, T. 24 N., R. 11 E., Waupaca County, at County Trunk B, bridge, at Scandinavia, Wis.	55.7	Aug. 4, 1972 July 12, 1973 Aug. 15, 1973 July 13, 1975 July 7, 1976	35.0 44.6 45.5 33.7 19.9	17	12	c
W58	Waupaca River	NW¼NW¼ sec. 1, T. 21 N., R. 12 E., Waupaca County, at town road, 4.7 mi southeast of Waupaca, Wis.	272			140	115	a
	Waupaca River	SE¼NW¼ sec. 4, T. 21 N., R. 13 E., Waupaca County, at bridge on State Highway 110, at Weyauwega, Wis.	282					
W59	Tomorrow River	SE¼SE¼ sec. 21, T. 23 N., R. 10 E., Portage County, at bridge on County Trunk V, at Amherst, Wis.	74.2	Aug. 4, 1972 July 12, 1973 Aug. 15, 1973 July 13, 1975 July 6, 1976	31.4 51.8 54.1 40.4 32.7	26	20	c
W62	Rat River tributary	SW¼SE¼ sec. 21, T. 21 N., R. 15 E., Outagamie County, at culvert on U.S. Highway 10, on west side of Dale, Wis.	2.17	July 31, 1972 July 9, 1973 Aug. 14, 1973 July 13, 1975 July 8, 1976	20 20 .03 .30 .20	0	0	c
W63	Rat River tributary	SW¼NE¼ sec. 14, T. 20 N., R. 15 E., Winnebago County, at culvert on Loop Road, 0.9 mi northwest of Winchester, Wis.	2.34	July 31, 1972 July 9, 1973 Aug. 14, 1973 July 13, 1975 July 8, 1976	20 20 40 20 20	0	0	c
W66, 67	Pine River	SE¼NW¼ sec. 7, T. 19 N., R. 13 E., Waushara County, at State Highway 49, at Poy Sippi, Wis.	86.4	Sept. 12, 1972 July 12, 1973 Aug. 14, 1973 July 13, 1975 July 8, 1976	71.5 102 83.4 86.2 65.6	60	52	c
W70, 1A	Humphrey Creek	NW¼NW¼ sec. 30, T. 20 N., R. 11 E., Waushara County, at bridge on County Trunk A, at Wild Rose, Wis.	27.1	Sept. 12, 1972 July 13, 1973 Aug. 15, 1973 July 12, 1975 July 9, 1976 Aug. 15, 1978	8.20 12.7 14.5 9.59 9.82 7.69	6.6	5.6	c

Table 30. Wolf River basin station locations and low-flow characteristics—Continued.

Station <sup>1</sup> number	Stream name	Station location	Drainage area (mi <sup>2</sup> )	Date	Discharge (ft <sup>3</sup> /s)	Q <sub>7,2</sub> (ft <sup>3</sup> /s)	Q <sub>7,10</sub> (ft <sup>3</sup> /s)	Accuracy level
W72	Willow Creek	SW¼NW¼ sec. 8, T. 18 N., R. 12 E., Waushara County, at bridge on County Trunk E, 0.4 mi north of Redgranite, Wis.	71.7	Sept. 12, 1972 July 12, 1973 Aug. 14, 1973 July 12, 1975 July 9, 1976	50.3 89.5 83.1 57.4 36.8	36	30	c
W74	Arrowhead River	NE¼SW¼ sec. 20, T. 20 N., R. 16 E., Winnebago County, at bridge on County Trunk T, at Larsen, Wis.	7.64	July 31, 1972 July 9, 1973 Aug. 14, 1973 July 13, 1975 July 8, 1976	4 0 4 0 4.20 0 4 0	0	0	c
W75	Arrowhead River tributary	NW¼NW¼ sec. 23, T. 20 N., R. 16 E., Winnebago County, at bridge on country road, 3.0 mi east of Larsen, Wis.	1.07	July 31, 1972 July 9, 1973 Aug. 14, 1973 July 13, 1975 July 8, 1976	2 20 20 20 40 20 20	0	0	c
W77	Rattlesnake Creek	SE¼SE¼ sec. 16, T. 19 N., R. 11 E., Waushara County, below Lake Morris dam, at Mount Morris, Wis.	20.4	Sept. 12, 1972 July 13, 1973 Aug. 16, 1973 July 12, 1975 July 9, 1976	16.1 15.4 21.2 11.4 9.08	8.4	6.8	c
W2A	West Branch Red River	SE¼SW¼ sec. 19, T. 30 N., R. 12 E., Langlade County, at bridge on State Highway 47, 3.9 mi west of Phlox, Wis.	5.20	July 26, 1977 Aug. 16, 1977 Oct. 27, 1977 Sept. 11, 1978	3.15 4.12 3.88 5.58	3.8	3.2	c
	West Branch Red River	SW¼SE¼ sec. 30, T. 30 N., R. 12 E., Langlade County, at bridge on County Trunk D, 3.5 mi northwest of Mattoon, Wis.	6.16	July 26, 1977 Aug. 16, 1977 Oct. 27, 1977 Sept. 11, 1978	5.12 5.42 7.78 9.01	6.0	5.1	c

<sup>1</sup> Based on 1971 report by Wisconsin Department of Natural Resources (DNR). Site lettered "A" was not included in 1971 DNR report.

<sup>2</sup> Streambed is dry.

<sup>3</sup> Additional discharge measurements are available.

<sup>4</sup> Negligible discharge—water ponded, unable to measure velocity.

<sup>5</sup> No estimate possible—discharge is primarily effluent.

Table 31.--Accuracy of estimated low-flow characteristics for several methods

Type of site	Type of data	Analytical method to determine $Q_{7,10}$	Standard error low flow ( $SE_{7,10}$ ) (percent)	Accuracy level
Gaging station	10 years recorded streamflow	Frequency analysis	<sup>1</sup> 18	a
Low-flow partial- record station (282 sites)	7 to 36 base-flow discharge measure- ments	Correlation analysis	<sup>2</sup> 29	b
Low-flow partial- record station (282 sites)	3 base-flow discharge measurements during 1961-77 period	Correlation analysis	<sup>3</sup> 45 (+55, -35)	<sup>4</sup>
Project stations	3 to 8 base-flow discharge measure- ments made during 1972-77 period	Correlation analysis	<sup>3</sup> 46 (+56, -36)	c

<sup>1</sup> $SE_{7,10}$  based on method by Hardison, 1969.

<sup>2</sup> $SE_{7,10}$  based on method by Hardison and Moss, 1972.

<sup>3</sup>The positive and negative deviations of the standard error are significantly different above 40 percent. Therefore, for values of  $SE_{7,10}$  greater than 40 percent, the positive and negative values are shown in parentheses.

<sup>4</sup>Not applicable for tables 1-30.

Table 32.--Standard error of estimate for the 10-year low-flow event  
( $SE_{7,10}$ ) for Wisconsin basins at low-flow partial-record stations

Basin	$SE_{7,10}$ (percent)
Bad Axe River-----	15
Baraboo-Lemonweir River-----	16
Black River-----	27
Lower Chippewa River-----	25
Upper Chippewa River-----	36
Des Plaines-Pike River-----	87
Duck Creek-Pensaukee River-----	58
Fox River (Illinois)-----	35
Lower Fox River-----	31
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