

**WATER INFORMATION SERIES
REPORT 5**

**COMPILATION OF
MISCELLANEOUS
STREAMFLOW MEASUREMENTS
IN MICHIGAN
THROUGH SEPTEMBER 1970**

1974

Prepared by the United States Geological Survey in cooperation with the Michigan Geological Survey

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MISCELLANEOUS STREAMFLOW MEASUREMENTS
IN MICHIGAN THROUGH SEPTEMBER 1970**

by R. L. Knutilla
U. S. Geological Survey

cover by Jim Campbell

Prepared by the
United States Geological Survey
in cooperation with the
Michigan Department of Natural Resources

GEOLOGICAL



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INTRODUCTION

Measurements of stream discharge in Michigan have been made since the establishment of the first gaging station in 1898. Most discharge measurements have been made to define the stage-discharge relationship at gaging stations. However, periodic or occasional discharge measurements have been made at sites other than gaging stations to answer specific questions. Determination of changes in streamflow along a stream course, determinations of base-flow or dry weather characteristics of streamflow, determinations of changes in flow patterns due to diversions and assessment of a stream's flow characteristics for a special use are among the reasons for needing "miscellaneous" discharge measurements.

Mean daily discharges at gaging stations and results of discharge measurements made at miscellaneous sites have been published in "Water-Supply Papers" of the U.S. Geological Survey and annual reports of "Water Resources Data for Michigan, Part 1, Surface Water Records." Records of discharge at gaging stations have been compiled in two reports--"Compilation of Records of Surface Waters of the United States, through 1950" and "Compilation of Records of Surface Waters of the United States, October 1950 through September 1960." These compilation reports, however, do not contain discharge measurements made at miscellaneous sites. For sites where discharge measurements were made periodically, the measurements have been referenced in the series of reports "Index of Surface-Water Records, Part 4. - St. Lawrence River Basin." However, measurements at most miscellaneous sites have not been indexed.

Purpose and Scope

Although the results of discharge measurement data at miscellaneous sites are available in the annual series of reports and the availability of discharge data at some sites is indexed, it is often difficult to determine whether measurements at a particular site or nearby location are available. In most instances the annual series of reports must be searched for discharge measurements, a task that is time consuming when copies of all annual reports are not readily available. This report compiles the results of discharge measurements made at miscellaneous sites through 1970. Ready availability of the data in one report will ensure continued use of the measurements in streamflow studies.

In compiling the data on miscellaneous measurements all previous reports were utilized, and the files were searched for additional unpublished discharge data. Only a few measurements per year were made prior to 1940. Often the location of measuring sites for these early measurements was only by reference to a nearby community. The scant site description resulted in doubt as to the actual location at which the measurements were made. When the location of measuring sites could not be ascertained, measurements were omitted from the compilation.

Discharge measurements made by the Michigan Bureau of Water Management have been published in the annual series of surface water reports and are also included in this compilation. Data that may be available from other State or Federal agencies have not been included.

Acknowledgments

Funds for compiling the discharge measurement data in this report were provided through a cooperative program between the Michigan Department of Natural Resources and the U.S. Geological Survey. Other than discharge measurements made by the Michigan Bureau of Water Management, the discharge measurements were made by the U.S. Geological Survey through cooperative programs with other Federal and State agencies, and local units of government. Special acknowledgment to those organizations has been given in the annual series of reports in which the measurements were published.

Explanation of Data

The listing of discharge measurement sites in this report is in the same downstream order as that used in the annual series of surface water basic data reports. Sites are listed along the main stem of a stream with tributary streams preceding the next main-stem location. Sites on tributaries to tributaries are listed in a similar manner. In the table of contents the rank of tributaries is indicated by indentation; each indentation represents one rank. The ranking thus indicates to what other stream or Great Lake body that each stream is tributary. In addition, each site has been given a downstream order number similar to those for regular gaging stations.

For each miscellaneous discharge measurement site the downstream order number, stream name, stream to which it is tributary, location drainage area, and results of discharge measurements are given. Drainage areas are those shown in the annual series of reports and are often only approximations.

Measurements have been included for some sites where continuous streamflow data have been collected. In these cases, the measurements are generally those made prior to, or subsequent to, continuous record operation. Measurements made at established low-flow partial-record stations--stations where measurements are made on a periodic basis--are included in the compilation, although such measurements are indexed in other reports.

Measurements at crest-stage partial-record stations have not been included in the compilation. However some measurements made at these sites, particularly those made during periods of base flow, are listed.

Because interest in the availability of discharge measurements often follows political boundaries, an index of data availability by counties has been prepared. Counties are listed alphabetically and all miscellaneous discharge measurements made within the boundary of the county have been denoted. The index gives stream names and the assigned downstream order number. Streams within a county are listed alphabetically. Branches of streams follow the main stem name. For example, Little Thornapple River follows Thornapple River in the listing.

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Superior						
4-0008.00	Feldtmann Lake Outlet	Lake Superior	Center sec.19, T.63 N., R.38 W., Keweenaw County, on Isle Royale, about 750 feet downstream from Feldtmann Lake, Mich.	5.0	8- 5-62	.03
4-0009.00	Grace Creek	do	SW1/4 sec.32, T.64 N., R.38 W., Keweenaw County, on Isle Royale, 1.2 miles southwest of Windigo, Mich.	5.2	8- 5-62	.50
4-0009.50	Washington Creek	do	SE1/4 sec.21, T.64 N., R.38 W., Keweenaw County, on Isle Royale, 1.8 miles northeast of Windigo, Mich.	12.5	8- 6-62	1.36
4-0009.70	do	do	SW1/4 SE1/4 sec.21, T.64 N., R.38 W., Keweenaw County, on Isle Royale, 1.2 miles northeast of Windigo, Mich.	12.9	8- 6-62 10- 9-63	1.62 1.04
4-0010.00	do	do	NW1/4 sec.28, T.64 N., R.38 W., Keweenaw County, 0.8 miles northeast of Windigo, Mich.	13.2	9-27-64	10.8
4-0015.00	Siskiwit Lake Outlet	do	SW1/4 sec.31, T.65 N., R.35 W., Keweenaw County, on Isle Royale, 0.5 mile downstream from Siskiwit Lake, Mich.	28.7	8- 3-62	3.15
4-0017.00	Little Siskiwit River	do	On line between secs.23, 24, T.64 N., R.37 W., Keweenaw County, on Isle Royale, 9.5 miles east of Windigo, Mich.	11.8	8- 4-62	.004
4-0020.00	Big Siskiwit River	do	NW1/4 sec.4, T.63 N., R.37 W., Keweenaw County, on Isle Royale, 0.8 mile west of Camp Siskiwit, Mich.	19	8- 4-62	0
4-0279.40	Montreal River	do	On line between secs.25 and 36, T.46 N., R.47 W., Gogebic County, 7 miles south of Ironwood, Mich.		7-27-67	31.7
4-0280.00	do	do	SE1/4 sec.21, T.47 N., R.47 W., Gogebic County, at Norrie St. in Ironwood, Mich.		4-28-47 7-22-47 9-13-47 7-27-67	320 14.3 2.52 63.7
4-0280.90	Welsh Creek	Montreal River	NW1/4 NW1/4 sec.10, T.47 N., R.47 W., Gogebic County, 15 ft above county road above Ironwood Township sewage plant, 2 miles north of Ironwood, Mich.	5	9-11-69 8-31-70	.60 .15
4-0280.92	do	do	NW1/4 NW1/4 sec.10, T.47 N., R.47 W., Gogebic County, below Ironwood Township sewage plant 5 ft below unnamed tributary, 2 miles north of Ironwood, Mich.	6	9-11-69	.91
4-0281.00	Montreal River	Lake Superior	SE1/4 SW1/4 sec.31, T.48 N., R.47 W., Gogebic County, Michigan Meridian 0.2 mile above Spring Creek and 4.2 miles northwest of Ironwood, Mich.	80.6	9- 1-70	4.71
4-0281.10	Spring Creek	Montreal River	SW1/4 sec.35, T.48 N., R.47 W., Gogebic County, 4 miles north of Ironwood, Mich.	7	7- 2-62	1.56
4-0282.00	Siemens Creek	do	SW1/4 sec.1, T.47 N., R.47 W., Gogebic County, near Ironwood, Mich.		6-15-50 6-22-50 6-29-50	2.73 2.29 2.80
4-0283.00	Montreal River	Lake Superior	SW1/4 sec.35, T.48 N., R.48 W., Gogebic County, 1/2 mile upstream from Moore Creek, 6.0 miles northwest of Ironwood, Mich.		7-27-67	204
4-0305.00	Black River	do	NW1/4 sec.13, T.47 N., R.46 W., Gogebic County, at bridge 100 ft below C & NW R.R. bridge in Ramsay, Mich.	78.0	8-26-69 8-19-70	6.90 10.1
4-0309.55	Jackson Creek	Black River	NW1/4 sec.36, T.48 N., R.45 W., Gogebic County, at bridge on State Highway M-28, 4.0 miles northeast of Wakefield, Mich.	40	8-26-69 8-19-70	1.38 1.70
4-0309.65	Unnamed tributary	Kallander Creek	NE1/4 sec.9, T.47 N., R.46 W., Gogebic County, at culverts on County Road 513, 0.1 mile above mouth in Bessemer, Mich.	.3	8-31-70	0
4-0309.67	Kallander Creek	Black River	NW1/4 sec.10, T.47 N., R.46 W., Gogebic County, immediately above Bessemer sewage plant, 0.1 mile below unnamed tributary in Bessemer, Mich.	1.2	8-31-70	.01
4-0309.75	Powder Mill Creek	do	SW1/4 sec.16, T.47 N., R.46 W., Gogebic County, at M-28 bridge near Bessemer, Mich.		6-22-50	.56
4-0309.80	do	do	SE1/4 sec.8, T.47 N., R.46 W., Gogebic County, at bridge on U.S. 2 Highway, near Bessemer, Mich.		6-15-50 6-22-50 6-29-50	1.87 2.03 8.57
4-0309.98	do	do	SW1/4 sec.33, T.48 N., R.46 W., Gogebic County, at mouth, 2.0 miles northwest of Bessemer, Mich.	16.8	8-31-70	.21

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurement	
					Date	Discharge (cfs)
Streams tributary to Lake Superior--continued						
4-0310.30	Black River	Lake Superior	NW1/4 sec.10, T.49 N., R.46 W., Gogebic County, 0.7 mile above mouth, at Rainbow Falls, 12.0 miles north of Bessemer, Mich.	257	8-31-70	17.3
4-0319.50	Little Presque Isle River	Presque Isle River	NW1/4 sec.11, T.46 N., R.44 W., Gogebic County, at U.S. Highway 2, near Marenisco, Mich.		10-21-47 6- 3-48	2.65 3.06
4-0320.10	Cherry Creek	do	NW1/4 sec.14, T.48 N., R.44 W., Gogebic County, 300 ft upstream from mouth, near Tula, Mich.	34.0	7-28-66	2.73
4-0321.00	Presque Isle River	Lake Superior	SW1/4 sec.19, T.49 N., R.44 W., Ontonagon County, near Tula, Mich.		10-14-48	46.2
4-0321.10	do	do	NW1/4 sec.13, T.49 N., R.45 W., Gogebic County, near Tula, Mich.		10-14-48	44.8
4-0321.50	do	do	SE1/4 sec.30, T.50 N., R.45 W., Gogebic County, 1.0 mile above mouth, 10.0 miles north of Connerville, Mich.	358	11-10-69 2-19-70 8-19-70 8-31-70	221 111 74.9 50.5
4-0324.50	Little Iron River	Lake Superior	SW1/4 sec.12, T.51 N., R.42 W., Ontonagon County, 0.2 mile above mouth, 0.6 mile east of Silver City, Mich.	17.0	9- 1-70	.69
4-0325.05	Iron River	do	NW1/4 sec.13, T.51 N., R.42 W., Ontonagon County, 1.0 mile above mouth, at Bonanza Falls, 1 mile south of Silver City, Mich.	100	1-29-52 3-13-52 9- 1-70	21.4 32.6 3.39
4-0325.10	Mineral River	do	N1/2 sec.16, T.50 N., R.42 W., Ontonagon County, at bridge on State Highway M-64, 1.5 miles southeast of White Pine, Mich.	6.80	8-22-42 9- 1-70	3,700 0
4-0325.15	do	do	NE1/4 sec.5, T.50 N., R.42 W., Ontonagon County, at bridge on State Highway M-64, at White Pine, Mich.	10.5	1-29-52 3-13-52 8-20-70 9- 1-70	3.26 3.52 .03 0
4-0325.20	Cranberry River	do	NE1/4 SE1/4 sec.6, T.51 N., R.40 W., Ontonagon County, at mouth, 0.7 mile east of Green, Mich.	20.3	9- 1-70	0
4-0325.25	Deer Creek	Potato River	NE1/4 sec.1, T.50 N., R.41 W., Ontonagon County, near Ontonagon, Mich.		8-22-42	5,100
4-0325.30	Cunningham Creek	do	SE1/4 sec.1, T.50 N., R.41 W., Ontonagon County, near Ontonagon, Mich.		8-22-42	810
4-0325.33	Potato River	Lake Superior	SE1/4 SW1/4 sec.33, T.52 N., R.40 W., Ontonagon County, at mouth, 2.5 miles north-east of Green, Mich.	22.4	9- 1-70	0
4-0328.00	Middle Branch Ontonagon River	Ontonagon River	NE1/4 sec.22, T.45 N., R.40 W., Gogebic County, near Watersmeet, Mich.		6- 1-49 7- 6-49 8- 3-49 8-31-49 9-22-49 10- 6-49 11- 1-49 6-15-50 7- 6-50 8- 2-50 9- 7-50 10- 3-50 11- 1-50	8.66 45.9 9.73 7.70 6.38 5.79 9.03 20.9 16.7 23.0 8.24 7.35 6.94
4-0328.50	do	do	E1/2 sec.23, T.45 N., R.40 W., Gogebic County, near Watersmeet, Mich.		6- 1-49 7- 6-49 8- 3-49 8-31-49 7- 6-50 8- 2-50 9- 7-50 10- 3-50 11- 1-50	9.14 50.0 10.3 7.04 18.4 24.2 8.99 8.17 8.16
4-0329.00	do	do	NW1/4 NW1/4 sec.27, T.45 N., R.39 W., Gogebic County, at bridge on U.S. Highway 45, 0.1 mile north of Watersmeet, Mich.	48.0	9-12-67 8-26-69 8-18-70	28.5 24.6 26.3
4-0345.50	Trout Creek	Middle Branch Ontonagon River	NW1/4 SE1/4 sec.12, T.47 N., R.38 W., Ontonagon County, at bridge on Duluth, South Shore, and Atlantic Railway, 0.6 mile east of Trout Creek Mich.	23	9-12-67 8-25-69 8-18-70	8.65 2.54 8.81
4-0346.90	Baltimore River	Ontonagon River	NE1/4 sec.29, T.48 N., R.39 W., Ontonagon County, near Bruce Crossing, Mich.	19.2	8-22-42	2,300
4-0347.00	Clear Creek	Baltimore River	SE1/4 SE1/4 sec.21, T.48 N., R.39 W., Ontonagon County, at box culvert on State Highway 28, 0.1 mile west of Bruce Crossing, Mich.	8.51	8-22-42 9-12-67 8-26-69 8-18-70	2,500 4.23 4.86 4.59

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurement	
					Date	Discharge (cfs)
Streams tributary to Lake Superior--continued						
4-0349.00	Adventure Creek	East Branch Ontonagon River	SE1/4 NW1/4 sec.9, T.50 N., R.38 W., Ontonagon County, between Milwaukee, St. Paul and Pacific Railway and county road, 1.5 miles southeast of Mass, Mich.	5	9-12-69 8-20-70	.34 .05
4-0359.90	Merriweather Creek	Lake Gogebic	SW1/4 sec.11, T.48 N., R.43 W., Ontonagon County, at bridge on State Highway 28, 0.6 mile southwest of Merriweather, Mich.	25.2	9- 1-70	.04
4-0380.00	Cisco Branch Ontonagon River	South Branch Ontonagon River	NE1/4 sec.15, T.45 N., R.41 W., Gogebic County, at site of former gaging station, near Watersmeet, Mich.		11- 7-44 12- 2-44 2- 2-45 3- 6-45 4- 3-45 4-25-45 5- 3-45 5-31-45 7- 3-45 8- 1-45 9- 5-45	11.0 112 74.4 77.6 40.1 125 102 171 75.6 28.6 109
4-0400.20	Ontonagon River	Lake Superior	SE1/4 sec.25, T.52 N., R.40 W., Ontonagon County, at bridge on State Highway 64 at Ontonagon, Mich.	1,390	6- 7-66 4- 8-69 4-10-69	8,750 7,670 19,300
4-0401.00	Flintsteel River	do	On line between secs.25, 36, T.52 N., R.39 W., Ontonagon County, 5.5 miles east of Ontonagon, Mich.		8- 5-63	.22
4-0401.10	West Branch Firesteel River	Firesteel River	NW1/4 sec.29, T.51 N., R.37 W., Ontonagon County, 3.5 miles northeast of Mass, Mich.	29	8- 5-63	8.76
4-0401.15	East Branch Firesteel River	do	SE1/4 sec.20, T.51 N., R.37 W., Ontonagon County, at M-26 bridge, 4 miles east of Mass, Mich.	13	8- 5-63	6.45
4-0401.20	Firesteel River	Lake Superior	N1/2 sec.7, T.52 N., R.38 W., Ontonagon County, 7.5 miles northeast of Ontonagon, Mich.	84	8- 5-63 9- 1-70	19.8 18.1
4-0401.50	East Branch Sleepy Creek	Sleepy Creek	SE1/4 NE1/4 sec.31, T.52 N., R.36 W., Houghton County, 1,000 ft east of Copper Range Railroad track, at State Highway 26.	1	8-12-68	.07
4-0401.52	North Branch Sleepy Creek	do	SW1/4 NE1/4 sec.31, T.52 N., R.36 W., Houghton County, at Copper Range Railroad Bridge, 1,200 ft north of State Highway 26.	2	8-12-68	.13
4-0401.54	Sleepy Creek	East Sleeping River	NW1/4 SE1/4 sec.31, T.52 N., R.36 W., Houghton County, 1,000 ft east of Copper Range Railroad track, at State Highway 26.	3	8-12-68	1.15
4-0401.56	do	do	SE1/4 NW1/4 sec.31, T.52 N., R.36 W., Houghton County, at bridge on Copper Range Railroad, 700 ft north of State Highway M-26, 1.2 miles southwest of Winona, Mich.	6	8-12-68 8-26-69	2.08 2.54
4-0401.75	Misery River	Lake Superior	NW1/4SE1/4 sec.15, T.53 N., R.37 W., Ontonagon County, 0.6 mile above Little Misery River, 10 miles west of Toivola, Mich.	39.4	9- 1-70	17.1
4-0402.00	Salmon Trout River	do	NE1/4 sec.20, T.55 N., R.35 W., Houghton County, at Redridge, Mich.	43.7	10-24-61 10-17-63 9- 1-70	33.9 28.0 25.6
4-0403.00	Lake Fanny Hooe Outlet	do	SE1/4 sec.33, T.59 N., R.28 W., Keweenaw County, in Fort Wilkins State Park at Copper Harbor, Mich.	15.6	10-13-59 7-27-60 10-26-60 5- 9-61 6-22-61 10-11-61 5- 9-62 6-13-62 9-11-62 4-30-63 7-31-63 10-15-63 7-30-64 9-30-64 8-10-65 12-22-65 8- 4-66 12-18-66 5-20-67 8-22-67	25.1 4.53 .20 121 5.36 .43 69.2 6.98 4.07 94.4 .52 .05 .07 .52 .57 14.6 0 13.4 23.4 .63
4-0403.10	Little Gratiot River	Lac La Belle	SW1/4 sec.3, T.57 N., R.30 W., Keweenaw County, at outlet of Gratiot Lake near Phoenix, Mich.		5-15-45 9-12-45 5-22-46 5-23-47 5-19-48 5-16-49 10-13-49 5-19-50	25.1 9.57 20.8 61.5 30.3 37.7 4.23 122

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurement	
					Date	Discharge (cfs)
Streams tributary to Lake Superior--continued						
4-0403.50	Tobacco River	Lake Superior	SW1/4 sec.20, T.56 N., R.30 W., Keweenaw County, at bridge on county road 0.7 mile northeast of Gay, Mich.	52.7	9- 1-70	3.24
4-0404.20	Lateral Creek	Sturgeon River	E1/2 sec.9, T.48 N., R.32 W., Baraga County, at U.S. Highway 41, 5 miles west of Three Lakes, Mich.		4-23-57	66.0
4-0404.50	Tioga River	do	NW1/4 sec.8, T.48 N., R.32 W., Baraga County, at U.S. Highway 41, 10 miles east of Covington, Mich.	18.5	4-22-57 4-23-57 5- 6-57 4-10-58 4-15-58 4-16-58	360 282 15.8 56.7 115 142
4-0404.55	Pelkie Creek	do	SE1/4 sec.34, T.49 N., R.33 W., Baraga County, at old U.S. Highway 41, 5 miles southeast of Alberta, Mich.	16.2	4-23-57 4-25-57 5- 6-57 4-16-58 4-17-58	190 163 13.2 259 221
4-0404.60	Sturgeon River	Portage Lake	E1/2 sec.29, T.49 N., R.33 W., Baraga County, at old U.S. Highway 41, 2.5 miles southeast of Alberta, Mich.	83.6	4-25-57 5- 6-57 4-16-58 4-17-58	1,130 85.0 1,150 1,150
4-0404.65	Plumbago Creek	Sturgeon River	N1/2 sec.18, T.49 N., R.33 W., Baraga County, at Alberta, Mich.	1.64	4-22-57 4-23-57 5- 6-57 4- 7-58 4-15-58	27.3 21.2 2.56 5.37 23.9
4-0404.70	Rock River	do	NE1/4 sec.12, T.48 N., R.34 W., Baraga County, at U.S. Highway 141, 3 miles northeast of Covington, Mich.	40.3	4-22-57 4-23-57 5- 6-57 4- 7-58 4-15-58	583 748 69.8 61.8 296
4-0404.72	do	do	N1/2 sec.2, T.48 N., R.34 W., Baraga County, 1 mile above mouth and 4 miles southwest of Alberta, Mich.	47	8-31-70	1.22
4-0410.00	Perch River	do	NE1/4 sec.34, T.48 N., R.35 W., Baraga County, at State Highway 28, 2.5 miles east of Sidnaw, Mich.	63.1	8-31-70	11.3
4-0411.00	Sidnaw Creek	do	N1/2 sec.19, T.48 N., R.35 W., Houghton County, 3 miles north of Sidnaw, Mich.	17.6	3-30-57 4-23-57 5- 8-57 4-11-58 4-16-58	16.3 52.2 5.82 32.5 48.7
4-0412.00	Silver Mountain Creek	do	NW1/4 sec.7, T.49 N., R.35 W., Houghton County, 7.5 miles south of Alston, Mich.	10.5	4-22-57 5- 7-57 4-16-58 4-18-58	48.3 6.32 39.1 20.3
4-0414.90	Sturgeon River	Portage Lake	NE1/4 SE1/4 sec.6, T.49 N., R.35 W., Houghton County, at bridge on U.S. Forest Service Road 193, 4.5 miles southwest of Prickett Dam, 13 miles southwest of L'Anse, Mich.	335	8-18-69 8-31-70	105 83.7
4-0416.00	Clear Creek	Sturgeon River	Sec.23, T.50 N., R.35 W., Baraga County, 6 miles southeast of Alston, Mich.	12.5	4-23-57 5- 7-57 4-10-58 4-16-58	11.0 8.98 9.96 9.92
4-0416.10	Mustard Creek	Clear Creek	NW1/4 sec.24, T.50 N., R.35 W., Baraga County, 6.5 miles southeast of Alston, Mich.	4.0	4-23-57 4-10-58	4.49 2.78
4-0421.00	Silver River	Sturgeon River	NW1/4 sec.4, T.50 N., R.35 W., Houghton County, at State Highway 38, 3 miles east of Alston, Mich.	39.0	3-30-57 4-22-57 4-25-57 5- 7-57 4- 9-58 4-16-58	55.3 301 157 18.4 116 185
4-0422.00	West Branch Sturgeon River	do	On line between sec.6, T.50 N., R.35 W., Houghton County, and sec.34, T.51 N., R.35 W., at State Highway 38, 1 mile east of Alston, Mich.	47.2	3-30-57 4-22-57 4-25-57 5- 7-57 4- 9-58	57.3 406 197 33.3 108
4-0423.50	Sturgeon River	Portage Lake	NW1/4 sec.8, T.52 N., R.33 W., Baraga County, at bridge on county road, 1.8 miles west of Arnheim, Mich.		4-17-58 4-18-58	2,350 2,390
4-0424.01	Little Otter River	North Branch Otter River	SW1/4 NW1/4 sec.34, T.54 N., R.34 W., Houghton County, at bridge on county road, 2.5 miles south of Baltic, Mich.	3.5	8-26-70	.06

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurement	
					Date	Discharge (cfs)
Streams tributary to Lake Superior--continued						
4-0424.50	North Branch Otter River	Otter River	W1/2 sec.31, T.52 N., R.34 W., Houghton County, 2.2 miles southwest of Elo, Mich.	95.3	4-18-57	633
					4-22-57	1,380
					4-26-57	677
					5- 7-57	103
					4- 9-58	279
					4-16-58	939
					10-17-63	41.6
4-0424.60	West Branch Otter River	do	S1/2 sec.12, T.51 N., R.35 W., Houghton County, 2.5 miles northwest of Pelkie, Mich.	53.1	4-18-57	290
					4-22-57	562
					4-26-57	266
					5- 7-57	63.3
					4- 9-58	134
					4-16-58	442
					4-0430.05	Sturgeon River
4-14-55	6,510					
4-19-55	5,800					
4-24-57	7,510					
4-19-60	5,700					
4-28-60	6,100					
4-0430.15	Pilgrim River	do	NW1/4 SW1/4 sec.23, T.54 N., R.34 W., Houghton County, at bridge on county road, 1.5 miles east of Baltic, Mich.	11		
					8-26-70	5.42
					4-0430.50	Trap Rock River
9-23-66	12.5					
4-0430.52	Hammell Creek	Trap Rock River	NE1/4 SE1/4 sec.31, T.56 N., R.32 W., Houghton County, at bridge on county road, 0.5 mile above mouth, at Lake Linden, Mich.	5		
					8-26-70	.38
					4-0430.55	Snake River
4-14-55	312					
4-19-55	128					
4-24-57	560					
4-19-60	362					
4-28-60	542					
4-0430.60	Kelsey Creek	Keweenaw Bay	NE1/4 NW1/4 sec.27, T.52 N., R.33 W., Baraga County, at bridge on U.S. Highway 41, 1.2 miles north of Keweenaw Bay, Mich.	4.65	9- 1-70	.10
					4-0430.70	Hazel Creek
8-20-70	1.07					
4-0430.80	Six Mile Creek	do	NW1/4 sec.12, T.50 N., R.34 W., Baraga County, at bridge on D.S.S. & A. Railway, 2.0 miles southwest of Baraga, Mich.	11		
					8-27-70	8.38
4-0431.50	Silver River	Lake Superior	NW1/4 sec.24, T.51 N., R.32 W., Baraga County, 7.5 miles northeast of L'Anse, Mich.	64	10-15-63	10.1
					9- 1-70	9.44
4-0432.00	Huron River	do	NW1/4 sec.35, T.52 N., R.30 W., Baraga County, 6 miles east of Skanee, Mich.	74.0	10-15-63	14.3
					9- 1-70	9.82
4-0432.50	Salmon Trout River	do	NE1/4 sec.1, T.51 N., R.28 W., Marquette County, at bridge on county road, 4 miles northwest of Big Bay, Mich.	40	9- 1-70	29.1
4-0432.95	Yellow Dog River	Lake Independence	SW1/4 sec.31, T.51 N., R.26 W., Marquette County, at bridge on County Highway 550, 5 miles southeast of Big Bay, Mich.	68	8- 6-63	31.1
					9- 1-70	31.8

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurement	
					Date	Discharge (cfs)
Streams tributary to Lake Superior--continued						
4-0433.00	Iron River	Lake Superior	SW1/4 sec.13, T.51 N., R.27 W., Marquette County, at outlet of Lake Independence, 2.5 miles east of Big Bay, Mich.	97.2	5-18-45 4-26-46 5-30-47 9-24-47 6- 4-48 10-27-48 4-29-49 10-21-49 5-18-50 9- 6-50 10-23-50 5-18-51 8-24-51 10-19-51 4-30-52 10-17-52 5-15-53 7-27-53 10-12-53 5-14-54 9-14-54 5- 3-55 7-29-55 10-17-55 5-10-56 7-25-56 10- 4-56 5- 9-57 7-25-57 10-11-57 4-22-58 7-23-58 10-22-58 5-13-59 6-11-59 10-14-59 9- 1-70	79.5 89.8 164 72.5 55.1 32.6 174 56.4 531 49.3 43.7 272 83.2 107 240 38.3 253 88.3 64.3 380 58.9 163 52.3 80.2 291 169 49.7 117 59.4 38.7 404 89.8 51.5 144 61.0 71.1 27.4
4-0434.00	Little Dead River	Dead River	NE1/4 sec.17, T.48 N., R.27 W., Marquette County, at bridge on County Highway 573, 5 miles north of Ishpeming, Mich.	12	9- 7-56 11- 4-65 6- 2-66 9- 8-66 11-18-66 2-22-67 5- 7-67 8-10-67 10- 3-67 1-30-68 7-26-68 11- 5-68 1-22-69 7- 7-69 8-13-69 11- 5-69 2-18-70 6-23-70 8-10-70	9.68 12.7 12.6 1.11 11.2 6.70 28.2 10.0 5.57 6.33 9.93 22.2 13.0 9.23 5.98 11.0 5.33 7.12 .56
4-0441.80	Carp Creek	Deer Lake	NW1/4 sec.1, T.47 N., R.28 W., Marquette County, at outlet of North Lake, near Greenwood, Mich.		1-10-49 3-30-49 4-15-49 4-25-49 6-29-49	.67 .734 2.47 1.41 .954
4-0441.85	do	do	NE1/4 sec.1, T.47 N., R.28 W., Marquette County, above Carp Creek diversion channel, near Ishpeming, Mich.		9-13-48 9-17-48 4-15-49 4-25-49 5-31-49 6-15-49 6-21-49 6-29-49 7- 6-49 7-12-49 8- 2-49 8-30-49 10- 4-49 11-10-49 5- 2-50 5-16-50 5-23-50 6- 5-50 6-13-50 6-20-50 6-27-50 7-11-50 7-25-50 8- 8-50 8-22-50 8-29-50 9-19-50 10-10-50	.43 .002 1.42 .41 .37 .56 .80 .35 3.01 .79 1.58 .67 .668 .816 1.27 10.3 4.41 4.29 3.66 3.04 3.80 2.26 2.41 2.55 1.76 1.58 1.15 1.05

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurement	
					Date	Discharge (cfs)
Streams tributary to Lake Superior--continued						
4-0441.87	Carp Creek	Deer Lake	NE1/4 sec.1, T.47 N., R.28 W., Marquette County, in Carp Creek diversion channel, near Ishpeming, Mich.		9-13-48	.50
					9-17-48	1.06
					9-24-48	1.55
					4-15-49	1.42
					4-25-49	.406
					5-31-49	.373
					6-15-49	.556
					6-21-49	.802
					7- 6-49	3.01
					7-12-49	.789
					8- 2-49	1.58
					8-30-49	.672
					10- 4-49	3.57
					11-10-49	4.00
					5- 2-50	7.84
					5-16-50	28.7
					5-23-50	13.8
					6- 5-50	11.2
					6-13-50	7.70
					6-20-50	7.89
					6-27-50	6.94
					7-11-50	7.48
					7-25-50	6.52
					8- 8-50	6.52
					8-22-50	5.27
					8-29-50	5.31
					9-19-50	4.95
					10-10-50	4.21
4-0442.00	do	do	NW1/4 sec.9, T.47 N., R.27 W., Marquette County, at bridge on U.S. Highway 41A, at Ishpeming, Mich.	16.5	8-16-61	5.16
					9-10-61	5.61
					9-22-61	6.52
					2-12-62	4.50
					6-28-62	5.98
					8-22-62	3.94
					10-15-62	7.88
					2-12-63	3.99
					4-26-63	12.0
					7- 1-63	5.84
					7-16-63	5.02
					10- 2-63	4.41
					2-11-64	4.38
					5-18-64	14.8
					8-20-64	7.67
					1-21-65	8.91
					7-21-65	9.47
					12- 9-65	13.6
					1-14-66	11.3
					2- 8-66	9.60
					3-14-66	16.8
					4-19-66	71.2
					6- 2-66	12.9
					7- 6-66	9.01
					8- 3-66	20.8
					8-31-66	9.60
					10- 9-66	12.5
					11-18-66	18.4
					12-24-66	14.0
					2- 2-67	13.5
					3- 6-67	10.3
					4-23-67	39.8
					5-17-67	19.9
					7-19-67	13.0
					8-17-67	10.2
					9-26-67	10.2
					11-29-67	14.4
					12-21-67	15.5
					1-30-68	12.1
					5-24-68	29.9
					7-26-68	13.8
					8-21-68	18.2
					10-17-68	19.8
					11-12-68	19.0
					12-12-68	17.9
					1-21-69	16.8
					3- 4-69	15.1
					5- 6-69	47.6
					6-18-69	22.5
					7-15-69	13.5
					8-14-69	11.4
4-0442.02	do	do	SE1/4 sec.4, T.47 N., R.27 W., Marquette County, 100 ft upstream from Partridge Creek, at Ishpeming, Mich.		9- 7-56	9.68

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurement	
					Date	Discharge (cfs)
Streams tributary to Lake Superior--continued						
4-0442.06	Partridge Creek	Carp Creek	SE1/4 sec.3, T.47 N., R.27 W., Marquette County, at Ishpeming, Mich.		4-21-48	9.04
					9- 2-48	.12
					10-26-48	.06
					11- 9-48	.29
					12- 8-48	1.70
					12-14-48	.48
					4-15-49	8.84
					4-29-49	1.55
					4-29-49	1.61
					5- 5-49	9.08
					5-18-49	1.34
					5-24-49	1.17
					5-31-49	.79
					6- 2-49	.57
					6- 7-49	.31
					6- 8-49	.26
					7- 6-49	9.80
					7-11-49	1.56
					8-10-49	1.82
					8-16-49	.82
					8-24-49	.46
					9- 6-49	4.78
					9-13-49	2.97
					9-15-49	1.31
					9-23-49	.74
					10-17-49	.57
					11-16-49	2.50
					4-29-50	6.60
					5- 2-50	4.78
					5- 5-50	29.7
					5-16-50	12.2
					5-22-50	3.70
					5-23-50	3.09
					5-25-50	3.79
					5-31-50	17.1
					6- 1-50	11.2
					6- 5-50	2.80
					6-13-50	1.18
					6-19-50	.91
4-0442.10	Carp Creek	Deer Lake	SE1/4 sec.4, T.47 N., R.27 W., Marquette County, 1 mile west of Ishpeming, Mich.		10- 4-60	21.0
4-0443.00	Gold Mine Creek	do	SW1/4 sec.29, T.48 N., R.27 W., Marquette County, at mouth, 2 miles northwest of Ishpeming, Mich.	4.89	10- 4-60	8.09
					8-16-61	2.77
					9-10-61	2.45
					9-22-61	2.55
					2-12-62	3.10
					6-28-62	3.63
					8-22-62	3.06
					10-15-62	3.40
					2-12-63	3.02
					4-26-63	5.63
					7- 1-63	5.55
					7-16-63	3.92
					10- 2-63	3.50
					2-19-64	2.82
					5-20-64	5.84
					8-20-64	2.84
					1- 6-65	4.75
					7-21-65	1.49
4-0443.40	Carp River	Lake Superior	NW1/4 sec.27, T.48 N., R.27 W., Marquette County, at outlet of Deer Lake, 3 miles north of Ishpeming, Mich.		7-12-63	29.1
4-0443.60	do	do	N1/2 sec.30, T.48 N., R.26 W., Marquette County, 2 miles north of Negaunee, Mich.		7-12-63	27.3
4-0443.70	Teal Lake Outlet	Carp River	SW1/4 NW1/4 sec.31, T.48 N., R.26 W., Marquette County, 1,000 ft downstream from Teal Lake, at Negaunee, Mich.		8-14-69	.65
4-0443.71	do	do	NE1/4 NW1/4 sec.31, T.48 N., R.26 W., Marquette County, 150 ft downstream from county road at Negaunee, Mich.		8-14-69	.60
4-0443.80	Carp River tributary	do	NW1/4 sec.29, T.48 N., R.26 W., Marquette County, 2 1/2 miles northeast of Negaunee, Mich.		7-12-63	.21
4-0444.01	Carp River	Lake Superior	N1/2 sec.33, T.48 N., R.26 W., Marquette County, 2 1/2 miles northeast of Negaunee, Mich.		7-12-63	31.2
4-0444.02	do	do	NW1/4 sec.2, T.47 N., R.26 W., Marquette County, 4 miles east of Negaunee, Mich.		7-12-63	32.2
4-0444.03	do	do	N1/2 sec.1, T.47 N., R.26 W., Marquette County, above diversion to mine, 5 1/2 miles east of Negaunee, Mich.		7-12-63	32.4

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Superior--continued						
4-0444.04	Carp River	Lake Superior	N1/2 sec.1, T.47 N., R.26 W., Marquette County, below diversion to mine, 5 1/2 miles east of Negaunee, Mich.		7-12-63	32.2
4-0444.05	do	do	SE1/4 sec.6, T.47 N., R.25 W., Marquette County, 6 1/2 miles east of Negaunee, Mich.		7-12-63	33.5
4-0444.47	Morgan Creek	Carp River	NE1/4 NE1/4 sec.35, T.48 N., R.26 W., Marquette County at bridge on L.S. & I. Railway, 5 miles east of Negaunee, Mich.	2	12-19-69	4.14
4-0444.50	do	do	SE1/4 SW1/4 sec.33, T.48 N., R.25 W., Marquette County, 800 ft upstream from mouth, 3 1/2 miles southwest of Marquette, Mich.	6.75	10-29-64 7-21-65 11- 4-65 6- 1-66 9- 8-66 11-18-66 3- 7-67 4-28-67 8-10-67 10- 3-67 1-10-68 7-26-68 11- 6-68 2- 5-69 7- 8-69 8-13-69 11- 6-69 12-19-69 6-23-70	8.74 9.26 9.76 13.1 9.48 11.8 6.73 16.4 10.9 10.9 9.04 12.9 13.8 12.2 14.0 12.3 12.6 11.8 10.5
4-0445.31	Silver Lead Creek	West Branch Chocoday River	NW1/4 sec.1, T.45 N., R.25 W., Marquette County, above treatment plant at K.I. Sawyer Air Base, 4 1/2 miles northeast of Gwinn, Mich.	1.87	6-24-65 9- 1-70	5.50 5.76
4-0445.32	do	do	NW1/4 sec.1, T.45 N., R.25 W., Marquette County, at K.I. Sawyer Air Base, below treatment plant, 4 1/2 miles northeast of Gwinn, Mich.	1.87	7-26-63 7-21-64	7.31 8.57
4-0445.34	West Branch Chocoday River	Chocoday River	SE1/4 SE1/4 sec.30, T.46 N., R.24 W., Marquette County, below Wilson Lake Outlet, 5 1/2 miles southeast of Sands, Mich.	5.78	7-26-63 7-21-64	14.3 10.5
4-0445.36	do	do	SW1/4 SW1/4 sec.21, T.46 N., R.24 W., Marquette County, 5 1/2 miles southeast of Sands, Mich.	8.24	7-26-63 7-21-64	15.7 13.4
4-0445.38	do	do	On line between secs.14 and 23, T.46 N., R.24 W., Marquette County, 1 1/2 miles west of Skandia, Mich.	10.4	7-26-63 7-21-64	20.6 19.0
4-0445.40	Chocoday River	Lake Superior	NE1/4 sec.8, T.47 N., R.24 W., Marquette County, at State Highway 28, near Harvey, Mich.		6-22-48	129
4-0445.52	Big Creek	Chocoday River	NW1/4 NW1/4 sec.18, T.46 N., R.24 W., Marquette County, 3 miles southeast of Sands, Mich.	2.69	7-26-63 7-21-64	4.99 3.98
4-0445.54	do	do	SW1/4 NE1/4 sec.7, T.46 N., R.24 W., Marquette County, 3 miles southeast of Sands, Mich.	4.60	7-26-63 7-21-64	7.58 7.12
4-0445.55	Peterson Creek	Big Creek	On line between secs.2 and 3, T.46 N., R.25 W., Marquette County, 1/4 mile south of Sands, Mich.	2.93	7-17-63 7-21-64	0 0
4-0445.57	do	do	SE1/4 SW1/4 sec.36, T.47 N., R.25 W., Marquette County, 1 1/2 miles east of Sands, Mich.	4.30	7-17-63 7-21-64	.15 .08
4-0445.59	do	do	SW1/4 SW1/4 sec.5, T.46 N., R.24 W., Marquette County, 3 1/4 miles southeast of Sands, Mich.	7.24	8-23-62 7-26-63 7-21-64	2.96 2.23 1.92
4-0445.60	Big Creek	Chocoday River	NW1/4 SE1/4 sec.5, T.46 N., R.24 W., Marquette County, 3 3/4 miles east of Sands, Mich.	14.4	8-23-62 7-26-63 7-21-64	18.0 13.8 12.6
4-0445.61	do	do	Center of sec.32, T.47 N., R.24 W., Marquette County, 3 1/2 miles east of Sands, Mich.	15.8	8-17-62 8-23-62 7-26-63 7-21-64	19.8 25.2 18.7 16.8
4-0445.63	Big Creek	Chocoday River	SW1/4 sec.28, T.47 N., R.24 W., Marquette County, 5 miles southeast of Harvey, Mich.	17.0	10-25-63 5-12-64 7-21-64 11-19-64 8-20-65 6- 1-66 9- 8-66 11-18-66 2-21-67 5- 5-67 8-10-67 11-15-67 2- 2-68 7-26-68 11- 6-68 3- 4-69 7- 8-69 8-13-69 11- 5-69 2-20-70 6-23-70	27.3 28.1 24.8 25.1 23.5 25.6 23.2 29.9 28.6 27.5 26.3 28.0 29.7 25.0 28.0 26.1 28.5 28.1 30.6 26.6 30.1

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Superior--continued						
4-0445.70	Cedar Creek	Chocolay River	SW1/4 sec.26, T.47 N., R.25 W., Marquette County, 1 1/4 miles north of Sands, Mich.	5.42	7-17-63 7-21-64	.10 .30
4-0445.72	do	do	SW1/4 sec.24, T.47 N., R.25 W., Marquette County, 2 1/2 miles northeast of Sands, Mich.	7.65	7-26-63 7-21-64	8.50 7.93
4-0445.74	do	do	SE1/4 NW1/4 sec.19, T.47 N., R.24 W., Marquette County, at road 2 3/4 miles south of Harvey, Mich.	9.17	8-17-62 7-26-63 10-25-63 5-12-64 7-21-64 11-19-64 8-20-65 6- 1-66 9- 8-66 11-18-66 2-21-67 4-28-67 8-10-67 11-15-67 2- 2-68 7-26-68 11- 6-68 3- 4-69 7- 8-69 8- 3-69 11- 6-69 2-20-70 6-23-70	11.3 10.6 10.6 11.6 10.2 11.1 10.9 10.5 11.1 12.0 10.8 10.7 11.4 11.1 11.6 11.0 11.6 11.7 13.3 12.2 12.3 12.0 12.4
4-0445.80	Cherry Creek	do	NW1/4 NW1/4 sec.23, T.47 N., R.25 W., Marquette County, 3 1/4 miles southwest of Harvey, Mich.	.14	7-26-63 7-21-64	.20 .05
4-0445.81	do	do	NW1/4 NE1/4 sec.23, T.47 N., R.25 W., Marquette County, 3 miles southwest of Harvey, Mich.	.33	7-26-63 7-21-64	4.78 4.40
4-0445.82	do	do	SW1/4 sec.13, T.47 N., R.25 W., Marquette County, 2 1/4 miles southwest of Harvey, Mich.	.61	7-26-63 7-21-64	9.24 9.67
4-0445.83	do	do	On line between sec.13, T.47 N., R.25 W., and sec.18, T.47 N., R.24 W., Marquette County, 2 miles south of Harvey, Mich.	4.53	10-25-63 5-12-64 7-21-64 11-19-64 8-20-65	16.6 17.7 18.6 19.0 17.0
4-0445.84	do	do	NE1/4 SW1/4 sec.18, T.47 N., R.24 W., Marquette County, 1 3/4 miles north of Harvey, Mich.	5.03	8-17-62 7-26-63 7-21-64	21.0 19.9 19.2
4-0445.88	Chocolay River	Lake Superior	NE1/4 sec.8, T.47 N., R.24 W., Marquette County, 149 at State Highway 28, 1 1/2 miles southeast of Harvey, Mich.		7-26-63 7-21-64	104 105
4-0445.90	Silver Creek	Chocolay River	NE1/4 NE1/4 sec.15, T.47 N., R.25 W., Marquette County, 3 miles southwest of Harvey, Mich.	3.78	7-25-63 7-21-64	.18 .10
4-0445.91	do	do	SE1/4 NW1/4 sec.14, T.47 N., R.25 W., Marquette County, 2 1/2 miles southwest of Harvey, Mich.	4.37	7-26-63 7-21-64	2.90 2.68
4-0445.92	do	do	SW1/4 SW1/4 sec.12, T.47 N., R.25 W., Marquette County, above unnamed tributary, 1 3/4 miles southwest of Harvey, Mich.	4.88	8-23-62 7-26-63 7-21-64	2.76 1.81 1.67
4-0445.94	do	do	NW1/4 SW1/4 sec.12, T.47 N., R.25 W., Marquette County, below unnamed tributary, 1 1/2 miles southwest of Harvey, Mich.	6.83	7-26-63 7-21-64	5.66 5.27
4-0445.95	do	do	NW1/4 NE1/4 sec.12, T.47 N., R.25 W., Marquette County, at Harvey, Mich.	8.58	8-23-62 7-26-63 10-25-63 5-12-64 7-21-64 11-19-64	9.72 7.54 7.12 7.32 7.05 6.99
4-0445.97	do	do	NW1/4 sec.8, T.47 N., R.24 W., Marquette County, at Lake Superior and Ishpeming Railroad near Harvey, Mich.		6-22-48	8.84
4-0446.20	Laughing Whitefish River	Lake Superior	NW1/4 sec.13, T.47 N., R.22 W., Alger County, at bridge on State Highway 28, near Au Train, Mich.		9-16-60	16.0
4-0446.30	Rock River	Shelter Bay	SW1/4 sec.22, T.47 N., R.21 W., Alger County, at bridge on State Highway 28, near Au Train, Mich.		9-16-60	26.6
4-0447.15	Slapneck Creek	Au Train River	SE1/4 NE1/4 sec.35, T.46 N., R.21 W., Alger County, along Lake Superior and Ishpeming Railway, 2 miles east of Chatham, Mich.	11	9-20-67 8-25-69 8-17-70	1.34 2.77 5.02

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Superior						
4-0447.30	Au Train River	Au Train Bay	NW1/4 sec.5, T.46 N., R.20 W., Alger County, at county highway bridge at Au Train, Mich.		10-19-44 9-23-49 11-16-49	106 108 104
4-0447.40	Anna River	South Bay	NE1/4 sec.11, T.46 N., R.19 W., Alger County, at bridge on State Highway 28, at Munising, Mich.	20	9-22-49 11-16-49 9-16-60 8-27-69 8-17-70	37.2 31.2 38.7 34.4 34.3
4-0447.85	Hurricane River	Lake Superior	N1/2 sec.10, T.49 N., R.15 W., Alger County, at bridge on Truck Trail, near Grand Marais, Mich.		9-16-60	16.1
4-0447.92	Trout Creek	Cranberry Lake Outlet (intermittent)	NW1/4 NW1/4 sec.11, T.49 N., R.11 W., Luce County, 100 ft upstream from diversion to Muskallonge Lake, 2 miles southwest of Deer Park, Mich.		11- 3-59	6.96
4-0447.94	Trout Creek Diversion	Muskallonge Lake	SE1/4 SW1/4 sec.2, T.49 N., R.11 W., Luce County, 30 ft upstream from Muskallonge Lake, 1.7 miles southwest of Deer Park, Mich.		11- 3-59 10-25-60	4.70 6.97
4-0447.95	Trout Creek	Cranberry Lake Outlet (intermittent)	SW1/4 SW1/4 sec.2, T.49 N., R.11 W., Luce County, 100 ft downstream from diversion, 500 ft upstream from Cranberry Lake and 2 miles southwest of Deer Park, Mich.		11- 3-59	2.46
4-0448.00	Two Hearted River	Lake Superior	NW1/4 NE1/4 sec.31, T.49 N., R.10 W., Luce County, at County Road 407 at High Bridge, 5 miles south of Deer Park, Mich.		10-30-67	150
4-0448.04	do	do	NW1/4 sec.11, T.49 N., R.10 W., Luce County, 4.5 miles east of Deer Park, Mich.		8- 7-63	74.7
4-0448.20	Betsy River	Whitefish Bay	NE1/4 SW1/4 sec.6, T.49 N., R.7 W., Chippewa County, at Falls Road bridge, 12 miles west of Paradise, Mich.	23	9-12-49 9-14-49 11-15-49	2.59 7.39 49.1
4-0448.25	do	do	SE1/4 NE1/4 sec.3, T.49 N., R.6 W., Chippewa County, at bridge on State Highway 123, at Shelldrake, Mich.	89	9-14-49 11-15-49	73.9 124
4-0449.90	East Lake Creek	Teaspoon Creek	SW1/4 sec.11, T.45 N., R.11 W., Luce County, at outlet of East Lake, 3 miles southeast of McMillan, Mich.		9-17-69	.05
4-0449.91	do	do	NE1/4 sec.11, T.45 N., R.11 W., Luce County, 1 mile downstream from East Lake, 3 miles southeast of McMillan, Mich.		9-17-69	.15
4-0450.00	Tahquamenon River	Lake Superior	NE1/4 NE1/4 sec.23, T.46 N., R.10 W., Luce County, at bridge on State Highway 48, at Newberry, Mich.	200	9-29-31 6-25-32 10- 8-33 6-30-47 9-15-49 11-15-49 7-28-65	339 105 154 148 216 380 100
4-0455.20	Pendills Creek	do	NW1/4 sec.28, T.47 N., R.4 W., Chippewa County, 300 ft above mouth, near Raco, Mich.		9- 5-50	20.6
4-0455.28	West Branch Waiska River	Waiska River	SE1/4 NE1/4 sec.4, T.45 N., R.3 W., Chippewa County, 50 ft upstream from Clear Creek, 4 miles southeast of Raco, Mich.		11-30-67	10.7
Streams tributary to St. Marys River						
4-0460.00	Little Munuscong River	St. Marys River	NE1/4 sec.10, T.44 N., R.1 E., at highway bridge, 4 miles south of Barbeau, Mich.		9-19-49	0
4-0460.20	Munuscong River	do	On line between secs.20, 29, T.44 N., R.1 E., at Stirlingville, Mich.		9-19-49 11-17-49 8- 6-63	18.8 77.4 15.7

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements						
					Date	Discharge (cfs)					
Streams tributary to Lake Michigan--continued											
4-0463.85	McDonald Lake Outlet	Lake Michigan	SW1/4 sec.4, T.41 N., R.13 W., Schoolcraft County, at bridge on State Highway 99, near Gulliver, Mich.		3-12-45	6.92					
					4-17-47	127					
					8-14-47	.26					
					10-20-49	1.31					
					2-10-50	11.3					
					5- 4-50	143					
					7-26-50	2.46					
4-0463.90	do	do	NE1/4 sec.9, T.41 N., R.13 W., Schoolcraft County, at county highway bridge near Gulliver, Mich.		5- 5-45	45.4					
					11-15-45	60.1					
					1-23-46	20.1					
					4-24-46	15.7					
					8-20-46	4.25					
					11-15-46	26.8					
					3- 5-47	5.42					
					1-23-48	3.60					
					6- 3-48	3.14					
					10- 2-48	.27					
					2- 3-49	9.17					
					4-26-49	39.2					
					4-0464.00	Gulliver Lake Outlet	do	SW1/4 sec.2, T.41 N., R.14 W., Schoolcraft County, 1 1/2 miles southwest of Gulliver, Mich.	7	3-16-45	4.20
										5- 5-45	9.91
11-15-45	8.52										
1-23-46	8.79										
4-24-46	12.4										
8-20-46	1.48										
11-15-46	10.8										
3- 5-47	3.53										
4-17-47	29.2										
8-14-47	.79										
10-29-47	0										
1-23-48	0										
4-22-48	3.68										
10- 6-48	0										
2- 3-49	5.41										
4-26-49	0										
2-10-50	6.40										
5- 4-50	30.8										
7-26-50	.05										
10-12-50	1.88										
1-15-51	2.00										
5-15-51	3.10										
8-23-51	0										
10-16-51	7.53										
1-17-52	5.33										
4-24-52	18.8										
6-17-52	6.07										
10-16-52	0										
2-19-53	5.34										
5-12-53	18.8										
7-22-53	.39										
10-15-53	.36										
2-15-54	6.00										
5-12-54	24.5										
8-20-54	.92										
11- 9-54	10.4										
2-16-55	2.55										
4-27-55	17.5										
7-28-55	0										
10-19-55	0										
1-17-56	0										
4-12-56	19.2										
7-19-56	8.51										
10-17-56	3.21										
1-15-57	4.36										
5- 1-57	30.9										
7-15-57	.17										
10-16-57	0										
1-20-58	3.97										
5- 1-58	13.9										
7-17-58	2.41										
10-14-58	4.31										
1-19-59	3.20										
5-20-59	.50										
9-15-59	.64										

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Michigan--continued						
4-0470.00	North Manistique Lake Outlet	Manistique Lake	SW1/4 sec.20, T.45 N., R.11 W., Luce County, at bridge on State Highway 98, 1/4 mile northeast of Helmer, Mich.	15	10-26-44	3.82
					3-12-45	18.6
					5- 2-45	18.3
					2-26-46	16.3
					4-25-46	15.6
					11-15-46	6.30
					3- 5-47	13.3
					10-29-47	1.44
					3- 2-48	12.1
					4-23-48	26.0
					6- 3-48	1.0
					10- 7-48	.79
					2- 2-49	15.5
					4-25-49	23.8
					10-19-49	11.1
					2- 6-50	16.0
					5- 2-50	47.0
					7-25-50	9.41
					10-12-50	11.7
					1-15-51	14.7
					5-14-51	15.4
					8-22-51	7.64
					10-17-51	14.7
					1-16-52	18.3
					4-21-52	43.7
					6-18-52	14.8
					10-16-52	3.78
					2-19-53	18.7
					5-13-53	26.2
					7-21-53	22.9
					10-15-53	1.88
					2-16-54	17.0
					5-13-54	33.3
					8-12-54	3.65
					11-10-54	17.6
					2-16-55	12.5
					4-28-55	24.2
					7-27-55	1.98
					10-18-55	1.75
					1-18-56	15.4
					4-16-56	34.0
					7-17-56	18.1
					10-16-56	3.74
					1-15-57	10.4
					5- 3-57	23.9
					7-16-57	5.68
					10-15-57	.94
					1-21-58	14.7
					4-23-58	31.3
					7-16-58	10.4
					10-17-58	7.38
					1-20-59	11.4
					5-19-59	19.4
4-0490.00	Holland Creek	Manistique River	NW1/4 sec.34, T.46 N., R.14 W., Schoolcraft County, near Seney, Mich.		5-21-42	15.9
					6-26-42	5.61
					11-21-42	33.9
					4-22-43	204
					10-15-43	3.92
					4-17-44	142
					10-27-44	6.11
					5- 5-45	23.2
					4-18-47	112
					10-30-47	2.51
					4-23-48	26.4
					4-24-50	419
					4-0491.00	Clark Ditch
4-13-39	6.92					
4-18-39	31.0					
4-22-39	107					
5-31-39	3.80					
6-28-39	1.86					
7-31-39	.13					
4-0492.00	Holland Creek	Manistique River	NE1/4 sec.21, T.45 N., R.13 W., Schoolcraft County, at bridge on State Highway M-77, 2 1/4 miles north of Germfask, Mich.	2		
					11- 2-67	7.18
					11-29-67	3.05
					1-17-68	4.76
					5-14-68	3.33
					7-25-68	2.31
					11- 7-68	5.67
					2-19-69	6.02
					7-15-69	1.94
					8-18-69	.8

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements						
					Date	Discharge (cfs)					
Streams tributary to Lake Michigan--continued											
4-0504.00	Grays Creek Spillway	Grays Creek	NE1/4 sec.8, T.44 N., R.13 W., Schoolcraft County, at Germfask, Mich.		8-26-40	2.20					
					9-18-40	19.6					
					9-18-40	41.6					
					9-18-40	79.4					
					10-25-40	4.61					
4-0505.00	Grays Creek	Manistique River	NE1/4 sec.8, T.44 N., R.13 W., Schoolcraft County, at Germfask, Mich.		10-23-40	10.2					
					11-20-40	20.4					
					12-18-40	5.31					
					1- 9-41	18.3					
					2-14-41	21.9					
					3-10-41	13.0					
					4-12-41	151					
					4-15-41	23.5					
					5- 5-41	24.0					
					6-19-41	2.76					
					8-11-41	3.28					
					8-25-41	2.74					
					10-23-41	100					
					4-0510.00	Pine Creek	do	NE1/4 sec.7, T.44 N., R.13 W., Schoolcraft County, near Germfask, Mich.		10-23-40	30.9
11-29-40	31.8										
12-18-40	12.0										
1-16-41	23.9										
2-18-41	16.3										
3- 6-41	12.7										
4-12-41	80.9										
4-15-41	69.7										
5- 5-41	19.7										
6-20-41	9.23										
8- 9-41	5.13										
8-25-41	5.98										
10-25-41	34.2										
4-0515.00	Sand Creek	Pine Creek	NE1/4 sec.7, T.44 N., R.13 W., Schoolcraft County, near Germfask, Mich.							10-23-40	10.2
					11-26-40	13.1					
					12-18-40	5.53					
					1-16-41	23.4					
					2-18-41	6.15					
					3-10-41	5.11					
					4-12-41	3.39					
					5- 5-41	24.0					
					6-20-41	1.78					
					8- 9-41	1.21					
					8-25-41	5.13					
					10-25-41	45.0					
					4-0520.00	Driggs River	Manistique River	N1/2 sec.36, T.46 N., R.15 W., Schoolcraft County, near Seney, Mich.		5-21-42	81.1
										6-26-42	58.2
11-19-42	87.0										
4-22-43	174										
10-15-43	64.9										
4-17-44	81.7										
10-27-44	44.0										
5- 4-45	92.2										
4-18-47	167										
10-30-47	47.8										
4-23-48	122										
4-24-50	146										
4-0525.00	Walsh Creek	Driggs River	NW1/4 sec.34, T.46 N., R.15 W., Schoolcraft County, near Seney, Mich.							5-21-42	15.4
										6-26-42	5.08
					11-19-42	37.9					
					4-22-43	200					
					10-15-43	5.38					
					4-17-44	106					
					10-27-44	4.73					
					5- 4-45	16.3					
					4-18-47	132					
					10-30-47	3.49					
					4-23-48	30.6					
					4-24-50	209					
					4-0533.00	Mead Creek	Manistique River	NE1/4 NW1/4 sec.30, T.44 N., R.13 W., Schoolcraft County, at bridge on County Road 436, 5 1/2 miles southwest of Germfask, Mich.		8-15-67	1.18
										11- 2-67	38.2
11-29-67	18.8										
1-17-68	8.91										
5-13-68	20.2										
7-25-68	9.06										
11- 7-68	20.4										
2-19-69	19.4										
7-15-69	13.8										
8-18-69	5.22										
4-0535.00	Marsh Creek	do	NW1/4 sec.31, T.46 N., R.15 W., Schoolcraft County, near Shingleton, Mich.		5-21-42	6.37					
					6-26-42	.46					
					11-19-42	26.4					
					4-22-43	95.4					
					11- 8-43	17.5					
					4-17-44	99.3					
					5- 4-45	11.2					
					4-18-47	81.9					
					4-24-48	17.2					
					4-24-50	170					

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Michigan--continued						
4-0542.00	Mezik Creek	Manistique River	NE1/4 sec.1, T.43 N., R.14 W., Schoolcraft County, at bridge on County Road 436, 4.3 miles northwest of Blaney, Mich.	12	8-15-67	3.35
					11- 2-67	15.5
					11-29-67	4.76
					1-17-68	3.29
					5-13-68	6.00
					7-25-68	3.65
					11- 7-68	6.52
					2-19-69	5.96
					7-15-69	5.25
					8-18-69	3.64
4-0544.00	Duck Creek	do	SW1/4 sec.25, T.44 N., R.15 W., Schoolcraft County, immediately below tributaries 7.8 miles northeast of Hiawatha, Mich.	20	9- 8-67	1.13
					11- 2-67	30.0
					11-28-67	24.0
					1-17-68	4.92
					5-14-68	16.0
					7-25-68	6.56
					11- 7-68	25.9
					2-19-69	35.1
					7-15-69	21.2
					8-18-69	2.04
4-0555.00	Creighton River	West Branch Manistique River	NW1/4 sec.35, T.46 N., R.16 W., Schoolcraft County, near Shingleton, Mich.		5-21-42	48.5
					6-22-42	26.3
					11-19-42	94.6
					4-22-43	233
					10-15-43	32.1
					4-17-44	128
					10-27-44	23.5
					5- 4-45	65.1
					4-18-47	237
					10-30-47	16.0
4-0559.30	Stutts Creek	do	NE1/4 sec.17, T.43 N., R.15 W., Schoolcraft County, at bridge on County Road 448, 12 miles north of Manistique, Mich.		4-13-56	871
					4-17-56	686
					5-22-56	235
					6-14-56	98.9
					7-20-56	151
					8-17-56	85.6
					9-17-56	131
4-0566.50	Indian River	Manistique River	NW1/4 sec.28, T.45 N., R.19 W., Alger County, 1 1/2 miles below unnamed tributary and 13 miles northwest of Steuben, Mich.	10.5	8-20-57	13.0
4-0566.70	do	do	NW1/4 sec.34, T.45 N., R.19 W., Alger County, at Doe Lake Outlet, 11 1/2 miles northwest of Steuben, Mich.	17.5	8-20-57	26.0
4-0566.90	do	do	E1/2 sec.13, T.44 N., R.19 W., Alger County, at Federal Highway 13, 1 1/4 miles below Fish Lake and 7 1/2 miles west of Steuben, Mich.	26.8	8-20-57	42.2
4-0567.00	Blue Lake Outlet	Indian River	Lat 46°09'58", long 86°37'34", in SE1/4 NW1/4 sec.36, T.44 N., R.19 W., Alger County, at bridge on Federal Highway 13, 8.5 miles west of Steuben, Mich.	5.11	4- 8-69	9.20
					7-10-69	7.80
4-0567.05	Corner Lake Outlet	Deer Lake	SE1/4 SW1/4 sec.31, T.44 N., R.18 W., Schoolcraft County, between Corner and Deep Lakes, 7.3 miles southwest of Steuben, Mich.		10- 8-59	15.1
4-0567.10	Indian River	Manistique River	NW1/4 sec.29, T.44 N., R.18 W., Schoolcraft County, 3/4 mile below Straits Lake and 6 miles west of Steuben, Mich.	46.0	8-20-57	62.4
4-0567.13	Deer Creek	Indian River	SW1/4 sec.22, T.44 N., R.18 W., Schoolcraft County, above Indian River, 4 1/2 miles west of Steuben, Mich.	8.5	8-20-57	2.80
4-0567.15	Indian River	Manistique River	SW1/4 sec.22, T.44 N., R.18 W., Schoolcraft County, 1/2 mile below Deer Creek and 4 miles west of Steuben, Mich.	60.4	8-20-57	69.8
4-0567.17	Little Indian River	Indian River	NE1/4 sec.25, T.45 N., R.19 W., Alger County, 1 1/2 miles below McNeil Lake Outlet and 9 1/2 miles northwest of Steuben, Mich.	11.7	8-20-57	3.79
4-0567.19	do	do	NW1/4 sec.4, T.44 N., R.18 W., Schoolcraft County, 2 1/2 miles above Grassy Creek and 6 miles northwest of Steuben, Mich.	15.8	8-20-57	5.95
4-0567.21	do	do	SE1/4 sec.10, T.44 N., R.18 W., Schoolcraft County, 1/2 mile above Grassy Creek and 4 1/2 miles northwest of Steuben, Mich.	16.8	8-20-57	8.59
4-0567.23	do	do	NW1/4 sec.23, T.44 N., R.18 W., Schoolcraft County, 1/2 mile above Indian River and 3 miles west of Steuben, Mich.	22.8	8-20-57	9.36

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Michigan--continued						
4-0567.25	Indian River	Manistique River	On line between sec.25, T.44 N., R.18 W., Schoolcraft County, and sec.30, T.44 N., R.17 W., 1 mile below Triangle Lake Outlet and 1 1/2 miles west of Steuben, Mich.	90.8	8-20-57	80.4
4-0567.27	Camp 83 Creek	Indian River	NW1/4 sec.30, T.44 N., R.17 W., Schoolcraft County, 1/4 mile above Indian River and 1 1/2 miles west of Steuben, Mich.	1.3	8-20-57	.39
4-0567.30	Indian River	Manistique River	NE1/4 sec.29, T.44 N., R.17 W., Schoolcraft County, 1 1/2 miles below Camp 83 Creek, at Steuben, Mich.	93.5	8-20-57 8-21-57 8- 8-63	84.3 81.7 66.7
4-0567.33	Delias Run Creek	Indian River	SE1/4 sec.20, T.44 N., R.17 W., Schoolcraft County, 1 mile above Indian River, at Steuben, Mich.	11.6	8-20-57	2.70
4-0567.38	Indian River	Manistique River	NW1/4 sec.2, T.43 N., R.17 W., Schoolcraft County, at U.S. Forest Service Campgrounds, 3 1/2 miles southeast of Steuben, Mich.	111	8-20-57	104
4-0567.40	do	do	NW1/4 sec.14, T.43 N., R.17 W., Schoolcraft County, 2 1/2 miles above Little Murphy Creek and 5 miles southeast of Steuben, Mich.	115	8-20-57	110
4-0567.45	Little Murphy Creek	Indian River	NE1/4 sec.17, T.43 N., R.17 W., Schoolcraft County, 1/4 mile below Big Murphy Lake and 4 1/2 miles south of Steuben, Mich.	6.5	8-20-57	5.31
4-0567.47	do	do	SW1/4 sec.22, T.43 N., R.17 W., Schoolcraft County, 1 mile above Indian River and 6 miles southeast of Steuben, Mich.	10.3	8-20-57	9.52
4-0567.50	Indian River	Manistique River	SE1/4 sec.27, T.43 N., R.17 W., Schoolcraft County, 1/2 mile below Little Murphy Creek and 7 1/2 miles southeast of Steuben, Mich.	129	8-20-57	121
4-0567.80	Big Murphy Creek	Indian River	SE1/4 sec.30, T.43 N., R.17 W., Schoolcraft County, at Thunder Lake Outlet and 7 miles south of Steuben, Mich.	23.8	8-20-57	27.0
4-0567.95	Bear Creek	Big Murphy Creek	N1/2 sec.31, T.43 N., R.17 W., Schoolcraft County, above Big Murphy Creek, 1 mile below Bear Lake and 7 1/2 miles south of Steuben, Mich.	7.7	8-20-57	6.64
4-0568.00	Big Murphy Creek	Indian River	SW1/4 sec.32, T.43 N., R.17 W., Schoolcraft County, 1 1/4 miles below Bear Creek and 8 miles south of Steuben, Mich.	32.6	8-20-57	35.2
4-0568.90	do	do	NE1/4 sec.4, T.42 N., R.17 W., Schoolcraft County, 1/2 mile below unnamed tributary and 8 1/2 miles south of Steuben, Mich.	35.6	8-20-57	38.8
4-0569.00	Big Spring	Indian Lake	S1/2 sec.25, T.42 N., R.17 W., Schoolcraft County, at Palms Book State Park, 7 miles northwest of Manistique, Mich.		5-24-50 8- 8-50 11- 9-50 5-15-51 8-21-51 10-18-51 4-24-52 7-22-52 11-13-52 5-11-53 7-21-53 10-16-53 5-11-54 8-20-54 11-11-54 4-29-55 7-28-55 10-20-55 5- 8-56 7-18-56 10-15-56 5- 1-57 7-17-57 10-17-57 5- 1-58 7-15-58 10-16-58 5-18-59 7-10-59 10-15-59 5-23-60 6-24-60 10-14-60 5-12-61 9-15-61 10-27-61 5-16-62 7-17-62	37.1 31.2 32.2 35.5 32.6 29.1 39.4 32.5 27.2 35.5 35.0 31.9 33.7 28.5 31.0 36.0 27.1 21.3 25.6 22.8 19.8 31.9 30.0 21.2 30.9 29.4 24.6 30.8 25.6 21.7 48.1 31.8 26.8 29.6 24.8 22.5 33.6 25.4

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements																
					Date	Discharge (cfs)															
Streams tributary to Lake Michigan--continued																					
4-0569.00	Big Spring	Indian Lake	continued		10-12-62	22.8															
					4-25-63	24.8															
					8-27-63	23.4															
					10-16-63	20.2															
					5-12-64	26.1															
					8-27-64	28.9															
					11- 4-64	25.8															
					7- 8-65	27.6															
					11-24-65	30.2															
					2-24-66	30.6															
					7- 7-66	34.8															
					9- 7-66	28.4															
					2-17-67	24.0															
					7-25-67	26.6															
					11- 3-67	27.8															
					3- 8-68	22.3															
					5- 1-68	34.7															
					7-30-68	28.9															
					10-24-68	25.5															
					4-0570.35	Thompson Spring	Thompson Creek	SW1/4 NW1/4 sec.29, T.41 N., R.16 W., Schoolcraft County, at Thompson Fish Hatchery, 40 ft above confluence with Thompson Creek, 1.2 miles northwest of Thompson, Mich.		2-24-66	3.36										
3-31-66	3.61																				
7- 7-66	3.50																				
7- 9-69	3.67																				
4-0570.40	Thompson Creek	Lake Michigan	N1/2 SW1/4 sec.29, T.41 N., R.16 W., Schoolcraft County, at Thompson Fish Hatchery, 0.3 mile below mouth of Thompson Spring and 0.5 mile above mouth of Williams Creek, 0.9 mile northwest of Thompson, Mich.	4.36						2-24-66	7.05										
										3-31-66	8.89										
										7- 7-66	6.16										
										7- 9-69	8.73										
										8-28-70	7.97										
										4-0570.50	Williams Creek	Thompson Creek	NE1/4 NW1/4 sec.32, T.41 N., R.16 W., Schoolcraft County, at Thompson Fish Hatchery, 1,000 ft above confluence with Thompson Creek, 0.2 mile northwest of Thompson, Mich.	4.26	7- 9-69	2.44					
															4-0573.00	Sturgeon River	Big Bay de Noc	SE1/4 sec.14, T.45 N., R.20 W., Alger County, at outlet of Sixteenmile Lake, about 11 miles southwest of Munising.	7.34	10- 8-59	2.16
																				6- 3-60	8.69
																				8-19-60	4.51
																				10-14-60	3.51
5-12-61	4.16																				
7-13-61	.03																				
10-27-61	9.30																				
5-16-62	5.93																				
7-13-62	2.61																				
10-12-62	.31																				
4-24-63	2.98																				
7- 3-63	.91																				
10-16-63	.25																				
4-0574.90	do	do	NW1/4 sec.13, T.42 N., R.20 W., Delta County, at bridge on Federal Forest Road 2223, 10 miles north of St. Jacques, Mich.		9-14-49	102															
					11-14-49	182															
4-0575.00	do	do	SW1/4 SW1/4 sec.34, T.42 N., R.19 W., Delta County, 3 miles downstream from Eighteen Mile Creek, 7 miles northeast of St. Jacques, Mich.	167	11- 5-51	200															
					8-26-63	33.6															
4-0575.10	do	do	Lat 45°56'35", long 86°42'20", in SW1/4 SE1/4 sec.17, T.41 N., R.19 W., Delta County, Hiawatha National Forest, on left bank 30 ft upstream from U.S.F.S. 2231 bridge, 500 ft downstream from Mormon Creek, 0.1 mile east of Federal Forest Highway 13, and 3.2 miles north of Nahma Junction, Mich.	183	5- 4-50	1,260															
					9- 7-66	58.5															
					9-12-66	48.4															
4-0575.20	do	do	NW1/4 sec.6, T.40 N., R.19 W., Delta County, at bridge on U.S. Highway 2, near St. Jacques, Mich.		9- 9-49	94.2															
					11-14-49	286															
					4-25-50	1,120															
					5- 4-50	1,210															
4-0575.30	West Branch Whitefish River	Whitefish River	On line between secs.9, 10, T.43 N., R.21 W., Delta County, 4 miles southeast of Trenary, Mich.		8-26-63	16.0															
					4-0576.05	Whitefish River	Little Bay de Noc	NE1/4 sec.16, T.41 N., R.21 W., Delta County, 1 1/2 miles northeast of Rapid River, Mich.	307	9-21-49	168										
11-16-49	492																				
4-29-50	1,830																				
8-26-63	54.1																				
8-17-70	71.3																				
4-0576.48	Rapid River	do	NE1/4 NW1/4 sec.20, T.41 N., R.21 W., Delta County, at County Highway bridge, 0.8 mile north of Rapid River, Mich.	140	9-14-49	94.2															
					8-26-63	2.89															
					9-12-67	2.16															
					8-25-69	3.14															
					8-17-70	3.03															

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Michigan--continued						
4-0576.50	Rapid River	Little Bay de Noc	NW1/4 sec.29, T.41 N., R.21 W., Delta County, at bridge on U.S. Highway 2, at Rapid River, Mich.	144	9-14-49 11-17-49	72.3 189
4-0576.55	Tacoosh River	do	NW1/4 sec.19, T.41 N., R.21 W., Delta County, at bridge on County Highway, 1 mile northwest of Rapid River, Mich.	60	9-12-67 8-25-69 8-17-70	.44 .52 .26
4-0576.60	Days River	do	NW1/4 NW1/4 sec.4, T.40 N., R.22 W., Delta County, 3 miles north of Gladstone, Mich.	65	8-25-69 8-28-70	4.18 3.43
4-0576.62	Days River tributary	Days River	SW1/4 NW1/4 sec.4, T.40 N., R.22 W., Delta County, 700 ft above mouth, 3 miles north of Gladstone, Mich.	2	8-24-65 9-14-67 8-26-69 8-28-70	1.10 1.58 1.81 1.55
4-0576.63	Days River	Little Bay de Noc	NW1/4 NW1/4 sec.2, T.40 N., R.22 W., Delta County, at U.S. Highway 2 and 41 bridge, 2.2 miles southwest of Rapid River, Mich.	70	9-14-67 8-27-69 8-28-70	4.57 5.79 4.98
4-0576.90	Middle Branch Escanaba River	Escanaba River	N1/2 sec.28, T.48 N., R.29 W., Marquette County, 0.1 mile above unnamed tributary, 1 3/4 miles northeast of Champion, Mich.	16.7	9-22-61 2-13-62 8-22-62 7-16-63 8-19-70	.68 1.99 .15 2.20 1.17
4-0577.00	do	do	SE1/4 NW1/4 sec.27, T.48 N., R.29 W., Marquette County, at bridge on Chicago and Northwestern Railway, 2 1/4 miles northeast of Champion, Mich.	23.7	8-23-61 9-22-61 2-13-62 6-28-62 8-22-62 10-15-62 10-17-62 2-13-63 4-25-63 7- 1-63 7-16-63 10- 1-63 2-19-64 5-21-64 6- 1-64 1- 7-65 7-21-65 8-19-70	1.19 1.21 3.33 6.18 .57 4.80 3.69 4.07 34.5 8.63 3.79 1.25 3.90 25.8 25.0 11.3 2.00 2.03
4-0577.01	do	do	SE1/4 sec.27, T.48 N., R.29 W., Marquette County, at bridge on Chicago and Northwestern Railway, 2.5 miles northeast of Champion, Mich.		11- 8-48	10.9
4-0577.45	Second River	Middle Branch Escanaba River	SE1/4 sec.25, T.48 N., R.29 W., Marquette County, at culvert, 3.5 miles northeast of Humboldt, Mich.	3.12	11- 8-48	2.56
4-0577.50	do	do	NE1/4 sec.36, T.48 N., R.29 W., Marquette County, 1.6 miles northeast of Humboldt, Mich.	9.83	9-22-61 2-12-62 8-22-62 10-18-62 7-16-63	1.90 1.54 .90 1.62 2.62
4-0577.70	Halfway Creek	do	SW1/4 sec.3, T.47 N., R.29 W., Marquette County, at bridge on U.S. Highway 41, 1.7 miles west of Humboldt, Mich.	3.93	9-22-61 2-13-62 8-22-62 7-16-63	0.55 .28 .08 .21
4-0577.71	do	do	SW1/4 NE1/4 sec.3, T.47 N., R.29 W., Marquette County, 0.3 mile above mouth, 1 1/2 miles west of Humboldt, Mich.	6.23	10-18-62	1.81
4-0578.00	Middle Branch Escanaba River	Escanaba River	Lat 46°29'57", long 87°53'11", in SW1/4 sec.1, T.47 N., R.29 W., Marquette County, on left bank 15 ft upstream from county highway bridge, 0.3 mile north of Humboldt, and 1.5 miles downstream from Halfway Creek.		9-24-48 11- 8-48 1-29-59 2-10-59 2-26-59 3-12-59	6.61 20.2 12.2 11.3 10.1 12.7
4-0578.01	do	do	SE1/4 sec.1, T.47 N., R.29 W., Marquette County, 1 mile east of Humboldt, Mich.		10- 2-52	10.2
4-0578.06	Boston Lake Outlet	Middle Branch Escanaba River	NE1/4 sec.5, T.47 N., R.28 W., Marquette County, 0.2 mile below Boston Lake, at Diorite, Mich.	1.99	10-18-62	.02
4-0578.08	do	do	NE1/4 sec.7, T.47 N., R.28 W., Marquette County, 0.4 mile above mouth, at Clarksburg, Mich.	7.02	10-18-62	0

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Michigan--continued						
4-0578.10	Middle Branch Escanaba River	Escanaba River	S1/2 sec.7, T.47 N., R.28 W., Marquette County, 1/2 mile south of Clarksburg, Mich.	54.8	1-16-59	19.6
					1-29-59	14.2
					2-10-59	12.8
					2-26-59	10.6
					6-10-59	31.1
					9-22-61	10.9
					2-12-62	9.72
					8-22-62	6.12
					10-18-62	12.4
					7-16-63	12.3
4-0578.50	Black River	Middle Branch Escanaba River	NE1/4 sec.28, T.47 N., R.29 W., Marquette County, at bridge on County Highway 601, 4 1/4 miles southwest of Humboldt, Mich.	11.3	12- 8-60	15.0
					8-17-61	.12
					9-22-61	1.01
					2-13-62	1.98
					6-29-62	1.70
					8-22-62	.06
					10-15-62	1.72
					2-13-63	2.70
					4-25-63	14.2
					7- 1-63	4.08
					7-16-63	.57
					10- 2-63	.14
					3-10-64	.5
					5-20-64	20.0
					6- 2-64	10.1
					8-13-64	1.15
					1-21-65	3.05
7-21-65	.12					
4-0578.20	Middle Branch Escanaba River	Escanaba River	NW1/4 sec.3, T.46 N., R.28 W., Marquette County, 100 ft downstream from Bell Creek, 5 miles southwest of Greenwood, Mich.	73.3	10- 2-60	43.6
					8-17-61	10.8
					9-22-61	15.0
					2-13-62	18.0
					6-29-62	21.6
					8-22-62	8.62
					10-15-62	20.4
					2-13-63	14.7
					4-25-63	84.5
					7- 1-63	29.8
					7-16-63	17.0
					10- 2-63	11.0
					2-19-64	12.4
					5-20-64	86.2
					1- 6-65	33.1
					7-21-65	16.1
					1-13-66	84.5
					2-10-66	70.1
					3-15-66	99.1
					4-20-66	435
					6- 9-66	144
					7- 8-66	24.9
					8- 4-66	11.7
					9- 1-66	22.8
					10-25-66	64.8
					11-24-66	89.1
					12-24-66	70.9
					2- 1-67	50.4
					3- 8-67	26.6
					5- 7-67	160
					6-20-67	161
					7-20-67	36.1
					8-17-67	17.5
					9-27-67	12.9
					11-29-67	42.8
					12-19-67	31.6
					1-12-68	21.6
					2-14-68	21.4
					5-21-68	95.8
					7-25-68	74.0
					8-21-68	32.0
					10-18-68	74.5
					11-13-68	80.5
					12-11-68	63.6
					1-21-69	47.6
					3- 5-69	38.5
					5- 5-69	292
					6-18-69	72.5
					7-15-69	28.0
					8-14-69	16.1
					11- 5-69	37.9
					1-13-70	20.8
					4-28-70	366
					6- 1-70	525
					4-0578.52	Lake Lory Outlet
12-16-49	1.13					
1-31-50	.77					
3-16-50	1.03					
5- 4-50	8.13					
6-14-50	3.82					
8- 4-50	2.22					
10-10-50	.10					
1- 9-51	.39					

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Michigan--continued						
4-0578.52	Lake Lory Outlet	Black River	continued		2-20-51	.42
					8-23-51	1.11
					10- 9-51	3.82
					11-29-51	2.53
					1-31-52	1.02
					2-28-52	.59
					4- 4-52	1.61
					4-25-52	20.6
					5-29-52	2.57
					6-30-52	2.32
					7-28-52	1.49
					8-29-52	1.87
					9-25-52	.12
					10-29-52	0
					12- 2-52	0
					12-31-52	.12
					1-28-53	0
					3- 2-53	0
					4- 1-53	1.82
					5-26-53	3.60
					7-31-53	0
					10-16-53	0
4-0578.60	McKinnon Lake Outlet	Lake Lory Outlet	NW1/4 sec.14, T.47 N., R.29 W., Marquette County, 2 miles south of Humboldt, Mich.	2.80	9-12-60	4.69
					7-16-63	.81
4-0578.70	Lake Lory Outlet	Black River	NE1/4 sec.28, T.47 N., R.29 W., Marquette County, at bridge on County Highway 601, 4 miles southwest of Humboldt, Mich.	7.45	9-12-60	7.42
					12- 8-60	14.0
					9-22-61	.75
					2-13-62	3.14
					8-22-62	1.27
					10-15-62	3.23
					7-16-63	.84
4-0578.85	Black River	Middle Branch Escanaba River	SW1/4 sec.34, T.47 N., R.29 W., Marquette County, 3 miles northeast of Republic, Mich.	24	10- 2-60	17.7
4-0578.90	Bruce Creek	Black River	SW1/4 sec.3, T.46 N., R.29 W., Marquette County, at bridge 2 1/2 miles east of Republic, Mich.	6.79	9-22-61	.63
					2-13-62	.71
					8-22-62	.28
					7-16-63	.79
4-0579.00	Black River	Middle Branch Escanaba River	NE1/4 sec.2, T.46 N., R.29 W., Marquette County, at county road crossing, 4 miles east of Republic, Mich.		9-12-60	28.5
					11-13-68	31.1
					1-21-69	25.3
					7- 7-69	21.2
					8-14-69	2.21
					11- 5-69	14.5
					2-17-70	6.82
					6-23-70	12.2
					8-10-70	1.93
4-0579.80	do	do	SW1/4 sec.11, T.46 N., R.28 W., Marquette County, 0.3 mile upstream from mouth, 6 1/2 miles south of Greenwood, Mich.	50.8	8-17-61	6.11
					9-22-61	7.82
					2-13-62	7.53
					2-14-62	9.39
					6-29-62	13.8
					8-22-62	4.95
					10-15-62	15.6
					2-13-63	9.96
					4-25-63	60.9
					7- 1-63	18.2
					7-16-63	6.18
					10- 1-63	4.41
					2-19-64	9.07
					5-20-64	70.2
					6- 2-64	40.1
					1- 6-65	19.3
					7-21-65	5.54
4-0580.02	Middle Branch Escanaba River tributary	do	NW1/4 sec.13, T.46 N., R.28 W., Marquette County, near mouth, 6 miles southwest of National Mine, Mich.		10-17-62	1.06
4-0580.10	West Branch Creek	do	SW1/4 sec.20, T.46 N., R.28 W., Marquette County, at bridge 7 miles southeast of Republic, Mich.	6.27	9-22-61	.28
					8-22-62	.19
					7-16-63	.32
4-0580.20	do	do	NE1/4 sec.27, T.46 N., R.28 W., Marquette County, at bridge on County Highway 581, 8 miles southwest of National Mine, Mich.	19.6	10- 2-60	18.7
					9-21-61	4.39
					9-22-61	4.93
					2-13-62	6.33
					6-29-62	6.98
					8-22-62	3.70
					10-17-62	9.04
					2-13-63	5.45
					4-25-63	17.2
					7- 1-63	5.45
					7-11-63	2.96
					7-16-63	3.83
					10- 1-63	4.18
					2-19-64	3.90
					5-20-64	17.5
					7-22-64	3.12
					1- 6-65	7.99
					7-21-65	3.19

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Michigan--continued						
4-0580.21	West Branch Creek tributary	West Branch Creek	NW1/4 sec.26, T.46 N., R.28 W., Marquette County, near mouth, 8 miles southwest of National Mine, Mich.		7-11-63 7-22-64	1.34 1.54
4-0580.22	Rocky Creek	do	SE1/4 sec.22, T.46 N., R.28 W., Marquette County, 0.4 mile upstream from mouth, 8.0 miles southwest of National Mine, Mich.	2	8-17-61 10-15-62 7-11-63 7-22-64	0.64 .84 .52 .59
4-0580.23	do	do	SW1/4 sec.23, T.46 N., R.28 W., Marquette County, at mouth, 8 miles southwest of National Mine, Mich.		10-17-62	.93
4-0580.24	West Branch Creek	Middle Branch Escanaba River	SW1/4 NE1/4 sec.23, T.46 N., R.28 W., Marquette County, 7 1/2 miles southwest of National Mine, Mich.		10-17-62	12.2
4-0580.26	do	do	SW1/4 sec.13, T.46 N., R.28 W., Marquette County, near mouth, 6 miles southwest of National Mine, Mich.	32.4	10-17-62 7-11-63 7-22-64	14.2 7.39 7.07
4-0580.30	Middle Branch Escanaba River	Escanaba River	NE1/4 sec.13, T.46 N., R.28 W., Marquette County, at bridge 6 miles southwest of National Mine, Mich.	164	9-22-61 8-22-62 10-17-62 7-11-63 7-12-63 7-16-63 7-22-64	40.4 27.6 52.9 33.5 32.9 34.6 27.9
4-0580.31	do	do	SE1/4 NW1/4 sec.18, T.46 N., R.27 W., Marquette County, 5 1/2 miles southwest of National Mine, Mich.		7-22-64	26.8
4-0580.32	do	do	SE1/4 sec.8, T.46 N., R.27 W., Marquette County, 4 1/2 miles south of National Mine, Mich.		7-11-63 7-22-64	39.6 31.8
4-0580.34	do	do	N1/2 sec.16, T.46 N., R.27 W., Marquette County, 5 miles south of National Mine, Mich.		7-11-63 7-22-64	39.4 32.7
4-0580.36	do	do	SW1/4 sec.15, T.46 N., R.27 W., Marquette County, 5 1/2 miles south of National Mine, Mich.		7-11-63 7-22-64	42.4 33.5
4-0580.38	do	do	NW1/4 sec.23, T.46 N., R.27 W., Marquette County, 5 miles southwest of Suomi, Mich.		7-11-63 7-22-64	43.4 35.6
4-0580.40	do	do	W1/2 sec.23, T.46 N., R.27 W., Marquette County, above unnamed tributary, 5 miles southwest of Suomi, Mich.		7-11-63 7-22-64	40.5 33.6
4-0580.43	Middle Branch Escanaba River tributary No. 2	Middle Branch Escanaba River	W1/2 sec.23, T.46 N., R.27 W., Marquette County, 5 miles southwest of Suomi, Mich.		7-11-63 7-22-64	2.61 2.59
4-0580.44	Middle Branch Escanaba River	Escanaba River	SW1/4 NE1/4 sec.26, T.46 N., R.27 W., Marquette County, 5 1/2 miles southwest of Suomi, Mich.		7-22-64	36.1
4-0580.47	Middle Branch Escanaba River tributary No. 3	Middle Branch Escanaba River	Center sec.26, T.46 N., R.27 W., Marquette County, 5 1/2 miles southwest of Suomi, Mich.		7-11-63 7-22-64	1.94 1.70
4-0580.50	Middle Branch Escanaba River	Escanaba River	NW1/4 sec.30, T.46 N., R.26 W., Marquette County, 1.7 miles upstream from Flopper Creek, 4 1/4 miles southwest of Suomi, Mich.	179	8-17-61 9-22-61 2-13-62 6-28-62 8-22-62 10-15-62 2-12-63 4-25-63 7- 1-63 7-11-63 7-16-63 10- 1-63 2-11-64 5-20-64 7-22-64 1- 8-65 7-21-65	47.7 45.8 48.9 78.2 34.9 70.0 40.9 187 71.6 39.2 42.8 39.0 46.6 212 38.1 93.9 44.2
4-0580.56	Flopper Creek	Middle Branch Escanaba River	NW1/4 SW1/4 sec.35, T.46 N., R.27 W., Marquette County, 9 miles northwest of Princeton, Mich.		8-16-62	1.77
4-0580.57	do	do	W1/2 sec.36, T.46 N., R.27 W., Marquette County, 8 1/2 miles northwest of Princeton, Mich.		8-16-62	4.50
4-0580.58	do	do	SE1/4 sec.36, T.46 N., R.27 W., Marquette County, above unnamed tributary, 8 miles northwest of Princeton, Mich.		8-16-62	5.34
4-0580.59	Unnamed tributary	Flopper Creek	SE1/4 sec.36, T.46 N., R.27 W., Marquette County, 8 miles northwest of Princeton, Mich.		8-16-62	.83

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Michigan--continued						
4-0580.60	Flopper Creek	Middle Branch Escanaba River	SW1/4 sec.31, T.46 N., R.26 W., Marquette County, at bridge on County Highway 565, 7 miles northwest of Princeton, Mich.	8.05	9-22-61 2-12-62 8-16-62 8-22-62 7-11-63 7-16-63	6.64 6.36 5.40 5.77 4.28 4.82
4-0580.61	do	do	SE1/4 sec.31, T.46 N., R.26 W., Marquette County, 6 1/2 miles northwest of Princeton, Mich.		8-16-62	6.13
4-0580.62	do	do	SE1/4 NE1/4 sec.31, T.46 N., R.26 W., Marquette County, 7 miles northwest of Princeton, Mich.	9.22	8-16-62 7-11-63	7.03 4.52
4-0580.73	Bear Creek	do	NW1/4 NW1/4 sec.18, T.45 N., R.26 W., Marquette County, 6 3/4 miles west of Princeton, Mich.		8-15-62	1.41
4-0580.74	do	do	SW1/4 sec.7, T.45 N., R.26 W., Marquette County, above unnamed tributary, 6 1/2 miles west of Princeton, Mich.		8-15-62	1.56
4-0580.75	Bear Creek tributary	Bear Creek	SW1/4 sec.7, T.45 N., R.26 W., Marquette County, 6 1/2 miles west of Princeton, Mich.		8-15-62	1.81
4-0580.76	Bear Creek	Middle Branch Escanaba River	SW1/4 W1/4 sec.8, T.45 N., R.26 W., Marquette County, 5 3/4 miles west of Princeton, Mich.		8-15-62	2.78
4-0580.77	Bear Creek tributary No. 2	Bear Creek	NE1/4 sec.17, T.45 N., R.26 W., Marquette County, 5 miles west of Princeton, Mich.		8-15-62	.82
4-0580.78	Bear Creek	Middle Branch Escanaba River	At corner of secs.8, 9, 16, 17, T.45 N., R.26 W., Marquette County, 5 miles west of Princeton, Mich.		8-15-62	4.68
4-0580.79	Bear Creek tributary	Bear Creek	SW1/4 NW1/4 sec.9, T.45 N., R.26 W., Marquette County, near mouth, 2.25 miles above mouth of Bear Creek.		8-15-62	.42
4-0580.80	Bear Creek	Middle Branch Escanaba River	SW1/4 NW1/4 sec.10, T.45 N., R.26 W., Marquette County, one mile upstream from mouth, 4 miles northwest of Princeton, Mich.	11.8	10- 4-60 8-16-61 9-10-61 9-22-61 2-12-62 6-28-62 8-15-62 8-22-62 10-15-62 2-12-63 4-25-63 7- 1-63 7-11-63 7-16-63 10- 1-63 2-11-64 5-18-64 8-20-64 1- 8-65 7-21-65	16.4 9.05 7.66 6.67 8.66 9.19 7.51 6.31 8.94 7.93 10.7 6.04 3.71 5.44 6.08 6.08 8.27 6.34 9.46 6.11
4-0581.10	Green Creek	do	NE1/4 NE1/4 sec.10, T.46 N., R.27 W., Marquette County, at tailings pond site, 4 miles south-west of Palmer, Mich.		1-30-63 2-12-63 6-11-63 6-25-63	.17 .41 5.12 1.02
4-0581.19	do	do	NW1/4 SE1/4 sec.13, T.46 N., R.27 W., Marquette County, 4 miles south of Palmer, Mich.		8-15-62	1.82
4-0581.20	do	do	NW1/4 sec.19, T.46 N., R.26 W., Marquette County, at bridge on County Highway 565, 4 1/2 miles south of Palmer, Mich.	8.42	9-22-61 2-12-62 8-15-62 8-22-62 7-16-63 11-19-63 12- 3-63 12-31-63 4- 1-64 4-28-64 12-23-64 4-15-65 6-18-65 7-28-65 8-27-65 3- 2-70	1.70 2.30 2.21 1.57 1.64 1.73 1.72 1.75 2.29 12.5 9.24 34.7 9.32 5.39 2.54 10.6
4-0581.22	do	do	SE1/4 NE1/4 sec.19, T.46 N., R.26 W., Marquette County, 5 miles south of Palmer, Mich.		8-15-62	2.66

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Michigan--continued						
4-0581.24	Green Creek	Middle Branch Escanaba River	SE1/4 NE1/4 sec.29, T.46 N., R.26 W., Marquette County, 6 miles south of Palmer, Mich.		8-16-62	3.53
4-0581.26	do	do	NW1/4 SW1/4 sec.34, T.46 N., R.26 W., Marquette County, 5 miles northwest of Princeton, Mich.		8-14-62 8-16-62	5.40 3.74
4-0581.30	do	do	SW1/4 sec.35, T.46 N., R.26 W., Marquette County, at bridge on State Highway 35, 4 miles northwest of Princeton, Mich.	13.8	10- 3-60 8-16-61 9-10-61 9-22-61 2-12-62 6-28-62 8-14-62 8-16-62 8-22-62 10-15-62 2-12-63 4- 4-63 4-25-63 6-25-63 7-16-63 10- 1-63 11-19-63 12- 3-63 12-31-63 1-27-64 2-26-64 4- 1-64 4-28-64 8-12-64 1- 8-65 7-21-65	8.04 4.46 4.60 4.37 4.98 7.13 6.36 4.93 3.59 6.52 4.56 62.8 10.5 8.15 3.87 2.84 3.69 4.10 3.00 4.09 3.78 4.02 25.8 6.12 15.0 5.92
4-0581.32	do	do	On line between secs.1, 2, T.45 N., R.26 W., Marquette County, 2 1/2 miles northwest of Princeton, Mich.		8-14-62	7.16
4-0581.70	Ely Creek	Schweitzer Creek	NW1/4 sec.33, T.47 N., R.27 W., Marquette County, at bridge on County Highway 476, 1 1/2 miles south of National Mine, Mich.	9.25	8-16-61 9-22-61 2-12-62 6-28-62 7-17-62 8-22-62 10-15-62 2-12-63 4-25-63 7- 1-63 7-16-63 10- 1-63 2-11-64 5-18-64 6- 1-64 1- 6-65 7-21-65	0.71 .99 1.07 1.38 .64 .47 2.23 1.18 5.67 1.57 1.11 .96 1.25 5.98 3.27 2.39 .46
4-0581.75	Green Creek	do	SE1/4 NW1/4 sec.36, T.47 N., R.28 W., Marquette County, 4 miles southwest of National Mine, Mich.		7-17-62	.33
4-0581.80	Unnamed tributary	Green Creek	SW1/4 sec.31, T.47 N., R.27 W., Marquette County, 3 1/2 miles southwest of National Mine, Mich.		7-17-62	.42
4-0581.83	Schweitzer Creek	East Branch Escanaba River	NE1/4 sec.4, T.46 N., R.27 W., Marquette County, 3 miles south of National Mine, Mich.		7-17-62	4.01
4-0581.86	do	do	NW1/4 sec.3, T.46 N., R.27 W., Marquette County, 3 miles south of National Mine, Mich.		7-17-62	4.92
4-0581.90	do	do	Center sec.2, T.46 N., R.27 W., Marquette County, 3 miles southwest of Palmer, Mich.		7-11-62 7-17-62	6.38 5.29
4-0582.10	do	do	SE1/4 sec.6, T.46 N., R.26 W., Marquette County, at bridge on County Highway 565, 2 miles south of Palmer, Mich.	25	10- 4-60	12.2
4-0582.40	Warner Creek	do	SE1/4 sec.30, T.47 N., R.26 W., Marquette County, at bridge on State Highway M-35, at Palmer, Mich.	6	8-31-70	2.49
4-0583.20	East Branch Escanaba River	Escanaba River	SE1/4 NW1/4 sec.14, T.46 N., R.26 W., Marquette County, 4 miles southeast of Palmer, Mich.		9-16-64	10.3
4-0583.25	Fifteen Creek	East Branch Escanaba River	SW1/4 sec.15, T.46 N., R.26 W., Marquette County, 1 1/4 miles upstream from mouth, 4 miles southeast of Palmer, Mich.		9-17-64	.90

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Michigan--continued						
4-0583.40	Partridge Creek	Goose Lake	SW1/4 sec.6, T.47 N., R.26 W., Marquette County, at Negaunee, Mich.		9- 2-48	1.80
					10-26-48	1.38
					10-26-48	1.62
					11- 9-48	2.33
					12-14-48	1.40
					4- 9-49	3.42
					4-29-49	2.17
					5-18-49	2.61
					5-18-49	3.12
					5-31-49	2.26
					6- 2-49	2.05
					6-15-49	1.83
					6-21-49	2.14
					7- 5-49	4.40
					7-11-49	1.93
4-0583.42	do	do	SW1/4 sec.5, T.47 N., R.26 W., Marquette County, at Negaunee, Mich.		9- 2-48	1.94
					10-26-48	1.03
					10-26-48	1.18
					10-26-48	1.56
					11- 9-48	2.13
					12- 6-48	2.68
					12-14-48	1.18
					4- 9-49	3.63
					4-29-49	2.67
					5-18-49	2.50
					5-18-49	3.46
					5-31-49	2.68
					5-31-49	2.37
					6- 2-49	2.84
					6-14-49	1.97
					6-15-49	2.15
					6-21-49	3.11
					6-23-49	4.89
					7- 5-49	5.19
					7-11-49	1.66
					8-10-49	4.16
					8-10-49	3.46
					8-16-49	2.36
					8-16-49	2.47
					8-24-49	1.99
					9-15-49	2.84
					9-23-49	3.25
					10-17-49	2.20
					11-16-49	2.82
					4-29-50	4.75
					5- 2-50	6.52
					5- 5-50	13.9
					5-16-50	5.66
					5-22-50	4.50
					5-23-50	4.20
					5-31-50	4.87
					6- 5-50	4.22
					6-13-50	4.23
					6-19-50	2.77
					6-21-50	2.98
					7-11-50	1.94
					7-14-50	2.07
					7-25-50	1.94
					7-27-50	2.00
					7-31-50	3.36
					8-21-50	2.05
					8-22-50	2.00
					8-29-50	1.75
					9- 6-50	2.03
					9-20-50	1.89
					10-13-50	1.69
					11- 6-50	1.44
					8-27-52	1.93
					9- 4-52	1.78
					9-15-52	1.56
					9-17-52	1.34
					9-23-52	2.01
					9-29-52	2.18
					10- 9-52	1.42
					10-10-52	1.52
					10-14-52	1.69
					10-29-52	2.25
4-0583.48	Partridge Creek	Goose Lake	SW1/4 sec.9, T.47 N., R.26 W., Marquette County, 2.5 miles southeast of Negaunee, Mich.		8-27-52	4.09
4-0583.50	Goose Lake Inlet	do	NW1/4 sec.15, T.47 N., R.26 W., Marquette County, 0.8 mile upstream from Goose Lake, 2 1/2 miles southeast of Negaunee, Mich.	9.57	8-26-52	5.46
					8-23-61	3.46
					9-10-61	3.15
					9-22-61	4.61
					2-12-62	4.98
					6-28-62	3.59
					7- 1-63	5.35

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Michigan--continued						
4-0583.60	Goose Lake Outlet	East Branch Escanaba River	NW1/4 sec.24, T.47 N., R.26 W., Marquette County, at outlet of Goose Lake, 4 1/2 miles east of Palmer, Mich.	14.6	8-26-52	9.71
					8-16-62	3.50
					7-26-63	5.51
					7-21-64	7.23
					11- 8-65	10.0
					12- 7-65	18.8
					1-11-66	16.7
					2- 8-66	10.8
					3-14-66	18.8
					5-24-66	23.3
					6- 7-66	40.8
					7- 5-66	9.74
					8- 9-66	6.13
					9- 7-66	5.19
					10-26-66	8.05
					11-18-66	9.00
					12-13-66	18.1
					2- 8-67	11.4
					3- 6-67	9.18
					4-29-67	33.7
					5-31-67	17.9
					6-19-67	23.4
					7-19-67	16.8
					8-15-67	7.74
					9-28-67	5.14
					10-24-67	9.17
					11-28-67	12.3
					12-18-67	9.87
					1- 9-68	8.12
					2-13-68	8.01
					5-21-68	23.8
					8- 1-68	13.6
					9- 5-68	17.1
					10- 8-68	16.5
					11-11-68	22.2
					12-17-68	26.5
					2- 6-69	16.0
					3-18-69	12.5
					5- 6-69	58.3
					6-19-69	20.3
					7-16-69	11.6
					8-15-69	7.02
					9- 8-69	4.96
10-22-69	12.0					
12- 1-69	12.2					
1-14-70	10.2					
2-24-70	9.14					
4-28-70	69.2					
6- 4-70	97.1					
7-10-70	16.2					
4-0583.65	do	do	NE1/4 NW1/4 sec.25, T.47 N., R.26 W., Marquette County, 4 miles east of Palmer, Mich.	20.5	8-16-62	2.58
					7-26-63	3.92
					7-21-64	6.11
4-0583.70	do	do	NW1/4 sec.36, T.47 N., R.26 W., Marquette County, at bridge 3 3/4 miles east of Palmer, Mich.	21.8	10- 3-60	17.4
					9-22-61	4.28
					8-22-62	1.81
					6-28-62	6.35
					8-16-62	2.19
					8-22-62	1.81
					10-15-62	4.24
					4-25-63	20.0
					7- 1-63	13.1
					7-16-63	4.35
					7-26-63	3.31
					10- 1-63	1.41
					2-12-64	.47
					5-25-64	20.3
					7-21-64	3.50
					1- 5-65	4.77
					4-0583.72	do
7-21-64	3.14					
4-0583.75	do	do	SW1/4 SW1/4 sec.36, T.47 N., R.26 W., Marquette County, below unnamed tributary, 4 1/4 miles southeast of Palmer, Mich.	31.0	8-17-61	6.94
					8-16-62	2.95
					7-26-63	4.45
					7-21-64	3.98
4-0583.80	do	do	NW1/4 SW1/4 sec.1, T.46 N., R.26 W., Marquette County, 4 1/2 miles southeast of Palmer, Mich.	32.8	8-16-62	3.49
					7-26-63	5.16
					7-21-64	4.74
4-0583.90	do	do	SE1/4 NW1/4 sec.12, T.46 N., R.26 W., Marquette County, 5 miles southwest of Sands, Mich.	36.0	8-16-62	5.35
					7-26-63	6.37
					7-21-64	5.81

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Michigan--continued						
4-0584.00	Goose Lake Outlet	East Branch Escanaba River	SE1/4 sec.12, T.46 N., R.26 W., Marquette County, 0.8 mile upstream from mouth, 3 miles west of Sands Station, Mich.	37.5	9-10-61	8.58
					9-22-61	9.37
					2-22-62	5.93
					6-28-62	12.1
					8-16-62	7.57
					8-22-62	6.78
					10-15-62	10.1
					3- 1-63	4.98
					4-25-63	30.2
					7- 1-63	17.8
					7-16-63	9.49
					7-26-63	8.93
					10- 1-63	5.75
					2-18-64	4.62
					5-18-64	31.6
4-0584.10	East Branch Escanaba River	Escanaba River	SW1/4 sec.18, T.46 N., R.25 W., Marquette County, 1/2 mile downstream from Goose Lake Outlet, 2 3/4 miles west of Sands Station, Mich.		9-16-64	21.7
4-0584.20	do	do	NW1/4 sec.20, T.46 N., R.25 W., Marquette County, 1 3/4 miles west of Sands Station, Mich.		9-16-64	20.5
4-0584.30	Uncle Tom Creek	East Branch Escanaba River	NE1/4 sec.17, T.46 N., R.25 W., Marquette County, 1.55 miles above mouth.		8-14-62	0
4-0584.40	do	do	NW1/4 NE1/4 sec.20, T.46 N., R.25 W., Marquette County, 1 mile west of Sands Station, Mich.	4.25	8-14-62	2.82
					9-16-64	2.57
4-0584.50	East Branch Escanaba River	Escanaba River	SE1/4 sec.20, T.46 N., R.25 W., Marquette County, 0.4 mile downstream from Uncle Tom Creek, 1 1/2 miles southwest of Sands Station, Mich.	96.6	8-17-61	27.6
					9-22-61	26.0
					2-22-62	25.3
					6-28-62	36.4
					8-22-62	18.8
					10-15-62	32.6
					2-14-63	16.8
					4-25-63	66.1
					7- 1-63	47.8
					7-16-63	20.3
					10- 1-63	18.7
					2-18-64	16.5
					5-18-64	80.6
					9-16-64	23.0
					1- 5-65	33.6
7-20-65	19.2					
4-0584.70	O'Neal Creek	East Branch Escanaba River	NW1/4 sec.33, T.46 N., R.25 W., Marquette County, at mouth, 2 1/2 miles southwest of Sands Station, Mich.	8.26	9-22-61	1.48
					8-22-62	1.00
					7-16-63	1.43
					9-16-64	2.35
4-0584.80	East Branch Escanaba River	Escanaba River	NW1/4 NW1/4 sec.33, T.46 N., R.25 W., Marquette County, below O'Neal Creek, 2 1/2 miles southwest of Sands Station, Mich.	109	9-16-64	29.8
4-0584.90	do	do	NW1/4 sec.10, T.45 N., R.25 W., Marquette County, 2 1/2 miles north of Gwinn, Mich.		9-16-64	35.6
4-0584.95	East Branch Escanaba River tributary	East Branch Escanaba River	NE1/4 SE1/4 sec.9, T.45 N., R.25 W., Marquette County, 3/4 mile upstream from mouth, 2 miles north of Gwinn, Mich.		9-16-64	.02
4-0585.05	Halfway Creek	do	SE1/4 sec.21, T.45 N., R.25 W., Marquette County, 150 ft above mouth, at Gwinn, Mich.	3.29	7-26-63	8.62
					7-21-64	8.08
4-0585.06	East Branch Escanaba River	Escanaba River	SE1/4 sec.21, T.45 N., R.25 W., Marquette County, at bridge on State Highway M-35, at Gwinn, Mich.	127	3-12-64	33.7
4-0586.00	Big West Branch Escanaba River	do	SW1/4 sec.5, T.43 N., R.25 W., Marquette County, 7 miles north of Arnold, Mich.	300	7-30-63	46.8
					9- 1-70	63.5

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Michigan--continued						
4-0587.00	Little Lake Outlet	Sawmill Creek	NE1/4 NE1/4 sec.30, T.45 N., R.24 W., Marquette County, at outlet of Little Lake, 1.0 mile southwest of Forsyth, Mich.	9.72	5-20-64 8-20-64 11-19-64 6-15-65 7-20-65 11-19-65 2-16-66 6- 1-66 9- 8-66 11-24-66 2-21-67 4-28-67 7-18-67 10- 3-67 2-12-68 8- 2-68 11- 6-68 12-18-68 7- 8-69 8-13-69 11- 5-69 4-30-70 9-21-70	4.49 .12 4.19 3.02 .71 .22 1.73 1.12 2.25 .56 2.85 3.35 4.53 .42 3.41 3.68 2.70 4.81 4.45 1.34 .99 5.62 2.05
4-0589.48	Squaw Creek	Escanaba River	NW1/4 sec.19, T.42 N., R.23 W., Delta County, below unnamed tributaries, 2.5 miles north of County Road 430.		12-13-67	3.68
4-0589.50	do	do	SE1/4 sec.6, T.41 N., R.23 W., Delta County, 500 ft upstream from mouth, 5.0 miles north of Cornell, Mich.	22	9-15-67 12-13-67	.16 6.61
4-0590.30	Escanaba River	Little Bay de Noc	NW1/4 sec.13, T.40 N., R.23 W., Delta County, near Gladstone, Mich.		9-20-50	597
4-0590.35	Willow Creek	Portage Creek	NW1/4 SE1/4 sec.25, T.39 N., R.23 W., Delta County at bridge on U.S. Highway 2, at Escanaba, Mich.	6	8-28-70	.26
4-0590.40	Portage Creek	Little Bay de Noc	NW1/4 SE1/4 sec.35, T.39 N., R.23 W., Delta County, at bridge on County Road C-31, at Escanaba, Mich.	15	8-28-70	.13
4-0590.42	do	do	SE1/4 SW1/4 sec.1, T.38 N., R.23 W., Delta County, at State Highway 35, 0.4 mile upstream from mouth at Escanaba, Mich.	30	9-25-68 9-25-68 9-26-68	30.6 29.5 26.6
4-0591.00	Ford River	do	SE1/4 SE1/4 sec.22, T.43 N., R.28 W., Dickinson County, at bridge on County Road 581, at Ralph, Mich.	130	11- 4-48 7-30-63 9- 1-70	28.5 12.0 12.8
4-0591.10	North Branch Ford River	Ford River	NE1/4 NE1/4 sec.35, T.43 N., R.27 W., Dickinson County, at Alfred, Mich.		7-30-63	6.56
4-0591.20	Ford River	Green Bay	NW1/4 SE1/4 sec.4, T.41 N., R.25 W., Menominee County, 3 miles southwest of Watson, Mich.	230	10- 2-68 5-26-69 7-22-69 8-25-70	158 255 76.0 26.0
4-0591.30	South Branch Ford River	Ford River	SW1/4 SW1/4 sec.20, T.41 N., R.26 W., Menominee County, 0.2 mile east of Helps, Mich.		5-26-69	16.1
4-0591.35	West Branch Ford River	do	NE1/4 NE1/4 sec.20, T.41 N., R.25 W., Menominee County, 1.2 miles upstream from mouth, 4 miles north of LaBranche, Mich.		10- 2-68 5-26-69 7-22-69	29.6 44.5 8.31
4-0591.40	Ford River	Green Bay	NW1/4 SE1/4 sec.19, T.41 N., R.24 W., Delta County, 3 miles west of Woodlawn, Mich.		10- 2-68 5-26-69 7-22-69	200 317 91.1
4-0591.50	do	do	SW1/4 NE1/4 sec.18, T.40 N., R.24 W., Delta County, 2 miles upstream from Twenty-four Mile Creek, 6 miles southwest of Cornell, Mich.		5-26-69 7-22-69	343 96.7
4-0591.60	Twenty-four Mile Creek	Ford River	NW1/4 NE1/4 sec.19, T.40 N., R.24 W., Delta County, 1 mile upstream from mouth, 4.5 miles northeast of Perronville, Mich.		5-26-69 7-22-69	7.75 3.59
4-0591.70	Ten Mile Creek	do	SE1/4 NE1/4 sec.4, T.40 N., R.26 W., Menominee County, at Faunus, Mich.	8	5-26-69 7-22-69 8-31-70	11.0 2.39 0
4-0591.80	do	do	NE1/4 SE1/4 sec.11, T.40 N., R.26 W., Menominee County, 0.3 mile south of LaBranche, Mich.		5-26-69 7-22-69	17.8 3.48
4-0591.90	do	do	NE1/4 NE1/4 sec.18, T.40 N., R.25 W., Menominee County, 1,000 ft upstream from mouth of unnamed tributary, 2.2 miles southeast of LaBranche, Mich.	23	5-26-69 7-22-69 8-31-70	22.2 4.70 .03

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Michigan--continued						
4-0592.00	Unnamed tributary	Ten Mile Creek	SW1/4 SW1/4 sec.34, T.41 N., R.25 W., Menominee County, 3.3 miles north of county highway 569, 2.5 miles northeast of LaBranche, Mich.		5-26-69 7-22-69	5.10 1.30
4-0592.10	do	do	SW1/4 SW1/4 sec.8, T.40 N., R.25 W., Menominee County, 1,500 ft upstream from mouth, 2 miles southeast of LaBranche, Mich.	6	5-26-69 7-22-69 8-31-70	8.28 1.58 .12
4-0592.50	Ten Mile Creek	Ford River	NE1/4 NE1/4 sec.21, T.40 N., R.25 W., Menominee County, 2 miles north of Whitney, Mich.		5-26-69 7-22-69	29.6 5.64
4-0594.00	do	do	NW1/4 NW1/4 sec.2, T.39 N., R.25 W., Menominee County, 1 mile northwest of Perronville, Mich.	30	5-26-69 7-22-69 8-22-70 8-25-70	32.4 7.51 .05 .09
4-0594.02	do	do	NW1/4 NW1/4 sec.16, T.39 N., R.24 W., Delta County, at bridge on County road 410, 1.6 miles northeast of Schaffer, Mich.	50	8-31-70	.05
4-0595.00	Ford River	Green Bay	Lat 45°45'20", long 87°12'05", in SW1/4 sec.19, T.39 N., R.23 W., Delta County, on right bank 40 ft downstream from county highway bridge, 1.4 miles downstream from Tenmile Creek, and 1.5 miles north of Hyde, Mich.	450	3-30-45 4-25-50	2,230 2,910
4-0595.95	Bark River	do	NW1/4 NW1/4 sec.21, T.38 N., R.24 W., Delta County, at bridge on county road, 2 miles south of Bark River, Mich.	25	8-27-70	.60
4-0596.80	Big Cedar River	do	SW1/4 SW1/4 sec.9, T.39 N., R.26 W., Menominee County, 6 miles north of Spaulding, Mich.	27	5-26-69 7-22-69 8-25-70 5-14-71	26.5 5.57 .14 24.7
4-0596.95	West Branch Big Cedar River	Big Cedar River	SW1/4 SE1/4 sec.17, T.39 N., R.26 W., Menominee County, 5 miles northeast of Hermansville, Mich.	25	5-26-69 7-22-69 8-25-70 5-14-71	21.3 2.42 .01 17.3
4-0597.00	Big Cedar River	Green Bay	SE1/4 SW1/4 sec.9, T.38 N., R.26 W., Menominee County, at bridge on U.S. Highway 2, 0.5 mile west of Spaulding, Mich.	100	8-25-59 9-13-67 8-26-69 8-21-70 8-21-70	516 1.16 1.80 .22 .25
4-0597.10	Forty-seven Mile Creek	Big Cedar	SW1/4 SW1/4 sec.4, T.39 N., R.25 W., Menominee County, 2.8 miles west of Perronville, Mich.	18	5-26-69 7-22-69 8-25-70 5-14-71	14.0 3.58 .19 15.6
4-0597.50	Big Cedar River	Green Bay	On line between secs.9 and 16, T.36 N., R.25 W., Menominee County, 8 miles north of Cedar River, Mich.	300	8- 9-63 8-27-70	4.58 5.39
4-0597.60	Walton River	Cedar River	NE1/4 sec.18, T.35 N., R.25 W., Menominee County, 500 ft below dam, 4.2 miles west of Cedar River, Mich.	60	8-27-70	11.7
4-0599.06	Brule River	Menominee River	SW1/4 sec.35, T.42 N., R.35 W., Iron County, at State Highway 189, 5.2 miles south of Caspian, Mich.		7-26-67	133
4-0599.60	Iron River	Brule River	NE1/4 sec.18, T.43 N., R.35 W., Iron County, at bridge on county road, 3 miles southeast of Beechwood, Mich.	24.9	9- 1-70	20.1
4-0599.63	do	do	SE1/4 NE1/4 sec.17, T.43 N., R.35 W., Iron County, at county bridge near Iron River, Mich.		10-17-45 11-30-45 3- 2-46 4-29-46 9-19-46 11-21-46 6-10-47 11- 3-48	28.1 34.3 28.8 31.2 24.1 29.6 38.7 22.4
4-0599.64	do	do	SE1/4 NW1/4 sec.16, T.43 N., R.35 W., Iron County, near Iron River, Mich.		11-30-45 3- 2-46 4-29-46 9-19-46 11-21-46 6-10-47 11- 3-48	35.2 29.5 32.0 24.3 30.1 39.9 24.5
4-0599.66	Iron Lake Creek	Iron River	W1/2 sec.15, T.43 N., R.35 W., Iron County, 100 ft above mouth, near Iron River, Mich.		6-10-47	1.54

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Michigan--continued						
4-0599.67	Iron River	Brule River	NW1/4 sec.22, T.43 N., R.35 W., Iron County, at railroad bridge near Iron River, Mich.		10-18-45	31.8
					11-30-45	37.4
					3- 2-46	32.5
					4-29-46	33.9
					9-19-46	26.8
					11-21-46	33.8
					6-10-47	43.4
					11- 3-48	24.5
4-0599.75	Sunset Creek	Iron River	NE1/4 NW1/4 sec.27, T.43 N., R.35 W., Iron County, at railroad bridge near Iron River, Mich.	19.3	11-30-45	14.7
					3- 2-46	13.1
					4-29-46	16.6
					9-19-46	11.8
					11-21-46	13.2
					6-10-47	16.7
11- 3-48	8.87					
4-0599.80	Stanley Creek	do	NW1/4 NE1/4 sec.33, T.43 N., R.35 W., Iron County at State Highway 73, 1 1/2 miles downstream from Stanley Lake and 2.2 miles west of Iron River, Mich.	3.28	6- 1-64	1.89
					8- 5-64	1.62
					10- 1-64	1.05
					7-22-65	1.21
					11- 3-65	1.47
					7-12-66	1.05
					9- 2-66	2.47
					11- 1-66	1.08
					1-13-67	1.75
					6- 5-67	2.05
					8- 1-67	1.95
					10- 3-67	1.20
					1- 5-68	1.05
					4-13-68	3.73
					7-15-68	4.19
					10-21-68	1.69
					12-30-68	2.69
4-0599.82	do	do	W1/2 sec.27, T.43 N., R.35 W., Iron County, at U.S. Highway 2, near Iron River, Mich.		5 12-69	4.51
					7-10-69	3.41
					11-26-69	2.61
					5-27-70	3.38
					10-17-45	1.68
					11-30-45	2.66
					3- 2-46	2.23
					4-29-46	1.70
4-0599.85	Iron River	Brule River	SE1/4 sec.27, T.43 N., R.35 W., Iron County, at county bridge near Iron River, Mich.		9-19-46	1.16
					11-21-46	2.14
					6-10-47	2.72
					11- 3-48	.60
					10-17-45	53.3
					11-30-45	62.1
					3- 2-46	48.8
					4-29-46	56.5
4-0599.87	do	do	At 7th St. Bridge, Iron County, Iron River, Mich.		9-19-46	41.7
					11-21-46	49.1
					6-10-47	66.2
					11- 3-48	36.5
					11-30-45	59.5
					3- 2-46	48.7
					4-29-46	57.6
4-0599.90	do	do	SW1/4 sec.25, T.43 N., R.35 W., Iron County, U.S. Highway 2 bridge, Iron River, Mich.		9-19-46	42.9
					11-21-46	50.2
					6-10-47	70.3
					11- 3-48	36.5
					10-17-45	54.3
					11-30-45	66.5
					3- 2-46	52.6
					4-29-46	58.6
4-0600.00	Iron River	Brule River	NW1/4 NW1/4 sec.1, T.42 N., R.35 W., Iron County, above Caspian, Mich.		9-19-46	47.8
					11-21-46	59.2
					6-10-47	66.8
					11- 3-48	43.5
					9-18-46	53.6
4-0601.00	Holmes Creek	Iron River	NW1/4 sec.1, T.42 N., R.35 W., Iron County, at mouth, at Caspian, Mich.		11-26-46	58.0
					6-11-47	76.9
					11- 3-48	42.8
					9-18-46	.47
					11-26-46	.57
4-0604.00	Iron River	Brule River	SW1/4 NE1/4 sec.1, T.42 N., R.35 W., Iron County, at bridge at East Caspian Ave., Caspian, Mich.		6-11-47	.92
					11- 3-48	.33
					9-18-46	58.1
					11-26-46	58.1
4-0604.90	Unnamed tributary	Iron River	SW1/4 NE1/4 sec.1, T.42 N., R.35 W., Iron County, at mouth, Caspian, Mich.		6-11-47	80.6
					11- 3-48	45.8
					9-18-46	1.45
					11-26-46	3.16
					6-11-47	2.57

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Michigan--continued						
4-0605.00	Iron River	Brule River	SE1/4 SE1/4 sec.1, T.42 N., R.35 W., Iron County, Caspian, Mich.	92.1	9-18-46 11-26-46 6-11-47	57.5 62.3 89.6
4-0605.10	do	do	Near E1/4 corner sec.13, T.42 N., R.35 W., Iron County, below Caspian, Mich.		9-18-46 11-26-46 6-11-47 11- 3-48	60.6 69.3 94.9 59.0
4-0605.20	do	do	Above mouth, sec.29, T.42 N., R.34 W., Iron County, below Caspian, Mich.		9-18-46 11-26-46 6-11-47 11- 3-48	66.4 71.0 98.1 56.0
4-0605.90	Alpha Creek	Mastodon Creek	NW1/4 sec.12, T.42 N., R.33 W., Iron County, at highway bridge near Alpha, Mich.		9- 6-50	.024
4-0605.92	do	do	NW1/4 sec.12, T.42 N., R.33 W., Iron County, 500 ft below highway bridge near Alpha, Mich.		9- 6-50	.035
4-0605.93	Spring	Alpha Creek	Small spring-fed inlet in NW1/4 sec.12, T.42 N., R.33 W., Iron County, 1,000 ft below highway bridge near Alpha, Mich.		9- 6-50	.008
4-0605.94	Alpha Creek	Mastodon Creek	NW1/4 sec.12, T.42 N., R.33 W., Iron County, 1,000 ft below highway bridge near Alpha, Mich.		9- 6-50	.043
4-0605.96	do	do	NE1/4 sec.12, T.42 N., R.33 W., Iron County, 1,700 ft below highway bridge near Alpha, Mich.		9- 6-50	.036
4-0605.97	do	do	NE1/4 sec.12, T.42 N., R.33 W., Iron County, 2,000 ft below highway bridge near Alpha, Mich.		9- 6-50	0
4-0606.00	Mastodon Creek	Buck Lake	SE1/4 sec.14, T.42 N., R.33 W., Iron County, below mouth of Alpha Creek, 1 mile southwest of Alpha, Mich.	7	8-18-70	1.56
4-0611.00	Paint Creek	Brule River	NW1/4 sec.9, T.44 N., R.35 W., Iron County, at Gibbs City, Mich.	204	7-30-63 9- 1-70	90.9 108
4-0612.00	North Branch Net River	Net River	NW1/4 sec.13, T.46 N., R.34 W., Iron County, 11 miles north of Amasa, Mich.	56	7-30-63 8-31-70	2.24 1.51
4-0612.50	East Branch Net River	do	NW1/4 sec.19, T.46 N., R.33 W., Iron County, 10 miles north of Amasa, Mich.	43	7-30-63 8-31-70	6.13 7.74
4-0613.00	Hemlock River	Paint River	NW1/4 sec.17, T.44 N., R.33 W., Iron County, 1 mile southwest of Amasa, Mich.	53	7-30-63 9- 1-70	8.63 10.4
4-0614.00	Chicagon Creek	do	Chicagon Lake Outlet, in SW1/4 sec.24, T.43 N., R.34 W., Iron County, at U.S. Highway 2, 6 1/2 miles east of Iron River, Mich.	17.4	7-19-45 11- 5-45 1-17-46 4-30-46 9-11-46 1- 2-47 6- 9-47 8- 5-47 1- 8-48 5- 4-48 7- 7-48 10- 7-48 2- 4-49 5- 3-49 8- 3-49 11- 3-49 2- 7-50 5-16-50 8- 7-50 11- 2-50 1- 3-51 6- 8-51 8- 7-51 10- 2-51 1- 7-52 5- 6-52 8- 5-52 10- 2-52 1- 6-53 6- 3-53 9- 1-53 1- 6-54 6-29-54 10- 5-54 1- 4-55 4-25-55 7-31-55 10- 3-55 1- 5-56 5- 3-56 7- 5-56 10- 1-56	12.1 9.75 10.7 5.80 5.65 9.44 10.3 3.28 5.81 15.8 1.35 0 4.61 14.1 0 .63 6.23 31.8 8.74 0 5.46 26.7 12.1 8.41 9.31 9.33 29.0 .79 9.21 26.6 9.43 12.0 25.6 .10 10.9 20.1 .92 .50 8.57 19.0 17.5 5.25

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Michigan--continued						
4-0614.00	Chicagon Creek	Paint River	continued		1- 2-57	9.36
					4- 8-57	11.6
					7- 1-57	8.28
					10- 3-57	1.18
					1- 6-58	5.95
					4- 3-58	9.54
					7- 8-58	25.9
					10- 6-58	.82
					1- 5-59	2.62
					4- 1-59	6.81
4-0614.50	Paint River	Brule River	NW1/4 sec.7, T.43 N., R.32 W., Iron County, at U.S. Highway 141, 3 miles north of Crystal Falls, Mich.		7-26-67	557
4-0614.70	Briar Hill Creek	Paint River	Fortune Lake Outlet, in SW1/4 sec.24, T.43 N., R.33 W., Iron County, at New Bristol Location, near Crystal Falls, Mich.	11.8	3-30-45	20.6
					7-19-45	14.5
					11- 6-45	14.7
					1-17-46	14.1
					4-30-46	5.67
					9-11-46	20.6
					2-20-47	9.58
					6-10-47	11.6
					8- 5-47	5.30
					1- 8-48	11.7
					5- 4-48	20.5
					7- 6-48	8.10
					10- 6-48	6.11
					3- 3-49	9.17
					5- 3-49	6.43
					8- 3-49	.58
					11- 3-49	11.8
					2- 7-50	10.0
					5-15-50	27.8
					8- 7-50	13.0
					11- 2-50	11.5
					1- 3-51	12.3
					6- 8-51	20.2
					8- 7-51	20.1
					11- 1-51	16.7
					1- 7-52	14.7
					5- 6-52	16.8
					8- 5-52	26.1
					10- 2-52	3.64
					1- 6-53	12.4
					6- 2-53	16.5
					9- 1-53	19.7
					1- 6-54	16.0
					6-29-54	26.8
					10- 5-54	14.1
					1- 4-55	13.0
					4-25-55	22.5
					7-13-55	14.2
					10- 3-55	1.07
					1- 5-56	11.2
					5- 3-56	13.9
					7- 5-56	18.0
					10- 1-56	12.8
					1- 2-57	10.2
					4- 8-57	14.2
					7- 1-57	8.64
					10- 3-57	3.82
					1- 6-58	9.29
					4- 3-58	2.06
					7- 8-58	16.2
					10- 6-58	14.0
					12- 2-58	10.9
					4- 1-59	9.75
					6-30-59	8.26
4-0619.00	Paint River	Brule River	SW1/4 sec.24, T.42 N., R.32 W., Iron County, below Paint River diversion dam, near Crystal Falls, Mich.		5-13-52	20.4
					5-13-52	7.22
					5-15-52	99.3
					5-15-52	101
					5-16-52	11.2
					11- 3-52	90.4
4-0620.03	do	do	NW1/4 sec.36, T.42 N., R.32 W., Iron County, near Crystal Falls, Mich.		10-29-50	209
4-0620.05	do	do	SW1/4 sec.36, T.42 N., R.32 W., Iron County, near Crystal Falls, Mich.		10-29-50	85.0
4-0620.95	Dishno Creek	Peshekee River	NW1/4 sec.6, T.48 N., R.29 W., Marquette County, at bridge 1.2 miles upstream from mouth, 5 miles north of Champion, Mich.	18.8	5- 6-63	31.5
					7- 1-63	5.48
					7-16-63	2.56
					10- 2-63	1.62
					3-11-64	5.64
					5-21-64	22.6
					8-13-64	7.19
					10-29-64	25.1
					1- 7-65	10.2
					7-21-65	1.31
					11- 4-65	21.3

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Michigan--continued						
4-0623.20	Trout Falls Creek	Michigamme River	continued		3-10-64 5-18-64 8-13-64 1-21-65 7-21-65	4.66 18.0 7.26 6.17 2.18
4-0624.70	Fence River	do	SW1/4 sec.23, T.45 N., R.31 W., Iron County, 6.5 miles southwest of Witch Lake, Mich.	148	7-30-63 9- 1-70	50.9 55.8
4-0624.80	Deer River	do	SW1/4 sec.16, T.44 N., R.32 W., Iron County, at bridge on county road, 3 miles east of Balsam, Mich.	58.2	9- 1-70	21.7
4-0630.00	Menominee River	Green Bay	SW1/4 sec.15, T.41 N., R.31 W., Iron County, Michigan, near Florence, Wis.		10- 3-49	67.2
4-0652.00	White Creek	Menominee River	Sec.21, T.39 N., R.29 W., Dickinson County, 2 miles southeast of Norway, Mich.		7-25-67	5.80
4-0653.00	West Branch Sturgeon River	Sturgeon River	NE1/4 sec.30, T.42 N., R.29 W., Dickinson County, 4 miles northeast of Randville, Mich.	57.3	11- 4-48 9-19-50 10-15-56 10-23-57 11-12-57	20.2 24.9 36.3 32.1 29.1
4-0653.02	do	do	NW1/4 sec.35, T.42 N., R.29 W., Dickinson County, at State Highway 69, near Felch, Mich.		11- 4-48 9-19-50	19.5 27.6
4-0653.10	do	do	Sec.27, T.41 N., R.28 W., Dickinson County, near Foster City, Mich.		10-23-57	49.7
4-0653.90	East Branch Sturgeon River	do	NE1/4 sec.20, T.42 N., R.28 W., Dickinson County, at bridge on County Road 581, 2 miles north of Felch, Mich.	47.1	4-16-44 4-21-44 3-20-45 11- 4-48 7-13-70 8- 7-70 8-25-70	43.0 36.3 279 12.9 4.14 3.15 2.13
4-0653.95	do	do	S1/2 sec.28, T.42 N., R.27 W., Dickinson County, at bridge on county road, 2.5 miles north of Hardwood, Mich.	80	7-13-70 8- 7-70 8-25-70	6.03 5.56 3.48
4-0654.00	do	do	SW1/4NW1/4 sec.7, T.41 N., R.27 W., Dickinson County, at bridge on County Road 569, at Foster City, Mich.	106	7-22-69 7-13-70 8- 7-70 8-25-70	32.2 9.87 17.4 6.29
4-0654.05	do	do	S1/2 sec.24, T.41 N., R.28 W., Dickinson County, 2 1/2 miles south of Foster City, Mich.		7-30-63	11.5
4-0655.45	Sturgeon River	Menominee River	NW1/4SE1/4 sec.26, T.40 N., R.28 W., Dickinson County, 4.3 miles north of Waucedah, Mich.	271	5-26-69 7-22-69	248 105
4-0655.66	Unnamed tributary	Pine Creek	SE1/4 sec.6, T.41 N., R.29 W., Dickinson County, near Randville, Mich.		11- 4-48 1-10-57	.32 .44
4-0655.67	Pine Creek	Sturgeon River	SE1/4 sec.7, T.41 N., R.29 W., Dickinson County, 4 miles southeast of Randville, Mich.		1-10-57	1.36
4-0656.00	do	do	Lat 45°55'51", long 87°48'18", in SE1/4SE1/4 sec.19, T.41 N., R.29 W., Dickinson County, at bridge on county road, 1.2 miles downstream from Steel Creek and 9.0 miles northeast of Iron Mountain, Mich.	15.0	9-20-50	3.58
4-0656.50	Sturgeon River	Menominee River	NW1/4 sec.13, T.39 N., R.28 W., Dickinson County, at U.S. Highway 2, at Loretto, Mich.		7-25-67	73.6
4-0657.00	Hamilton Creek	Sturgeon River	NW1/4 sec.30, T.39 N., R.28 W., Dickinson County, at outlet of Lake Mary, 2.0 miles south of Loretto, Mich.	15	5-11-64 8- 5-64 10- 1-64 3-22-65 7-22-65 11- 4-65 7-12-66 9-12-66 11-16-66 1-13-67 5-18-67 8- 1-67 10- 3-67 1- 5-68 7-15-68 10-21-68 12-30-68 5-12-69 7-10-69 10-30-69 3-27-70 5-28-70 8-27-70	23.9 17.5 14.3 3.93 2.40 4.11 2.88 2.12 4.04 4.34 15.2 1.97 3.62 3.17 13.6 7.95 9.53 17.9 10.8 7.49 8.87 15.8 1.16

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Michigan--continued						
4-0670.50	Little Cedar River	Menominee River	NW1/4NW1/4 sec.11, T.38 N., R.27 W., Menominee County, at bridge on Chicago and Northwestern Railway spur line, at Hermansville, Mich.	12	8-28-70	.84
4-0671.00	do	do	NW1/4 sec.23, T.35 N., R.27 W., Menominee County, at bridge on village street, at Stephenson, Mich.	180	11-24-58 6-29-59 8- 9-63 9-13-67 8-28-69 8-21-70	90.2 17.4 3.31 6.98 4.03 4.78
4-0671.10	do	do	SW1/4 sec.34, T.35 N., R.27 W., Menominee County, at Ingalls, Mich.		7-25-67	12.3
4-0676.00	Little River	do	SW1/4 sec.20, T.32 N., R.27 W., Menominee County, 3.3 miles northwest of Menominee, Mich.	60	7-25-67 8-27-70	14.1 0
4-0955.00	Galien River	Lake Michigan	SW1/4 sec.17, T.7 S., R.19 W., at Kaiser Rd., 1.2 miles south of New Troy, Mich.		10-17-63	14.0
4-0960.10	do	do	SE1/4 sec.7, T.7 S., R.19 W., at Avery Rd., 0.3 mile west of New Troy, Mich.		10-17-63	18.5
4-0960.13	Kirktown Creek	Galien River	Lat 41°53'10", long 86°30'50", in SW1/4 sec.6, T.7 S., R.19 W., Berrien County, at Sawyer Road, 1.5 miles east of Sawyer, Mich.		10-23-69 11-21-69 12-15-69 1- 8-70 1-30-70 3- 5-70 3-19-70 4-10-70 5-12-70 6-11-70 7-23-70 8-19-70 9-30-70	.36 2.01 .46 .23 9.62 3.62 .86 1.61 1.48 .31 .08 .06 .31
4-0960.15	Galien River	Lake Michigan	Lat 41°52'25", long 86°34'30", in SE1/4 sec.12, T.7 S., R.20 W., Berrien County, at Minnich Road, 1.3 miles southeast of Sawyer, Mich.		10-23-69 11-21-69 12-15-69 1- 8-70 3- 5-70 3-19-70 4-10-70 5-12-70 6-11-70 7-23-70 8-19-70 9-30-70	43.6 98.2 50.9 43.8 277 64.6 279 61.8 43.2 83.8 33.5 44.4
4-0961.35	Unnamed tributary	do	Lat 41°52'45", long 86°37'57", in NE1/4 sec.9, T.7 S., R.20 W., Berrien County, at Birchwood, Mich.		10-22-69 11-20-69 12-15-69 1- 8-70 1-30-70 3- 5-70 3-19-70 4-10-70 5-12-70 6-11-70 7-22-70 8-19-70 9-30-70	.95 2.69 1.23 .79 6.33 4.24 1.69 3.52 3.69 .75 .45 .44 .90
4-0961.50	do	do	Lat 41°52'40", long 86°36'55", in SE1/4 sec.3, T.6 S., R.20 W., Berrien County, in Shorewood Hills Subdivision, 1.0 miles west of Sawyer, Mich.	.9	4- 7-69 5-26-69 6-20-69 6-30-69 10-22-69 11-20-69 4- 9-70 5-12-70 6-11-70 7-22-70 8-19-70 9-30-70	1.99 .78 .40 .54 .62 3.03 2.10 1.79 .36 .10 .17 .36
4-0961.60	Painterville Drain	do	Lat 41°55'15", long 86°34'40", in NW1/4 sec.36, T.6 S., R.20 W., Berrien County, 300 ft south of Hildebrandt Road, 2.5 miles north of Sawyer, Mich.	3.0	5-26-69 6-20-69 6-30-69 10-22-69 11-20-69 4- 9-70 5-12-70 6-11-70 7-22-70 8-19-70 9-30-70	.18 .15 .16 .40 1.93 1.33 .91 .17 .14 .30 .33

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Michigan--continued						
4-0961.70	Painterville Drain	Lake Michigan	Lat 41°54'45", long 86°35'05", in NW1/4 sec.36, T.6 S., R.20 W., Berrien County, at Hildebrandt Road, 2 miles north of Sawyer, Mich.		10-23-69 11-20-69 12-15-69 1- 8-70 1-30-70 3- 5-70 3-19-70 4- 9-70 5-12-70 6-11-70 7-22-70 8-20-70 9-30-70	.49 2.22 .68 .24 6.53 3.34 .88 2.77 1.51 .37 .17 .39 .42
4-0961.80	Unnamed tributary	do	Lat 41°54'05", long 86°36'35", in SW1/4 sec.35, T.6 S., R.20 W., Berrien County, 450 ft upstream from mouth, 1.3 miles northwest of Sawyer, Mich.	5.0	4- 7-69 5-26-69 6-20-69 6-30-69 10-22-69 11-20-69 3- 5-70 4- 9-70 5-12-70 6-11-70 7-22-70 8-19-70	6.56 1.85 1.03 1.48 1.40 6.00 7.39 7.06 2.54 .66 .29 .74
4-0961.90	do	do	Lat 41°56'45", long 86°33'35", in SE1/4 SW1/4 sec.18, T.6 S., R.19 W., Berrien County, 0.1 mile north of Shawnee Road on old U.S. 31, in Bridgman, Mich.		10-22-69 11-21-69 12-15-69 1-30-70 3- 5-70 3-19-70 4-10-70 5-12-70 6-11-70 7-22-70 8-19-70 9-30-70	.28 .84 .40 1.11 .97 .48 .92 .90 .20 .14 .90 .24
4-0962.26	St. Joseph River	do	Lat 41°56'10", long 84°38'50", in sec.22, T.6 S., R.3 W., Hillsdale County, 300 ft upstream from the waste water treatment plant in Hillsdale, Mich.		4-20-70 4-22-70 4-24-70	23.3 24.5 23.2
4-0962.73	do	do	SE1/4 sec.9, T.6 S., R.3 W., at Moore Road, 2 miles south of Jonesville, Mich.		7-17-67	15.0
4-0963.00	Sand Creek	St. Joseph River	Sec.11, T.6 S., R.4 W., at State Highway 12, 1.5 miles east of Allen, Mich.		10-17-63	2.67
4-0963.40	St. Joseph River	Lake Michigan	SE1/4 sec.10, T.4 S., R.5 W., at bridge on 22 Mile Road, 3 miles west of Homer, Mich.		7- 9-63	19.3
4-0963.98	Wilders Lake outlet	St. Joseph River	Lat 42°05'12", long 85°01'00", near line between SW1/4 sec.28 and NW1/4 sec.33, T.4 S., R.6 W., Calhoun County, 1,000 ft above confluence with St. Joseph River, 3.5 miles east of Burlington, Mich.		5-29-70	1.71
4-0964.10	Burnett Creek	do	SW1/4 sec.2, T.5 S., R.7 W., at Haynes Road, 2.2 miles east of Union City, Mich.	7.53	7-29-64 10-26-64	.02 0
4-0964.15	Fisher Creek	Coldwater River	E1/2 sec.26, T.7 S., R.5 W., at Grove Road, 1.5 miles southwest of Towns, Mich.	4.77	7-28-64 10-26-64	.71 .57
4-0964.20	do	do	SE1/4 sec.4, T.7 S., R.5 W., at Fisher Road, 4.2 miles south of Quincy, Mich.	16.8	2- 6-64 4-15-64 6- 2-64 7-13-64 7-29-64 9-14-64 10-26-64 2-18-65 4-26-65 7-28-65 10-28-65	1.44 5.19 2.56 1.78 1.17 .92 1.53 10.6 29.1 1.78 4.96
4-0964.24	Tallahassee Drain	do	E1/2 sec.4, T.8 S., R.5 W., at Ray-Quincy Road, 0.5 mile north of California, Mich.	6.47	7-28-64 10-27-64	.22 .18
4-0964.27	do	do	SW1/4 sec.32, T.7 S., R.5 W., at Brown Road, 2.0 miles northwest of California, Mich.	13.4	7-28-64 10-27-64	.74 .81
4-0964.30	do	do	NE1/4 sec.24, T.7 S., R.6 W., at Tallahassee Road, 1.5 miles northwest of Lester, Mich.	22.7	7-28-64 10-27-64	1.70 1.68

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Michigan--continued						
4-0964.40	Coldwater River	St. Joseph River	NE1/4 sec.28, T.7 S., R.6 W., at Lake Drive Road, 3.0 miles north of Kinderhook, Mich.	82.8	8-22-44 2- 6-64 4-15-64 6- 3-64 7-28-64 9-14-64 10-27-64 2-18-65 4-26-65 7-28-65 10-28-65	3.18 8.84 3.60 .02 .32 .06 .10 37.5 75.6 .42 1.31
4-0964.45	do	do	On line between secs.6 and 7, T.7 S., R.6 W., near Coldwater, Mich.		4-25-51	362
4-0964.50	do	do	SW1/4 sec.9, T.7 S., R.6 W., at Fillmore Road, 1.8 miles southeast of Lockwood, Mich.	88.8	7-28-64 10-27-64	.28 .29
4-0964.52	Rose Lake outlet	Coldwater River	SW1/4 sec.18, T.7 S., R.6 W., near Coldwater, Mich.		4-10-46 5-15-46 1-24-47 4-16-47 5- 5-47 9-19-47 11-17-47 1- 6-48 5- 4-48 10-14-48 11-23-48 3-18-49 4-25-51 4-26-51 4-28-51 6-16-51	6.64 2.24 3.58 36.4 38.5 1.76 1.43 8.62 16.6 1.43 9.28 13.5 90.8 94.7 65.1 0
4-0964.55	Mud Lake outlet	do	NW1/4 sec.17, T.7 S., R.6 W., at Central Road, 1.2 miles southeast of Lockwood, Mich.	15.1	7-13-64 7-28-64 10-26-64	1.84 0 .005
4-0964.60	Coldwater River	St. Joseph River	NE1/4 sec.30, T.6 S., R.6 W., at Garfield Road, 2.6 miles southwest of Coldwater, Mich.	114	2- 6-64 4-16-64 6- 2-64 7-13-64 7-29-64 9-14-64 10-26-64 2-18-65 4-26-65 7-27-65 10-28-65	13.2 21.1 4.62 5.18 1.96 .65 .78 71.8 164 2.79 26.6
4-0964.80	East Branch Coldwater River	Coldwater River	NW1/4 sec.29, T.6 S., R.5 W., at Ridge Road, 2.0 miles southwest of Quincy, Mich.		4-15-64 6- 2-64 7-13-64 7-29-64 9-14-64 10-26-64 2-18-65 4-26-65 7-27-65 10-28-65	14.2 .61 1.90 1.09 .38 .25 52.6 88.7 8.10 8.94
4-0964.95	Sauk River	do	NW1/4 sec.26, T.6 S., R.6 W., at Michigan Road, in Coldwater, Mich.		3-16-66	53.3
4-0964.97	do	do	SW1/4 sec.22, T.6 S., R.6 W., at Jefferson Street in Coldwater, Mich.		3-16-66	54.8
4-0965.00	do	do	NW1/4 sec.21, T.6 S., R.6 W., at Jay Street in Coldwater, Mich.		4-16-64 6- 3-64 7-13-64 7-29-64 9-14-64 10-26-64 2-18-65 4-26-65 7-27-65 10-28-65	12.3 3.03 1.35 .50 .33 .28 65.4 127 7.09 10.5
4-0965.10	Cold Creek	do	W1/2 sec.2, T.6 S., R.6 W., at Michigan Road, 3.0 miles north of Coldwater, Mich.	14.4	7-13-64 7-29-64 10-26-64 3-16-65 4-26-65	.24 .08 .007 12.6 25.6
4-0965.15	Hog Creek	do	SE1/4 sec.13, T.6 S., R.5 W., at U.S. Highway 12, 3.0 miles east of Quincy, Mich.	48.7	7-13-64 7-29-64 10-27-64	2.38 1.13 2.38
4-0965.16	do	do	Lat 41°57'31", long 84°49'53", in SE1/4 sec.12, T.6 S., R.5 W., Branch County, just downstream from New York Central railroad bridge, 2.8 miles northeast of Quincy, Mich.		10-14-69	27.1

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Michigan--continued						
4-0965.162	Hog Creek tributary No. 2	Hog Creek	NE1/4 NE1/4 sec.7, T.6 S., R.4 W., Hillsdale County, at Van Wert Road, 2.4 miles northwest of Allen, Mich.	.58	5- 2-69	.83
4-0965.165	do	do	Lat 41°57'28", long 84°49'33", in SE1/4 NE1/4 sec.12, T.6 S., R.5 W., Branch County, at Squires Road, 3.0 miles northwest of Allen, Mich.	1.21	5- 2-69 3-16-70	1.77 .24
4-0965.17	Hog Creek tributary	Hog Creek	Lat 41°57'33", long 84°49'33", in SW1/4 SW1/4 sec.7, T.6 S., R.4 W., Hillsdale County, at Squires Road, 0.3 mile upstream from mouth, 3.0 miles west of Allen, Mich.	2.61	5- 2-69 1-14-70 1-20-70 3-16-70 4- 6-70 5- 5-70 6- 1-70 7- 9-70 8- 3-70 9- 8-70	3.31 0 0 .47 4.08 1.59 1.12 .32 .94 0
4-0965.20	Hog Creek	Coldwater River	SW1/4 sec.12, T.6 S., R.5 W., at Boone Road, 2.5 miles northeast of Quincy, Mich.	54.6	7-13-64 7-29-64 10-27-64	2.93 1.27 2.19
4-0965.25	do	do	E1/2 sec.34, T.5 S., R.5 W., at Claendon Road, 3.5 miles north of Quincy, Mich.	65.1	7-13-64 7-29-64 10-27-64	4.37 .80 2.44
4-0965.28	Bagley Drain	Hog Creek	South line sec.4, T.6 S., R.5 W., at Newton Road, 1 1/2 miles north of Quincy, Mich.		5-10-66	2.6
4-0965.30	Hog Creek	Coldwater River	NE1/4 sec.33, T.5 S., R.5 W., at Bidwell Road, 4.0 miles north of Quincy, Mich.	74.7	2- 6-64 4-15-64 6- 2-64 7-29-64 9-14-64 10-26-64 2-18-65 4-26-65 7-27-65 10-28-65 5-10-66	7.79 39.6 9.34 .83 .74 2.75 66.7 125 14.3 35.6 60.1
4-0965.40	do	do	NE1/4 sec.23, T.5 S., R.6 W., at Girard Road, 1.5 miles east of Girard, Mich.	87.2	7-13-64 7-28-64 10-26-64 5-10-66	3.61 0 1.56 68.2
4-0965.70	do	do	SW1/4 sec.15, T.5 S., R.6 W., at U.S. Highway 27, 0.3 mile north of Girard, Mich.	89.8	7-11-63 2- 6-64 4-15-64 6- 2-64 7-28-64 9-14-64 10-26-64 2-18-65 4-26-65 7-27-65 10-28-65 5-10-66	1.27 4.86 44.3 9.23 .08 0 0 90.0 145 13.5 40.0 68.2
4-0965.75	North Branch Hog Creek	Hog Creek	S1/2 sec.13, T.5 S., R.6 W., at Lyman Road, 2.5 miles east of Girard, Mich.	6.34	7-13-64 7-28-64 10-26-64	1.10 .72 .29
4-0965.80	Hog Creek	Coldwater River	NE1/4 sec.17, T.5 S., R.6 W., at Bell Road, 1.6 miles northwest of Girard, Mich.	106	7-28-64 10-27-64	2.16 2.04
4-0965.85	do	do	SE1/4 sec.18, T.5 S., R.6 W., at River Road, 1.8 miles northeast of Hodunk, Mich.	108	7-28-64 10-27-64	1.90 2.18
4-0965.90	do	do	NW1/4 sec.19, T.5 S., R.6 W., at Cady Road, 0.7 mile northeast of Hodunk, Mich.	110	7-28-64 10-27-64 4-26-65	3.47 3.13 163
4-0966.20	Coldwater River tributary	do	NE1/4 sec.21, T.5 S., R.7 W., at Girard Road, 3.0 miles south of Union City, Mich.	1.90	7-28-64 10-26-64	.02 .006
4-0966.30	do	do	SW1/4 sec.10, T.5 S., R.7 W., at Gower Road, 2 miles southeast of Union City, Mich.		7-17-67	73.4
4-0966.35	St. Joseph River	Lake Michigan	SE1/4 sec.4, T.5 S., R.7 W., at South Road, in Union City, Mich.		7-17-67	160
4-0966.40	St. Joseph River tributary	St. Joseph River	NE1/4 sec.14, T.5 S., R.8 W., at Thrums Road, 3.6 miles southwest of Union City, Mich.	9.69	7-28-64 10-26-64	.13 .12
4-0966.60	Spencer Creek	do	NW1/4 sec.1, T.5 S., R.8 W., at Blossom Road, 3.0 miles west of Union City, Mich.	4.02	7-13-64 7-29-64 10-26-64	.26 .06 .02
4-0966.80	do	do	SW1/4 sec.3, T.5 S., R.8 W., at State Highway 60, 5.0 miles west of Union City, Mich.	5.83	7-13-64 7-28-64 10-26-64	.58 .19 .14

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Michigan--continued						
4-0967.00	Spencer Creek	St. Joseph River	SW1/4 sec.16, T.5 S., R.8 W., at Blossom Road, 2.2 miles north of Sherwood, Mich.	10.2	7-13-64 7-28-64 10-26-64	.89 0 .62
4-0967.10	St. Joseph River tributary No. 2	do	NE1/4 sec.18, T.6 S., R.8 W., at Ambs Road, 4.0 miles southwest of Sherwood, Mich.	9.34	7-13-64 7-28-64 10-26-64	0 0 0
4-0967.20	Swan Creek	do	SW1/4 sec.28, T.6 S., R.7 W., at Lindley Road, 2.0 miles west of Batavia, Mich.	8.01	2- 6-64 4-16-64 6- 2-64 7-13-64 7-28-64 9-14-64 10-26-64 2-18-65 4-26-65 7-28-65 10-28-65	.94 2.35 1.99 1.35 1.01 .32 .38 5.35 18.6 1.90 2.33
4-0967.40	Swan Creek tributary	Swan Creek	NW1/4 sec.5, T.7 S., R.7 W., at U.S. Highway 12, 2.5 miles northeast of Bronson, Mich.	33.2	2- 6-64 4-16-64 6- 2-64 7-13-64 7-28-64 9-14-64 10-26-64 2-18-65 4-26-65 7-28-65 10-28-65	4.59 11.3 4.96 4.90 2.32 2.10 2.60 24.7 85.6 5.36 16.0
4-0967.45	Swan Creek	St. Joseph River	NW1/4 sec.6, T.7 S., R.7 W., at Parnam Road, 1.8 miles northeast of Bronson, Mich.	45.9	7-13-64 7-28-64 10-26-64	6.16 3.10 3.68
4-0967.50	do	do	NW1/4 sec.36, T.6 S., R.8 W., at Matteson Lake Road, 2.3 miles north of Bronson, Mich.	51.2	7-13-64 7-29-64 10-26-64	6.54 2.85 3.37
4-0967.55	Drain No. 30	Swan Creek	NE1/4 sec.11, T.7 S., R.8 W., at bridge at north limits of Bronson, Mich.		8-22-55	2.02
4-0967.57	Swan Creek	St. Joseph River	NE1/4 sec.3, T.7 S., R.8 W., at Burr Oak Road, 2.1 miles northwest of Bronson, Mich.		7-17-67	15.4
4-0967.60	do	do	NE1/4 sec.9, T.7 S., R.8 W., at Prairie River Road, 1.9 miles northwest of Bronson, Mich.	57.4	5-11-39 6-26-39 4-16-64 6- 2-64 7-13-64 7-29-64 9-14-64 10-27-64 2-18-65 4-27-65 7-28-65 10-19-65	41.5 21.8 21.1 8.54 7.42 3.38 1.68 3.89 51.2 123 9.31 12.0
4-0967.63	do	do	NW1/4 NW1/4 sec.17, T.7 S., R.8 W., at Taggart Road, 4 miles west of Bronson, Mich.		2- 6-64	7.18
4-0967.66	do	do	SE1/4 sec.3, T.7 S., R.9 W., at bridge on Middle Colon Road, 2 1/2 miles north of Burr Oak, Mich.		7- 9-63 10-17-63	5.2 3.74
4-0967.70	Little Swan Creek	Swan Creek	NE1/4 sec.13, T.6 S., R.8 W., at Langwell Road, 1.0 mile north of Matteson, Mich.	8.94	7-13-64 7-28-64 10-27-64	.40 .16 0
4-0967.80	do	do	S1/2 sec.21, T.6 S., R.8 W., at Comm Road, 2.9 miles southwest of Matteson, Mich.	19.4	4-16-64 6- 2-64 7-29-64 9-14-64 10-26-64 2-18-65 4-26-65 7-28-65 10-19-65	6.29 4.42 .61 .57 .56 22.9 34.7 1.65 1.83
4-0967.90	do	do	N1/2 sec.29, T.6 S., R.8 W., at Lyter Road, 4.0 miles west of Matteson, Mich.	20.2	7-28-64 10-27-64	2.78 1.81
4-0968.00	St. Joseph River	Lake Michigan	NE1/4 sec.32, T.5 S., R.9 W., at Bennett Road, 3.7 miles northwest of Colon, Mich.		7-17-67	244
4-0968.30	Nottawa Creek	St. Joseph River	NE1/4 sec.28, T.3 S., R.7 W., near Ceresco, Mich.		3-16-49 3-16-49 6- 2-49	54.6 48.8 34.9
4-0968.60	do	do	SW1/4 sec.28, T.3 S., R.7 W., near Ceresco, Mich.		3-16-49 3-16-49 6- 2-49 6- 2-49	52.4 52.7 37.4 38.6

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Michigan--continued						
4-0969.40	Bear Creek	Nottawa River	SW1/4 sec.1, T.4 S., R.9 W., at TU Avenue, 3.0 miles northeast of Fulton, Mich.	3.10	7 28 64 10-19-65 5- 9-67	.79 2.27 8.21
4-0969.50	do	do	SW1/4 sec.35, T.4 S., R.9 W., at 44th Street, 3.0 miles south of Fulton, Mich.	10.3	2- 6-64 4-16-64 6- 2-64 7-28-64 9-15-64 2-18-65 8-12-65 10-19-65 5- 3-66 8-30-66 5- 9-67	4.32 5.48 1.93 .68 .62 10.7 1.72 4.51 26.8 3.30 18.3
4-0970.00	St. Joseph River	Lake Michigan	SW1/4 sec.26, T.5 S., R.10 W., at Mendon, Mich.		4-28-51 5- 1-51	6,020 4,430
4-0970.40	Little Portage Creek	St. Joseph River	E1/2 sec.34, T.3 S., R.9 W., at TS Avenue, 5.0 miles south of Climax, Mich.	10.1	2- 6-64 4-16-64 6- 2-64 7-27-64 9-15-64 2-18-65 8-12-65 10-18-65 5- 4-66 8-30-66 5- 9-67	.26 2.54 .49 .07 .03 6.86 .56 1.34 12.2 1.23 8.79
4-0970.45	do	do	SE1/4 sec.9, T.4 S., R.9 W., at V Avenue, 1.0 mile north of Fulton, Mich.	14.1	7-28-64 10-19-65 5- 9-67	.02 2.84 12.2
4-0970.50	Little Portage Creek tributary	Little Portage Creek	SE1/4 sec.9, T.4 S., R.9 W., at V Avenue, 1.0 mile north of Fulton, Mich.	3.57	7-27-64 10-19-65 5- 9-67	.30 1.50 2.53
4-0970.60	Little Portage Creek	St. Joseph River	SW1/4 sec.29, T.4 S., R.9 W., at gaging station at 38th Street, 2.8 miles southwest of Fulton, Mich.	27.0	7-27-64 10-19-65 5- 9-67	4.21 7.53 25.0
4-0970.70	Portage River	do	NE1/4 sec.33, T.2 S., R.9 W., at MN Avenue, 1.4 miles northwest of Climax, Mich.	5.04	7-28-64 10-18-65 5- 8-67	0 0 0
4-0970.75	do	do	NW1/4 sec.7, T.3 S., R.9 W., at 36th Street, 2.2 miles north of Scotts, Mich.	9.76	7-28-64 10-18-65 5- 8-67	1.23 2.16 6.97
4-0970.80	do	do	SW1/4 sec.10, T.3 S., R.10 W., at OP Avenue, 3.2 miles north of Pavilion, Mich.	16.9	7-28-64 10-18-65 5- 8-67	.70 2.70 12.2
4-0971.15	Portage River tributary	Portage River	NE1/4 sec.27, T.3 S., R.10 W., at 32nd Street, 1.2 miles northwest of McKain Corners, Mich.	8.47	4-16-64 6- 2-64 7-27-64 9-15-64 2-18-65 8- 5-65 10-18-65 5- 4-66 8-30-66 5- 8-67	3.35 2.33 1.86 1.90 5.06 3.56 3.20 10.6 3.14 11.4
4-0971.20	Portage River	St. Joseph River	SE1/4 sec.28, T.3 S., R.10 W., at S Avenue, 0.9 mile west of Pavilion, Mich.	32.8	10-17-63 4-16-64 6- 2-64 7-27-64 9-15-64 2-18-65 8- 5-65 10-18-65 5- 3-66 8-30-66 5- 8-67	4.38 13.4 8.46 6.39 4.95 21.9 10.0 11.1 38.3 11.6 40.6
4-0971.30	Dorrance Creek	Portage River	SW1/4 sec.36, T.3 S., R.10 W., at 34th Street, 0.5 mile south of McKain Corners, Mich.	13.0	4-16-64 6- 2-64 7-27-64 9-15-64 2-18-65 8- 6-65 10-18-65 5- 4-66 8-30-66 5- 8-67	2.70 .86 .41 .28 5.88 .25 1.64 7.10 1.72 8.02
4-0971.60	Portage River	St. Joseph River	NW1/4 sec.10, T.4 S., R.10 W., at U Avenue, 2.0 miles south of Pavilion, Mich.	59.3	7-20-44 7-27-64 10-19-65 5- 8-67	20.1 7.18 31.9 77.6

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Michigan--continued						
4-0972.06	Austin Lake outlet	Gourdneck Creek	SE1/4 sec.36, T.3 S., R.11 W., near Kalamazoo, Mich.		4-17-47	16.6
					5- 7-47	22.5
					4- 6-47	12.3
					10-28-47	0
					1- 7-48	6.45
					5-27-48	19.6
					8-12-48	9.86
					12-15-49	0
					3-22-49	9.27
					6-14-49	6.41
					9-15-49	0
					1-18-51	5.81
4-0972.07	do	do	SE1/4 sec.1, T.4 S., R.11 W., at TU Avenue, 2.0 miles north of Vicksburg, Mich.	14.2	5- 2-51	24.1
					8-15-51	4.08
					7-28-64	.44
4-0972.10	Portage Creek	Portage River	NE1/4 sec.24, T.4 S., R.11 W., at W Avenue, at Vicksburg, Mich.	35.2	10-18-65	0
					5- 9-67	22.4
					7-28-64	7.42
4-0972.15	Howard Lake inlet	do	W1/2 sec.27, T.4 S., R.11 W., at XY Avenue, 3.0 miles southwest of Vicksburg, Mich.	8.01	10-18-65	14.7
					5- 9-67	67.9
					7-17-67	19.3
					4-16-64	0.14
					6- 2-64	.10
					7-28-64	.09
					9-15-64	.04
					2-19-65	.23
					8- 6-65	.30
					10-19-65	.35
4-0972.20	Portage Creek	do	NE1/4 sec.25, T.4 S., R.11 W., at 24th Street, 1.7 miles south of Vicksburg, Mich.	53.9	5- 3-66	3.52
					8-30-66	.71
					5- 9-67	9.77
4-0972.40	do	do	SW1/4 sec.32, T.4 S., R.10 W., at Z Avenue, 3.4 miles southeast of Vicksburg, Mich.	57.7	7-28-64	12.9
					10-19-65	41.4
					5- 9-67	87.2
					7-28-64	17.6
					10-19-65	41.8
					2- 8-66	55.3
4-0972.60	Brown Creek	do	NE1/4 sec.23, T.4 S., R.10 W., at W Avenue, 4.5 miles east of Vicksburg, Mich.	3.80	3-31-66	61.1
					5- 3-66	81.5
					8-30-66	34.0
4-0972.80	Brown Creek tributary	Brown Creek	NW1/4 sec.26, T.4 S., R.10 W., at X Avenue, 4.5 miles east of Vicksburg, Mich.	4.65	5- 9-67	96.3
					7-28-64	.02
					10-19-65	.50
4-0973.30	Brown Creek	Portage River	SE1/4 sec.33, T.4 S., R.10 W., at YZ Avenue, 4.2 miles southeast of Vicksburg, Mich.	13.1	5- 9-67	2.31
					7-28-64	.34
					10-19-65	.85
					5- 9-67	3.37
					4-16-64	6.30
					6- 2-64	2.62
					7-28-64	1.38
					9-15-64	.46
					2-18-65	11.7
					8- 5-65	1.72
4-0973.40	Portage River	St. Joseph River	SE1/4 sec.23, T.5 S., R.11 W., at bridge on Parkville Road, at Parkville, Mich.		10-19-65	3.37
					5- 3-66	27.0
					8-30-66	2.76
4-0973.43	do	do	SW1/4 sec.4, T.6 S., R.11 W., near Three Rivers, Mich.		5- 9-67	13.0
					7- 9-63	29.2
4-0973.45	do	do	SE1/4 sec.18, T.6 S., R.11 W., at Fifth Street, in Three Rivers, Mich.		4-27-51	823
					5- 2-51	687
4-0973.50	Flowerfield Creek	Rocky River	SW1/4 sec.17, T.4 S., R.12 W., at 2nd Street, 5.5 miles west of Schoolcraft, Mich.	12.5	9-11-62	259
					7-18-67	262
4-0973.52	do	do	SW1/4 sec.21, T.4 S., R.12 W., at 4th Street, 4.5 miles southwest of Schoolcraft, Mich.	17.2	7-27-64	.90
					10-18-65	1.53
					5- 9-67	5.92
4-0973.55	do	do	NE1/4 sec.28, T.4 S., R.12 W., at XY Avenue, 4.0 miles southwest of Schoolcraft, Mich.	18.9	5- 9-67	15.3
4-0973.60	Flowerfield Creek tributary	Flowerfield Creek	SW1/4 sec.2, T.4 S., R.12 W., at U Avenue, 2.8 miles northwest of Schoolcraft, Mich.	6.75	7-27-64	2.84
					10-19-65	4.27
					5- 8-67	
4-0973.65	do	do	NE1/4 sec.23, T.4 S., R.12 W., at WX Avenue, 1.9 miles west of Schoolcraft, Mich.	11.9	7-27-64	0
					10-19-65	0
					5- 9-67	.65

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Michigan--continued						
4-0973.70	Flowerfield Creek	Rocky River	Lat 42°03'50", long 85°39'44", in SW1/4 sec.1, T.5 S., R.12 W., St. Joseph County, at Flowerfield Road, at Flowerfield, Mich.	42.6	2- 5-64 3- 3-64 4- 9-64 6- 2-64 7-28-64 9-15-64 2-10-65 2-19-65 4- 7-65 8-12-65 10-18-65 5- 3-66 8-30-66 12- 7-66 3-17-67 5- 9-67 4-30-68 3-18-69 4-26-69 4-18-70	12.3 12.9 18.8 4.39 2.40 1.92 37.9 21.5 35.7 9.36 12.6 40.4 12.7 33.9 45.2 32.2 19.2 18.2 30.8 35.6
4-0973.80	Spring Creek	Rocky River	NW1/4 sec.4, T.5 S., R.11 W., at Muskrat Rd., 2.5 miles east of Flowerfield, Mich.	10.9	7-27-64 10-18-65 5- 9-67	1.91 3.43 7.87
4-0974.80	Rocky River	St. Joseph River	NE1/4 sec.1, T.6 S., R.12 W., at bridge on Null Rd., 3 miles north of Three Rivers, Mich.		7-10-63	61.0
4-0974.82	do	do	SE1/4 sec.1, T.6 S., R.12 W., near Three Rivers, Mich.		4-28-51 5- 2-51	801 438
4-0974.93	do	do	Sec.12, T.6 S., R.12 W., near bridge on U.S. Highway 131, 1 mile north of Three Rivers, Mich.		4-27-51 9-16-60 9-11-62	923 93.9 135
4-0974.95	do	do	SE1/4 sec.18, T.6 S., R.11 W., at West Michigan Ave. in Three Rivers, Mich.		7-18-67	90.0
4-0975.10	Prairie River	do	NE1/4 sec.11, T.8 S., R.7 W., at Block Rd., 0.7 mile north of East Gilead, Mich.	8.15	7-28-64 10-26-64	.29 .18
4-0975.22	Lake Pleasant outlet	Prairie River	S1/2 sec.10, T.8 S., R.7 W., at Booth Rd., 1.5 miles west of East Gilead, Mich.	9.63	7-28-64 10-26-64	1.20 1.02
4-0975.25	Prairie River	St. Joseph River	SE1/4 sec.4, T.8 S., R.7 W., at Bowers Rd., 2.0 miles east of Gilead, Mich.	27.3	7-28-64 10-27-64	3.06 2.51
4-0975.26	do	do	E1/2 sec.30, T.7 S., R.7 W., at Parnam Rd., 2.0 miles north of Gilead, Mich.	31.9	7-28-64 10-27-64	4.85 5.54
4-0975.27	Prairie River tributary	Prairie River	NE1/4 sec.36, T.7 S., R.8 W., at Cranson Rd., 2.0 miles northwest of Gilead, Mich.	6.15	7-29-64 10-27-64	.01 0
4-0975.28	Prairie River	St. Joseph River	NW1/4 sec.25, T.7 S., R.8 W., at Orland Rd., 2.3 miles south of Bronson, Mich.	42.5	7-11-63 2- 6-64 4-16-64 6- 3-64 7-29-64 9-14-64 10-27-64 2-18-65 4-26-65 7-28-65 10-19-65	6.28 8.46 17.6 9.73 5.30 4.34 5.24 33.2 88.6 6.93 12.7
4-0975.29	do	do	SW1/4 sec.27, T.7 S., R.8 W., at Prairie River Rd., 3.9 miles southwest of Bronson, Mich.	46.2	7-29-64 10-27-64	6.01 4.98
4-0975.30	do	do	SW1/4 sec.19, T.7 S., R.8 W., at St. Joseph Rd., 1.0 mile east of Burr Oak, Mich.	63.3	7-29-64 10-27-64 4-27-65	9.78 8.34 137
4-0975.37	Perrin Lake outlet	Prairie River	Lat 41°52'14", long 85°25'34", in SW1/4 sec.12, T.7 S., R.10 W., St. Joseph County, at Perrin Rd., (Banker St. Rd.), 5.0 miles north of Sturgis, Mich.	2.91	8-22-63 10-31-63 12-23-63 9- 2-64 12-30-64 6- 2-65 7-29-65 8-18-66 8- 9-67 10- 2-67 4-30-68 9- 5-68 10- 9-68 4-30-69 10-25-69	.22 0 0 0 0 .50 .13 0 0 0 .03 1.40 .81 3.87 0
4-0976.30	Prairie River	St. Joseph River	NE1/4 sec.26, T.6 S., R.11 W., at Three Rivers Rd., 1 mile west of Centreville, Mich.		4-28-51 5- 2-51 7-10-63 7-18-67	979 567 25.6 74.4
4-0984.00	Fawn River	do	N1/2 sec.20, T.8 S., R.9 W., at bridge on Miller Rd., 3 miles southeast of Sturgis, Mich.		7- 9-63	29.8

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Michigan--continued						
4-0985.02	Fawn River	St. Joseph River	SW1/4 sec. 3, T.8 S., R.11 W., 1 mile south of bridge on U.S. Highway 112, 9 miles west of Sturgis, Mich.		8-22-55	77.4
4-0986.10	Sherman Mill Creek	do	Lat 41°49'40", long 85°28'42", in SW1/4 sec.28, T.7 S., R.10 W., St. Joseph County, at Sherman Rd., 3.7 miles northwest of Sturgis, Mich.	3.62	8-22-63 10-31-63 12-23-63 9- 2-64 12-30-64 5-26-65 7-29-65 8-18-66 8- 9-67 10- 2-67 4-30-68 9- 5-68 11- 9-68 4-30-69 10-25-69	4.44 4.44 4.53 3.84 5.24 5.76 3.44 5.27 5.33 5.33 5.73 7.23 6.78 8.22 7.16
4-0986.20	do	do	Lat 41°49'17", long 85°30'18", in NW1/4 sec.32, T.7 S., R.10 W., St. Joseph County, at Shimmel Rd., 4.8 miles northwest of Sturgis, Mich.	5.31	8-22-63 10-31-63 12-23-63 9- 2-64 12-30-64 5-26-65 7-29-65 8-18-66 8- 9-67 10- 2-67 4-30-68 9- 5-68 11- 9-68 4-30-69 10-25-69	8.81 9.31 8.82 6.51 10.2 10.1 4.81 14.5 8.00 11.4 10.2 14.6 12.5 15.3 13.8
4-0986.30	do	do	Lat 41°47'52", long 85°32'10", in S1/2 sec.36, T.7 S., R.11 W., St. Joseph County, at Klinger Lake Rd., 5.7 miles east of White Pigeon, Mich.	9.00	8-22-63 10-31-63 12-23-63 9- 2-64 12-30-64 5-26-65 7-29-65 8-18-66 8- 9-67 10- 2-67 4-30-68 11- 9-68 4-30-69 10-25-69	9.46 7.51 10.1 6.99 11.0 11.8 6.04 17.3 9.67 14.2 14.0 15.4 19.0 15.3
4-0986.35	Klinger Lake outlet	Fawn River	SE1/4 sec.35, T.7 S., R.11 W., Michigan Meridian, 5 miles east of White Pigeon, Mich.	16.7	7-23-41 4-10-46 5-15-46 8-13-46 1- 9-47 4-17-47 5- 7-47 10-28-47 1- 6-48 5-27-48 8-12-48 12-17-48 2-17-49 6-16-49 10- 6-49 1-16-50 5-17-50 7-25-50 10-19-50 1-10-51 5- 4-51 8-14-51 11-14-51 2-12-52 3-27-52 6-12-52 8- 7-52 11-10-52 2- 5-53 4- 6-53 7- 8-53 10- 5-53 1-11-54 5- 3-54 7-14-54 10- 5-54 3-14-55 5- 9-55 8-10-55 10- 3-55 1-11-56 4-11-56 7-31-56	10.5 18.6 14.9 7.75 24.6 44.1 29.8 17.0 28.9 24.4 15.0 24.2 23.4 23.3 26.3 38.4 30.4 31.7 27.2 35.5 36.6 29.4 35.2 35.2 33.5 27.3 19.3 17.7 26.1 23.9 17.5 12.4 15.8 42.7 32.0 24.2 29.7 20.7 15.8 19.5 21.0 27.2 21.6

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements																																																								
					Date	Discharge (cfs)																																																							
Streams tributary to Lake Michigan--continued																																																													
4-0986.35	Klinger Lake outlet	Fawn River	continued		10- 2-56	9.10																																																							
					3-18-57	20.4																																																							
					5-16-57	16.0																																																							
					7- 6-57	7.42																																																							
					9- 6-57	12.5																																																							
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					8- 4-59	20.4																																																							
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					8-22-63	13.9																																																							
					10-31-63	10.8																																																							
					12-23-63	15.5																																																							
					9- 2-64	.64																																																							
4-0986.40	Fawn River	St. Joseph River	NW1/4 sec.28, T.7 S., R.11 W., near Constantine, Mich.		4-28-51	993																																																							
					5- 2-51	744																																																							
					4-0991.00	White Pigeon River	do	NE1/4 sec.10, T.8 S., R.12 W., at Blue School Rd., 2 miles west of White Pigeon, Mich.		8-23-55	193																																																		
										9-14-60	186																																																		
										10-17-63	83.2																																																		
										4-0991.10	do	do	NW1/4 sec.18, T.8 S., R.12 W., near Mottville, Mich.		4-28-51	1,410																																													
															5- 2-51	1,300																																													
															4-0991.12	do	do	SE1/4 sec.13, T.8 S., R.13 W., St. Joseph County, 100 ft downstream from bridge on State Highway 103, 1.0 mile upstream from mouth, 2.3 miles southeast of Mottville, Mich.	410	7-30-64	113																																								
																				8- 7-64	84.2																																								
																				8-14-64	117																																								
																				8-21-64	74.7																																								
																				9- 1-64	123																																								
																				9- 8-64	75.1																																								
																				9-23-64	126																																								
																				12- 1-64	178																																								
																				7-18-67	185																																								
10-16-68	206																																																												
4-0994.00	Shavehead Lake outlet	Mud Creek	NW1/4 sec.30, T.7 S., R.13 W., 7 1/2 miles south-east of Vandalia, Mich.																	9-25-57	6.51																																								
					4-0996.00	Cristiann Creek	St. Joseph River	NE1/4 sec.36, T.7 S., R.15 W., at 1st bridge above Painter Lake, 2.5 miles north of Adamsville, Mich.												10-17-63	22.2																																								
																				4-0996.10	do	do	NE1/4 sec.24, T.8 S., R.15 W., 4.8 miles south-east of Edwardsburg, Mich.		7-19-67	53.7																																			
																									4-0996.20	Pleasant Lake outlet	do	SW1/4 sec.5, T.8 S., R.15 W., at Edwardsburg, Mich.		3-27-52	1.0																														
										4-0996.25	do	do	NE1/4 sec.5, T.8 S., R.15 W., 1 mile north-east of Edwardsburg, Mich.																	3-27-52	1.8																														
																														4-0996.30	Garver Lake inlet	Garver Lake	SE1/4 sec.4, T.8 S., R.15 W., at bridge on U.S. Highway 112, 1 mile east of Edwardsburg, Mich.		3-27-52	8.2																									
															4-0996.40	Garver Lake outlet	St. Joseph River	SE1/4 sec.16, T.8 S., R.15 W., 1,000 ft below Garver Lake, 2 miles southeast of Edwardsburg, Mich.																	3-27-52	10.0																									
																																			4-1016.00	Little Cedar Lake outlet	Dowagiac Creek	NE1/4 sec.32, T.4 S., R.13 W., 5 1/2 miles south of Lawton, Mich.		7- 9-52	.9																				
																																								4-1016.05	Gravel Lake outlet	do	SW1/4 sec.32, T.4 S., R.13 W., 6 miles south of Lawton, Mich.		7- 9-52	3.7															
																																													4-1016.10	Fish Lake Chain outlet	do	SE1/4 sec.11, T.5 S., R.14 W., near Nicholsville, Mich.		10-26-45	4.71										
																																																		4-1016.90	Dowagiac Creek	Dowagiac River	SW1/4 sec.34, T.5 S., R.16 W., at State Highway 62, 2.5 miles west of Dowagiac, Mich.	76	7-10-63	22.4					
																																																							10-18-63	23.9					
																																																							4-1017.00	Dowagiac Drain	do	SW1/4 sec.35, T.4 S., R.15 W., at bridge on 50th St., 3.7 miles southwest of Decatur, Mich.	21.9	4-15-63	30.6
																																																												7- 8-63	14.8
																																																												10-18-63	15.6
																																																												4-1017.05	Lake of the Woods Drain
1-11-49	5.81																																																												
4-1017.10	do	do	NE1/4 sec.34, T.4 S., R.15 W., at culvert on 92nd Ave., 3.5 miles southwest of Decatur, Mich.	13.1	9-27-62	17.4																																																							
					4-15-63	9.85																																																							
					7- 8-63	3.30																																																							
					10-18-63	2.93																																																							
					4-1017.15	Osborn Drain	Dowagiac River	SW1/4 sec.32, T.4 S., R.15 W., at culvert on 56th St., 5.0 miles southeast of Keeler, Mich.	15.5	9-27-62	2.05																																																		
										4-15-63	4.90																																																		
										7- 8-63	1.04																																																		
										10-18-63	1.34																																																		
										4-1017.40	Dowagiac River	St. Joseph River	SE1/4 sec.33, T.5 S., R.16 W., at State Highway 62, 3 miles west of Dowagiac, Mich.	118	7-10-63	63.9																																													
															10-18-63	26.2																																													

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Michigan--continued						
4-1017.50	Dowagiac River	St. Joseph River	NE1/4 sec.30, T.6 S., R.16 W., 1 mile north of Sumnerville, Mich.		9-16-60	133
4-1017.95	Pokagon Creek	Dowagiac River	SE1/4 sec.28, T.6 S., R.16 W., at bridge on State Highway 40 at Pokagon, Mich.		10-18-63 4- 2-64 4- 9-64 4-16-64 4-30-64 5- 8-64 5-21-64	12.5 28.4 22.3 19.1 33.4 25.2 16.2
4-1020.00	St. Joseph River	Lake Michigan	At Barrien Springs, Mich.		4- 7-47 4-11-47 4-19-47 10- 3-47 3-23-48 4-20-48 6- 8-48 7-14-48 8-11-48 9-18-48	14,300 12,700 8,610 3,480 12,900 5,600 2,480 650 1,610 908
4-1020.10	Love Creek	St. Joseph River	E1/2 sec.17, T.6 S., R.17 W., 2 miles east of Berrien Springs, Mich.	2.00	1- 8-64	.13
4-1020.12	Love Creek tributary	Love Creek	E1/2 sec.17, T.6 S., R.17 W., 2 miles east of Berrien Springs, Mich.	.70	1- 8-64	.13
4-1020.14	Love Creek	St. Joseph River	E1/2 sec.17, T.6 S., R.17 W., 2 miles east of Berrien Springs, Mich.	2.70	1- 8-64	.30
4-1020.16	do	do	SW1/4NW1/4 sec.17, T.6 S., R.17 W., at Dean's Hill Rd., 1 mile east of Berrien Springs, Mich.	3.25	1- 8-64	2.68
4-1020.25	Farmers Creek	do	NW1/4 sec.6, T.6 S., R.17 W., at River Rd., 1.8 miles west of Eau Claire, Mich.		7-19-67	4.65
4-1020.40	Pipestone Creek	do	SE1/4 sec.17, T.5 S., R.17 W., at Pipestone Rd., 3.1 miles north of Eau Claire, Mich.		7-19-67	15.9
4-1020.70	Hickory Creek	do	SE1/4 sec.35, T.4 S., R.19 W., at U.S. Highway 33, at St. Joseph, Mich.		7-15-67	20.1
4-1021.40	Gates Drain	South Branch Paw Paw River	NW1/4 sec.35, T.3 S., R.14 W., at bridge on 68th St., 3.0 miles west of Lawton, Mich.	26.0	9-27-62 4-15-63 7- 8-63 10-18-63	16.1 29.1 12.1 15.1
4-1021.45	Eagle Lake Drain	do	SE1/4 sec.34, T.3 S., R.14 W., at culvert on 39th St., 4.2 miles west of Lawton, Mich.	13.8	9-27-62 4-15-63 7- 8-63 10-18-63	4.40 5.95 4.37 3.61
4-1021.50	South Branch Paw Paw River	Paw Paw River	SE1/4 sec.14, T.3 S., R.14 W., at bridge on Interstate Highway I-94, 1.4 miles south of Paw Paw, Mich.	52.1	9-27-62 4-15-63 7- 8-63 10-18-63	31.8 52.0 25.2 32.2
4-1021.70	East Branch Paw Paw River	South Branch Paw Paw River	SE1/4 sec.22, T.3 S., R.13 W., at bridge on 63rd Rd., 2.4 miles northeast of Lawton, Mich.	11.4	9-27-62 4-15-63 7- 8-63 10-18-63 3-18-66 6- 2-66 7- 1-66	3.44 6.35 2.30 3.32 8.42 5.96 5.52
4-1021.71	do	do	SE1/4 sec.22, T.3 S., R.13 W., at railroad bridge, 1 mile northeast of Lawton, Mich.		7- 1-66	6.14
4-1021.72	do	do	NE1/4 sec.21, T.3 S., R.13 W., at 28th St., 1 mile northeast of Lawton, Mich.		3-18-66 6- 2-66	15.7 11.8
4-1021.77	Cook Drain	East Branch Paw Paw River	Lat 42°12'50", long 85°49'00", in SW1/4 sec.15, T.3 S., R.13 W., VanBuren County, at 58th Ave., 1 mile west of Mattawan, Mich.		5-22-70	1.65
4-1021.78	East Branch Paw Paw River	South Branch Paw Paw River	NW1/4 sec.21, T.3 S., R.13 W., at 30th St., 1 1/2 miles north of Lawton, Mich.		3-18-66 6- 2-66	20.1 18.8
4-1021.79	do	do	NE1/4 sec.18, T.3 S., R.13 W., at 32nd St., 1 mile east of Paw Paw, Mich.		3-18-66 6- 2-66	28.1 23.0
4-1021.80	do	do	NW1/4 sec.13, T.3 S., R.14 W., at bridge on State Highway 119 at Paw Paw, Mich.	31.5	9-27-62 4-15-63 7- 8-63 10-18-63	17.3 23.4 16.1 16.2
4-1021.98	Brownwood Lake outlet	do	NE1/4 sec.3, T.3 S., R.14 W., 1,500 ft below Brownwood Lake and 2 miles northwest of Paw Paw, Mich.		10-19-51	1.0
4-1022.00	South Branch Paw Paw River	Paw Paw River	NE1/4 sec.35, T.2 S., R.14 W., 3 miles north of Paw Paw, Mich.		8-26-55	12.9

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Michigan--continued						
4-1022.10	North Branch Paw Paw River	Paw Paw River	NE1/4 sec.16, T.2 S., R.13 W., at bridge on State Highway 43, 5.0 miles southeast of Gobles, Mich.	30.6	9-27-62 7- 9-63 10-17-63	26.9 16.8 25.7
4-1022.20	do	do	NW1/4 sec.25, T.2 S., R.14 W., at bridge on 35.5th St., 3.4 miles north of Paw Paw, Mich.	63.5	9-27-62 4-15-63 7- 8-63 10-18-63	39.5 58.0 30.8 37.6
4-1022.40	Brandywine Creek	do	NW1/4 sec.11, T.2 S., R.14 W., at bridge on 37th St., 3.4 miles south of Gobles, Mich.	9.05	9-27-62 4-15-63 7- 9-63 10-17-63	.22 .73 .08 .09
4-1022.50	do	do	NE1/4 sec.15, T.2 S., R.14 W., at bridge on State Highway 43, 4.5 miles south of Gobles, Mich.	26.4	9-27-62 4-15-63 7- 9-63 10-18-63	.79 12.3 .53 .41
4-1022.60	do	do	NE1/4 sec.23, T.2 S., R.14 W., at bridge on 38th Ave., 4.4 miles north of Paw Paw, Mich.	32.2	9-27-62 4-15-63 7- 9-63 10-18-63	2.99 18.1 2.87 2.28
4-1022.70	Paw Paw River	St. Joseph River	NW1/4 sec.26, T.2 S., R.14 W., 1/4 mile upstream from highway bridge and 4 miles north of Paw Paw, Mich.		8-25-55	40.1
4-1023.50	Brush Creek	Paw Paw River	NE1/4 sec.4, T.4 S., R.15 W., at bridge on 72nd Ave., 4.5 miles south of Lawrence, Mich.	16.0	9-27-62 4-15-63 7- 9-63 10-17-63	6.66 9.36 5.62 5.29
4-1023.60	Red Creek	Brush Creek	NW1/4 sec.33, T.3 S., R.15 W., at bridge on 54th St., 4.0 miles south of Lawrence, Mich.	6.89	9-27-62 4-15-63 7- 9-63 10-17-63	.52 2.47 .42 .46
4-1023.70	Brush Creek	Paw Paw River	SW1/4 sec.10, T.3 S., R.15 W., at bridge on Red Arrow Highway at Lawrence, Mich.	39.9	8-25-55 9-27-62 4-15-63 7- 8-63 10-18-63	16.5 16.7 23.6 14.5 14.4
4-1024.12	Mud Lake Drain	do	NW1/4 sec.9, T.3 S., R.16 W., at bridge on 52nd Ave., 1.4 miles northwest of Hartford, Mich.	9.84	8-25-55 9-27-62 4-15-63 7- 8-63 10-18-63	1.20 1.47 5.52 1.51 .88
4-1024.30	Pine Creek	do	NW1/4 sec.17, T.3 S., R.16 W., at mouth, 1.7 miles west of Hartford, Mich.	10.7	8-25-55 9-27-62 4-15-63 7- 8-63 10-18-63	2.32 1.63 4.53 1.95 1.56
4-1024.50	Mill Creek	do	SE1/4 sec.1, T.4 S., R.17 W., at culvert on 76th Ave., 5.4 miles southwest of Hartford, Mich.	11.3	9-27-62 4-15-63 7- 8-63 10-18-63	7.64 9.70 5.81 6.03
4-1024.60	Mill Creek	do	SW1/4 sec.23, T.3 S., R.17 W., at bridge on U.S. Highway 12 at Watervliet, Mich.		8-25-55	14.6
4-1024.75	Ryno Drain	do	NE1/4 sec.29, T.3 S., R.17 W., 100 ft downstream from bridge on U.S. Highway 12 at Coloma, Mich.		8-25-55	.27
4-1024.80	Paw Paw River	St. Joseph River	NE1/4 sec.20, T.3 S., R.17 W., at Coloma, Mich.		8-29-51	254
4-1025.20	do	do	NW1/4 sec.18, T.4 S., R.18 W., at Benton Harbor, Mich.		4- 8-47 4- 9-47 4-10-47 6-14-48 7-14-48 8-11-48 11-17-48	4,080 3,460 2,810 332 284 378 344
4-1025.30	Ox Creek	Paw Paw River	NE1/4NE1/4 sec.30, T.4 S., R.18 W., at Benton Harbor, Mich.		4- 8-47	28.1
4-1025.40	Brandywine Creek	do	NE1/4 sec.8, T.2 S., R.17 W., at bridge on U.S. Highway 31, 2.7 miles northwest of Covert, Mich.	16.7	9-27-62 4-15-63 7- 8-63 10-18-63	.90 11.4 1.36 1.04
4-1025.45	Deerlick Creek	do	NE1/4 sec.21, T.1 S., R.17 W., at 76th St., 2.0 miles south of South Haven, Mich.	7.76	9-27-62 4-15-63 7- 8-63 10-18-63	0 2.77 0 0

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Michigan--continued						
4-1025.75	Black River Drain	Black River	NW1/4 sec.34, T.1 S., R.15 W., above mouth of Haven and Max Lake Drain at 52nd Rd., 3.8 miles northeast of Bangor, Mich.	23.6	9-27-62 4-15-63 7- 8-63 10-18-63	6.30 22.2 6.68 7.97
4-1025.90	Haven & Max Lake Drain	do	SW1/4 sec.27, T.1 S., R.15 W., at culvert on 20th Rd., 4.0 miles northeast of Bangor, Mich.	16.8	9-27-62 4-15-63 7- 8-63 10-18-63	.85 20.4 1.83 2.00
4-1026.20	Black River	Lake Michigan	SE1/4 sec.1, T.2 S., R.16 W., at bridge on Hamilton St. at Bangor, Mich.	52.3	9-27-62 4-15-63 7- 8-63 10-18-63	21.1 56.0 15.9 16.2
4-1026.30	Maple Brook	Black River	NW1/4 sec.12, T.2 S., R.16 W., at culvert on Alexander St., at Bangor, Mich.	12.1	9-27-62 4-15-63 7- 8-63 10-18-63	1.67 6.80 1.96 1.52
4-1026.40	Black River tributary	do	NE1/4 sec.3, T.2 S., R.16 W., at culvert on State Highway 43, 2.5 miles northwest of Bangor, Mich.	6.19	9-27-62 4-15-63 7- 9-63 10-18-63	1.08 4.15 1.23 1.02
4-1027.05	Black River	Lake Michigan	NE1/4 sec.29, T.1 S., R.16 W., at bridge on 16th Rd., 5.0 miles southeast of South Haven, Mich.	86.0	9-27-62 4-15-63 7- 9-63 10-18-63	20.4 76.3 24.6 22.9
4-1027.10	Black River tributary no. 2	Black River	SE1/4 sec.20, T.1 S., R.16 W., below confluence of two tributaries, 4.8 miles southeast of South Haven, Mich.	7.22	9-27-62 4-15-63 7- 9-63 10-18-63	1.11 3.95 1.10 .96
4-1027.20	Cedar Creek	do	NW1/4 sec.29, T.1 S., R.16 W., at bridge on 16th St., 4.6 miles southeast of South Haven, Mich.	17.6	9-27-62 4-15-63 7- 9-63 10-18-63	1.54 9.71 1.36 1.09
4-1027.25	Butternut Creek	do	SE1/4 sec.6, T.1 S., R.16 W., below mouth of Piper Creek at bridge on 68th St., 3.3 miles east of South Haven, Mich.	9.31	9-27-62 4-15-63 7- 9-63 10-18-63	1.67 6.30 2.32 2.04
4-1027.30	Black River	Lake Michigan	NE1/4 sec.1, T.1 S., R.17 W., at bridge on 70th St., 2.0 miles northeast of South Haven, Mich.	130	9-27-62 4-15-63 7- 9-63 10-18-63	34.3 105 29.4 29.4
4-1027.50	Melvin Creek	Black River	SW1/4 sec.1, T.1 S., R.15 W., at bridge on 47 1/2 St., 3.3 miles northwest of Bloomingdale, Mich.	7.10	9-27-62 4-15-63 7- 9-63 10-18-63	1.24 8.73 1.11 1.04
4-1027.70	Barber Creek	do	SW1/4 sec.34, T.1 N., R.15 W., at bridge on Baseline Rd., 1.2 miles northeast of Grand Junction, Mich.	7.71	9-27-62 7- 9-63 10-18-63	2.67 2.50 2.01
4-1027.80	Middle Fork Black River	do	SW1/4 sec.31, T.1 N., R.16 W., 1/2 mile upstream from bridge on Baseline Rd., 2.5 miles north-east of South Haven, Mich.	151	9-27-62 4-15-63 7- 8-63 10-18-63	36.3 145 37.3 33.8
4-1027.90	South Branch Kalamazoo River	Kalamazoo River	NE1/4 sec.9, T.5 S., R.3 W., at Concord Rd., .5 mile southeast of Mosherville, Mich.		7-21-64	7.08
4-1034.90	Rice Creek	do	SW1/4 sec.25, T.2 S., R.6 W., 0.2 mile above mouth, at Monroe St., in Marshall, Mich.		11-15-56 12- 3-56 1- 4-57 3-18-57 4-25-57 5-22-57 6-20-57 7-23-57 8-12-57 9-10-57 10- 7-57 11- 8-57 12- 9-57 1-20-58 3- 3-58 4- 7-58 5- 5-58 6- 2-58 7- 8-58 9- 9-58	33.5 44.3 52.8 68.4 128 127 53.1 54.1 28.6 36.9 28.6 51.4 64.5 48.6 132 104 56.5 37.6 46.2 30.7

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Michigan--continued						
4-1035.50	Minges Creek	Kalamazoo River	SE1/4 sec.27, T.2 S., R.8 W., 3 miles south of Battle Creek, Mich.		10- 6-49	9.45
					1-20-50	12.3
					5- 5-50	20.6
					7-27-50	8.94
					11- 9-50	5.14
					2-12-51	20.3
					7-13-51	5.96
					10-17-51	5.76
					1-25-52	15.9
					2-14-52	12.5
					6-10-52	8.32
					9- 5-52	5.01
					10-22-52	4.16
					10-17-53	2.59
					3-24-54	8.79
					6- 5-54	17.4
					7-13-54	5.41
4-1038.00	Narrow Lake outlet	Battle Creek	SW1/4 sec.27, T.1 N., R.4 W., near Springport, Mich.		9- 5-46	.70
4-1040.00	Battle Creek	Kalamazoo River	SW1/4 sec.24, T.2 N., R.5 W., at former gaging station, 1 mile southwest of Charlotte, Mich.	67	10-16-54	73.4
					11- 9-54	24.2
					12- 4-54	34.8
					1-13-55	46.3
					2-15-55	19.5
					3- 4-55	84.4
					3-21-55	46.2
					4-21-55	32.3
					5-19-55	15.8
					6- 7-55	17.1
					7-27-55	9.10
					8-31-55	9.24
					9-22-55	5.76
					10-18-55	11.3
					11-15-55	22.7
					7- 8-63	6.3
					10-17-63	3.64
4-1042.98	Indian Creek	Battle Creek	NE1/4 sec.29, T.1 N., R.5 W., at U.S. Highway 27 at Olivet, Mich.		5-26-64	7.46
4-1043.00	do	do	NW1/4 sec.20, T.1 N., R.5 W., at Messinger Highway, 1.0 mile northwest of Olivet, Mich.	48.7	6- 8-64	6.21
					8-19-64	2.37
					10- 6-64	4.08
					4-24-65	36.3
					5-19-65	11.6
					7-27-65	4.09
					5-25-66	39.6
					9-22-66	4.52
					8- 9-67	6.57
4-1049.50	Wanondaga Creek	do	SE1/4 sec.21, T.1 S., R.7 W., at Q Drive North Rd., 1.3 miles west of Pennfield, Mich.		10-17-64	8.28
4-1055.60	Kalamazoo River tributary No. 3	Kalamazoo River	NE1/4NE1/4 sec.18, T.2 S., R.8 W., at Territorial Rd., 4.4 miles southeast of Augusta, Mich.	5.51	6- 2-65	15.0
					7- 2-65	3.69
					7-28-65	3.19
					1- 4-66	.57
					4- 7-66	.76
					8-17-66	.01
					5- 8-67	2.11
					8- 8-67	.28
4-1055.70	do	do	NW1/4NW1/4 sec.8, T.2 S., R.8 W., at Reese Rd., 4.2 miles east of Augusta, Mich.	6.41	5- 8-65	2.84
					5-22-65	5.54
					7- 2-65	4.62
					7-28-65	4.26
					1- 4-66	1.69
					4- 7-66	1.69
					8-17-66	.29
					5- 8-67	3.15
					8- 8-67	.26
4-1056.50	Seven Mile Creek	do	SE1/4 sec.24, T.1 S., R.9 W., at 48th St., 3.6 miles northeast of Augusta, Mich.	14.4	2- 6-64	6.02
					4-16-64	5.80
					6- 2-64	4.44
					7-27-64	3.32
					9-15-64	4.29
					2-18-65	6.93
					8- 5-65	5.07
					10-19-65	6.11
					5- 5-66	9.54
					8-30-66	5.86
					5- 8-67	13.4

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Michigan--continued						
4-1056.65	Kalamazoo River tributary No. 4	Kalamazoo River	NW1/4NW1/4 sec.12, T.2 S., R.9 W., at Reese Rd., 2.2 miles southeast of Augusta, Mich.	4.14	3- 4-65	3.49
					5- 8-65	1.49
					5-22-65	.43
					7- 2-65	.16
					7-28-65	.05
					1- 4-66	5.25
					4- 7-66	7.41
					8-17-66	6.67
					5- 8-67	7.87
					8- 8-67	5.79
4-1056.70	do	do	SW1/4 sec.35, T.1 S., R.9 W., at Dickman Rd., 1.2 miles east of Augusta, Mich.	6.99	5- 8-65	9.84
					5-22-65	6.62
					7- 2-65	4.03
					7-28-65	4.19
					1- 4-66	8.63
					4- 7-66	9.52
					8-17-66	9.52
					5- 8-67	10.1
					8- 8-67	5.93
					4-1056.80	Augusta Creek
6- 2-64	5.36					
7-27-64	3.77					
9-15-64	4.74					
2-18-65	11.1					
8- 4-65	5.94					
10-19-65	8.98					
5- 5-66	17.7					
8-30-66	7.70					
5- 8-67	17.3					
9-30-68	11.0					
11-23-68	21.1					
3-17-69	18.6					
4-26-69	24.7					
10-11-69	30.0					
4-16-70	25.8					
4-1056.85	Hamilton Lake outlet	do	SE1/4 sec.3, T.1 S., R.9 W., at 44th St., 2.9 miles southeast of Hickory Corners, Mich.	7.69	7-27-64	.75
					10-19-65	2.79
					5- 8-67	4.58
4-1057.00	Augusta Creek	do	SW1/4 sec.27, T.1 S., R.9 W., at gaging station on EF Ave., 1.3 miles north of Augusta, Mich.	38.9	7-27-64	14.0
					10-19-65	22.7
					5- 8-67	41.3
4-1057.70	Gull Creek	do	NE1/4 sec.19, T.1 S., R.9 W., at DE Ave., 0.5 mile south of Yorkville, Mich.	28.9	7-27-64	.22
					10-18-65	3.17
					5- 9-67	.65
4-1057.80	do	do	NW1/4 sec.30, T.1 S., R.9 W., at Greer Drive, 1.3 miles south of Yorkville, Mich.	30.0	7-27-64	1.09
					10-18-65	5.28
					5- 9-67	7.30
4-1057.90	do	do	SE1/4 sec.31, T.1 S., R.9 W., at G Ave., at Howlandsburg, Mich.	35.7	7-27-64	1.52
					10-18-65	10.3
					5- 9-67	22.3
4-1058.00	do	do	NE1/4 sec.7, T.2 S., R.9 W., at gaging station on 37th St., 2.0 miles northeast of Galesburg, Mich.	38.1	10-18-65	11.7
					5- 9-67	21.7
4-1058.02	do	do	NE1/4 sec.18, T.2 S., R.9 W., at State Highway 96, 1.3 miles northeast of Galesburg, Mich.	39.9	7-27-64	.78
					10-18-65	7.31
					5- 9-67	22.0
4-1059.85	Comstock Creek	do	NW1/4 sec.9, T.2 S., R.10 W., Kalamazoo County, at H Ave., 2.8 miles northeast of Comstock, Mich.	14.8	12- 9-68	5.81
					12- 9-68	5.97
4-1059.90	do	do	Lat 42°18'10", long 85°30'16", in NW1/4 sec.17, T.2 S., R.10 W., Kalamazoo County, at E. Main St., 4.3 miles east of Kalamazoo, Mich.	18.3	2- 6-64	4.43
					4-16-64	4.80
					6- 2-64	1.99
					7-27-64	1.76
					9-14-64	2.44
					2-18-65	6.54
					8- 5-65	3.30
					10-19-65	4.54
					5- 5-66	8.27
					8-30-66	5.05
					5- 8-67	8.19
					9-30-68	5.85
					11-23-68	9.92
					3-18-69	11.4
					4-26-69	9.60
4-1060.20	Allen Creek	do	SE1/4 sec.36, T.2 S., R.11 W., at N Ave., 4.0 miles southeast of Kalamazoo, Mich.	11.2	9- 9-60	2.8
					7-27-64	1.15
					10-19-65	1.33
					5- 9-67	10.4

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Michigan--continued						
4-1060.50	Allen Creek	Kalamazoo River	SE1/4 sec.24, T.2 S., R.11 W., at Olmstead Rd., at Kalamazoo, Mich.	15.0	10-17-63	2.02
					2- 6-64	2.37
					4-16-64	4.36
					6- 2-64	3.25
					7-27-64	2.63
					9-15-64	2.24
					2-18-65	5.42
					8- 5-65	3.94
					10-19-65	3.62
					5- 4-66	9.81
					8-30-66	6.62
					5- 9-67	15.6
					4-1061.35	Portage Creek
4-1061.40	Portage Creek tributary	Portage Creek	Lat 42°11'12", long 85°37'52", in SE1/4 sec.19, T.3 S., R.11 W., Kalamazoo County, at R Ave., 2.2 miles southwest of Portage, Mich.	2.63	12- 1-59	2.34
					7-28-64	1.63
					8-18-64	1.56
					10-19-65	2.65
					5- 8-67	4.52
					9-30-68	2.73
					11-23-68	4.36
					3-18-69	4.55
					10-18-69	3.72
4-1061.60	Portage Creek	Kalamazoo River	SE1/4 sec.20, T.3 S., R.11 W., at Oakland Dr., 1.5 miles southwest of Portage, Mich.		12- 1-59	10.1
					8-18-64	6.39
4-1061.70	Portage Creek tributary No. 2	Portage Creek	NE1/4 sec.16, T.3 S., R.11 W., at Westnedge Ave., 0.5 mile north of Portage, Mich.	16.5	8-18-64	1.89
					10-21-64	1.95
					1- 7-65	2.61
					2-10-65	8.27
					4- 8-65	4.57
					6-11-65	3.10
					7-13-65	2.21
					8- 4-65	2.33
					9-23-65	3.67
4-1061.80	Portage Creek	Kalamazoo River	SE1/4 sec.16, T.3 S., R.11 W., at Westnedge Ave., 0.5 mile north of Portage, Mich.	16.8	12- 1-59	15.5
					10-17-63	10.8
					4-16-64	14.6
					6- 2-64	11.5
					7-28-64	8.83
					8-18-64	9.32
					9-15-64	10.9
					10-21-64	10.9
					2-19-65	15.6
					8- 5-65	12.8
					10-19-65	13.7
					5- 4-66	20.4
					8-30-66	14.7
5- 9-67	25.8					
4-1061.90	Portage Creek	do	NW1/4 sec.15, T.3 S., R.11 W., at gaging station on Garden Lane, 0.6 mile north of Portage, Mich.	18.6	10-19-65	15.0
4-1062.50	do	do	SE1/4 sec.3, T.3 S., R.11 W., at Milham Rd., 2.1 miles north of Portage, Mich.	21.3	5- 9-67	31.1
					12- 1-59	29.3
					7-28-64	22.9
					8-18-64	22.5
					11- 6-64	30.4
4-1062.75	do	do	SE1/4 sec.3, T.3 S., R.11 W., at Interstate Highway 94, 2.7 miles north of Portage, Mich.		10-19-65	35.9
					5- 9-67	42.1
					8-18-64	23.9
					11-10-59	29.1
					12- 1-59	30.8
4-1063.00	do	do	SE1/4 sec.34, T.2 S., R.11 W., at Lovers Lane just above confluence with W. Fk. Portage Creek at Kalamazoo, Mich.	22.6	7-28-64	18.6
					8-18-64	21.6
					9-14-64	20.6
					11-10-59	7.37
4-1063.20	West Fork Portage Creek	Portage Creek	SE1/4 sec.1, T.3 S., R.12 W., at 12th St., at Kalamazoo, Mich.	13.0	12- 1-59	7.33
					7-28-64	2.92
					8-18-64	4.06
					10-19-65	5.22
					5- 8-67	7.88
4-1063.30	do	do	SW1/4 sec.32, T.2 S., R.11 W., above creek from Asylum Lake at Kalamazoo, Mich.		11-10-59	8.68
					12- 1-59	8.28
4-1063.40	do	do	SE1/4 sec.32, T.2 S., R.11 W., at bridge on Angling Rd., at Kalamazoo, Mich.		11-10-59	8.34
					12- 1-59	7.98
4-1063.50	do	do	NW1/4 sec.4, T.3 S., R.11 W., at Morningside Drive, at Kalamazoo, Mich.		11-10-59	7.50
					12- 1-59	7.67
4-1064.20	do	do	SE1/4 sec.34, T.2 S., R.11 W., at mouth, at Lovers Lane, at Kalamazoo, Mich.	21.7	11-10-59	6.72
					12- 1-59	4.56
					7-28-64	.53
					8-18-64	.43
					9-15-64	.18
					10-19-65	3.33

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Michigan--continued						
4-1065.00	Portage Creek	Kalamazoo River	Lat 42°16'27", long 85°34'35", on a line between sec.22 & 27, T.2 S., R.11 W., Kalamazoo County, at Reed Street in Kalamazoo, Mich.	49.8	8-16-46 9-17-46 10- 8-46 11-21-46 12-17-46 1-28-47 2-19-47 3-12-47 8-20-47 9-16-47 10-29-47 11-20-47 12- 9-47 5- 9-68 5-17-68 5-29-68 6-14-68 7-12-68 7-26-68 8-23-68 7-19-70 9-17-70 9-17-70	42.3 33.8 43.6 51.4 55.2 58.2 45.9 71.1 58.4 64.3 57.0 59.0 73.6 45.2 53.2 66.2 36.0 41.8 63.7 39.3 47.5 46.5 53.1
4-1065.02	Portage Creek	do	Lat 42°17'40", long 85°34'52", in SE1/4 sec.15, T.2 S., R.11 W., Kalamazoo County, on Michigan Avenue in Kalamazoo, Mich.		8-16-46 9-17-46 10- 8-46 11-21-46 12-17-46 1-29-47 2-19-47 3-12-47 8-20-47 9-16-47 10-29-47 11- 2-47 12- 9-47 5-17-68 5-29-68 6-14-68 7-12-68 8-23-68 9-17-70 9-17-70 9-19-70	39.4 43.8 41.1 47.4 53.4 54.4 42.7 59.7 53.8 63.9 57.5 65.4 72.0 58.7 64.8 39.4 48.0 48.7 44.6 56.7 48.6
4-1065.03	Axtell Creek	Portage Creek	NE1/4 sec.28, T.2 S., R.11 W., at Maple St. Bridge, Kalamazoo, Mich.		8-16-46 9-17-46 10- 8-46 11-21-46 12-17-46 1-29-47 2-19-47 3-15-47 8-20-47 9-16-47 10-29-47 11-20-47 12- 9-47	.65 .56 .54 .57 .44 .44 .57 .70 .35 .83 .96 .88 .69
4-1065.05	do	do	SW1/4 sec.22, T.2 S., R.11 W., 50 ft above mouth in Upjohn Park, Kalamazoo, Mich.		8-16-46 9-16-47 10-29-47 11-20-47 12- 9-47	-1.28 .37 1.26 .65 1
4-1065.50	Limekiln Lake outlet	Kalamazoo River	SE1/4 sec.10, T.2 S., R.11 W., at mouth, at Kalamazoo, Mich.	2.58	7-28-64 10-18-65 5- 8-67	.15 .27 2.56
4-1067.20	Spring Brook	do	NE1/4 sec.8, T.1 S., R.10 W., at 27th St., 3.1 miles northwest of Richland, Mich.	20.5	7-28-64 10-19-65 5- 8-67	.58 .70 1.94
4-1067.30	do	do	Lat 42°23'01", long 85°31'03", in NW1/4SE1/4 sec.18, T.1 S., R.10 W., Kalamazoo County, at CD Ave., 3.0 miles west of Richland, Mich.	22.4	7-28-64 10-18-65 10-27-65 5- 8-67 9-24-68 11-23-68 3-17-69 4-26-69 10- 4-69 4-16-70	3.42 5.07 4.67 8.55 7.13 7.23 8.09 8.00 6.99 7.32

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Michigan--continued						
4-1067.50	Spring Brook	Kalamazoo River	Lat 42°21'24", long 85°33'05", in NW1/4 sec.25, T.1 S., R.11 W., Kalamazoo County, at Riverview Rd., 0.6 mile north of East Cooper, Mich.	31.1	8-25-42 2- 6-64 4-16-64 6- 2-64 7-28-64 9-15-64 2-18-65 8- 5-65 10-18-65 5- 5-66 8-30-66 5- 8-67 9-24-68 11-23-68 3-17-69 4-26-69 10- 4-69 4-16-70	19.2 11.1 12.4 10.0 9.70 9.62 11.4 11.5 12.3 15.7 12.4 19.2 16.8 16.3 20.0 18.3 17.9 18.3
4-1067.70	Kalamazoo River	Lake Michigan	Lat 42°22'35", long 85°34'47", in SE1/4 sec.15, T.1 S., R.11 W., Kalamazoo County, at D Ave., 1.5 miles east of Cooper Center and 5.5 miles north of center of Kalamazoo, Mich.	1,248	2-19-65 8- 4-65 10-18-65 7-21-66 8-30-66 5-24-68 9-24-68 7-24-69 10- 4-69 4-16-70	1,190 365 497 429 398 1,330 936 1,310 471 1,930
4-1067.75	Kalamazoo River tributary	Kalamazoo River	SW1/4SW1/4 sec.3, T.1 S., R.11 W., at 4th St., 3.8 miles southeast of Plainwell, Mich.		2- 6-64	.01
4-1067.80	Kalamazoo River tributary No. 2	do	NW1/4SW1/4 sec.3, T.1 S., R.11 W., at 4th St., 3.6 miles southeast of Plainwell, Mich.	1.19	2- 6-64 2-19-65	.87 1.14
4-1068.50	Silver Creek	do	NE1/4 sec.4, T.1 S., R.11 W., at 4th St., 3.3 miles southeast of Plainwell, Mich.	20.5	8-25-42 2- 7-64 4-16-64 6- 2-64 7-28-64 9-15-64 8- 4-65 10-19-65 5- 5-66 8-30-66 5- 8-67	14.0 7.97 8.36 7.09 5.60 6.16 6.84 7.99 14.1 6.80 13.8
4-1072.00	Gun Lake outlet	Gun River	Lat 42°35'23", long 85°32'25", in NW1/4 sec.6, T.2 N., R.10 W., Barry County, 2.8 miles northeast of Orangeville, Mich.	30	3-23-43 8-23-44 11-20-46 12-10-46 1-29-47 2-17-47 3-13-47 4- 9-47 4-17-47 4-29-47 5- 6-47 6-12-47 10- 7-47 1- 8-48 5- 7-48 5-28-48 9- 7-48 12-15-48 3-23-49 6-20-49 9-14-49 1-19-50 5- 3-50 7-20-50 10-26-50 1-18-51 7-12-51 10-10-51 1-10-52 6- 5-52 8-20-52 11- 6-52 2- 6-53 4- 8-53 7- 8-53 10- 9-53 2- 9-54 5- 5-54 6- 8-54 8-10-54 12-21-54 3-16-55 6- 8-55 8-17-55 10- 7-55 1-18-56 4-13-56	102 0 11.4 14.8 26.9 27.6 20.6 170 104 67.4 69.3 48.5 13.8 33.5 57.8 38.6 0 31.5 38.3 33.3 0 73.3 91.6 22.4 12.3 41.1 25.0 65.3 58.4 42.7 15.7 0 20.8 36.3 2.22 0 19.4 45.8 22.4 .16 31.4 46.6 35.3 0 0 16.8 67.8

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Michigan--continued						
4-1077.70	Pine Creek tributary	Pine Creek	NW1/4 sec.3, T.1 S., R.12 W., at Ravine Rd., 3.0 miles north of Alamo, Mich.	7.08	7-27-64 10-27-66 5- 8-67	0 .69 3.92
4-1084.00	Swan Creek	Kalamazoo River	SE1/4 sec.17, T.2 N., R.14 W., near Allegan, Mich.		10-27-45 4- 8-47	17.2 348
4-1085.95	Rabbit River	do	SE1/4 sec.2, T.3 N., R.12 W., 1 1/2 miles west of Wayland, Mich.		8-23-55	9.39
4-1086.20	Little Rabbit River	Rabbit River	NW1/4 sec.22, T.4 N., R.13 W., 1/2 mile south-east of Burnips, Mich.		7-26-68	21.3
4-1086.50	Rabbit River	Kalamazoo River	NW1/4 sec.10, T.3 N., R.15 W., near New Richmond, Mich.		4- 8-47	1,800
4-1086.60	Kalamazoo River	Lake Michigan	NW1/4 sec.17, T.3 N., R.15 W., at New Richmond, Mich.		4- 8-47	10,800
4-1088.10	Bosch and Hulst drain	Black River	SW1/4 sec.13, T.5 N., R.15 W., 1 mile west of Zeeland, Mich.		9- 9-60	1.21
4-1088.12	do	do	Sec.23, T.5 N., R.15 W., at bridge on State Highway 21, 1 mile southwest of Zeeland, Mich.		9- 9-60	2.69
4-1088.15	Black River	Lake Michigan	NW1/4 sec.26, T.5 N., R.15 W., near Holland, Mich.		12- 6-48	8.69
4-1088.90	Grand River	do	NE1/4 sec.4, T.5 S., R.1 W., at Vicary Rd., 1.5 miles northwest of Somerset Center, Mich.		9- 6-60	.24
4-1089.00	do	do	NE1/4 sec.35, T.3 S., R.1 W., at Draper Rd., 2.0 miles south of Vandercook, Mich.	41.0	10-19-60 7-10-63 8-13-63 9-19-63 10-16-63 6- 3-64 8-19-64 12-31-64 2-19-65 7-27-65	29.2 4.15 5.15 3.55 4.14 5.39 2.67 13.0 10.2 10.2
4-1089.40	Willow Creek	Grand River	On line between secs.8 and 9, T.3 S., R.1 E., at dam at Michigan Center, Mich.		7-10-63	.05
4-1089.45	Grand River	Lake Michigan	NW1/4 sec.12, T.3 S., R.1 W., at bridge on Losey St., in Jackson, Mich.		6-20-63	20.7
4-1089.50	do	do	NW1/4 sec.2, T.3 S., R.1 W., 550 ft upstream from bridge on Liberty St. at Jackson, Mich.		9- 5-62 9- 6-62	17.9 16.5
4-1089.51	do	do	NE1/4 sec.34, T.2 S., R.1 W., at bridge on North St. at Jackson, Mich.		6-15-62	40.8
4-1089.55	do	do	SE1/4 sec.34, T.2 S., R.1 W., at bridge on Mechanic St., in Jackson, Mich.		6-15-62 7- 2-62 7-20-62 9- 5-62 9- 6-62 9-18-62 9-19-62 9-21-62 6-19-63	39.5 26.3 27.9 18.4 18.6 36.0 34.7 32.0 28.7
4-1091.00	Grand River tributary	Grand River	NE1/4 sec.15, T.2 S., R.1 W., at bridge on Lansing Ave., 4 miles north of Jackson, Mich.		11-30-62	.37
4-1093.00	Portage Lake inlet	Portage River	SE1/4 sec.6, T.2 S., R.2 E., near Munith, Mich.		3-30-44 6- 9-44 7-27-44 8-30-44 8-30-44 10- 5-44 3- 9-45 4- 6-45 5-20-45 5-23-45 5-26-45 4- 9-46 5-17-46 9-13-46 3-21-47 4- 4-47 4-11-47 4-15-47 10-30-47 5-19-48 8-27-48 11-29-48 3-15-49 6-20-49 9-27-49	4.47 3.23 2.36 1.92 1.73 .32 2.98 3.45 3.98 4.05 4.45 3.27 7.07 1.45 3.78 6.40 8.73 2.78 5.31 4.49 1.95 2.42 2.19 2.53 2.03

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Michigan--continued						
4-1106.40	Grand River tributary	Grand River	SE1/4 sec.10, T.1 S., R.1 W., at bridge on Lansing Ave., 2 1/2 miles northeast of Rives Junction, Mich.		11-30-62	.01
4-1106.50	Huntoon Creek	do	SW1/4 sec.28, T.1 N., R.1 W., at Olds Rd., 1.1 miles southwest of Leslie, Mich.	11.2	8-17-55 6- 5-64 8-19-64 10- 6-64 4-24-65 5-19-65 7-29-65 5-25-66 9-22-66 8-10-67	1.47 1.64 1.08 1.45 11.8 4.70 1.54 9.17 2.51 2.32
4-1106.55	do	do	SW1/4 sec.4, T.1 S., R.1 W., at bridge on Territorial Rd., 2 1/4 miles north of Rives Junction, Mich.		7-19-62 11-30-62	1.97 3.95
4-1106.60	Grand River	Lake Michigan	NW1/4 sec.9, T.1 S., R.1 W., 400 ft upstream from bridge on Churchill Rd., 1 3/4 miles north-east of Rives Junction, Mich.		9-19-62 9-20-62 9-21-62	91.2 81.2 76.4
4-1106.70	Perry Creek	Grand River	SW1/4 sec.6, T.1 S., R.1 W., at bridge on Territorial Rd., 2 3/4 miles northwest of Rives Junction, Mich.		7-19-62 11-30-62	1.13 1.75
4-1106.75	Grand River	Lake Michigan	SE1/4 sec.12, T.1 S., R.2 W., at bridge on Rives Eaton Rd., 2 1/2 miles northwest of Rives Junction, Mich.		7-19-62 11-30-62	73.9 86.9
4-1106.76	do	do	SW1/4 sec.12, T.1 S., R.2 W., 100 ft upstream from bridge on New York Central R.R. 3 miles northeast of Tompkins Center, Mich.		9- 5-62 9- 6-62	47.6 48.8
4-1106.89	Sandstone Creek	Grand River	NE1/4 sec.12, T.3 S., R.2 W., at McCain Rd., 3 miles west of Jackson, Mich.		4-11-66 6- 1-66 9- 9-66 4- 6-67	17.1 8.2 5.22 33.8
4-1106.90	do	do	Lat 42°14'29", long 84°29'21", in SE1/4 sec.1, T.3 S., R.2 W., Jackson County, at O'brien Rd., 4.4 miles west of center of Jackson, Mich.	29.8	2- 5-66 2-26-66 4- 1-66 4-19-66 5-21-66 6-29-66 7-28-66 8-25-66 9-12-66 10- 1-66 8-10-67 10- 6-67 3- 6-68 5- 3-68 9- 3-68 11-29-68	6.76 7.78 17.6 9.38 18.0 10.9 4.32 6.52 5.35 5.49 7.83 8.83 15.2 12.6 12.0 31.6
4-1106.95	Sandstone Creek tributary	Sandstone Creek	SE1/4 sec.36, T.2 S., R.2 W., Jackson County, at O'brien Rd., 4.4 miles west of center of Jackson, Mich.	4.17	11-23-68	1.83
4-1106.96	Sandstone Creek	Grand River	NW1/4 sec.34, T.2 S., R.2 W., at Cuff Rd., 3 miles east of Parma, Mich.		4-11-66 6- 1-66 9- 9-66	41.2 11.2 6.32
4-1106.98	do	do	SW1/4 sec.16, T.2 S., R.2 W., at Benn Rd., 3.3 miles northeast of Parma, Mich.		4-11-66 6- 1-66 9- 9-66 4- 6-67	41.2 20.0 8.88 125
4-1107.00	Sandstone Creek	do	NE1/4 sec.21, T.1 S., R.2 W., at State Highway 50 at Tompkins Center, Mich.	91.2	8-16-55 9- 6-60 9-29-60 10-19-60 7-19-62 9- 5-62 9- 6-62 11-30-62 7-10-63 8-13-63 9-19-63 10-16-63 6- 4-64 8-19-64 12-31-64 2-19-65 7-27-65 4-11-66 6- 1-66 9- 9-66 4- 6-67	19.4 21.2 27.5 35.8 19.5 13.5 12.0 21.6 9.36 11.4 6.98 10.8 13.4 8.20 26.2 42.2 15.6 47.6 28.6 13.6 155

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Michigan--continued						
4-1107.10	Grand River	Lake Michigan	NW1/4 sec.15, T.1 S., R.2 W., at bridge on Tompkins Rd., 1 mile north of Tompkins Center, Mich.		11-30-62	117
4-1108.88	Spring Brook	Grand River	NE1/4 sec.9, T.2 S., R.3 W., 4 1/2 miles south-east of Springport, Mich.		8-14-64	.83
4-1109.00	do	do	N1/2 sec.8, T.1 N., R.3 W., at Spicerville Rd., 1.6 miles southwest of Eaton Rapids, Mich.	57.0	9- 6-60 9-29-60 10-17-60 7-10-63 8-13-63 9-19-63 10-16-63 6- 4-64 8-19-64 12-31-64 2-19-65 5-22-65 7-27-65	6.40 8.93 17.3 3.18 4.47 2.23 3.04 5.32 3.88 18.7 36.6 12.9 3.98
4-1109.10	Hobart Drain	Spring Brook	Lat 42°29'27", long 84°39'35", in NW1/4 sec.10, T.1 N., R.3 W., Eaton County, at State Highway 99, 1.2 miles south of Eaton Rapids, Mich.	2.80	9-15-65 11-27-65 1- 5-66 3-21-66 4-16-66 6-29-66 9-22-66 8- 9-67 10- 6-67 3- 6-68 5- 1-68 9- 3-68 11-23-68 3-12-69 10-18-69 4-25-70	.36 1.57 1.27 2.08 1.25 .65 .39 .39 .54 1.14 .04 1.16 1.74 1.18 .98 4.35
4-1110.55	Grand River	Lake Michigan	SW1/4 sec.21, T.4 N., R.2 W., at Moores Park Dam, in Lansing, Mich.		9-10-63	88.9
4-1111.40	Middle Branch Red Cedar River	Red Cedar River	SW1/4 sec.27, T.3 N., R.3 E., 2 1/2 miles south of Fowlerville, Mich.		10-18-60	3.97
4-1111.50	Red Cedar River	Grand River	NW1/4 sec.23, T.3 N., R.3 E., 1 mile south of Fowlerville, Mich.		10-18-60	5.57
4-1111.60	do	do	SE1/4 sec.15, T.3 N., R.3 E., 1 mile south of Fowlerville, Mich.		10- 6-60 10- 7-60	5.12 8.29
4-1112.00	do	do	NE1/4 sec.5, T.3 N., R.3 E., at Nicholson Rd., 2.6 miles northwest of Fowlerville, Mich.	71.2	10- 6-60 10- 7-60 10-18-60 7-10-63 8-14-63 9-19-63 10-16-63 3-23-64 6- 3-64 8-20-64 2-19-65 8- 3-65	9.63 9.54 11.8 5.52 5.34 4.01 4.01 17.7 6.92 3.96 22.0 3.45
4-1113.00	Kalamink Creek	Red Cedar River	SW1/4 sec.2, T.3 N., R.2 E., at Pardee Rd., 0.5 mile north of Webberville, Mich.	16.5	6- 8-64 8-20-64 10- 5-64 2-19-65 5-29-65 8-11-65 5-24-66 9-21-66 8-10-67	2.03 1.34 1.23 3.34 3.21 1.09 8.76 1.75 1.82
4-1113.50	Wolf Creek	do	SW1/4 sec.35, T.4 N., R.2 E., at bridge on Allen Rd., 1 1/2 miles north of Webberville, Mich.		7-10-63	.40
4-1113.79	Red Cedar River	Grand River	NE1/4 sec.5, T.3 N., R.2 E., 300 ft below highway bridge, 1/2 mile above Doan Creek, and 3 miles east of Williamston, Mich.		9-13-55	12.2
4-1113.80	do	do	N1/2 sec.4, T.3 N., R.2 E., at bridge on State Highway 47, 3 1/2 miles east of Williamston, Mich.		7- 8-63	15.6

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Michigan--continued						
4-1114.00	Squaw Creek	Red Cedar River	NW1/4 sec.32, T.4 N., R.2 E., at Rowley Rd., 2.2 miles east of Williamston, Mich.	6.08	6- 5-64 8-20-64 10- 5-64 2-19-65 5-29-65 8-11-65 5-24-66 9-21-66 8-10-67	.26 .004 .08 2.51 .31 0 1.74 .06 .10
4-1114.10	Doan Creek	do	NW1/4 sec.8, T.3 N., R.2 E., at Linn Rd., 2.3 miles southeast of Williamston, Mich.	54.8	9-13-55 6- 5-64 8-20-64 10- 5-64 2-19-65 5-22-65 8-11-65 5-24-66 9-21-66 8-10-67	2.20 3.83 2.38 2.15 17.4 9.77 2.50 26.8 4.00 4.11
4-1116.10	Red Cedar River tributary	do	SE1/4 sec.26, T.4 N., R.1 E., at Williamston Rd., 1.1 mile north of Williamston, Mich.	1.20	9-13-65 9- 4-67	.19 .47
4-1116.11	do	do	SE1/4 sec.35, T.4 N., R.1 E., at Rowley Rd., at Williamston, Mich.	1.73	9-13-65 9- 4-67	.23 .55
4-1116.30	Coon Creek	do	NW1/4 sec.26, T.4 N., R.1 E., at Sherwood Rd., 2.0 miles north of Williamston, Mich.	4.79	9-13-65	.37
4-1124.00	Red Cedar River	Grand River	SE1/4 sec.21, T.4 N., R.1 W., 200 ft above highway bridge, 1/4 mile south of Okemos, Mich.		9-13-55	7.80
4-1124.15	Lake Lansing outlet	Red Cedar River	Center sec.3, T.4 N., R.1 W., near Haslett, Mich.		4-24-47 4- 4-48 4- 4-48 2-13-48 6- 8-48 8-23-48 12- 2-48 3-29-49 6-23-49 6-24-49 9-28-49 9- 8-50	13.0 1.58 1.87 1.02 .95 0 0 4.35 .90 .77 0 .68
4-1126.92	Sycamore Creek	do	SE1/4 sec.5, T.2 N., R.1 W., at Mason, Mich.		3- 3-53	9.89
4-1127.00	do	do	NE1/4 sec.31, T.3 N., R.1 W., at Harper Rd., 2.6 miles northwest of Mason, Mich.	39.5	8-16-55 6- 5-64 10- 5-64 4-24-65 5-22-65 7-27-65 5-25-66 8-19-66 8-10-67	3.91 4.05 3.41 23.1 7.71 2.03 21.1 6.16 4.20
4-1128.00	Mud Creek	Sycamore Creek	NW1/4 sec.29, T.3 N., R.1 W., at Phillips Rd., 3.3 miles north of Mason, Mich.	30.8	8-16-55 6- 5-64 10- 5-64 4-24-65 5-22-65 7-29-65 5-25-66 8-19-66 8-10-67	1.98 1.61 1.15 21.4 4.05 .50 11.3 3.47 1.98
4-1129.00	Sycamore Creek	Red Cedar River	SE1/4 sec.34, T.4 N., R.2 W., at Aurelius Rd. in Lansing, Mich.	96.2	8-14-63 9-19-63 10-16-63 3-23-64 6- 3-64 9- 4-64 2-10-65 2-19-65 7-29-65	5.66 4.46 4.72 14.0 9.65 5.14 578 62.7 3.53
4-1129.06	do	do	NW1/4 sec.34, T.4 N., R.2 W., 500 ft north of Cavanaugh Rd. in Lansing, Mich.		6- 3-66	25.1
4-1129.08	do	do	SE1/4 sec.27, T.4 N., R.2 W., 3/4 mile north of Cavanaugh Rd. in Lansing, Mich.		6- 3-66	27.4
4-1131.00	Carrier Creek	Grand River	SW1/4 sec.3, T.4 N., R.3 W., at Willow Highway at Delta Mills, 100 ft upstream from mouth.	11.4	8-17-60 3-21-66 4-30-66 6-29-66 7-29-66 9-19-66 10-29-66 8- 7-67	.41 8.31 20.5 .93 .40 .10 .50 .26

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Michigan--continued						
4-1132.50	Sandstone Creek	Grand River	SW1/4 sec.2, T.4 N., R.4 W., in Fitzgerald Park at Grand Ledge, 500 ft upstream from mouth.	12.0	3-29-66 4-30-66 7-29-66 9-20-66 10-29-66 8- 7-67	8.94 25.4 .43 .16 .10 .38
4-1139.75	Frayer Creek	do	SE1/4 sec.26, T.5 N., R.5 W., Ionia County, at Tupper Lake Rd., 2.4 miles north of Mulliken, Mich.	11.3	9-15-65 11-27-65 1- 4-66 9-20-66 8- 8-67 10- 5-67 3- 6-68 4-29-68 9- 6-68 11- 2-68 3-12-69 4-26-69	.02 2.17 7.96 .10 .37 .12 .95 4.38 4.21 .64 3.36 8.98
4-1142.00	Lookingglass River	do	SE1/4 sec.34, T.6 N., R.1 E., at Colby Lake Rd., 2.4 miles southeast of Laingsburg, Mich.	88.0	7-10-63 8-14-63 9-19-63 10-16-63 6- 4-64 7- 1-64 8-20-64 4-28-65 7-29-65	3.09 2.97 1.91 2.20 6.79 5.68 2.08 66.5 2.27
4-1142.02	Diversion from Lookingglass River	do	SE1/4 sec.4, T.5 N., R.1 E., 2 1/2 miles south of Laingsburg, Mich.		7- 1-64	4.09
4-1142.03	Lookingglass River	do	NE1/4 sec.4, T.5 N., R.1 E., at bridge on Woodbury Rd. 2 1/2 miles south of Laingsburg, Mich.		7- 1-64	1.48
4-1144.00	do	do	NE1/4 sec.8, T.5 N., R.2 W., at Bridge St., at DeWitt, Mich.	234	8-14-61 9- 8-61 10-12-61 3-29-62 6- 2-62 8-16-62 11-10-62 4- 2-63 7-25-63 6- 5-64 8-20-64 10- 5-64 4-28-65 8-11-65 5-26-66 9-21-66 10-29-66 8-11-67	27.0 32.2 23.2 736 32.2 9.62 18.5 244 11.4 19.4 6.41 10.7 256 6.34 143 12.8 12.8 26.0
4-1145.70	Bear Creek	Maple River	Lat 42°59'05", long 84°19'07", in SW1/4 sec.23, T.7 N., R.1 E., Shiawassee County, at Krause Rd., 2.5 miles southeast of Ovid, Mich.	29.5	4-21-65 5- 8-65 5-22-65 7- 1-65 7-29-65 8-24-65 9-14-65 10-22-65 11-26-65 1- 3-66 3-29-66 4-25-66 5-24-66 6-28-66 8- 9-66 10-29-66 1- 5-67 7-18-67 9- 4-67 10- 4-67 3- 6-68 5- 1-68 9- 4-68 10-26-68 3- 6-69	29.8 6.86 2.46 1.18 .55 .53 1.04 3.33 3.20 42.8 23.8 16.0 9.89 2.12 1.61 1.14 8.25 5.03 2.80 3.18 9.08 10.7 2.88 3.70 8.57
4-1145.80	Maple River	Grand River	SE1/4 sec.11, T.7 N., R.1 W., at Hollister Rd., 0.8 mile west of Ovid, Mich.	91.8	9-15-60 9-27-62 6- 5-64 8-18-64 10- 5-64 2-20-65 7- 1-65 8-11-65 5-24-66 9-21-66 10-29-66 8-11-67	8.63 6.25 8.04 5.61 5.96 36.8 6.86 4.62 35.3 4.94 6.38 11.1

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Michigan--continued						
4-1145.97	Baker Creek	Maple River	SW1/4 sec.14, T.8 N., R.1 W., 1/2 mile from mouth and 1 mile southwest of Elsie, Mich.		10-25-63	.73
4-1146.00	Maple River	Grand River	NW1/4 sec.11, T.8 N., R.1 W., at Upton Rd., 0.8 mile northwest of Elsie, Mich.	205	7-10-63 8-14-63 9-19-63 10-16-63 6- 3-64 8-18-64 2-20-65 7-29-65	10.8 12.3 12.4 9.33 23.7 12.4 91.0 10.0
4-1147.00	Bear Creek	Maple River	Lat 43°09'55", long 84°28'40", in SW1/4 sec.18, T.9 N., R.1 W., Gratiot County, at Arnold Rd., 1.5 miles south of Ashley, Mich.		10-28-69	.69
4-1149.00	Pine Creek	do	SW1/4 sec.9, T.9 N., R.3 W., at State Highway 57, 0.5 mile southeast of Perrinton, Mich.	63.0	8-24-55 5-30-58 9-15-60 9-28-60 10-24-60 7- 9-63 8-13-63 9-19-63 10-16-63 6- 3-64 8-18-64 2-20-65 8- 6-65	2.25 3.29 3.33 2.65 2.74 1.5 3.87 3.26 2.42 8.75 3.16 59.6 1.58
4-1150.96	Hayworth Creek	do	NW1/4 sec.18, T.8 N., R.3 W., 1 1/2 miles southwest of Maple Rapids, Mich.		9-15-60 9-28-60	11.5 12.7
4-1151.00	do	do	SW1/4 sec.7, T.8 N., R.3 W., at Island Rd., 1.2 miles southwest of Maple Rapids, Mich.	90.2	7-10-63 8-14-63 9-19-63 10-16-63 6- 3-64 8-18-64 2-20-65 8- 6-65	4.19 7.32 6.29 5.00 12.1 6.36 42.6 4.92
4-1153.00	Fish Creek	do	W1/2 sec.21, T.10 N., R.5 W., at Crystal Rd., 1.5 miles south of Crystal, Mich.	92.8	7-10-63 8-13-63 9-19-63 10-16-63 6- 3-64 8-18-64 2-20-65 8- 6-65	16.0 22.9 27.1 23.5 33.6 21.0 113 19.3
4-1155.15	Fish Creek	do	SE1/4 sec.23, T.9 N., R.5 W., 2 miles south of Carson City, Mich.	145	8-19-55 9-28-60 10-24-60	37.1 44.8 45.6
4-1156.00	do	do	NE1/4 sec.36, T.9 N., R.5 W., at Jenks Rd., 2.5 miles north of Hubbardston, Mich.	157	8-13-63 9-19-63 10-16-63 6- 3-64 8-18-64 4-24-65 8- 6-65	32.7 34.7 33.0 59.8 27.2 280 29.8
4-1157.00	Stony Creek	do	SE1/4 sec.26, T.7 N., R.3 W., at Grove Rd., 4.2 miles southwest of St. Johns, Mich.	57.9	6- 5-64 8-18-64 10- 5-64 2-20-65 5-29-65 8- 6-65 5-26-66 9-21-66 10-29-66 8-11-67	6.40 3.52 3.09 20.7 7.91 2.54 21.6 3.60 3.56 5.60
4-1157.60	Muskrat Creek	Stony Creek	SE1/4 sec.31, T.7 N., R.3 W., at Center Line Rd., 2.5 miles northwest of Riley, Mich.	37.2	9-15-60 6- 5-64 8-18-64 10- 5-64 2-20-65 7- 1-65 8- 6-65 5-26-66 9-20-66 10-29-66 8-11-67	2.83 3.20 2.12 2.28 14.2 2.58 1.83 11.0 2.34 2.28 3.14
4-1158.00	Stony Creek	Maple River	NE1/4 sec.24, T.7 N., R.5 W., at Hubbardston Rd., 0.9 mile south of Pewamo, Mich.	175	7-10-63 8-13-63 9-19-63 10-16-63 6- 3-64 8-20-64 2-19-65 7-30-65	7.93 12.8 9.06 8.44 18.8 11.4 98.1 8.51

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Michigan--continued						
4-1168.10	Lacey Creek	Thornapple River	SE1/4 sec.25, T.3 N., R.6 W., at Lamie Highway 3.4 miles southeast of Vermontville, Mich.	23.7	8-18-55 9- 9-64	2.43 1.92
4-1168.20	Hayon Creek	Shanty Brook	SW1/4 sec.10, T.2 N., R.6 W., at State Highway 79, 2.0 miles north of Kalamo, Mich.	5.25	9- 9-64	.08
4-1168.22	Shanty Brook	Thornapple River	SE1/4 sec.4, T.2 N., R.6 W., 3 miles south of Vermontville, Mich.		8-18-55	1.04
4-1168.30	do	do	NW1/4 sec.33, T.3 N., R.6 W., at Nashville Highway, 1.0 mile south of Vermontville, Mich.	17.4	9- 9-64	1.54
4-1169.00	Scipio Creek	do	SE1/4 sec.19, T.3 N., R.6 W., at Scipio Highway, 1.8 miles west of Vermontville, Mich.	9.33	9- 9-64	.97
4-1170.00	Quaker Brook	do	NW1/4 sec.13, T.2 N., R.7 W., at gaging station at Clark Rd., 2.5 miles south of Nashville, Mich.	7.60	9- 9-64	1.04
4-1171.00	Mud Creek	do	SE1/4 sec.23, T.4 N., R.7 W., at Barnum Rd., 2.0 miles southeast of Woodland, Mich.	27.5	9- 9-64	2.33
4-1172.00	do	do	SW1/4 sec.3, T.3 N., R.7 W., at Bayne Rd., 4.0 miles south of Woodland, Mich.	45.6	9- 9-64	4.16
4-1173.00	High Bank Creek	do	NE1/4 sec.30, T.3 N., R.7 W., at Thornapple Lake Rd., at Morgan, Mich.	33.9	9- 9-64	3.58
4-1174.00	Cedar Creek	do	SW1/4 sec.9, T.2 N., R.8 W., at State Highway 37, 3.3 miles north of Dowling, Mich.	24.9	9- 9-64	14.5
4-1174.50	do	do	NE1/4 sec.34, T.3 N., R.8 W., at State Highway 79, 0.3 mile west of Quimby, Mich.	42.0	9- 9-64	16.4
4-1175.00	Thornapple River	Grand River	Sec.27, T.3 N., R.8 W., at gaging station at McKeown Rd., 3.5 miles southeast of Hastings, Mich.	385	9- 9-64	47.5
4-1175.40	Wall Lake outlet	Thornapple River	SE1/4 sec.28, T.2 N., R.9 W., 1,000 ft below Wall Lake near Delton, Mich.		2- 8-51	.03
4-1175.50	Fall Creek	do	NW1/4 sec.12, T.2 N., R.9 W., at Schultz Rd., 1.0 mile east of Schultz, Mich.	4.84	9- 9-64	.01
4-1175.70	do	do	NE1/4 sec.36, T.3 N., R.9 W., at Cook Rd., 3.0 miles southwest of Hastings, Mich.	26.1	9- 9-64	0
4-1175.75	Fall Creek	do	SW1/4 sec.18, T.3 N., R.8 W., at Hastings, Mich.		1-15-54 7-13-54	1.22 1.62
4-1175.76	do	do	NE1/4 sec.13, T.3 N., R.9 W., 1 mile west of Hastings, Mich.		1-15-54 7-13-54	1.01 1.76
4-1176.00	Thornapple River	Grand River	SW1/4 sec.31, T.4 N., R.9 W., at Irving Rd., 0.4 mile west of Irving, Mich.	500	9- 9-64	72.8
4-1177.00	Glass Creek	Thornapple River	W1/2 sec.1, T.3 N., R.10 W., at State Highway 37, 1.5 miles southwest of Irving, Mich.	39.3	9- 9-64	4.24
4-1177.20	Bassett Creek	do	NE1/4 sec.23, T.3 N., R.10 W., at Metz Rd., 5.0 miles south of Middleville, Mich.	6.56	9- 9-64	.97
4-1177.50	do	do	NW1/4 sec.35, T.4 N., R.10 W., at State Highway 37, 1.5 miles south of Middleville, Mich.	12.4	9- 9-64	4.13
4-1177.80	Duncan Creek	do	SW1/4 sec.15, T.4 N., R.10 W., at State Highway 37, 1.5 miles northwest of Middleville, Mich.	23.5	9- 9-64	3.38

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Michigan--continued						
4-1183.50	Rogue River	Grand River	Lat 43°15'50", long 85°42'00", in a line between sec.11 and 14, T.10 N., R.12 W., Kent County, at 20 Mile Road, 4.0 miles northeast of Kent City, Mich.		10- 6-69	16.4
4-1183.55	do	do	Lat 43°14'05", long 85°41'50", on a line between sec.23 & 26, T.10 N., R.12 W., Kent County, at 18 Mile Road, 2.9 miles east of Kent City, Mich.		10- 6-69	22.1
4-1183.60	do	do	Lat 43°11'45", long 85°41'05", in SW1/4NW1/4 sec.1, T.9 N., R.12 W., Kent County, at Indian Lakes Road, 2.6 miles north of Sparta, Mich.		10- 6-69	37.1
4-1184.00	Rogue River	do	NW1/4 sec.24, T.9 N., R.12 W., at 13 Mile Rd., 1.1 miles east of Sparta, Mich.	155	9-19-63 10-16-63 6- 3-64 8-19-64 4-24-65 7-29-65	49.2 47.7 57.2 29.1 211 38.2
4-1184.02	do	do	Lat 43°09'40", long 85°41'05", SW1/4 sec.24, T.9 N., R.12 W., Kent County, at Alpine Ave., 1.5 miles southeast of Sparta, Mich.	209	5- 5-64 5-14-64 6- 9-64 6-12-64 7- 6-64 7-22-64 8- 4-64 8- 5-64 8-12-64 8-19-64 8-28-64 9- 9-64 9-17-64 9-22-64 10- 2-64 10- 9-64 10-15-64 11- 2-64 11- 3-64 10- 6-69	296 244 89.1 86.3 73.4 68.6 60.2 60.8 69.2 55.8 75.4 59.4 63.4 108 97.1 91.6 82.7 84.3 104 43.0
4-1184.04	Rogue River tributary	Rogue River	NE1/4 sec.25, T.9 N., R.11 W., at U.S. Highway 131, 3/4 mile north of Rockford, Mich.		8- 4-64 8- 5-64	2.72 2.97
4-1184.10	Rogue River	Grand River	Lat 43°07'25", long 85°39'05", on line between sec.31 and 32, T.9 N., R.11 W., Kent County, at Pine Island Drive, 1.5 miles northeast of Englishville, Mich.		7- 9-63 10- 6-69 10- 6-69	38.2 46.1 46.5
4-1184.15	do	do	NW1/4 sec.33, T.9 N., R.11 W., at bridge on Grange Ave., near Sparta, Mich.		8-14-63	52.2
4-1184.30	Cedar Creek	Rogue River	SE1/4 sec.25, T.10 N., R.11 W., at bridge on Cherry St., at Cedar Springs, Mich.		8-24-55 5-27-58 7- 9-63	.84 3.01 1.6
4-1184.65	Rogue River	Grand River	Lat 43°08'48", long 85°33'55", in SW1/4 sec.24, T.9 N., R.11 W., Kent County, at 12 Mile Rd., 7.5 miles east southeast of Sparta, Mich.		8-30-51 10- 6-69	83.7 77.1
4-1184.83	Rum Creek	Rogue River	SE1/4 sec.36, T.9 N., R.11 W., at Monroe St., in Rockford, Mich.		8- 4-64 8- 5-64	2.65 2.60
4-1184.87	Barclay Creek	do	SE1/4 sec.1, T.8 N., R.11 W., at bridge on Northland Drive, 1 mile south of Rockford, Mich.		8- 4-64 8- 5-64	.96 .94
4-1184.90	Rogue River	Grand River	NW1/4 sec.1, T.8 N., R.11 W., at bridge on Jerico Rd. 1/2 mile south of Rockford, Mich.		7-22-64 8- 4-64 8- 5-64 9-16-64 9-17-64	79.0 69.9 67.7 74.4 77.7
4-1185.09	do	do	NE1/4 sec.22, T.8 N., R.11 W., at bridge on Rogue River Rd. 4 miles southwest of Rockford, Mich.		9-15-64	78.6
4-1185.10	do	do	NE1/4 sec.22, T.8 N., R.11 W., at bridge on West River Drive, 4 miles southwest of Rockford, Mich.		9-14-64	81.7
4-1185.50	Mill Creek	do	NW1/4SW1/4 sec.31, T.8 N., R.11 W., at Comstock Park near Grand Rapids, Mich.	19.7	4-21-52 5- 6-52 6-24-52 9- 9-52 10-15-52 12-12-52	18.0 10.9 8.86 9.27 7.50 11.4

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Michigan--continued						
4-1189.85	Indian Creek	Grand River	SW1/4SE1/4 sec.10, T.7 N., R.12 W., at Walker Drive at Grand Rapids, Mich.	13.0	4-21-52	9.09
					5- 6-52	6.15
					6-24-52	3.83
					9- 9-52	4.36
					10-15-52	3.87
					12-12-52	5.16
					9- 9-60	3.22
4-1189.86	do	do	NE1/4NE1/4 sec.14, T.7 N., R.12 W., at State Highway 37 at Grand Rapids, Mich.	16.5	4-21-52	12.6
					5- 6-52	9.16
					9- 9-52	6.66
					10-15-52	6.23
					12- 2-52	9.44
4-1189.90	do	do	Lat 42°59'40", long 85°40'40", in NE1/4 sec.13, T.7 N., R.12 W., Kent County, at Turner Ave., in Grand Rapids, Mich.		8-25-70	6.78
					8-26-70	6.41
					8-27-70	6.28
4-1190.50	Plaster Creek	do	SE1/4SE1/4 sec.17, T.6 N., R.11 W., at Kalamazoo St., near Grand Rapids, Mich.	43.9	4-21-52	24.2
					5- 5-52	8.67
					9- 8-52	4.02
					10-14-52	3.11
					12- 1-52	10.2
4-1190.60	do	do	SE1/4 sec.12, T.6 N., R.12 W., at bridge on Buchanan St., at Grand Rapids, Mich.	48.0	4-21-52	25.1
					5- 5-52	12.5
					6-24-52	9.95
					9- 8-52	7.99
					10-14-52	5.72
					12- 1-52	15.1
					8-23-55	4.51
4-1190.65	do	do	Lat 42°56'55", long 85°41'55", in NE1/4SW1/4 sec.35, T.7 N., R.12 W., Kent County, at Market Avenue in Grand Rapids, Mich.		8-21-62	13.1
					8-22-62	13.2
					8-25-70	23.0
					8-26-70	21.8
					8-27-70	22.6
4-1190.70	Grand River	Lake Michigan	SE1/4 sec.7, T.6 N., R.12 W., at bridge on State Highway 11 at Grandville, Mich.		7-20-62	1,030
					8-21-62	1,010
					8-22-62	1,020
4-1191.40	Unnamed stream	Buck Creek	NE1/4NW1/4 sec.36, T.6 N., R.12 W., at Fisher Station, near Grand Rapids, Mich.	6.4	4-21-52	6.96
					5- 5-52	3.64
					9- 8-52	1.34
					10-14-52	.91
					12- 1-52	2.13
4-1191.45	Buck Creek	Grand River	SW1/4SW1/4 sec.25, T.6 N., R.12 W., at Clyde Park Ave., near Grand Rapids, Mich.	40.0	4-21-52	39.2
					5- 5-52	23.4
					9- 8-52	12.5
					10-14-52	12.1
					12- 1-52	21.1
4-1191.55	do	do	NE1/4SE1/4 sec.21, T.6 N., R.12 W., at Byron Center Ave., near Grand Rapids, Mich.	44.2	4-21-52	38.7
					5- 6-52	28.9
					6-24-52	21.9
					9- 8-52	16.6
					10-14-52	15.1
					12- 2-52	24.9
4-1191.60	do	do	NW1/4 sec.18, T.6 N., R.12 W., at bridge on State Highway 21 at Grandville, Mich.		8-21-62	12.6
4-1192.20	Rush Creek	do	SW1/4 sec.13, T.6 N., R.13 W., at bridge on State Highway 21 at Jenison, Mich.		8-30-60	17.8
					8-21-62	11.1
4-1192.21	do	do	On line between sec.13, T.6 N., R.13 W., and sec.18, T.6 N., R.12 W., at Jenison, Mich.	61.4	5- 6-52	31.7
					9- 8-52	23.6
					10-14-52	19.0
					12- 2-52	30.8
4-1192.50	Sand Creek	do	NW1/4 sec.27, T.7 N., R.13 W., at State Highway 50, 6 miles west of Grand Rapids, Mich.		12- 2-52	27.0
					7-14-54	17.6
					8-12-54	11.6
					10-13-55	46.7
					8-31-60	13.2
4-1193.00	Grand River	Lake Michigan	Lat 43°00'55", long 85°47'20", in NW1/4 sec.10, T.7 N., R.14 W., Ottawa County, 0.1 mile south of Eastmanville, Mich.		6- 2-70	6,330
					6- 8-70	4,410
					6-10-70	3,620
					8-26-70	1,590
					8-27-70	1,240
4-1201.00	Crockery Creek	Grand River	SW1/4 sec.23, T.8 N., R.15 W., at Fitzgerald St., 1.2 miles southeast of Nunica, Mich.	126	7-11-63	16.7
					8-14-63	21.9
					9-19-63	20.9
					10-16-63	20.2
					6- 3-64	31.7
					8-19-64	12.2
					4-24-65	153
					7-29-65	18.5
4-1203.00	Black Creek	do	Lat 43°11'50", long 86°11'10", in sec.3, T.9, N., R.16 W., Muskegon County, at Black Lake Road, 4 miles southeast of Muskegon, Mich.		1-16-52	162
					2-19-52	57.2
					6- 8-70	59.2

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Michigan--continued						
4-1203.10	Unnamed stream	Black Creek	NW1/4 sec.10, T.9 N., R.16 W., Muskegon County, 1 1/2 miles southeast of Muskegon, Mich.		1-16-52 2-19-52	6.20 2.06
4-1203.20	Little Black Creek	Mona Lake	On line between secs.7 and 8, T.9 N., R.16 W., Muskegon County, 1/2 mile south of Muskegon, Mich.		1-16-52 2-19-52	17.3 11.8
4-1205.50	Backus Creek	Houghton Lake	N1/2 sec.5, T.22 N., R.2 W., Roscommon County, 4 miles northeast of Prudenville, Mich.	4	4-10-44 4-24-44 10- 3-44 4-10-45 11- 1-45 1-28-46 3-27-46 7-17-46 9-30-46 12- 6-46 4- 8-47 7-10-47 9-30-47 12-22-47 4-12-48 8- 9-48 10-19-48 12-27-48 4- 7-49 4- 7-49 8-15-49 10-31-49 12-12-49 4- 6-50 4-27-50 7-20-50 10-27-50 1-17-51 4- 4-51 7-31-51 10-25-51 1-25-52 4-16-52 7-25-52 10-27-52 1-16-53 4-24-53 10-12-53 1-20-54 4-21-54 7-13-54 10-11-54 1-27-55 4-21-55 7-11-55 10-11-55 1-25-56 4-12-56 7-24-56 10- 9-56 1-23-57 4-29-57 7-11-57 10- 4-57 4- 3-58 7-16-58 9-10-53	21.7 44.1 2.67 13.8 6.32 5.88 55.5 .01 .09 1.07 49.5 1.14 2.62 9.00 57.6 .10 0 .58 48.3 45.5 0 0 0 117 45.3 6.25 .79 8.50 82.4 2.28 23.9 25.6 105 36.5 .10 12.5 32.9 .10 3.67 51.5 3.40 31.3 7.14 38.9 0 0 2.36 96.9 8.67 1.44 9.64 36.0 139 0 18.8 1.35 70.8
4-1207.60	Muskegon River	Lake Michigan	W1/2 sec.10, T.23 N., R.4 W., at U.S. Highway 27, 5 1/2 miles north of The Heights, Mich.		9-10-53	0
4-1207.65	Dead stream	Muskegon River	SW1/4 sec.5, T.23 N., R.4 W., 7 miles north-west of The Heights, Mich.		9-10-53	0
4-1208.00	Muskegon River	Lake Michigan	NE1/4 sec.25, T.23 N., R.5 W., at Reedsburg Dam, near Houghton Lake, Mich.	305	4- 3-53 4-23-53 10-20-53 1-21-54 5-19-54 7-13-54 7-27-55 10-12-55 7- 9-63	74.2 414 93.5 123 226 230 83.4 41.8 170
4-1210.05	Bear Creek	Muskegon River	NW1/4 sec.7, T.21 N., R.4 W., 7 miles south-west of Houghton Lake, Mich.		8-27-53 10-22-54 1- 7-54 4-29-54 7-13-54 10-11-54 4-21-55 7-25-55 10-24-55 1-11-56	43.5 .01 9.18 64.4 7.07 23.4 38.4 .49 6.12 5.20

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Michigan--continued						
4-1211.50	South Branch Townline Creek	Townline Creek	Sec.10, T.20 N., R.4 W., 8 miles north of Harrison, Mich.		9-20-60	2.05
4-1211.55	Townline Creek	Muskegon River	Sec.31, T.21 N., R.4 W., 11 miles north of Harrison, Mich.		9-20-60	11.2
4-1211.85	Mitchell Creek	Clam River	Lat 44°13'45", long 85°32'45", in SE1/4 sec.8, T.21 N., R.10 W., Wexford County, at Pole Road, 8.7 miles northeast of Hoxeyville, Mich.		4-15-70 8-26-70	11.7 1.75
4-1211.90	Brandy Creek	do	Lat 44°15'15", long 85°30'05", in SE1/4 sec.34, T.22 N., R.10 W., Wexford County, 5 miles west of Cadillac, Mich.		4-15-70	17.6
4-1211.95	Cyttja Lake outlet	do	Lat 44°16'05", long 85°29'25", in sec.26, T.22 N., R.10 W., Wexford County, 4 miles west of Cadillac, Mich.		4-15-70 8-26-70	15.4 .20
4-1212.05	Clam River	Muskegon River	SE1/4 sec.22, T.22 N., R.9 W., below Airport Road, near Cadillac, Mich.		5-16-46	1.42
4-1212.06	do	do	SW1/4 sec.23, T.22 N., R.9 W., below Airport Road, near Cadillac, Mich.		5-16-46	1.06
4-1212.07	do	do	NW1/4 sec.24, T.22 N., R.9 W., below Airport Road, near Cadillac, Mich.		5-16-46	1.24
4-1212.08	do	do	SE1/4 sec.24, T.22 N., R.9 W., 300 feet above county line road bridge, near Cadillac, Mich.		5-16-46	3.10
4-1212.30	do	do	Lat 44°15'05", long 85°24'45", in SW1/4 sec.33, T.22 N., R.9 W., Wexford County, in Cadillac, Mich.		4-15-70	50.5
4-1212.35	Lake Cadillac outlet	Clam River	Lat 44°15'15", long 85°24'35", in sec.33, T.22 N., R.9 W., Wexford County, at the outlet of Cadillac Lake at Cadillac, Mich.		8-26-70	.58
4-1212.50	Clam River	Muskegon River	Sec.21, T.22 N., R.8 W., near Jennings, Mich.		3-12-45 8-31-45 4-22-46 5-16-46 7- 8-46 8- 5-46 9-17-46 10- 7-46 11-13-46 12- 9-46 1-14-47 2-11-47 3-11-47 4- 7-47 5-21-47 6-11-47 7- 9-47 8-13-47 9-10-47 10-28-47 11-24-47 12-29-47 1-20-48 2-25-48 4-20-48 5-12-48 6- 7-48 7- 6-48 8- 3-48 9- 2-48 10- 4-48 11- 9-48 12-23-48 1-27-49 2-24-49 3-31-49 4-27-49 5-26-49 6-28-49 7-26-49 8-30-49 9-28-49 10-25-49 11-28-49 12-20-49 2- 6-50 2-27-50 3-22-50 3-31-50 4-26-50 5-23-50 6-22-50	27.1 31.4 22.8 15.0 23.3 11.0 11.1 10.2 12.2 12.3 11.2 48.0 18.8 61.5 129 40.0 21.3 12.8 11.9 19.9 14.6 12.7 14.1 35.3 75.8 59.3 20.0 13.6 13.9 14.1 10.6 9.71 10.7 10.7 14.0 89.9 77.4 17.6 43.4 13.8 9.48 8.91 10.3 10.4 11.6 43.9 36.0 40.1 34.4 103 38.6 18.0

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Michigan--continued						
4-1212.50	Clam River	Muskegon River	continued		7-27-50 8-30-50 9-27-50 10-26-50 11-26-50 12-27-50 1-10-51 2-21-51 4-12-51	12.9 13.8 10.5 9.66 12.5 8.21 28.8 33.5 95.1
4-1212.55	do	do	On line between secs.34 and 35, T.22 N., R.8 W., at bridge on State Highway 55, near Cadillac, Mich.		5-16-46	23.5
4-1213.00	do	do	SW1/4NW1/4 sec.21, T.21 N., R.6 W., 0.5 mile north of Vogel Center, and 3.5 miles southwest of Palmouth, Mich.	270	10-28-59 1-14-60 4-15-60 7- 8-60 10-10-60 1-11-61 4-13-61 7-28-61 10-12-61 1-23-62 4-12-62 7-12-62 10-11-62 1-30-63 4-29-63 7-11-63 10-10-63 1-30-64 4-29-64 7-30-64 10-29-64 1-28-65 4-29-65 7-29-65 10-28-65 1-28-66 4-28-66	148 130 399 83.1 85.2 90.2 95.6 61.9 102 101 175 61.3 99.8 62.4 102 52.6 57.9 100 244 56.7 76.7 87.7 245 51.5 141 134 128
4-1213.50	Muskegon River	Lake Michigan	SE1/4 sec.16, T.19 N., R.6 W., 1/2 mile northwest of Temple, Mich.		4- 1-49 4- 5-49	2,110 1,940
4-1214.00	Middle Branch River	Muskegon River	E1/2 sec.24, T.20 N., R.8 W., at bridge on Crawford Rd., 3 miles west of Marion, Mich.		8- 9-63	15.2
4-1218.00	Gilbert Creek	West Branch Little Muskegon River	NE1/4NE1/4 sec.8, T.14 N., R.8 W., at highway bridge, 2 3/4 miles west of Mecosta, Mich.	18	7-10-63	3.02
4-1218.05	West Branch Little Muskegon River	Little Muskegon River	NE1/4 sec.17, T.14 N., R.8 W., 4 miles southwest of Mecosta, Mich.	38	11- 7-56 2-20-57 4- 4-57	16.9 25.0 24.7
4-1218.10	Dead Stream Creek	West Branch Little Muskegon River	NW1/4NE1/4 sec.8, T.14 N., R.8 W., at highway bridge, 3 miles west of Mecosta, Mich.	25	7-10-63	3.06
4-1218.15	West Branch Little Muskegon River	Little Muskegon River	NW1/4SW1/4 sec.21, T.14 N., R.8 W., at highway bridge, 3 1/4 miles southwest of Mecosta, Mich.	40	7-10-63	10.0
4-1219.10	Tamarack Creek	Muskegon River	Lat 43°27'20", long 85°16'20", in SW1/4 sec.4, T.12 N., R.8 W., Montcalm County, at Lakeview Road, 0.5 mile north of Lakeview, Mich.		11- 4-69 11-26-69	3.93 3.65
4-1219.15	do	do	Lat 43°26'22", long 85°18'45", in SW1/4 sec.7, T.12 N., R.8 W., Montcalm County, at Nimberger Road, 1.5 miles west of Lakeview, Mich.		11- 4-69 11-26-69	13.2 11.9
4-1219.30	Whitefish Lake outlet	Tamarack Creek	SW1/4 sec.17, T.11 N., R.10 W., near Pierson, Mich.		8-30-44 9-21-48	.60 3.04

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Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Michigan--continued						
4-1221.20	Bear Creek	Bear Lake	NW1/4 sec.8, T.10 N., R.16 W., at Russell Street, 1.0 mile northeast of North Muskegon, Mich.	24.4	11- 1-65 12-16-65 3- 9-66 4-14-66 5-10-66 6- 7-66 9- 7-66 10- 4-66 7- 6-67 8- 2-67 9- 6-67 10- 3-67 1- 9-68 4-11-68 5- 8-68 7-10-68	18.5 27.8 35.4 24.0 23.3 15.5 9.94 10.1 14.1 10.8 10.4 11.3 20.2 19.3 16.9 12.6
4-1221.25	do	Muskegon Lake	NW1/4 sec.7, T.10 N., R.16 W., at old U.S. Highway 31, 1.5 miles northeast of North Muskegon, Mich.		9-26-67	10.8
4-1221.60	White River	Lake Michigan	On line between secs.25 and 26, T.15 N., R.12 W., 1 3/4 miles above Kinney Lake outlet and 1 mile west of Woodville, Mich.	18.5	10-16-53	.38
4-1221.62	do	do	On line between sec.33, T.15 N., R.12 W., and sec.4, T.14 N., R.12 W., 3/4 mile below Kinney Lake outlet and 4 1/4 miles southwest of Woodville, Mich.	35.5	10-16-53	8.62
4-1221.64	do	do	Near center sec.9, T.14 N., R.12 W., 1 1/4 miles above Mullen Creek and 5 miles north of White Cloud, Mich.	42.2	10-16-53	14.1
4-1221.66	do	do	NE1/4 sec.21, T.14 N., R.12 W., below Mullen Creek, 3 1/2 miles north of White Cloud, Mich.	51.0	10-16-53	20.0
4-1221.68	do	do	On line between secs.21 and 28, T.14 N., R.12 W., 1 1/4 miles above Five Mile Creek and 2 1/4 miles north of White Cloud, Mich.	55.9	10-16-53	26.5
4-1221.70	Five Mile Creek	White River	Near center sec.23, T.14 N., R.12 W., 3 miles above White River and 4 miles northeast of White Cloud, Mich.	10.4	10-16-53	4.06
4-1221.72	do	do	On line between secs.27 and 28, T.14 N., R.12 W., 3/4 mile above White River and 2 miles northeast of White Cloud, Mich.	10.0	10-16-53	6.53
4-1221.74	Flinton Creek	do	Near center of sec.33, T.14 N., R.12 W., 1/4 mile above White River and 1 mile northeast of White Cloud, Mich.	9.3	10-16-53	4.33
4-1221.76	White River	Lake Michigan	SE1/4 sec.6, T.13 N., R.12 W., 2 miles below Flinton Creek and 1 mile southwest of White Cloud, Mich.	91.1	10-16-53	43.7
4-1221.78	do	do	Near center sec.1, T.13 N., R.13 W., 1 1/2 miles above Rattlesnake Creek and 2 miles west of White Cloud, Mich.	96.1	10-16-53	45.9
4-1221.80	do	do	NW1/4 sec.3, T.13 N., R.13 W., 1/2 mile below Rattlesnake Creek and 4 miles west of White Cloud, Mich.	101	10-16-53	52.0
4-1221.81	Second Cole Creek	White River	On line between secs.26 and 35, T.14 N., R.13 W., 1 mile above White River and 4 miles west of White Cloud, Mich.	4.2	10-16-53	.99
4-1221.82	White River	Lake Michigan	On line between secs.32 and 33, T.14 N., R.13 W., 1 1/4 miles below Second Cole Creek and 5 1/2 miles west of White Cloud, Mich.	112	10-16-53	54.6
4-1221.83	do	do	On line between secs.30 and 31, T.14 N., R.13 W., 1/2 mile above DeLong Creek and 6 1/2 miles east of Hesperia, Mich.	128	10-16-53	69.8
4-1221.84	DeLong Creek	White River	On line between sec.31, T.14 N., R.13 W., and sec.36, T.14 N., R.14 W., 1 mile above White River and 6 miles east of Hesperia, Mich.	16.4	10-16-53	.92
4-1221.85	White River	Lake Michigan	On line between sec.30, T.14 N., R.13 W., and sec.25, T.14 N., R.14 W., 1/4 mile below DeLong Creek and 6 miles east of Hesperia, Mich.	147	10-16-53	71.4
4-1221.86	Mena Creek	White River	N1/2 sec.7, T.14 N., R.13 W., 3 miles above White River and 8 miles northeast of Hesperia, Mich.	15.7	10-16-53	4.17

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Michigan--continued						
4-1221.87	Mena Creek	Lake Michigan	On line between sec.18, T.14 N., R.13 W., and sec.13, T.14 N., R.14 W., 1 mile above White River and 6 1/2 miles east of Hesperia, Mich.	18.1	10-16-53	9.03
4-1221.88	White River	do	On line between secs.23 and 24, T.14 N., R.14 W., 1/2 mile below Mena Creek and 5 1/2 miles east of Hesperia, Mich.	169	10-16-53	85.8
4-1221.89	Martin Creek	White River	NE1/4 sec.12, T.14 N., R.14 W., 75 feet above East Branch Heald Creek and 7 miles north-east of Hesperia, Mich.	10.4	10-16-53	7.41
4-1221.90	East Branch Heald Creek	Martin Creek	NE1/4 sec.12, T.14 N., R.14 W., 70 feet above Martin Creek and 7 miles northeast of Hesperia, Mich.	4.7	10-16-53	7.38
4-1221.91	Martin Creek	White River	On line between secs.13 and 14, T.14 N., R.14 W., 2 1/2 miles above White River and 5 1/2 miles northeast of Hesperia, Mich.	16.1	10-16-53	15.7
4-1221.92	do	do	W1/2 sec.22, T.14 N., R.14 W., 1/2 mile above White River and 3 1/2 miles northeast of Hesperia, Mich.	20.1	10-16-53	15.5
4-1221.93	White River	Lake Michigan	At corner secs.21, 22, 27, 28, T.14 N., R.14 W., below Martin Creek, 3 miles east of Hesperia, Mich.	194	10-16-53	107
4-1221.94	Wright's Creek	White River	On line between secs.29 and 32, T.14 N., R.14 W., 1 mile above White River and 1 1/2 miles east of Hesperia, Mich.	4.1	10-16-53	1.64
4-1221.95	White River	Lake Michigan	SE1/4 sec.25, T.14 N., R.15 W., at Hesperia, Mich.		4-11-50 8- 9-50	619 157
4-1222.05	do	do	N1/2 sec.7, T.12 N., R.16 W., 5 miles northeast of Whitehall, Mich.		10- 8-52	137
4-1222.10	Silver Lake outlet	do	NE1/4 sec.36, T.15 N., R.19 W., near Mears, Mich.		8-10-44 11-22-44 10-16-45 8-20-46 5-13-47 8-19-47 11-18-47 1- 9-48 5-28-48 8-18-48 11-16-48 3-15-49 6-14-49 9-13-49 1-24-50 4-11-50 8- 9-50	6.10 10.9 11.8 9.25 19.0 8.71 7.73 13.7 17.0 8.06 8.04 23.6 7.28 7.54 14.2 43.4 8.71
4-1222.35	Pentwater River	do	SW1/4SE1/4 sec.24, T.16 N., R.18 W., at highway bridge, 1 1/2 miles southeast of Pentwater, Mich.	150	6-11-63 6-17-63	203 191
4-1222.55	Middle Branch Pere Marquette River	Pere Marquette River	Long 43°52'25", lat 85°43'27", SE1/4SE1/4 sec. 10, T.17 N., R.12 W., at highway bridge 4 1/2 miles southwest of Chase, Mich.	30	9-19-66	15.6
4-1222.60	do	do	SE1/4NW1/4 sec.17, T.17 N., R.12 W., at highway bridge, 2 miles southwest of Idlewild, Mich.	40	7-11-63	30.6
4-1222.80	Little South Branch Pere Marquette River	do	Lat 43°48'05", long 85°46'15", on line between secs.5 and 8, T.16 N., R.12 W., Newaygo County, at 17 Mile Road, 6 miles south of Idlewild, Mich.		5-20-70	60.9
4-1222.82	do	do	Lat 43°49'02", long 85°48'00", in SE1/4SE1/4 sec.36, T.17 N., R.13 W., Lake County, at culvert on county road, 6 miles southeast of Baldwin, Mich.	90	7-17-70	49.5
4-1222.89	do	do	Lat 43°51'02", long 85°50'35", in SE1/4NE1/4 sec.22, T.17 N., R.13 W., Lake County, 0.4 mile upstream from mouth, 3 miles south of Baldwin, Mich.	100	7-17-70	62.1
4-1223.00	Pere Marquette	Lake Michigan	Lat 43°51'27", long 85°51'01", SW1/4SE1/4 sec. 15, T.17 N., R.13 W., at fishing site 2.7 miles south of Baldwin, Mich.	200	9-19-66	102
4-1223.75	do	do	SW1/4 sec.27, T.18 N., R.14 W., 3 1/2 miles southeast of Branch, Mich.	320	9-19-66	210

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Michigan--continued						
4-1224.00	Pere Marquette	Lake Michigan	SW1/4SW1/4 sec.21, T.18 N., R.15 W., 1.4 miles south of Walhalla, Mich.	380	9-19-66	257
4-1234.60	Manistee River	do	SW1/4 sec.18, T.29 N., R.4 W., at highway culvert, 8 miles southeast of Alba, Mich.	44	8-25-54 8-14-68	18.7 17.6
4-1234.63	do	do	NW1/4 sec.30, T.29 N., R.4 W., 1 mile below Deer Lake outlet and 3 miles north of Deward, Mich.		8-25-54	31.0
4-1234.65	do	do	SE1/4 sec.31, T.29 N., R.4 W., 200 ft above unnamed tributary and 1 1/2 miles north of Deward, Mich.		8-25-54	37.3
4-1234.68	Unnamed tributary	Manistee River	E1/2 sec.31, T.29 N., R.4 W., above Manistee River, 1 1/2 miles north of Deward, Mich.	5.9	8-25-54	11.5
4-1234.70	Manistee River	Lake Michigan	SE1/4 sec.6, T.28 N., R.4 W., 3/4 mile below Lost Lake outlet and 1/4 miles northwest of Deward, Mich.		8-25-54	65.8
4-1234.75	do	do	SE1/4 sec.7, T.28 N., R.4 W., 1 1/2 miles below Lost Lake outlet and 3/4 mile southwest of Deward, Mich.		8-25-54	68.3
4-1234.80	do	do	On line between secs.19 and 30, T.28 N., R.4 W., 1 mile above unnamed tributary and 3 miles south of Deward, Mich.		8-25-54	97.3
4-1234.82	Unnamed tributary	Manistee River	SW1/4 sec.30, T.28 N., R.4 W., above Manistee River, 4 miles south of Deward, Mich.	4.1	8-25-54	.06
4-1234.85	Manistee River	Lake Michigan	NW1/4 sec.6, T.27 N., R.4 W., at Red Bridge, 4 1/2 miles west of Frederic, Mich.	71.4	8-25-54 8-14-68	105 116
4-1234.87	do	do	On line between secs.7 and 18, T.27 N., R.4 W., 2 miles above Goose Creek and 5 miles southwest of Frederic, Mich.		8-25-54	141
4-1234.89	Goose Creek	Manistee River	SE1/4 sec.35, T.28 N., R.5 W., 5 miles above Manistee River and 5 1/2 miles west of Frederic, Mich.	17.1	8-25-54	.34
4-1234.91	do	do	NE1/4 sec.12, T.27 N., R.5 W., 3 miles above Manistee River and 5 miles southwest of Frederic, Mich.	19.7	8-25-54	7.41
4-1234.93	do	do	NE1/4SW1/4 sec.18, T.27 N., R.4 W., 1 3/4 miles above Manistee River and 5 miles southwest of Frederic, Mich.	25.9	8-25-54	15.9
4-1234.96	Manistee River	Lake Michigan	On line between secs.20 and 29, T.27 N., R.4 W., below Goose Creek, 2 1/2 miles above gaging station near Grayling and 5 1/2 miles southwest of Frederic, Mich.		8-25-54	167
4-1235.00	do	do	SW1/4NW1/4 sec.31, T.27 N., R.4 W., at gaging station Manistee River near Grayling, 2 1/2 miles below Goose Creek and 6 1/2 miles northwest of Grayling, Mich.		8-25-54	173
4-1235.05	do	do	On line between secs.2 and 11, T.26 N., R.5 W., 2 1/2 miles below gaging station near Grayling, 5 miles above Portage Creek, and 7 1/2 miles west of Grayling, Mich.		8-25-54	188
4-1235.10	do	do	E1/2 sec.21, T.26 N., R.5 W., above Portage Creek, 10 miles west of Grayling, Mich.		8-25-54	199
4-1235.40	Portage Creek	Manistee River	SW1/4 sec.8, T.26 N., R.4 W., 5 1/2 miles west of Grayling, Mich.	15.6	5- 6-41 5-14-41 5-15-41 5-24-41 6- 1-41 6- 6-41 7-30-41 8-28-41 10- 2-42 11-11-42 12-24-42 1-25-43 3-30-43 6- 2-43 7- 7-43 9-30-43 10-29-43 11-22-43 12-17-43 3-17-44 11- 1-44 4-11-45 9-28-48	10.8 21.7 29.9 45.6 54.7 11.8 18.9 13.3 32.0 25.1 22.0 25.6 30.2 77.2 34.0 11.7 14.6 39.8 28.3 25.8 17.2 20.8 8.11

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Michigan--continued						
4-1235.40	Portage Creek	Manistee River	continued		1- 3-49	12.6
					5- 6-49	21.0
					8-19-49	12.4
					10-18-49	10.1
					12-13-49	21.7
					4-13-50	33.8
					7-20-50	19.5
					10-19-50	15.4
					1-15-51	22.9
					4- 5-51	30.2
					7-25-51	4.94
					10-17-52	7.76
					1-27-53	28.0
					4-10-53	30.8
					7-23-53	14.9
					10-13-54	12.0
					1-12-54	26.6
					4-27-54	36.0
					7- 9-54	35.7
					10-11-54	20.3
					1-11-55	25.9
					4-21-55	28.4
					7- 5-55	7.96
					10- 4-55	3.34
					1- 3-56	21.7
					4- 2-56	40.7
					7- 3-56	22.0
					10- 4-56	18.3
					1- 2-57	24.5
					4- 2-57	23.1
					7-11-57	23.4
					10- 3-57	10.2
					1- 2-58	26.8
					4- 1-58	21.1
					7- 1-58	2.72
					10- 2-58	10.2
					1- 2-59	23.1
4-1235.50	do	do	SW1/4 sec.22, T.26 N., R.5 W., 1/4 mile above Manistee River and 9 1/2 miles west of Grayling, Mich.	35.4	8-25-54	18.2
					8-14-68	26.3
4-1235.55	Manistee River	Lake Michigan	SW1/4 sec.29, T.26 N., R.5 W., between Clear Creek and Black Creek, 7 miles northeast of Sharon, Mich.		8-25-54	242
4-1235.60	Black Creek	Manistee River	NW1/4 sec.28, T.27 N., R.5 W., 11 miles north-west of Grayling, Mich.		10-28-54	3.86
4-1235.63	do	do	NW1/4 sec.20, T.26 N., R.5 W., 11 1/2 miles west of Grayling, Mich.		10-28-54	6.53
4-1235.66	do	do	W1/2 sec.29, T.26 N., R.5 W., 75 ft above Manistee River and 7 miles northeast of Sharon, Mich.	27.3	8-25-54	1.86
					10-28-54	2.93
4-1235.68	Manistee River	Lake Michigan	SW1/4 sec.25, T.26 N., R.6 W., at CCC Bridge, 5 miles northeast of Sharon, Mich.	215	8-14-68	256
4-1235.72	do	do	NE1/4 sec.34, T.26 N., R.6 W., 2 1/2 miles above Big Devil Creek and 3 1/2 miles northeast of Sharon, Mich.		8-25-54	265
4-1235.75	Big Devil Creek	Manistee River	SW1/4 sec.4, T.25 N., R.6 W., 1/2 miles above Manistee River and 1 1/2 miles east of Sharon, Mich.	8.2	8-25-54	5.93
4-1235.80	Little Devil Creek	do	SE1/4 sec.5, T.25 N., R.6 W., 1/4 mile above Manistee River and 1 mile east of Sharon, Mich.	.4	8-25-54	0
4-1235.85	Big Cannon Creek	do	On line between sec.7, T.24 N., R.5 W., and sec.12, T.24 N., R.6 W., 1 3/4 miles below Grass Lake and 2 1/2 miles northeast of Moorestown, Mich.		8-25-54	1.54
4-1235.90	do	do	SW1/4 sec.35, T.25 N., R.6 W., 5 miles below Grass Lake and 3 1/2 miles north of Moorestown, Mich.	30.4	8-25-54	11.1
4-1235.95	do	do	On line between secs.21 and 28, T.25 N., R.6 W., 4 miles above Manistee River and 3 1/2 miles southeast of Sharon, Mich.	41.2	8-25-54	22.3
4-1236.00	do	do	SW1/4 sec.16, T.25 N., R.6 W., 2 1/2 miles above Manistee River and 2 miles southeast of Sharon, Mich.	43.4	8-25-54	25.3
4-1236.05	do	do	Corner of secs.5, 6, 7, and 8, T.25 N., R.6 W., 1/4 mile above Manistee River, at Sharon, Mich.	45.9	8-25-54	28.0

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Michigan--continued						
4-1236.10	Unnamed tributary	North Branch Manistee River	On line between sec.36, T.28 N., R.6 W., and sec.1, T.27 N., R.6 W., 1 1/2 miles below Pickerel Lake and 8 1/2 miles southwest of Deward, Mich.	26.4	8-25-54	1.06
4-1236.15	do	do	NW1/4 sec.13, T.27 N., R.6 W., 1 mile above North Branch Manistee River and 9 miles northeast of Spencer, Mich.	33.3	8-25-54 10-28-54	4.39 10.3
4-1236.19	North Branch Manistee River	Manistee River	Sec.3, T.27 N., R.6 W., near Kalkaska, Mich.		2-24-45 10- 3-45 1- 4-46 3-26-46 7-11-46 9-18-46 12-31-46 4-14-47 7- 8-47 9-30-47 12-23-47 3-17-48 8- 4-48 10- 6-48 12-23-48 4- 7-49 7-27-49 10-18-49 12-21-49 4- 4-50 7-19-50	3.69 5.21 5.61 10.4 3.56 1.40 3.74 6.40 3.03 2.48 2.81 4.03 4.69 .34 2.47 6.35 2.42 .55 3.00 6.72 1.96
4-1236.20	do	do	Corner of secs.10, 11, 14, and 15, T.27 N., R.6 W., 2 miles below Manistee Lake and 9 miles northeast of Spencer, Mich.	13.0	8-25-54 10-28-54	0 4.99
4-1236.25	do	do	On line between secs.24 and 25, T.27 N., R.6 W., 1 mile below unnamed tributary and 8 miles northeast of Spencer, Mich.	55.1	8-25-54	11.1
4-1236.28	Morrison Creek	North Branch Manistee River	NW1/4 sec.11, T.26 N., R.6 W., 35 ft above North Branch Manistee River and 6 miles east of Spencer, Mich.	9.7	8-25-54	.02
4-1236.30	North Branch Manistee River	Manistee River	NW1/4 sec.11, T.26 N., R.6 W., 200 ft below Morrison Creek and 6 miles east of Spencer, Mich.	67.9	8-25-54	25.7
4-1236.35	do	do	On line between secs.15 and 22, T.26 N., R.6 W., 1 1/4 miles below Sands Creek and 4 1/2 miles northeast of Sharon, Mich.	83.7	8-25-54	24.1
4-1236.40	do	do	SE1/4 sec.6, T.25 N., R.6 W., near mouth, and 1/2 mile north of Sharon, Mich.	95	8-25-54 8-14-68	29.7 26.4
4-1236.45	Pierson Creek	do	W1/2 sec.6, T.25 N., R.6 W., 1/2 mile above Manistee River and 3/4 mile northwest of Sharon, Mich.	18.4	8-25-54	4.91
4-1236.50	Manistee River	Lake Michigan	SW1/4 sec.6, T.25 N., R.6 W., at highway bridge, 435 at Sharon, Mich.		8-25-54 8-14-68	348 336
4-1237.00	Fife Lake outlet	Manistee River	SW1/4 sec.13, T.25 N., R.9 W., at Fife Lake, Mich.	11.1	11- 2-44 10- 3-45 1- 4-46 3-26-46 6-28-46 9-18-46 12-11-46 5-29-47 7- 8-47 10- 7-47 12-23-47 3-17-48 7- 9-48 10- 6-48 12-23-48 4- 7-49 7-27-49 10-17-49 12-21-49 4- 4-50 10-18-50 1-31-51 4-12-51 7-26-51 10-28-52 1- 7-53 4- 9-53 7-27-53 10-22-53 1-19-54	4.50 4.19 6.45 10.7 4.47 2.09 3.46 14.4 4.17 2.60 4.50 4.88 4.10 .52 3.62 8.52 10.2 2.25 5.06 11.1 2.86 6.00 12.8 5.09 2.22 6.90 11.1 3.01 2.99 5.09

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Michigan--continued						
4-1237.00	Fife Lake outlet	Manistee River	continued		4-27-54 7-14-54 10- 5-54 1-20-55 4- 5-55 7-25-55 10-24-55 1-13-56 4-12-56 7-30-56 10- 2-56 1-17-57 4-30-57 7-25-57 10-14-57 1-29-58 4- 4-58 7-29-58 10-23-58	18.5 10.8 6.45 8.10 11.3 1.80 3.01 4.91 9.76 7.34 3.58 4.99 12.1 11.0 2.46 5.61 4.29 1.05 2.82
4-1238.00	Cedar Creek	do	U.S. Highway 131 at Manton, Mich.		11-12-47	8.06
4-1238.10	do	do	County road, 1/4 mile east of Manton, Mich.		11-12-47	12.8
4-1242.00	Manistee River	Lake Michigan	Lat 44°21'30", long 85°49'15", in NE1/4 sec.25, T.23 N., R.13 W., Manistee County, at the Hodenpyle Dam, 3.0 miles east of Marilla, Mich.	999	7-24-69 11- 6-69	95.4 161
4-1242.10	Slagle Creek	Manistee River	NE1/4NE1/4NW1/4 sec.13, T.22 N., R.12 W., at east boundary of Harrietta State fish hatchery, Mich.	22	3-20-53 4- 9-53 10-22-53 1- 7-54 4-27-54 7-14-54 2-24-66	15.8 6.54 3.17 4.99 17.0 5.07 6.78
4-1242.15	do	do	NW1/4NE1/4NW1/4 sec.13, T.22 N., R.12 W., 310 ft upstream from dam in Harrietta State fish hatchery, Mich.	22	3-20-53 4- 9-53 10-22-53 1- 7-54 4-27-54 7-14-54 10-20-65	4.03 3.91 5.21 3.52 3.39 4.29 10.2
4-1242.20	do	do	NW1/4NE1/4NW1/4 sec.13, T.22 N., R.12 W., 120 ft upstream from dam in Harrietta State fish hatchery, Mich.	22	3-20-53 4- 9-53 10-22-53 1- 7-54 4-27-54 7-14-54 10- 5-54 1- 9-57 2-24-66	22.4 15.3 10.9 13.0 27.7 12.9 17.0 3.28 7.28
4-1244.00	Sixteen Creek	North Branch Pine River	NE1/4 sec.27, T.21 N., R.10 W., 2 1/2 miles west of Hobart, Mich.	4.6	8-27-52	1.31
4-1244.05	do	do	NW1/4 sec.26, T.21 N., R.10 W., 2 1/4 miles west of Hobart, Mich.	8.2	8-27-52	2.48
4-1244.10	North Branch Pine River	Pine River	SW1/4 sec.35, T.21 N., R.10 W., 1/4 mile north of Wexford County line and 2 1/2 miles southwest of Hobart, Mich.	22.7	8-27-52	9.52
4-1244.15	do	do	SE1/4 sec.4, T.20 N., R.10 W., 1/4 mile above Nigger Creek and 3 1/2 miles southwest of Hobart, Mich.	26.0	8-27-52	11.0
4-1244.20	Negro Creek	North Branch Pine River	NW1/4 sec.19, T.21 N., R.10 W., 1 1/4 miles west of Axin and 5 miles above Pine River.	5.0	8-27-52	.98
4-1244.25	do	do	SE1/4SE1/4 sec.19, T.21 N., R.10 W., 1 mile south of Axin and 3 3/4 miles above Pine River.	7.6	8-27-52	3.22
4-1244.30	do	do	NW1/4 sec.33, T.21 N., R.10 W., 2 miles above Pine River and 4 miles west of Hobart, Mich.	11.8	8-27-52	7.92
4-1244.35	North Branch Pine River	Pine River	SW1/4 sec.4, T.20 N., R.10 W., 1/4 mile below Nigger Creek and 3 1/4 miles northwest of Tustin, Mich.	42.8	8-27-52	20.2
4-1244.40	do	do	SE1/4SE1/4 sec.8, T.20 N., R.10 W., 1 1/2 miles below Nigger Creek and 3 1/4 miles northwest of Tustin, Mich.	44.8	8-27-52	20.2
4-1244.50	do	do	On line between secs.20 and 29, T.20 N., R.10 W., 1/4 mile above East Branch Pine River and 3 1/4 miles west of Tustin, Mich.	49.5	8-27-52	24.9
4-1244.60	East Branch Pine River	do	NW1/4 sec.14, T.20 N., R.10 W., 1/2 mile above Lake Outlet Creek and 2 1/4 miles northwest of Tustin, Mich.	15.0	8-27-52	1.07

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Michigan--continued						
4-1244.70	Lake Outlet Creek	East Branch Pine River	SW1/4 sec.14, T.20 N., R.10 W., 1/2 mile above East Branch Pine River and 1 1/2 miles northwest of Tustin, Mich.	42.7	8-27-52	3.08
4-1244.95	East Branch Pine River	Pine River	NW1/4 sec.22, T.20 N., R.10 W., 1 1/2 miles above gaging station near Tustin, 2 miles northwest of Tustin, and 2 miles above Pine River, Mich.	60.0	8-27-52	4.99
4-1245.10	Pine River	Manistee River	SW1/4 sec.29, T.20 N., R.10 W., 1/2 mile above Sprague Creek, 3 miles above gaging station near LeRoy, and 4 miles west of Tustin, Mich.	114	8-27-52	42.4
4-1245.20	Sprague Creek	Pine River	E1/2 sec.32, T.20 N., R.10 W., 1/4 mile above Pine River and 4 miles southwest of Tustin, Mich.	2.6	8-27-52	1.54
4-1250.05	Pine River	Manistee River	On line between sec.7, T.19 N., R.10 W., and sec.12, T.19 N., R.11 W., 200 ft above Beaver Creek, 1 mile below gaging station near LeRoy, and 3 1/4 miles south of Bristol, Mich.	120	8-27-52	53.3
4-1250.10	Beaver Creek	Pine River	NE1/4 sec.16, T.19 N., R.10 W., 2 1/2 miles above Little Beaver Creek and 2 1/2 miles west of LeRoy, Mich.	13.1	8-27-52 9-27-52	3.87 3.24
4-1250.20	Little Beaver Creek	Beaver Creek	N1/2 sec.18, T.19 N., R.10 W., 1/2 mile above Beaver Creek and 4 1/4 miles west of LeRoy, Mich.	1.9	8-27-52 9-27-52	2.92 2.53
4-1250.30	Beaver Creek	Pine River	SW1/4 sec.7, T.19 N., R.10 W., 1/4 mile below Little Beaver Creek and 4 3/4 miles west of LeRoy, Mich.	20.4	8-27-52 9-27-52	12.6 12.6
4-1250.40	Pine River	Manistee River	SE1/4 sec.2, T.19 N., R.11 W., 1 mile below Beaver Creek and 2 1/4 miles south of Bristol, Mich.	143	8-27-52	72.6
4-1250.90	do	do	NE1/4 sec.3, T.19 N., R.11 W., 1 1/4 miles above Coe Creek and 2 1/2 miles south of Bristol, Mich.	147	8-27-52	79.7
4-1251.00	do	do	On line between sec.33, T.20 N., R.11 W., and sec.4, T.19 N., R.11 W., 1/2 mile above Coe Creek and 3 miles south of Bristol, Mich.	151	8-27-52	82.5
4-1251.05	Coe Creek	Pine River	SE1/4 sec.36, T.21 N., R.11 W., 3/4 mile above Olga Lake and 3 1/2 miles southwest of Axin, Mich.	1.0	8-27-52	.10
4-1251.10	do	do	NE1/4 sec.12, T.20 N., R.11 W., 2 miles above Dyers Creek and 2 3/4 miles north of Bristol, Mich.	4.4	8-27-52	.94
4-1251.15	do	do	N1/2 sec.19, T.20 N., R.10 W., 400 ft above Dyers Creek and 1 3/4 miles northeast of Bristol, Mich.	5.9	8-27-52	1.39
4-1251.20	Dyers Creek	Coe Creek	SW1/4 sec.18, T.20 N., R.10 W., 1/2 mile above Coe Creek and 1 1/2 miles northeast of Bristol, Mich.	3.9	8-27-52	1.79
4-1251.25	Coe Creek	Pine River	S1/2 sec.19, T.20 N., R.10 W., 1 mile below Dyers Creek and 1 1/2 miles east of Bristol, Mich.	12.3	8-27-52	2.91
4-1251.30	do	do	NW1/4 sec.36, T.20 N., R.11 W., 1 1/4 miles south of Bristol and 2 3/4 miles above Pine River, Mich.	14.5	8-27-52	3.68
4-1251.40	do	do	NE1/4NE1/4 sec.34, T.20 N., R.11 W., 1 1/2 miles southwest of Bristol and 1 1/2 miles above Pine River.	17.8	8-27-52	4.51
4-1251.50	Pine River	Manistee River	SE1/4 sec.32, T.20 N., R.11 W., 1 1/4 miles below Coe Creek and 3 1/2 miles southwest of Bristol, Mich.	173	8-27-52	109
4-1252.00	do	do	NE1/4 sec.24, T.20 N., R.12 W., 1/2 mile above Silver Creek and 4 3/4 miles south of Hoxeyville, Mich.	183	8-27-52 9-29-52	133 130
4-1252.08	Silver Creek	Pine River	SW1/4 sec.16, T.20 N., R.11 W., 2 miles above Pine River and 5 1/4 miles southeast of Hoxeyville, Mich.	5.0	8-27-52	1.56
4-1252.10	do	do	SW1/4SW1/4 sec.18, T.20 N., R.11 W., 1/4 mile above Pine River and 4 1/2 miles south of Hoxeyville, Mich.	9.6	8-27-52	4.31

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Michigan--continued						
4-1252.15	Pine River	Manistee River	NW1/4 sec.13, T.20 N., R.12 W., 1 1/4 miles below Silver Creek and 3 1/4 miles south of Hoxeyville, Mich.	198	8-27-52 9-29-52	127 138
4-1252.20	do	do	SE1/4 sec.2, T.20 N., R.12 W., 200 ft above Elm Creek and 2 miles south of Hoxeyville, Mich.	203	8-27-52 9-29-52	148 154
4-1252.30	Elm Creek	Pine River	SE1/4 sec.2, T.20 N., R.12 W., at mouth and 2 miles south of Hoxeyville, Mich.	2.3	8-27-52	3.38
4-1252.50	Poplar Creek	do	NE1/4 sec.34, T.21 N., R.11 W., 4 1/4 miles east of Hoxeyville and 5 1/2 miles north of Bristol, Mich.	2.3	8-27-52	.80
4-1253.00	do	do	SW1/4 sec.27, T.21 N., R.11 W., 4 miles east of Hoxeyville and 5 1/2 miles north of Bristol, Mich.	8.2	8-27-52	6.39
4-1253.20	do	do	On line between secs.28 and 29, T.21 N., R.11 W., 2 3/4 miles east of Hoxeyville, Mich.	10.3	8-27-52	10.1
4-1253.40	do	do	NW1/4 sec.32, T.21 N., R.11 W., 2 miles east of Hoxeyville and 3 miles above Pine River.	17.1	8-27-52	13.7
4-1253.50	do	do	E1/2 sec.36, T.21 N., R.12 W., 1 1/2 miles southeast of Hoxeyville and 1 1/2 miles above Pine River.	19.1	8-27-52	15.8
4-1253.60	do	do	NE1/4 sec.3, T.20 N., R.12 W., at mouth, 1 1/2 miles southwest of Hoxeyville, Mich.	19.7	8-27-52	16.1
4-1253.70	Pine River	Manistee River	NE1/4 sec.3, T.20 N., R.12 W., 200 ft below Poplar Creek and 1 1/2 miles southwest of Hoxeyville, Mich.	228	8-27-52	178
4-1253.80	Hoxey Creek	Pine River	NW1/4 sec.36, T.21 N., R.12 W., at Hoxeyville 2 miles above Pine River.	4.2	8-27-52	2.51
4-1254.50	Pine River	Manistee River	SE1/4SE1/4 sec.28, T.21 N., R.12 W., 2 1/4 miles west of Hoxeyville, Mich.	238	8-27-52	206
4-1254.60	do	do	N1/2 sec.28, T.21 N., R.12 W., 2 1/2 miles above gaging station near Hoxeyville and 3 miles west of Hoxeyville, Mich.	245	8-27-52	213
4-1257.00	Bear Creek	do	Lat 44°18'41", long 86°02'59", in NE1/4 sec.18, T.22 N., R.14 W., Manistee County, at Potter's Bridge, 1.5 miles northwest of Brethren, Mich.	170	6- 3-58 7-12-60 2- 9-61 4-12-61 7-20-61 10-11-61 1-11-62 7- 9-62 1- 9-63 4-11-63 7- 8-63 10- 7-63 1- 8-64 1-13-65 7- 8-65 7- 7-66 10- 5-66 1-12-67 7-17-67 9-13-67 10-23-67 1-15-68 7- 8-68 10- 7-68	105 102 118 181 83.6 135 158 104 149 246 89.4 87.7 131 143 95.8 80.1 86.7 175 134 88.7 108 134 150 118
4-1261.00	Little Manistee River	do	SE1/4 sec.29, T.19 N., R.11 W., 2 3/4 miles southeast of Luther, Mich.	11.5	8-30-56	.96
4-1261.05	do	do	SE1/4 sec.19, T.19 N., R.11 W., just downstream from unnamed tributary, 1 1/2 miles southeast of Luther, Mich.	22.5	8-30-56	3.64
4-1261.10	do	do	On line between secs.13 and 18, T.19 N., R.12 W., downstream of pond at Luther, Mich.	26.0	8-30-56	7.06
4-1261.15	Unnamed tributary	Little Manistee River	S1/2 sec.13, T.19 N., R.12 W., 1/2 mile southwest of Luther, Mich.	3.0	8-30-56	1.78
4-1261.20	Perch Lake outlet	do	SE1/4 sec.12, T.19 N., R.12 W., 1/2 mile north of Luther, Mich.	2.2	8-30-56	.94
4-1261.25	Little Manistee River	Manistee River	On line between secs.13 and 14, T.19 N., R.12 W., 1 mile west of Luther, Mich.	33.5	8-30-56	11.0

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Michigan--continued						
4-1261.30	Little Manistee River	Manistee River	On line between secs.14 and 15, T.19 N., R.12 W., 2 miles west of Luther, Mich.	38.7	8-30-56	11.3
4-1261.35	do	do	NE1/4 sec.16, T.19 N., R.12 W., 2 1/2 miles upstream from Twin Creek and 3 1/4 miles west of Luther, Mich.	45.7	8-30-56	16.3
4-1261.40	do	do	NW1/4 sec.17, T.19 N., R.12 W., 1 1/2 miles upstream from Twin Creek and 4 1/2 miles west of Luther, Mich.	48.7	8-30-56	17.7
4-1261.45	do	do	NW1/4 sec.18, T.19 N., R.12 W., 50 ft upstream from Twin Creek and 4 3/4 miles east of Peacock, Mich.	67.4	8-30-56	22.5
4-1261.50	West Branch Twin Creek	Twin Creek	NW1/4 sec.8, T.19 N., R.12 W., 50 ft upstream from confluence with East Branch and 4 1/2 miles west of Luther, Mich.	8.5	8-30-56	3.92
4-1261.55	East Branch Twin Creek	do	NW1/4 sec.8, T.19 N., R.12 W., 75 ft upstream from confluence with West Branch and 4 1/2 miles west of Luther, Mich.	4.6	8-30-56	3.43
4-1261.60	Twin Creek	Little Manistee River	NW1/4 sec.18, T.19 N., R.12 W., 150 ft upstream from mouth and 4 3/4 miles east of Peacock, Mich.	16.0	8-30-56	10.7
4-1261.64	Little Manistee River	Manistee River	NW1/4 sec.13, T.19 N., R.13 W., 1 mile downstream from Twin Creek and 3 1/2 miles east of Peacock, Mich.	72.6	8-30-56	33.9
4-1261.66	do	do	On line between secs.10 and 11, T.19 N., R.13 W., 25 ft downstream from bridge on State Highway M-37 and 2 1/4 miles east of Peacock, Mich.	78.9	8-30-56	39.6
4-1261.68	Mud Lake outlet	Little Manistee River	NE1/4 sec.10, T.19 N., R.13 W., 40 ft upstream from mouth and 2 1/4 miles northeast of Peacock, Mich.	10.2	8-30-56	4.95
4-1261.70	Little Manistee River	Manistee River	NE1/4 sec.9, T.19 N., R.13 W., 150 ft upstream from Butterfly Creek and 1 1/2 miles northeast of Peacock, Mich.	98.1	8-30-56	45.6
4-1261.72	Butterfly Creek	Little Manistee River	NE1/4 sec.9, T.19 N., R.13 W., 100 ft upstream from mouth and 1 1/2 miles northeast of Peacock, Mich.	.76	8-30-56	1.27
4-1261.73	Little Manistee River	Manistee River	On line between secs.4 and 5, T.19 N., R.13 W., 100 ft downstream from Spencer Bridge and 1 1/4 miles north of Peacock, Mich.	114	8-30-56	47.0
4-1261.74	do	do	On line between secs.29 and 30, T.20 N., R.13 W., at Indian Bridge, 3 1/4 miles north of Peacock and 3 1/2 miles south of Irons, Mich.	122	8-30-56	59.7
4-1261.75	do	do	SE1/4 sec.24, T.20 N., R.14 W., at Johnson's Bridge, 2 1/2 miles south of Irons, Mich.	129	8-30-56	65.1
4-1261.76	do	do	On line between secs.22 and 23, T.20 N., R.14 W., 3 miles southwest of Irons and 5 1/2 miles upstream from Stronach Creek.	134	8-30-56	71.2
4-1261.78	do	do	On line between secs.15 and 16, T.20 N., R.14 W., at Fox Bridge, 3 3/4 miles southwest of Irons and 3 1/2 miles upstream from Stronach Creek.	137	8-30-56	73.0
4-1261.80	do	do	NE1/4 sec.16, T.20 N., R.14 W., at Pole Bridge, 2 1/2 miles upstream from Stronach Creek and 3 1/4 miles west of Irons, Mich.	140	8-30-56	81.3
4-1261.82	Stronach Creek	Little Manistee River	NE1/4 sec.9, T.20 N., R.14 W., 1 1/2 miles upstream from Beaver Lake and 3 1/2 miles west of Irons, Mich.	13.0	8-30-56	2.16
4-1261.84	do	do	SE1/4 sec.5, T.20 N., R.14 W., 10 ft upstream from Cool Lake Outlet, 1/2 mile downstream from Beaver Lake, and 4 3/4 miles west of Irons, Mich.	14.2	8-30-56	3.36
4-1261.85	Cool Lake outlet	Stronach Creek	On line between secs.3 and 4, T.20 N., R.14 W., 1/2 mile downstream from Cool Lake and 3 1/2 miles northwest of Irons, Mich.	2.3	8-30-56	14.3
4-1261.86	do	do	SE1/4 sec.5, T.20 N., R.14 W., 10 ft upstream from Stronach Creek and 4 3/4 miles west of Irons, Mich.	4.6	8-30-56	15.3
4-1261.87	Stronach Creek	Little Manistee River	NE1/4 sec.7, T.20 N., R.14 W., 10 ft upstream from mouth and 5 1/4 miles west of Irons, Mich.	20.9	8-30-56	20.1

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Michigan--continued						
4-1261.88	Little Manistee River	Manistee River	NE1/4 sec.7, T.20 N., R.14 W., at Eighteen-mile Bridge, 50 ft downstream from Stronach Creek and 5 1/4 miles west of Irons, Mich.	166	8-30-56	105
4-1261.89	do	do	SE1/4 sec.2, T.20 N., R.15 W., 3 1/2 miles downstream from Stronach Creek, 8 miles west of Irons, and 8 miles northeast of Freesoil, Mich.	178	8-30-56	106
4-1261.95	do	do	On line between secs.34 and 35, T.21 N., R.15 W., at Nine-mile Bridge, 7 miles north-east of Freesoil, Mich.	185	8-30-56	108
4-1262.00	do	do	NE1/4 sec.31, T.21 N., R.15 W., at Six-mile Bridge, 6 miles north of Freesoil, Mich.	200	6-21-54 6-28-54 7- 6-54 8- 3-54 9- 8-54 10- 6-54 8-22-55 8-30-56	280 217 166 138 122 213 120 127
4-1263.00	do	do	NW1/4 sec.25, T.21 N., R.16 W., just downstream from Four-mile Dam and 4 miles east of Stronach, Mich.	208	8-30-56	148
4-1265.00	do	do	NE1/4 sec.21, T.21 N., R.16 W., 1 1/2 miles east of Stronach and 2 1/2 miles upstream from mouth.	219	6-21-54 8-30-56	304 162
4-1265.02	do	do	SW1/4 sec.20, T.21 N., R.16 W., at Stronach, 1/4 mile upstream from mouth.	222	8-30-56	172
4-1265.30	Ellis Lake outlet	Duck Lake	NW1/4 sec.15, T.26 N., R.12 W., 75 ft downstream from U.S. Highway 31, 1/2 mile downstream from Ellis Lake, 1 mile northeast of Interlochen, and 2 1/2 miles west of Grawn, Mich.	1.79	10-15-57	1.04
4-1265.35	Cedar-Hedge Lake outlet	Duck Lake outlet	SE1/4 sec.8, T.26 N., R.12 W., 30 ft upstream from U.S. Highway 31, 1/2 mile downstream from Cedar-Hedge Lake, and 1 mile northwest of Interlochen, Mich.	4.02	10-15-57	2.85
4-1265.50	Betsie River	Lake Michigan	Sec.5, T.25 N., R.12 W., at highway bridge, 1 mile northwest of Karlin, Mich.	59.6	11-21-44 8- 9-45 10-17-45 1-30-46 4-23-46 7-10-46 10-28-46 12-30-46 5-16-47 7-28-47 10- 7-47 1-15-48 5-17-48 8-12-48 10- 8-48 1- 4-49 4-14-49 8-11-49 10-17-49 12-22-49 3-29-50 7-25-50 10-18-50 1-31-51 4-23-51 7-26-51 10- 8-51 1-21-52 4-23-52 7-29-52 10-14-52 1- 9-53 4-23-53 7-27-53 10-23-53 1-28-54 4-19-54 7-14-54 10- 5-54 1-20-55 4- 6-55 7-26-55 10-20-55 1-13-56 4-12-56 7-30-56 1-17-56 4-30-56	43.4 62.0 84.8 109 83.4 45.6 33.7 43.4 133 44.3 44.8 47.7 76.8 30.4 25.2 5.08 75.0 25.0 24.9 46.5 67.3 38.4 39.1 54.5 128 47.4 46.3 95.0 149 66.2 23.4 60.5 84.2 50.4 31.1 51.0 80.0 110 60.0 57.5 78.0 29.8 23.1 47.1 80.9 48.1 55.8 63.6

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Michigan--continued						
4-1265.50	Betsie River	Lake Michigan	continued		7-25-56	40.3
					10-15-57	27.9
					1-29-58	62.3
					4- 4-58	55.4
					7-29-58	29.2
					10-23-58	39.4
					1-20-59	51.6
					4-15-59	102
					7- 7-59	32.9
					10-27-59	50.9
					1-25-60	75.2
					1-30-61	64.8
					4-18-61	89.2
					10-11-61	80.1
					4-12-62	97.7
					7-12-62	31.2
					10-10-62	42.2
					1-10-63	53.4
					4-16-63	101
					7-10-63	27.8
					10- 9-63	24.3
					1-21-64	53.8
					4-14-64	83.7
					7-14-64	29.7
					10- 8-64	34.6
					1-14-65	62.9
					4- 8-65	62.5
					7- 9-65	27.6
					10-11-65	79.2
					1- 5-66	85.8
					4- 6-66	105
					7-14-66	25.1
					10-20-66	39.0
					1-12-67	94.3
					4- 5-67	105
					7-18-67	57.1
					10- 3-67	37.5
					1- 3-68	71.0
					4-12-68	85.4
					7-22-68	43.4
					10- 8-68	48.2
					1-21-69	81.7
					4-14-69	86.6
4-1265.60	Betsie River	Lake Michigan	SW1/4 sec.2, T.25 N., R.13 W., 250 ft downstream from Michigan Conservation Department dam, 3/4 mile downstream from Grass Lake Creek, and 4 1/2 miles northwest of Karlin, Mich.	80.9	10-15-57	45.0
4-1265.63	do	do	SW1/4 sec.10, T.25 N., R.13 W., 100 ft upstream from Worlds Bridge, 3/4 mile east of Wallin and 5 miles northeast of Thompsonville, Mich.	83.0	10-15-57	43.0
4-1265.66	do	do	On line between secs.16 and 17, T.25 N., R.13 W., 1/2 mile southwest of Wallin and 4 miles northeast of Thompsonville, Mich.	86.9	10-15-57	44.1
4-1265.70	do	do	NW1/4 sec.20, T.25 N., R.13 W., 1 3/4 miles southwest of Wallin, 2 1/2 miles upstream from Little Betsie River, and 3 miles northeast of Thompsonville, Mich.	89.6	10-15-57	47.4
4-1265.73	do	do	SW1/4 sec.19, T.25 N., R.13 W., on County Road 669, 1 1/4 miles upstream from Little Betsie River and 1 3/4 miles north of Thompsonville, Mich.	95.4	10-15-57	47.4
4-1265.76	Little Betsie River	Betsie River	SW1/4 sec.27, T.25 N., R.13 W., 1 mile north of Nessen City and 3 1/2 miles northeast of Thompsonville, Mich.	4.90	10-15-57	6.86
4-1265.80	do	do	SW1/4 sec.29, T.25 N., R.13 W., 2 miles northeast of Thompsonville, 2 miles northwest of Nessen City, and 2 1/2 miles upstream from Betsie River.	5.94	10-15-57	8.39
4-1265.83	do	do	SW1/4 sec.30, T.25 N., R.13 W., on County Road 669, 1/2 mile upstream from mouth and 1 mile north of Thompsonville, Mich.	9.30	10-15-57	9.21
4-1265.86	Betsie River	Lake Michigan	SW1/4 sec.25, T.25 N., R.14 W., 200 ft downstream from Thompsonville Dam.	106	10-15-57	65.9
4-1265.90	do	do	SE1/4 sec.35, T.25 N., R.14 W., 10 ft downstream from Red Bridge and 3/4 mile west of Thompsonville, Mich.	110	10-15-57	67.9
4-1265.95	Unnamed tributary	Betsie River	SW1/4 sec.36, T.25 N., R.14 W., 500 ft upstream from Betsie River and 3/4 mile southwest of Thompsonville, Mich.	1.83	10-15-57	0
4-1266.00	Betsie River	Lake Michigan	SW1/4 sec.2, T.24 N., R.14 W., 2 miles southwest of Thompsonville and 3 1/4 miles northwest of Copemish, Mich.	115	10-15-57	80.9

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Michigan--continued						
4-1266.03	Betsie River	Lake Michigan	NW1/4 sec.8, T.24 N., R.14 W., 4 1/2 miles southwest of Thompsonville and 5 1/2 miles northwest of Copemish, Mich.	121	10-15-57	82.1
4-1266.06	do	do	NE1/4 sec.6, T.24 N., R.14 W., 50 ft upstream from Manistee-Benzie County line, 5 miles west of Thompsonville and 6 1/2 miles northwest of Copemish, Mich.	128	10-15-57	89.4
4-1266.10	do	do	NE1/4 sec.36, T.25 N., R.15 W., 5 3/4 miles west of Thompsonville and about 8 miles upstream from Homestead Dam.	134	10-15-57	90.0
4-1266.15	Deer Creek	Betsie River	NW1/4 sec.15, T.25 N., R.14 W., 10 ft upstream from County Road 671, 4 1/4 miles northwest of Thompsonville and 6 miles southeast of Benzonia, Mich.	10.2	10-15-57	3.04
4-1266.20	do	do	SW1/4 sec.16, T.25 N., R.14 W., 4 1/2 miles northwest of Thompsonville and 6 miles southeast of Benzonia, Mich.	14.4	10-15-57	4.26
4-1266.25	Unnamed tributary	Deer Creek	NW1/4 sec.22, T.25 N., R.14 W., on County Road 671, 1 mile upstream from mouth and 3 1/2 miles northwest of Thompsonville, Mich.	1.30	10-15-57	.30
4-1266.30	Deer Creek	Betsie River	NE1/4 sec.19, T.25 N., R.14 W., 25 ft upstream from State Highway 115, 5 1/4 miles northwest of Thompsonville, and 5 1/2 miles southeast of Benzonia, Mich.	17.6	10-15-57	7.38
4-1266.35	Betsie River	Lake Michigan	NW1/4 sec.19, T.25 N., R.14 W., Benzie County, 50 ft upstream from bridge on State Highway 115, and 4.8 miles southeast of Benzonia, Mich.	158	8- 9-45 10-15-57 10-28-59 1-13-60 4-16-60 10-12-60 1-13-61 7-14-61 10-11-61 1-22-62 4-12-62 7-12-62 10-11-62 1-10-63 4-12-63 7-10-63 10- 9-63 1- 8-64 4-10-64 7- 7-64 10- 7-64 1-13-65 4- 7-65 7- 8-65 10- 6-65 1- 5-66 4- 6-66 7- 8-66 10- 5-66 1-12-67 4- 4-67 7-18-67 10- 5-67 1-16-68 4- 8-68 7- 8-68 10- 7-68 1-21-69 4-14-69	62.0 101 209 265 348 135 199 128 207 214 312 129 135 169 273 113 109 157 301 115 146 166 264 120 228 227 311 106 119 216 455 187 138 151 249 162 159 230 270
4-1266.40	Crystal Lake outlet	Betsie River	SW1/4 sec.20, T.26 N., R.15 W., near Beulah, Mich.		5-10-44 9-19-44 11-21-44 8- 9-45 11- 5-45 1-31-46 4-23-46 7-10-46 9-27-46 1-23-47 5-16-47 7-28-47 10- 9-47 1-15-48 4- 2-48 8-12-48 10- 8-48 1- 4-49 4-14-49 8-11-49 10-17-49 12-22-49 3-29-50 7-25-50 10- 2-50	36.8 6.05 7.10 23.3 23.3 30.3 31.7 27.0 4.91 0 35.6 28.0 5.81 .5 18.9 11.2 2.44 1.45 15.3 15.4 .06 0 15.0 19.6 7.20

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Michigan--continued						
4-1266.50	Unnamed tributary	Platte River	NE1/4 sec.26, T.27 N., R.13 W., on County Road 665, 1/4 mile upstream from Lake Ann and 3/4 mile south of village of Lake Ann, Mich.	4.78	10- 7-57	5.02
4-1266.55	Platte River	Lake Michigan	SE1/4 sec.27, T.27 N., R.13 W., 1/2 mile downstream from Lake Ann and 1 1/2 miles southwest of village of Lake Ann, Mich.	47.6	10- 7-57	16.9
4-1266.60	do	do	NW1/4 sec.4, T.26 N., R.13 W., 1/2 mile downstream from Bronson Lake and 3 1/2 miles southwest of Lake Ann, Mich.	66.2	10- 7-57	32.8
4-1266.65	do	do	SE1/4 sec.6, T.26 N., R.13 W., at Allvn, 5 miles east of Honor, Mich.	71.6	10- 7-57	36.6
4-1266.70	Kinney Creek	Brundage Creek	SE1/4 sec.18, T.26 N., R.13 W., 75 ft upstream from Brundage Creek and 5 miles east of Honor, Mich.	3.46	10- 7-57	1.93
4-1266.80	Stanley Creek	do	SE1/4 sec.7, T.26,N., R.13 W., 300 ft upstream from Brundage Creek and 5 miles east of Honor, Mich.	4.18	10- 7-57	3.74
4-1266.90	Brundage Creek	Platte River	SW1/4 SE1/4 sec.7, T.26 N., R.13 W., 700 ft downstream from Stanley Creek, 0.5 mile up-stream from mouth, 4.7 miles east of Honor, Mich.	12.5	10- 7-57 4- 6-66 4-11-66 5- 4-66 6- 9-66 7-14-66 8- 3-66 9- 9-66 10-26-66 11- 9-66 12-13-66 1-12-67 2- 9-67 3- 6-67 4- 4-67 5- 3-67 6- 7-67 7-18-67 8- 4-67 9- 8-67 10- 3-67 11- 9-67 12- 4-67 1-16-68 2- 8-68 3-11-68 4- 8-68 5- 6-68 6- 4-68 7- 8-68 8- 5-68 9- 9-68 10- 8-68 11- 4-68	13.5 20.4 18.4 17.5 17.0 16.1 15.8 13.5 14.1 20.4 15.9 15.9 15.2 14.8 23.9 20.9 20.9 26.0 18.0 18.2 18.6 19.7 17.1 17.0 16.1 16.0 16.6 16.7 16.1 15.4 14.4 16.4 15.8 15.3
4-1267.00	Platte River	Lake Michigan	Lat 44°39'34", long 85°56'36", in SE1/4 sec.12, T.26 N., R.14 W., Benzie County, at U.S. Highway 31, 4 miles east of Honor, Mich.	91.9	10- 7-57 10-27-59 1-25-60 4-18-60 1-13-61 4-12-61 7-14-61 10-11-61 1-11-62 4-18-62 7-25-62 10-10-62 1-10-63 4-16-63 7-10-63 10- 9-63 1-21-64 4-24-64 7- 9-64 10- 7-64 1-13-65 4- 7-65 7- 9-65 4-11-66 5- 4-66 6- 9-66 8- 3-66 9- 9-66 10-26-66 1-12-67 2- 9-67 3- 6-67 5- 3-67 8- 4-67 9- 8-67 10- 3-67 12- 4-67 1-16-68	66.0 83.6 81.5 99.7 73.7 88.3 69.4 72.0 83.5 98.4 85.5 70.8 70.3 86.3 56.2 58.9 69.1 75.4 59.1 60.3 65.0 67.4 61.5 86.2 78.6 68.2 59.6 65.3 60.7 78.5 79.8 70.5 97.1 72.5 73.9 82.2 74.4 73.3

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Michigan--continued						
4-1267.00	Platte River	Lake Michigan	continued		2- 8-68 3-11-68 4- 8-68 5- 6-68 6- 4-68 7- 8-68 8- 5-68 9- 4-68 10- 8-68 11- 4-68	79.0 75.3 82.2 77.5 76.6 75.0 66.0 76.0 87.6 72.0
4-1267.05	Platte River	Lake Michigan	NE1/4 sec.14, T.26 N., R.14 W., at Hayes Bridge, 3 miles east of Honor, Mich.	93.5	10- 7-57	61.8
4-1267.10	Carter Creek	Platte River	NE1/4 sec.25, T.26 N., R.14 W., on County Road 669, 1/2 mile north of Carter Corner and 4 3/4 miles southeast of Honor, Mich.	6.65	10- 7-57	1.97
4-1267.15	do	do	SE1/4 sec.23, T.26 N., R.14 W., about 2 1/2 miles upstream from mouth and 3 1/2 miles southeast of Honor, Mich.	8.15	10- 7-57	5.43
4-1267.20	do	do	NE1/4 sec.22, T.26 N., R.14 W., 1/2 mile upstream from mouth and 2 1/2 mile southeast of Honor, Mich.	10.9	10- 7-57	4.83
4-1267.25	Platte River	Lake Michigan	SW1/4 sec.15, T.26 N., R.14 W., at Case Bridge, 1/2 mile downstream from Carter Creek and 2 miles southeast of Honor, Mich.	109	10- 7-57	81.6
4-1267.30	Collision Creek	Platte River	SE1/4 sec.9, T.26 N., R.14 W., at east edge of Honor, 1/4 mile upstream from mouth.	4.75	10- 7-57	.44
4-1267.35	Platte River	Lake Michigan	NW1/4 sec.16, T.26 N., R.14 W., at south edge of Honor, Mich.	117	10- 7-57	94.2
4-1267.40	do	do	NE1/4 sec.7, T.26 N., R.14 W., 1/2 mile west of Honor, Mich., and 2 miles upstream from Platte Lake.	118	10- 7-57 8-27-68	96.1 96.2
4-1267.45	do	do	SE1/4 sec.1, T.26 N., R.15 W., 300 ft upstream from North Branch Platte River, 1/4 mile upstream from Platte Lake, and 2 1/4 miles northwest of Honor, Mich.	119	10- 7-57	101
4-1267.50	North Branch Platte River	Platte River	NE1/4 sec.31, T.27 N., R.14 W., on County Road 671, 3 miles northwest of Honor, Mich.	19.7	10- 7-57	14.6
4-1267.52	do	do	NE1/4 sec.1, T.26 N., R.15 W., on County Road 673, 2 1/2 miles northwest of Honor, Mich.	31.1	10- 7-57	17.1
4-1267.55	Platte River	Lake Michigan	NE1/4 sec.28, T.27 N., R.15 W., 200 ft downstream from State Highway M-22, 1/2 mile downstream from Platte Lake and 6 miles northwest of Honor, Mich.	166	9-26-46 6-24-47 7-28-47 9-21-48 10- 7-57	139 172 132 118 115
4-1267.60	do	do	NW1/4 sec.20, T.27 N., R.15 W., 1/4 mile upstream from Lake Michigan and 8 miles northwest of Honor, Mich.	171	10- 7-57	118
4-1268.00	Crystal River	Lake Michigan	Sec.24, T.29 N., R.14 W., near Cedar, Mich.		8-23-46 9-26-46 1-23-47 5-16-47 7- 9-47 10- 9-47 1-23-48 2-24-48 4- 2-48 5-17-48 8-19-48 10- 8-48 1- 4-49 2-23-49 4-14-49 8-11-49 10-17-49 12-22-49 3-29-50 7-25-50 10- 2-50	12.5 20.0 47.6 83.7 68.9 25.9 65.6 59.5 12.1 62.0 20.9 30.4 57.9 61.1 11.9 21.3 71.9 42.8 62.9 26.9 48.2
4-1269.50	South Branch Boardman River	Boardman River	SW1/4 sec.3, T.26 N., R.9 W., near Mayfield, Mich.		5-12-49 6- 9-49 8-24-49	41.7 40.5 31.2
4-1269.55	do		SE1/4 sec.4, T.26 N., R.9 W., above mouth of North Branch and 6.2 miles northwest of South Boardman, Mich.	46.7	8-17-68	33.7

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Michigan--continued						
4-1269.60	North Branch Boardman River	Boardman River	SE1/4 sec.4, T.26 N., R.9 W., above mouth of South Branch, and 6.2 miles northwest of South Boardman, Mich.	75.2	8-17-68	36.7
4-1269.65	Boardman River	Grand Traverse Bay	SE1/4 sec.4, T.26 N., R.9 W., near Mayfield, Mich.		5-12-49 6- 9-49 8-24-49	91.8 69.9 61.7
4-1269.70	do	do	NE1/4 sec.18, T.26 N., R.9 W., Rudolfs Ranch near Mayfield, Mich.		5-12-49 6- 9-49 8-24-49	112 86.1 75.6
4-1270.05	Parker Creek	Boardman River	NE1/4 sec.21, T.26 N., R.10 W., near Mayfield, Mich.		5-13-49 6- 9-49 8-24-49	18.7 15.9 11.5
4-1270.10	Swainstons Creek	do	SE1/4 sec.21, T.26 N., R.10 W., near Mayfield, Mich.		5-13-49 6- 9-49 8-24-49	9.98 10.1 6.50
4-1270.15	Boardman River	Grand Traverse Bay	Sec.17, T.26 N., R.10 W., near Mayfield, Mich.		2-17-49 3-21-51	250 302
4-1275.00	do	do	500 feet upstream from Front St. in Traverse City, Mich.		8- 3-39 8- 4-39 8-23-39 10-12-39 11-29-39 1-17-40 2-15-40 3- 6-40 7-21-66 10- 6-66	245 190 294 238 234 219 205 220 196 253
4-1275.20	Mitchell Creek	Grand Traverse Bay	SE1/4 sec.7, T.27 N., R.10 W., near Traverse City, Mich.		5-13-49 6-10-49 8-25-49	9.15 7.37 5.11
4-1275.50	Tobeco Creek	P-To-Ba-Go Pond	NW1/4 sec.5, T.28 N., R.9 W., near Elk Rapids, Mich.		8-25-49 10-17-49 12-22-49 3-29-50 5-18-50 7-25-50 9-12-50 10-18-50 1-11-51 4-24-51 7-26-51 10-22-51 1-30-52 4-10-52 7-29-52 10-14-52 1- 7-53 4-18-53 7-21-53 10-20-53 1-29-54 4-19-54 7-14-54 10- 6-54 1-25-55 4- 6-55 7-26-55 10-24-55 1-30-56 4-12-56 7-30-56 10-30-56 1-24-57 4-30-57 7-31-57 10-30-57 1- 3-58 4- 4-58 7- 3-58 10- 2-58	.02 .06 5.41 37.3 3.04 .77 1.11 .76 3.22 8.29 0 9.47 5.27 10.7 7.90 .29 4.20 5.42 1.18 .90 4.30 7.16 2.16 9.97 3.95 14.8 .04 0 1.98 18.8 2.32 2.23 4.71 6.95 .33 4.10 4.10 5.75 .73 1.51
4-1275.70	Little Rapid River	Rapid River	SE1/4 sec.31, T.28 N., R.7 W., just above impoundment and 3 1/2 miles north of Kalkaska, Mich.	25.6	8-15-68	21.6
4-1275.80	Rapid River	Torch River	NW1/4 sec.32, T.28 N., R.7 W., at highway bridge and 3 1/2 miles north of Kalkaska, Mich.	112	8-15-68	40.1
4-1276.00	Battle Creek	Elk Lake	NW1/4 sec.2, T.27 N., R.9 W., near Williamsburg, Mich.		5-13-49 6-10-49 8-25-49	9.85 9.85 9.88

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Michigan--continued						
4-1277.40	Jordan River	Lake Charlevoix	SE1/4 sec.30, T.31 N., R.5 W., at roadside park 1/2 mile upstream from unnamed tributary, and 5.5 miles west of Elmira, Mich.	11.5	8-12-68	29.9
4-1277.50	Six Tile Creek	Jordan River	Sec.6, T.30 N., R.5 W., near Alba, Mich.		3-20-44 3-25-46 2-14-57	8.11 11.2 9.02
4-1277.55	Five Tile Creek	do	do		3-25-46 2-14-57	5.95 5.83
4-1277.60	Two Tile Creek	do	do		2-14-57	.17
4-1277.70	Jordan River	Lake Charlevoix	NE1/4 sec.9, T.30 N., R.6 W., at Penney Bridge and 4 miles northwest of Alba, Mich.	29.6	8-12-68	103
4-1277.80	do	do	SE1/4 sec.32, T.31 N., R.6 W., Antrim County, at highway culverts near public fishing site, 6.1 miles northwest of Alba, Mich.	33.4	2-15-68 3-18-68 4-18-68 5-13-68 6-10-68 7- 8-68 8-12-68 9-16-68 10-15-68 11-11-68 12-16-68 1-15-69 2-11-69 3-19-69 4-17-69 5-15-69 6-12-69	151 167 150 144 146 142 144 141 135 140 125 144 152 155 152 142 301
4-1277.90	do	do	NE1/4 sec.29, T.31 N., R.6 W., at Chastonia Bridge, 7.2 miles southeast of East Jordan, Mich.	50.9	8-12-68	144
4-1278.00	do	do	NW1/4NW1/4 sec.7, T.31 N., R.6 W., 600 ft downstream from Webster Bridge, 4.2 miles south of East Jordan, Mich.	75	11-19-59 1-26-60 4-29-60 2-15-61 7-12-61 10-12-61 1-17-62 4-18-62 7-18-62 10-19-62 1-28-63 4- 8-63 5- 8-63 7-17-63 10-16-63 1-15-64 4-14-64 7-30-64 10- 7-64 1-20-65 4-14-65 7-14-65 10- 7-65 1-13-66 4-19-66 7-13-66	182 176 192 169 153 175 171 194 149 154 127 198 703 204 153 198 208 150 147 172 263 159 162 188 193 141
4-1278.20	Deer Creek	Jordan River	NE1/4 sec.24, T.32 N., R.6 W., at Deer Lake outlet, 3 miles west of Boyne Falls, Mich.	6	6- 3-58 7-10-63	2.15 1.50
4-1278.80	Carp River	Lake Michigan	SE1/4 sec.15, T.38 N., R.4 W., at Carp Lake, Mich.	26.3	11-30-44 10-17-45 1-24-46 4-18-46 6-27-46 9-25-46 12-16-46 4-28-47 7-23-47 10-14-47 2-17-48 5-26-48 7-27-48 10-12-48 12-14-48 4-14-49 7-15-49 10-24-49 12-13-49 4-11-50 7-27-50 10-23-50 1-16-51 4-12-51 7-18-51	13.6 2.74 22.6 26.4 24.3 1.32 14.3 76.6 4.33 .04 4.55 16.2 .02 .21 11.8 34.1 1.23 .07 .16 30.5 .11 2.75 11.5 89.3 20.8

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Huron--continued						
4-1280.60	Mill Creek	Lake Huron	NW1/4 sec.4, T.38 N., R.3 W., 5 miles south-east of Mackinaw City, Mich.		7-21-54 8-18-54 9-15-54 10-13-54 11-11-54 12-14-54 1-19-55 3-15-55 4-20-55 5-18-55 6-14-55 7-20-55 8-16-55 10-19-55 4-10-57 5-15-57 6-11-57 7-16-57	.01 .24 0 .34 1.47 .77 .76 6.27 10.7 .46 .15 0 0 .017 5.60 13.0 .61 2.79
4-1280.70	Little Black River	do	NE1/4 sec.26, T.38 N., R.2 W., 1/2 mile west of Cheboygan, Mich.	10	2-15-55 3-15-55 4-19-55 5-18-55 6-14-55 7-20-55 8-16-55 9-14-55 10-19-55 11-10-55 12-13-55 1-17-56 2-14-56 3-13-56 4- 9-56 4-16-56 4-19-56 5-15-56 6-14-56 7-17-56 8-14-56 9-18-56 10-17-56 11-13-56 12-18-56 1-15-57 2-12-57 3-12-57 4- 9-57 5-15-57 6-11-57 7-16-57 8-22-57 9-17-57 10-17-57 11- 6-57 12- 4-57 1- 9-58 2- 5-58 3- 5-58 4- 3-58 5- 6-58 6- 5-58 7- 8-58 8- 6-58 9- 4-58 10- 8-58 11- 5-58 12- 9-58 1- 7-59 2-11-59 4-15-59 5- 5-59 6- 9-59 7- 8-59 8- 6-59	4.00 46.8 47.6 2.89 2.35 0 0 0 .14 1.27 3.58 3.89 4.37 3.78 87.4 54.0 33.6 21.7 .36 5.06 .36 .77 .57 1.18 4.98 3.91 1.77 13.6 38.2 124 5.44 6.48 0 1.04 2.20 4.04 13.3 6.93 6.61 7.63 27.4 16.6 1.48 2.72 0 .14 .54 1.46 10.6 4.47 2.54 137 204 1.74 .52 0
4-1281.05	East Branch Maple River	Maple River	NW1/4 sec.25, T.37 N., R.4 W., 2 1/2 miles northeast of Pellston, Mich.	26.5	6-12-42 7-21-42 8-20-42 9-30-42 11-20-42 12-15-42 1-19-43 5-10-43 7-12-43 9-11-43 11-30-43 10-17-45 4-18-46 6-27-46 9-25-46 12-16-46	36.3 17.0 4.56 5.61 22.0 17.7 17.5 75.4 47.2 12.9 7.00 1.66 42.1 32.5 6.78 2.00

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements						
					Date	Discharge (cfs)					
Streams tributary to Lake Huron--continued											
4-1281.05	East Branch Maple River	Maple River	continued		4-29-47	43.9					
					7-23-47	19.7					
					10-13-47	1.67					
					2-17-48	3.56					
					5-26-48	39.9					
					7-27-48	9.19					
					10-12-48	.68					
					12-14-48	1.03					
					4-19-49	27.2					
					7-15-49	7.40					
					10-24-49	.51					
					12-13-49	.61					
					4-11-50	2.82					
					7-27-50	10.4					
					10-23-50	.89					
					1-16-51	.68					
					4-17-51	65.7					
					7-18-51	16.8					
					10-23-51	12.3					
					1-16-52	43.5					
					4-18-52	150					
					7-16-52	19.4					
					10-15-52	.95					
					1-22-53	10.6					
					4-20-53	75.5					
					7-16-53	19.8					
					8-31-53	5.24					
					10-16-53	1.03					
					1-15-54	1.45					
					4-14-54	25.4					
					7-21-54	20.3					
					10-13-54	3.82					
					1-19-55	13.3					
					4-20-55	39.6					
					7-20-55	4.39					
					10-19-55	.37					
					1-17-56	.54					
					4-16-56	8.38					
					4-17-56	8.39					
					10-18-56	.79					
					1-15-57	1.34					
					4-10-57	6.09					
					7-16-57	19.2					
					10-18-57	2.24					
					1-10-58	27.9					
					7- 8-58	7.06					
					10- 2-58	.89					
					1- 8-59	.61					
					4-1281.35	Maple River	Burt Lake	Brutus, Mich.		5-25-42	146
										6-16-42	136
7-21-42	105										
8-20-42	110										
9-30-42	106										
11-20-42	140										
12-15-42	109										
4- 3-43	274										
5-11-43	162										
7-12-43	160										
9-11-43	126										
4-1282.15	Sturgeon River	Burt Lake	SW1/4SE1/4 sec.14, T.31 N., R.3 W., at bridge on Poquette Road, 5.2 miles south of Vanderbilt, Mich.	8.5	7-18-66	21.0					
4-1282.20	do	do	SW1/4SE1/4 sec.31, T.32 N., R.2 W., at bridge on Whitmarsh Road, 3.9 miles southeast of Vanderbilt, Mich.	50	7-18-66	32.1					
4-1282.30	do	do	NE1/4SW1/4 sec.21, T.32 N., R.2 W., at bridge on Sturgeon Valley Rd., 5.0 miles east of Vanderbilt, Mich.	65	7-18-66	38.1					
4-1282.90	Sturgeon River	Burt Lake	NW1/4SW1/4 sec.29, T.33 N., R.2 E., at bridge on Trowbridge Rd., 3.6 miles south of Wolverine, Mich.	105	7-18-66	73.6					
4-1282.95	do	do	NE1/4NW1/4 sec.7, T.33 N., R.2 W., 70 ft upstream from West Branch, in Wolverine, Mich.	125	7-18-66	88.9					
4-1283.75	West Branch Sturgeon River	Sturgeon River	NW1/4 sec.28, T.33 N., R.3 W., 5 1/2 miles southwest of Wolverine, Mich.	49.7	8- 1-58 8- 4-58	26.8 27.2					
4-1283.80	do	do	SE1/4 sec.16, T.33 N., R.3 W., 1 mile upstream from Fulmer Creek and 3 3/4 miles southwest of Wolverine, Mich.	56.8	8- 1-58 8- 4-58	38.0 37.1					

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Huron--continued						
4-1283.83	Marl Creek	West Branch Sturgeon River	NW1/4 sec.16, T.33 N., R.3 W., near Walloon Lake, Mich.		11-30-44	26.4
					10-17-45	26.5
					1-30-46	47.3
					4-24-46	28.2
					6-27-46	24.3
					9-26-46	12.7
					12-16-46	7.20
					4-29-47	46.4
					7-23-47	21.4
					10-13-47	10.6
					1-28-48	25.8
					5-27-48	29.6
					7-27-48	13.5
					10-12-48	5.11
					12-15-48	15.4
					4-21-49	23.9
4-1283.85	West Branch Sturgeon River	Sturgeon River	SW1/4 sec.14, T.33 N., R.3 W., 3 miles southwest of Wolverine, Mich.	60	8- 1-58	47.5
4-1283.95	do	do	NE1/4NW1/4 sec.7, T.33 N., R.2 W., 15 ft upstream from mouth, in Wolverine, Mich.	80	7-18-66	54.4
4-1284.05	Sturgeon River	Burt Lake	NE1/4NW1/4 sec.25, T.34 N., R.3 W., at bridge on Rondo Rd., 3.2 miles north of Wolverine, Mich.	200	7-18-66	160
4-1284.50	do	do	NE1/4NW1/4 sec.1, T.34 N., R.3 W., at highway bridge, 2.8 miles south of Indian River, Mich., and 4 miles upstream from mouth.	210	4-16-45	320
					7-18-66	171
4-1284.55	do	do	NW1/4NE1/4 sec.25, T.35 N., R.3 W., at bridge on old US 27, at Indian River, Mich., and 0.5 mile upstream from mouth.	220	7-18-66	163
4-1288.50	Pigeon River	do	NE1/4SE1/4 sec.29, T.31 N., R.2 W., at highway bridge, 5.3 miles east northeast of Gaylord, Mich.	14	7-18-66	17.3
4-1289.80	do	do	SW1/4SW1/4 sec.25, T.32 N., R.2 W., at bridge on old Vanderbilt Rd., 7.8 miles east of Vanderbilt, Mich.	55	7-18-66	32.4
4-1289.90	do	do	SW1/4SW1/4 sec.17, T.32 N., R.1 W., at bridge on Sturgeon Valley Rd., 1 mile below Lansing Club Dam, 9.7 miles east of Vanderbilt, Mich.	60	7-18-66	41.8
4-1289.95	do	do	NE1/4NE1/4 sec.28, T.33 N., R.1 W., at Tin Bridge, 9.3 miles southeast of Wolverine, Mich.	75	7-18-66	54.5
4-1290.00	do	do	SE1/4SW1/4 sec.5, T.33 N., R.1 W., at Red Bridge, 7.1 miles east of Wolverine, Mich.	90	7-18-66	57.8
4-1290.05	Little Pigeon River	Pigeon River	NE1/4SW1/4 sec.1, T.33 N., R.2 W., at bridge on Wolverine Rd., 5.2 miles east of Wolverine, Mich.	18	7-18-66	13.4
4-1290.30	Cornwell Creek	do	NE1/4NE1/4 sec.27, T.33 N., R.1 W., 50 ft downstream from proposed impoundment site, 13.5 miles northeast of Vanderbilt, Mich.	4.5	2- 4-65	1.03
					2-15-65	1.48
					3-15-65	1.43
					4-12-65	17.3
					5-17-65	3.23
					6- 9-65	1.07
4-1294.50	Pigeon River	Burt Lake	NW1/4NE1/4 sec.24, T.34 N., R.2 W., at bridge on Pigeon River Rd., 3.0 miles south of Afton, Mich.	125	7-18-66	64.9
4-1295.10	do	do	NW1/4NE1/4 sec.27, T.35 N., R.2 W., 2.8 miles northwest of Afton, Mich., and 3 1/2 miles above mouth.	140	7-18-66	72.7
4-1300.30	Black River	Cheboygan River	NW1/4NW1/4 sec.27, T.31 N., R.1 W., near Johnson's Crossing, 13.1 miles southeast of Vanderbilt, Mich.	12	7-18-66	4.18
4-1300.40	do	do	NE1/4SE1/4 sec.32, T.32 N., R.1 W., 10.7 miles east of Vanderbilt, Mich.	45	7-18-66	17.2
4-1300.45	do	do	NW1/4NW1/4 sec.35, T.32 N., R.1 W., at Tin Shanty Bridge, 125 miles east of Vanderbilt, Mich.	50	7-18-66	16.5
4-1300.65	do	do	NW1/4NW1/4 sec.29, T.32 N., R.1 E., 13.7 miles northwest of Atlanta, Mich.	65	11-12-59	73.6
					11-25-59	85.6
					12-14-59	62.5
4-1300.70	do	do	NW1/4NW1/4 sec.21, T.32 N., R.1 E., at Main River Bridge, 14 miles south of Tower, Mich.	80	7-18-66	30.1

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Huron--continued						
4-1302.00	East Branch Black River	Black River	NW1/4NE1/4 sec.22, T.32 N., R.1 E., at Barber Bridge, 12.8 miles northwest of Atlanta, Mich.	44	7-18-66 5-24-67 7-11-67 8-14-67 9-11-67 11-15-67 1- 3-68 4- 2-68 5- 1-68 7- 9-68 9- 3-68 10- 2-68 11- 4-68 12- 2-68 1-20-69 7-15-69 9- 9-69	27.2 49.9 63.3 43.0 43.7 60.8 51.3 67.7 57.1 41.4 45.4 47.7 48.6 50.6 55.1 35.2 43.6
4-1302.10	Black River	Cheboygan River	NE1/4NE1/4 sec.29, T.33 N., R.1 E., at bridge on Clark Bridge Rd., 9.2 miles south of Tower, Mich.	150	7-18-66	71.7
4-1302.20	do	do	SW1/4NW1/4 sec.12, T.33 N., R.1 E., at highway bridge, 6.7 miles southeast of Tower, Mich.	175	7-18-66	77.4
4-1304.50	do	do	NW1/4NW1/4 sec.13, T.34 N., R.1 E., at bridge on Warboys Rd., 2.0 miles southeast of Tower, Mich.	290	7-18-66	103
4-1310.00	Rainy River	Black River	Near Onaway, Mich.		11-26-41 8-14-51 9-19-51 10-18-51 11-13-51 12-21-51 1-15-52 2-20-52 3-19-52 4-16-52 5-21-52 6-17-52 7-16-52 8-19-52 9-17-52	77.1 5.69 3.61 34.2 116 34.6 56.4 23.1 34.7 437 35.7 7.90 48.0 9.77 2.20
4-1321.50	Lake Nettie outlet	Ocqueoc River	SW1/4 sec.19, T.34 N., R.4 E., 3 miles southeast of Millersburg and 6 miles west of Hawks, Mich.	40	6- 4-58 7-11-63	8.88 11.7
4-1321.70	Grand Lake outlet	Lake Huron	SE1/4 sec.15, T.34 N., R.7 E., 14 miles southeast of Rogers City, Mich.	34.3	12-13-44 10-22-45 1- 9-46 4- 9-46 6-18-46 9-10-46 12- 3-46 5- 6-47 8- 5-47 10- 2-47 12- 3-47 5-11-48 7- 7-48 9-27-48 12- 2-48 4- 6-49 7- 6-49 10-28-49 12- 6-49 4- 6-50 10-25-50 1-11-51 4- 5-51 7-25-51 10- 4-51 1- 8-52 4- 2-52 7- 8-52 10- 8-52 1- 6-53 4- 7-53 7- 7-53 10- 7-53 1- 5-54 4- 6-54 7- 7-54 10-25-54 1- 3-55 4- 6-55 7- 6-55 10- 5-55 1- 3-56 4- 3-56 7- 2-56 10- 2-56	20.4 4.78 49.9 83.6 19.4 .15 .10 183 7.92 .25 .48 98.1 12.8 0 .012 47.7 49.2 .17 .27 70.0 11.8 56.0 103 2.58 22.8 57.5 69.9 14.0 0 .45 112 57.4 1.58 30.6 67.4 45.3 79.9 55.5 76.8 15.4 0 0 4.77 5.26 1.16

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Huron--continued						
4-1321.70	Grand Lake outlet	Lake Huron	continued		1- 1-57	44.1
					4- 1-57	34.8
					4- 2-57	30.8
					7- 2-57	133
					10- 2-57	1.92
					1- 8-58	54.5
					4- 2-58	38.5
					7- 2-58	.13
					10- 2-58	.02
					1- 6-59	.43
4-1322.05	McCormick Lake outlet	Thunder Bay River	SW1/4 sec.30, T.30 N., R.2 W., 6 miles south-west of Atlanta, Mich.		9- 5-45	28.3
					1- 3-46	23.1
					3-28-46	27.3
					6-17-46	29.7
					7- 8-46	24.3
					9-12-46	24.1
					12- 2-46	19.0
					5- 7-47	31.0
					8- 6-47	19.5
					9-29-47	24.1
					12- 1-47	21.8
					4-13-48	27.3
					7-13-48	16.8
					10- 1-48	18.7
					12- 3-48	19.2
					4- 5-49	23.0
					7- 7-49	17.5
					10-20-49	17.3
					12- 7-49	18.4
					4-24-50	22.5
					7-21-50	16.7
					10- 5-50	16.2
					1-29-51	17.9
					4-11-51	29.9
					7-25-51	16.4
					10- 4-51	24.4
					1-28-52	23.2
					4-24-52	22.6
					7- 7-52	16.9
					10- 7-52	18.6
					12-22-52	22.1
					4-22-53	24.8
					7- 6-53	22.3
					10- 7-53	19.2
4-1322.10	Thunder Bay River	Lake Huron	Lat 44°59'35", long 84°10'35", in NE1/4 SE1/4 sec.15, T.30 N., R.2 E., Montmorency County, below Lake Fifteen, 2.0 miles south-west of Atlanta, Mich.	37.5	8-20-68	88.9
					5-28-69	40.7
					8-13-70	31.8
4-1322.15	do	do	Lat 45°00'25", long 84°07'55", in NE1/4SW1/4 sec.7, T.30 N., R.3 E., Montmorency County, above Haymeadow Creek at Atlanta, Mich.	40.8	8-20-68	85.8
					5-28-69	43.6
					8-13-70	28.4
4-1322.90	East Fish Lake outlet	Thunder Bay River	NE1/4 sec.34, T.29 N., R.2 E., 7 miles east of Lewiston, Mich.	.5	10-28-43	1.56
					4- 6-44	1.50
					10- 6-44	2.26
					3-29-45	1.55
					8-13-45	1.43
					10- 4-45	1.22
					11-13-45	2.34
					12- 4-45	1.45
					1- 3-46	1.43
					2- 5-46	1.37
					3-28-46	1.69
					6-20-46	1.58
					9- 9-46	2.60
					12- 5-46	1.44
					4-18-47	2.06
					7-30-47	1.48
					9-29-47	1.64
					12- 1-47	1.69
					4-13-48	1.89
					8- 9-48	1.26
					10- 1-48	1.66
					12-30-48	1.58
					4-12-49	1.12
					8-22-49	.76
					10-20-49	1.26
					12-15-49	1.45
					4-24-50	1.45
					7-21-50	1.33
					10-10-50	1.09
					1-29-51	1.56
					4-11-51	1.70
					6-18-51	1.49
					7-27-51	1.28
					1-28-52	1.35
					4- 9-52	1.60
					7- 7-52	1.80
					10- 7-52	1.42
					1-23-53	1.25

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Huron--continued						
4-1323.00	Hunt Creek	Thunder Bay River	SW1/4 sec.25, T.29 N., R.2 E., 8 miles south- east of Lewiston, Mich.		10-28-43	22.7
					4- 6-44	21.3
					10- 4-44	17.8
					10- 6-44	22.3
					3-29-45	27.8
					8-13-45	24.2
					10- 4-45	23.0
					11-13-45	30.1
					12- 4-45	26.5
					1- 3-46	23.1
					2- 5-46	24.4
					3-28-46	28.6
					6-20-46	24.1
					9- 9-46	34.6
					12- 5-46	23.7
					4-18-47	34.7
					7-30-47	20.4
					9-29-47	23.7
					12- 1-47	22.2
					4-13-48	26.5
					8- 9-48	18.9
					10- 1-48	19.6
					12-30-48	21.4
					4-12-49	20.9
					8-22-49	14.8
					10-20-49	20.1
					12-15-49	20.5
					4-24-50	25.3
					7-21-50	19.6
					10-10-50	23.2
					1-29-51	22.0
					4-11-51	32.1
					6-18-51	23.9
					7-27-51	23.5
					8-27-51	22.9
					9-24-51	28.2
					10-24-51	45.6
					1-28-52	22.4
					4- 9-52	32.4
					7- 7-52	23.3
					10- 7-52	19.6
					1-28-53	24.4
					4-22-53	26.3
					7- 6-53	24.2
					8- 7-53	23.3
					1- 5-54	23.2
					4-20-54	28.3
					7- 7-54	21.4
					10-25-54	25.5
					1-26-55	22.6
					4-21-55	28.9
					7- 6-55	22.4
					10- 6-55	23.0
					1- 4-56	20.6
					4-11-56	28.2
					7-25-56	20.1
					10-10-56	20.2
					1- 1-57	20.1
					4-25-57	36.4
					7-22-57	25.1
					9- 3-57	19.3
					10- 2-57	21.6
					1-28-58	21.3
					4- 2-58	25.6
					6-17-58	20.2
					8- 4-58	18.3
					10-17-58	21.3
					11- 3-58	20.4
					2- 3-59	20.9
					6-19-59	20.8
					8- 3-59	18.9
					10- 5-59	24.4
					11- 2-59	25.2
					12- 2-59	24.9
					1- 7-60	23.5
					2- 3-60	23.9
					3- 2-60	23.0
					9- 1-60	22.9
					2- 1-61	22.8
					3- 1-61	23.8
					12- 4-61	25.0
					1- 3-62	20.7
					2- 1-62	24.7
					3- 1-62	25.2
					6- 4-62	24.2
					7- 2-62	21.0
					9- 4-62	20.5
					10- 1-62	21.7
					12- 3-62	23.0
					1- 3-63	22.4
					2- 5-63	23.4
					3- 4-63	20.3
					12- 2-63	22.6

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Huron--continued						
4-1323.00	Hunt Creek	Thunder Bay River	continued		1- 2-64	21.5
					2- 5-64	22.5
					3- 2-64	23.6
					4- 1-64	21.5
					7- 1-64	19.4
					9- 1-64	22.0
					10- 1-64	18.8
					11- 2-64	20.5
					1- 4-65	21.8
					2- 4-65	21.0
					3- 2-65	21.5
					7- 1-65	20.0
					1-10-66	22.6
					4- 4-66	24.6
					7- 5-66	20.5
					10- 5-66	23.0
					1- 3-67	22.4
					7- 5-67	25.9
					10- 2-67	25.0
					1- 3-68	24.0
					4- 3-68	24.8
					7- 1-68	21.2
					10- 1-68	18.6
					1-20-69	25.0
					4-29-69	27.2
4-1326.00	Thunder Bay River	Lake Huron	Lat 45°03'45", long 83°54'15", in SE1/4 sec.23, T.31 N., R.4 E., Montmorency County, 200 ft below dam, at Hillman, Mich.	249	5-28-69	221
					8-13-70	146
4-1330.00	Upper South Branch Thunder Bay River	Thunder Bay River	Lat 45°03'30", long 83°47'00", on line between secs.23 and 26, T.31 N., R.5 E., Alpena County, at Highway 32, 3.5 miles southwest of Lachine, Mich.	171	8-20-68	174
					5-27-69	165
					8-12-70	138
4-1336.00	North Branch Thunder Bay River	do	SE1/4 sec.21, T.32 N., R.3 E., 10 miles northwest of Hillman, Mich.	16	8-13-52	13.3
					6- 3-58	6.72
					7-11-63	1.14
4-1347.00	Wolf Creek	Lower South Branch Thunder Bay River	Lat 44°58'40", long 83°35'30", in NE1/4 sec.28, T.30 N., R.7 E., Alpena County, at Hubbard Lake Road, 4.6 miles southeast of Herron, Mich.	201	10- 2-46	64.7
					11- 4-46	51.1
					12- 5-46	39.7
					1- 6-47	76.6
					2- 3-47	92.5
					4-16-47	435
					4-19-47	495
					4-19-47	400
					5- 7-47	562
					6- 4-47	154
					7- 1-47	58.4
					8- 6-47	36.2
					9- 3-47	35.8
					10- 1-47	71.2
					11- 3-47	121
					12- 2-47	85.7
					1- 6-48	87.8
					2- 3-48	44.4
					3- 2-48	61.9
					3-23-48	710
					3-24-48	571
					4- 7-48	252
					5-10-48	255
					6- 2-48	62.6
					7- 6-48	29.8
					8- 2-48	35.7
					9- 1-48	29.1
					5-27-69	169
					8-12-70	44.0
					4-1347.10	Lower South Branch Thunder Bay River
9-20-45	185					
10-23-45	243					
11-27-45	153					
4- 9-46	169					
5- 8-46	275					
6-18-46	1,130					
7-10-46	248					
4-1348.00	do	do	Lat 45°03'30", long 83°35'00", in SW1/4 sec.21, T.31 N., R.7 E., Alpena County, at State Highway M-32, 4.0 miles northeast of Paxton, Mich.	419	5-27-69	488
					8-12-70	149
4-1354.52	Au Sable River	Lake Huron	SW1/4SW1/4 sec.35, T.28 N., R.4 W., at highway bridge, 1/2 mile southwest of Frederic, Mich.	85	7-12-63	27.6
4-1355.10	East Branch Au Sable River	Au Sable River	NW1/4 sec.18, T.28 N., R.2 W., 12.6 miles northeast of Grayling, Mich.	12.6	7-11-60	5.50
4-1355.15	do	do	SE1/4 sec.19, T.28 N., R.2 W., 11.5 miles northeast of Grayling, Mich.	16.6	7-11-60	11.2

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Huron--continued						
4-1355.20	East Branch Au Sable River	Au Sable River	SW1/4 sec.30, T.28 N., R.2 W., 15 ft upstream from bridge on County Highway 612 and 10.3 miles northeast of Grayling, Mich.	18.9	7-11-60	15.7
4-1355.30	Unnamed tributary	East Branch Au Sable River	SW1/4 sec.36, T.28 N., R.3 W., 300 ft upstream from mouth and 9.0 miles northeast of Grayling, Mich.	3.32	7-11-60	1.74
4-1355.40	East Branch Au Sable River	Au Sable River	SW1/4 sec.36, T.28 N., R.3 W., 700 ft downstream from unnamed tributary and 8.9 miles northeast of Grayling, Mich.	24.4	7-11-60	16.5
4-1355.45	do	do	NW1/4 sec.1, T.27 N., R.3 W., 8.5 miles northeast of Grayling, Mich.	25.2	7-11-60	19.6
4-1355.50	do	do	On line between secs.2 and 11, T.27 N., R.3 W., 5 ft downstream from culvert on truck trail and 7.6 miles northeast of Grayling, Mich.	26.7	7-11-60	22.4
4-1355.60	do	do	SW1/4 sec.14, T.27 N., R.3 W., 150 ft upstream from culverts on truck trail and 5.6 miles northeast of Grayling, Mich.	32.7	7-11-60	24.8
4-1355.65	do	do	SE1/4 sec.22, T.27 N., R.3 W., at culverts on truck trail, 4.9 miles northeast of Grayling, Mich.	33.9	7-11-60	25.9
4-1355.70	do	do	NE1/4 sec.28, T.27 N., R.3 W., 150 ft upstream from end of truck trail and 3.9 miles northeast of Grayling, Mich.	35.1	7-11-60	26.3
4-1355.80	Unnamed tributary	East Branch Au Sable River	SE1/4 sec.29, T.27 N., R.3 W., 130 ft upstream from mouth and 2.7 miles north of Grayling, Mich.	21.1	7-11-60	4.38
4-1355.90	East Branch Au Sable River	Au Sable River	SE1/4 sec.29, T.27 N., R.3 W., 300 ft downstream from unnamed tributary and 2.7 miles north of Grayling, Mich.	60.0	7-11-60	32.9
4-1355.95	do	do	SW1/4 sec.32, T.27 N., R.3 W., 1.0 mile upstream from unnamed tributary and 1.7 miles north of Grayling, Mich.	60.4	7-11-60	37.2
4-1356.00	do	do	NW1/4NW1/4 sec.8, T.26 N., R.3 W., at south boundary of State fish hatchery area at Grayling, 0.4 mile upstream from mouth.	76.0	3-28-58 4- 1-58 4-29-58 5- 1-58 6-27-58 7- 2-58 8- 1-58 9- 2-58 10- 2-58 10-21-58 12- 4-58 1- 2-59 2- 5-59 3- 5-59 4-17-59 5- 4-59 6- 4-59 7- 2-59 8- 5-59 8-25-59 9- 3-59 7-11-60	12.4 35.5 67.8 33.0 26.1 26.0 19.1 21.9 17.6 35.9 34.5 27.3 27.8 22.2 102 79.3 45.9 35.2 30.2 61.9 44.0 40.4
4-1356.10	Shellenbarger Lake outlet	do	SE1/4 sec.8, T.26 N., R.3 W., at Grayling, Mich.		5-29-56	8.26
4-1356.24	Au Sable River	Lake Huron	SE1/4NW1/4 sec.5, T.26 N., R.2 W., 1,500 ft above Stephens Bridge, 7.0 miles west of Grayling, Mich., and 105 miles upstream from mouth.	200	10-18-63 1-20-64 4-27-64 5-27-64 7- 7-64 8-20-64 9-16-64 10-20-64 11- 3-64 12- 4-64 1-21-65 4-19-65 5-26-65 7-27-65 10-11-65 1-17-66 4-11-66 7-26-66 10-26-66 1-23-67 4-19-67	146 146 181 172 125 127 132 134 148 146 133 282 262 136 222 191 206 146 156 200 302

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Huron--continued						
4-1357.00	South Branch Au Sable River	Au Sable River continued			1-19-59	158
					6-19-59	165
					7- 7-59	128
					10-27-59	355
					4-29-60	430
					7-15-60	149
					4-14-61	281
					10-20-61	178
					1-26-62	169
					4-24-62	311
					7- 7-62	130
					1-28-63	136
					4-17-63	239
					7-12-63	158
					10-18-63	122
					1-20-64	164
					10-20-64	123
					11- 3-64	179
					12- 4-64	177
					1-21-65	152
					7-27-65	126
					1-17-66	230
					4-11-66	297
					8-18-66	129
4-1357.05	do	do	NW1/4 sec.20, T.26 N., R.1 W., at Ox Bow Club, 12 miles east of Grayling, Mich.		8-17-66	129
4-1357.18	Au Sable River	Lake Huron	NE1/4 sec.11, T.26 N., R.1 W., at McMaster's Bridge, 7 miles northwest of Luzerne, 16 miles east of Grayling, Mich., and 93.2 miles upstream from mouth.	600	8-18-66	196
4-1357.90	North Branch Au Sable River	Au Sable River	NE1/4NE1/4 sec.13, T.28 N., R.2 W., at bridge on Twin Bridge Road, 1 1/2 miles north of Lovells, Mich.	120	4-16-65	191
					4-19-65	161
4-1358.00	do	do	SE1/4 sec.16, T.27 N., R.1 W., 5 miles south- east of Lovells, Mich.	140	4-19-51	250
					5-15-51	199
					6-28-51	167
					7-26-51	148
					8-27-51	146
					9-20-51	142
					8-12-53	160
					10-14-53	129
					1- 7-54	134
					4-20-54	201
					7-13-54	161
					10- 6-54	175
					1-12-55	154
					4-14-55	218
					7-11-55	132
					10-13-55	128
					1-25-56	129
					4- 9-56	237
					7-23-56	146
					10- 5-56	146
					1- 3-57	123
					4-19-57	148
					7-24-57	132
					10- 4-57	124
					1-24-58	127
					4- 2-58	135
					10- 3-58	123
					1-21-59	113
					6-19-59	136
					7- 7-59	132
					10-27-59	201
					4-29-60	275
					7-15-60	157
					4-14-61	170
					10-20-61	140
					1-26-62	148
					3-30-62	220
					4-24-62	222
					7- 5-62	145
					1-28-63	115
					4-17-63	173
					7-12-63	122
					10-18-63	122
					1-20-64	132
					7-24-64	117
					10-19-64	130
					1-21-65	140
					7-27-65	133
					1-17-66	181
					4-12-66	191
					10-26-66	136
					1-23-67	178
					7-25-67	158
					1-25-68	139
					4-26-68	187
					5-17-68	180
					10-15-68	149
					1-30-69	169

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Huron--continued						
4-1358.50	Middle Branch Big Creek	Big Creek	SE1/4NE1/4 sec.25, T.28 N., R.1 W., at dam, 5.5 miles east of Lovells, Mich.	20	8-19-64	.59
4-1358.55	do	do	NE1/4NE1/4 sec.1, T.27 N., R.1 W., 500 ft below the Hi Lo Club, 6.0 miles southeast of Lovells, Mich.	25	8-19-64	3.39
4-1359.00	Big Creek	North Branch Au Sable River	SW1/4 sec.23, T.27 N., R.1 W., 7 miles southeast of Lovells, Mich.	180	4-19-51 5-15-51 6-28-51 7-26-51 8-23-51 9-20-51 10-29-51 11- 7-51 1-30-52 4-24-52 7-24-52 10-30-52 1-27-53 4-28-53 7-23-53 10-14-53 1- 7-54 4-20-54 7-13-54 10- 6-54 1-12-55 4-13-55 7-11-55 10-13-55 1-25-56 4- 9-56 7-23-56 10- 5-56 1- 3-57 4-19-57 7-24-57 10- 4-57 1-24-58 4- 2-58 10- 3-58 1-21-59 6-19-59 7- 7-59 10-27-59 4-29-60 7-15-60 4-13-61 10-20-61 1-26-62 4-24-62 7- 5-62 1-28-63 4-17-63 7-12-63 10-18-63 1-20-64 7-24-64 10-19-64 1-21-65 7-27-65 1-17-66 4-12-66 10-26-66 1-23-67 7-25-67 1-25-68 4-26-68 5-17-68 10-15-68 1-30-69	192 91.0 67.9 56.2 70.9 59.7 98.5 72.4 70.9 148 250 65.7 81.4 184 56.0 56.0 58.2 119 67.7 91.9 75.8 122 43.4 43.4 48.6 171 83.7 55.5 51.0 102 57.8 51.2 51.1 80.6 51.1 35.0 52.8 49.9 126 136 67.9 86.3 63.9 64.6 139 60.2 57.3 81.9 45.4 48.6 50.0 42.2 47.5 58.4 45.0 112 103 56.4 89.0 102 68.0 104 67.4 75.2 90.5
4-1359.10	North Branch Au Sable River	Au Sable River	SE1/4 sec.1, T.26 N., R.1 W., 1,000 ft above mouth, 12 1/2 miles west of Mio, Mich.		8-17-66	196
4-1359.50	Big Creek	do	NE1/4 sec.13, T.26 N., R.1 E., at bridge on County Road 487, 1.6 miles upstream from mouth, 2 1/2 miles north of Luzerne, Mich.	75	7-12-63 8-17-66 8-18-66	71.1 74.2 74

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Huron--continued						
4-1376.80	Pine River	AuSable River	S1/2 sec.36, T.25 N., R.8 E., near Oscoda, Mich.		7-13-44 11- 2-44 3-27-45	105 77.0 159
4-1379.50	Au Gres River	Lake Huron	Sec.28, T.23 N., R.4 E., near Lupton, Mich.		2-26-45 10-30-45 1- 5-46 4- 2-46 7- 1-46 1-16-47 5-13-47 7-22-47 10- 2-47 12- 9-47 5- 6-47 7-19-47 9-23-47 12- 8-47 4-11-49 8-10-49 10-17-49 12-19-49 4-25-50 7-20-50	2.34 3.17 8.72 41.6 3.04 2.13 60.7 .02 .1 4.59 18.8 3.0 .17 3.28 8.78 1.50 1.06 4.08 31.2 3.72
4-1379.70	East Branch Au Gres River	do	E1/2 sec.8, T.22 N., R.6 E., near Whittemore, Mich.		8-16-44 11- 2-44 3-27-45 10-31-45 1-16-46 4- 3-46 7- 2-46 9-18-46 1-16-47 5-12-47 7-24-47 10- 1-47 12-10-47 5-20-48 7-19-48 10-25-48 12- 8-48 4-11-49 8-10-49 10-18-49 12-19-49 3-29-50 7-20-50 10-24-50 1-23-51 5- 1-51 7-30-51 10-23-51 1-23-52 4-24-52 7-22-52 10-21-52 1-15-53 4-22-53 7-14-53 10-13-53 1-11-54 4-19-54 7-21-54 10-14-54 1-18-55 4-19-55 7-19-55 10-26-55 1-23-56 4-11-56 7-24-56 10-23-56 1-15-57 4-15-57 7-16-57 10-23-57 1-21-58 4-15-58 7-21-58 10-20-58 1-12-59	18.6 18.9 28.2 22.3 47.1 47.7 30.4 17.3 20.5 66.0 22.7 21.1 35.5 43.5 18.2 18.2 18.5 37.0 15.5 17.3 19.4 19.7 22.2 19.4 31.9 87.2 25.6 29.2 54.0 82.4 28.4 21.7 23.2 44.0 35.7 20.9 23.5 60.0 27.7 54.1 32.8 62.0 25.2 22.5 21.5 73.3 26.7 23.3 18.2 42.5 31.5 26.0 19.8 42.3 17.9 17.6 16.0

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Huron--continued						
4-1379.80	Guilay Creek	East Branch Au Gres River	W1/2 sec.9, T.22 N., R.6 E., near Whittemore, Mich.	21	8-16-44	12.8
					11- 2-44	20.8
					11- 2-44	9.00
					3-27-45	15.2
					10-31-45	9.66
					1-16-46	12.2
					4- 3-46	19.3
					7- 2-46	11.6
					9-18-46	11.1
					1-16-47	11.4
					5-12-47	23.6
					7-24-47	13.3
					10- 1-47	13.6
					12-10-47	18.4
					5-20-48	18.5
					7-19-48	11.2
					10-25-48	9.59
					12- 8-48	9.66
					4-11-49	14.8
					8-10-49	9.30
					10-18-49	9.83
					12-19-49	1.94
					3-29-50	28.4
					7-20-50	19.4
					10-24-50	11.4
					1-23-51	24.6
					5- 1-51	27.2
					7-30-51	12.2
					10-23-51	14.8
					1-23-52	14.3
					4-24-52	33.7
					7-22-52	18.0
					10-21-52	12.2
					1-15-53	13.8
					4-22-53	21.8
					7-14-53	17.7
					10-13-53	13.5
					1-11-54	12.9
					4-19-54	21.7
					7-21-54	14.8
					10-14-54	44.6
					1-18-55	15.3
					4-19-55	33.8
					7-19-55	18.8
					10-26-55	12.7
					1-23-56	11.4
					4-11-56	25.4
					7-24-56	14.9
					10-23-56	12.5
					1-15-57	12.9
					4-15-57	14.3
					7-16-57	11.5
					10-23-57	19.8
					1-21-58	12.9
					4-15-58	15.3
					7-21-58	9.34
					10-20-58	10.3
					1-12-59	4.76
					4-15-59	26.8
					7-27-59	13.3
					10-20-59	13.4
					1-12-60	18.8
					6-13-60	20.8
					10-10-60	13.7
					12-20-60	12.4
4-1379.90	East Branch Au Gres River	Lake Huron	NW1/4 sec.28, T.22 N., R.6 E., near National City, Mich.		3-28-50	849
4-1379.95	do	do	SE1/4 sec.28, T.22 N., R.6 E., near National City, Mich.		3-28-50	836
4-1385.60	Gamble Creek	Rifle River	NE1/4NW1/4 sec.25, T.24 N., R.3 E., Ogemaw County, at Doll Rd., 1.2 miles north of Lupton, Mich.	3.17	8-13-69	.18
4-1385.80	do	do	SW1/4SW1/4 sec.25, T.24 N., R.3 E., Ogemaw County, at Heath Rd., 0.4 mile north of Lupton, Mich.	4.45	8-13-69	4.29

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Huron--continued						
4-1386.00	Gamble Creek	Rifle River	Lat 44°25'27", long 84°01'33", in SW1/4SW1/4 sec.36, T.24 N., R.3 E., Ogemaw County, at Lupton Rd., 0.5 mile south of Lupton, Mich.	9.47	8-20-51 6- 4-52 8-25-52 11-26-52 3-19-53 7-12-60 4-15-63 5-10-63 7- 8-63 9-16-63 10- 7-63 1-14-64 6- 8-64 7- 6-64 8- 5-64 8-29-68 10-31-68 8-13-69 6- 2-70	8.63 12.2 9.27 21.8 31.8 9.02 12.3 69.6 8.03 8.43 8.52 8.70 8.50 7.47 7.59 7.64 9.39 9.01 71.1
4-1386.02	do	do	SE1/4 sec.35, T.24 N., R.3 E., 1/4 mile south of Lupton, Mich.	9.74	4- 7-54 4- 8-54 6- 1-59	24.0 40.0 27.4
4-1386.05	Vaughn Creek	Gamble Creek	SE1/4SW1/4 sec.23, T.24 N., R.3 E., Ogemaw County, at end of Oyster Rd., 1.4 miles north of Lupton, Mich.	1.51	8-28-69	.57
4-1386.07	do	do	SE1/4SE1/4 sec.27, T.24 N., R.3 E., Ogemaw County, at Heath Rd., 1.1 miles northwest of Lupton, Mich.	2.60	8-28-69	6.90
4-1386.10	do	do	SE1/4SW1/4 sec.35, T.24 N., R.3 E., at Rose City Rd., 0.9 mile southwest of Lupton, Mich.	3.55	8-20-51 8-25-52 8-29-68 10-31-68	6.68 7.01 5.86 6.61
4-1386.15	Gamble Creek	Rifle River	SE1/4NE1/4 sec.2, T.23 N., R.3 E., at trail road 100 ft below Vaughn Creek and 1.2 miles south of Lupton, Mich.	14.1	8-20-51 8-25-52 8-29-68 10-31-68	14.7 17.1 15.8 18.0
4-1386.17	Oyster Creek	Gamble Creek	SE1/4SW1/4 sec.22, T.24 N., R.3 E., Ogemaw County, at Oyster Rd., 200 ft below Rose Valley Dam, 2.2 miles northwest of Lupton, Mich.	2.52	8-12-69	3.01
4-1386.20	do	do	SE1/4SW1/4 sec.27, T.24 N., R.3 E., Ogemaw County, at Heath Rd., 1.6 miles west of Lupton, Mich.	3.10	8-20-51 8-25-52 8-29-68 10-31-68 8-12-69	2.15 2.41 2.20 2.30 3.22
4-1386.21	Mayhue Creek	Oyster Creek	NE1/4SE1/4 sec.28, T.24 N., R.3 E., Ogemaw County, at McKellar Rd., 2.1 miles northwest of Lupton, Mich.	.88	8-12-69	3.78
4-1386.22	Andrews Creek	Mayhue Creek	SE1/4NE1/4 sec.33, T.24 N., R.3 E., Ogemaw County, at McKellar Rd., 2.0 miles west of Lupton, Mich.	2.38	8-12-69	.52
4-1386.25	Oyster Creek	Gamble Creek	SW1/4SE1/4 sec.34, T.24 N., R.3 E., Ogemaw County, at Rose City Rd., 1.5 miles southwest of Lupton, Mich.	3.64	8-20-51 8-25-52 9-11-52 8-29-68 10-31-68 8-12-69	4.08 1.84 2.46 2.09 2.29 2.53
4-1386.35	Mayhue Creek	Oyster Creek	SE1/4SW1/4 sec.34, T.24 N., R.3 E., Ogemaw County, at Rose City Rd., 1.7 miles southwest of Lupton, Mich.	4.64	8-12-69	4.84
4-1386.45	Oyster Creek	Gamble Creek	NE1/4SW1/4 sec.2, T.23 N., R.3 E., at trail road, 10.4 0.3 mile above mouth, 1.4 miles southwest of Lupton, Mich.	10.4	8-20-51 8-25-52 8-29-68 10-31-68	6.87 7.91 6.95 9.23

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Huron--continued						
4-1386.70	Rifle River	Lake Huron	Continued		1-27-50	105
					2-27-50	25.6
					4-25-50	54.4
					5-25-50	31.6
					6-15-50	18.5
					7-17-50	26.0
					8-20-51	28.1
					8-25-52	29.1
					8-29-68	22.8
10-31-68	28.2					
4-1386.90	Houghton Creek	Rifle River	NW1/4NE1/4 sec.31, T.24 N., R.3 E., Ogemaw County, at Heath Rd., 1.0 mile north of Rose City, Mich.	8.74	8-20-51	6.15
					8-25-52	6.21
					8-29-68	6.01
					10-31-68	7.82
					8-18-69	7.37
4-1386.95	Barber Creek	Bixby Creek	NE1/4NE1/4 sec.36, T.24 N., R.2 E., Ogemaw County, at Heath Rd., 1.2 miles northwest of Rose City, Mich.	1.54	8-18-69	.29
4-1387.00	Bixby Creek	Houghton Creek	Lat 44°26'00", long 84°07'10", in NE1/4NW1/4 sec.31, T.24 N., R.3 E., Ogemaw County, at bridge on State Highway 33, 0.9 mile north of Rose City, Mich.	2.68	6- 2-52	.84
					7-21-52	2.02
					11-26-52	4.47
					3-19-53	22.5
					3-24-53	8.09
					7- 1-53	34.3
					4- 4-54	13.3
					7-12-60	.55
					4-15-63	1.58
					5-10-63	93.9
					7- 8-63	.65
					9-16-63	.79
					10- 7-63	.80
					1-14-64	.87
					7- 7-64	.24
					6- 2-70	30.0
					4-1387.10	Houghton Creek
8-25-52	8.13					
8-29-68	9.19					
10-31-68	11.2					
4-1387.50	Sandback Creek	Houghton Creek	SE1/4 sec.31, T.24 N., R.3 E., at State Highway 33, 0.1 mile above mouth, 0.2 mile north of Rose City, Mich.	1.13	8-20-51	7.82
					6- 2-52	19.3
					6-25-52	32.2
					8-25-52	5.19
					3-25-53	43.6
					8-29-68	7.92
					10-31-68	7.30
4-1387.90	Houghton Creek	Rifle River	SE1/4 sec.31, T.24 N., R.3 E., below Sandback Creek, 0.3 mile north of Rose City, Mich.	13.1	8-20-51	16.3
					8-25-52	15.2
					8-29-68	17.2
					10-31-68	18.6
4-1388.00	do	do	Lat 44°25'15", long 84°06'25", in NE1/4NE1/4 sec.6, T.23 N., R.3 E., Ogemaw County, at bridge on Rose City Road, 0.3 mile east of Rose City, Mich.	13.3	6- 2-52	29.5
					6-25-52	38.1
					6-25-52	9.69
					3-19-53	96.4
					3-24-53	79.9
					4- 7-54	66.8
					4- 8-54	106
					7-12-60	17.5
					3-26-63	283
					4-15-63	20.2
					7- 8-63	17.7
					9-16-63	17.7
					10- 7-63	16.6
					1-14-64	19.5
7- 6-64	16.0					
8- 6-64	14.3					
6- 2-70	102					
4-1388.10	do	do	NE1/4 sec.6, T.23 N., R.3 E., at Beechwood Rd., 0.6 mile southeast of Rose City, Mich.	14.1	8-20-51	17.8
					8-25-52	15.6
					8-29-68	17.6
					10-31-68	20.1
					8-18-69	17.0
4-1388.20	do	do	SE1/4SW1/4 sec.5, T.23 N., R.3 E., at Flynn Rd., 1.4 miles southeast of Rose City, Mich.	15.0	8-20-51	17.6
					8-25-52	15.2
					8-29-68	18.1
					10-31-68	21.2
4-1388.40	Wilkins Creek	Houghton Creek	NW1/4NE1/4 sec.11, T.23 N., R.2 E., Ogemaw County, at Houghton Creek Rd., 20 miles southwest of Rose City, Mich.	3.61	8-27-69	1.60
4-1388.46	Krug Creek	Wilkins Creek	NW1/4SW1/4 sec.12, T.23 N., R.2 E., Ogemaw County, at mouth, at Campbell Rd., 2.2 miles southwest of Rose City, Mich.	2.71	8-27-69	2.50

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Huron--continued						
4-1388.50	Wilkins Creek	Houghton Creek	SW1/4 sec.12, T.23 N., R.2 E., below Krug Creek, 0.1 mile downstream from Campbell Rd., 2.2 miles southwest of Rose City, Mich.	7.63	8-20-51 8-25-52 8-29-68 10-31-68 8-27-69	9.40 8.74 8.50 9.37 9.54
4-1389.00	do	do	Lat 44°24'15", long 84°06'50", in NE1/4NW1/4 sec.7, T.23 N., R.3 E., Ogemaw County, at bridge on State Highway 33, 1.1 miles south of Rose City, Mich.	9.15	8-20-51 6- 3-52 8-25-52 3-19-53 4- 7-54 4- 8-54 4-12-54 6- 1-54 7-12-60 3-26-63 4-15-63 5-10-63 7- 8-63 9-16-63 10- 7-63 1-14-64 7- 6-64 8-29-68 10-31-68 8-27-69 6- 2-70	14.9 16.9 16.4 51.8 27.6 33.9 16.8 30.0 17.4 152 18.2 140 16.7 17.1 15.8 15.4 15.1 14.0 17.3 17.0 78.9
4-1389.30	do	do	NE1/4NW1/4 sec.8, T.23 N., R.3 E., at Flynn Rd., 1.5 miles southeast of Rose City, Mich.	11.1	8-20-51 8-25-52 8-29-68 10-31-68	16.2 16.9 17.6 17.9
4-1389.50	Houghton Creek	Rifle River	SE1/4SW1/4 sec.4, T.23 N., R.3 E., at Schmitt Rd., 2.2 miles southeast of Rose City, Mich.	27.0	8-20-51 8-25-52 8-29-68 10-31-68	35.6 34.8 32.8 37.6
4-1395.08	Skunk Creek	do	SE1/4SE1/4 sec.12, T.23 N., R.3 E., Ogemaw County, at Wiltse Rd., 2.6 miles south of Lupton, Mich.	4.76	8-19-69	.20
4-1395.10	do	do	NW1/4NE1/4 sec.14, T.23 N., R.3 E., Ogemaw County, at trail road, 200 ft upstream from mouth, 2.9 miles south of Lupton, Mich.	8.31	10-31-68 8-11-69	.74 .33
4-1395.20	Rifle River	Lake Huron	SW1/4SW1/4 sec.14, T.23 N., R.3 E., near trail road, 0.9 mile west of Lost Lake, 4.7 miles north of Selkirk, Mich.	66.4	8-20-51 8-25-52 8-29-68 10-31-68	58.0 57.4 60.8 77.5
4-1395.40	Unnamed tributary	Rifle River	SW1/4NW1/4 sec.23, T.23 N., R.3 E., Ogemaw County, at trail road, 300 ft upstream from mouth, 4.3 miles north of Selkirk, Mich.	4.06	10-31-68 8-11-69	.12 .07
4-1395.50	Rifle River	Lake Huron	SE1/4 sec.22, T.23 N., R.3 E., at Sage Lake Rd., 3.6 miles north of Selkirk, Mich.	74.5	8-20-51 8-25-52 8-29-68 10-31-68	56.8 57.7 62.4 72.0
4-1396.00	do	do	SW1/4SE1/4 sec.27, T.23 N., R.3 E., at camp-ground at end of Twin Lake Rd., 2.6 miles north of Selkirk, Mich.	76.7	8-20-51 8-25-52 8-29-68 10-31-68	59.6 58.6 61.1 76.5
4-1396.20	Henderson Lake outlet	Rifle River	SW1/4NW1/4 sec.1, T.22 N., R.3 E., at Pettit Rd., 2.6 miles northeast of Selkirk, Mich.	1.54	10-31-68	0
4-1396.50	Rifle River	Lake Huron	NW1/4NW1/4 sec.3, T.22 N., R.3 E., at Peters Rd., 1.5 miles north of Selkirk, Mich.	83.2	8-20-51 8-25-52 8-29-68 10-31-68	60.1 62.8 64.0 88.2
4-1396.90	Prior Creek	Rifle River	NW1/4 sec.24, T.23 N., R.2 E., at Esmond Rd., 3.2 miles southwest of Rose City, Mich.	3.51	8-20-51 8-25-52 8-29-68 10-31-68	3.60 2.97 3.02 4.25
4-1397.00	do	do	NE1/4 sec.19, T.23 N., R.3 E., at bridge on State Highway 33, 3.2 miles south of Rose City, Mich.	4.70	8-20-51 6- 3-52 11-26-52 8-25-52 3-19-53 3-23-53 3-24-53 4- 8-54 7-12-60 8-29-68 10-31-68	3.56 5.28 13.0 3.53 36.4 42.0 26.6 34.9 3.70 3.44 4.99
4-1398.00	do	do	NE1/4 sec.19, T.23 N., R.3 E., at bridge on Morrison Rd., 3.1 miles south of Rose City, Mich.	4.86	8-20-51 8-25-52 8-29-68 10-31-68	4.14 3.59 3.81 5.38

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Huron--continued						
4-1398.50	North Branch Prior Creek	Prior Creek	SW1/4 sec.17, T.23 N., R.3 E., at culvert on Morrison Rd., 3.0 miles south of Rose City, Mich.	1.51	8-20-51 8-25-52 8-29-68 10-31-68	.61 .72 .94 1.20
4-1398.70	Bailer Creek	do	NW1/4 sec.20, T.23 N., R.3 E., at culvert on Morrison Rd., 3.5 miles south of Rose City, Mich.	5.55	8-20-51 8-25-52 8-29-68 10-31-68	.14 .17 .09 .52
4-1398.80	Prior Creek	Rifle River	SW1/4 sec.21, T.23 N., R.3 E., at Sage Lake Rd., 3.5 miles north of Selkirk, Mich.	14.9	8-20-51 8-25-52 10-21-68	5.24 4.82 7.06
4-1398.90	South Branch Ammond Creek	Ammond Creek	NE1/4 sec.36, T.23 N., R.2 E., at bridge on State Highway 33, 5 1/4 miles south of Rose City, Mich.	1.14	5-20-59	1,710
4-1398.95	North Branch Ammond Creek	do	SE1/4 sec.25, T.23 N., R.2 E., at bridge on State Highway 33, 4 3/4 miles south of Rose City, Mich.	.65	5-20-59	1,210
4-1399.00	Ammond Creek	Prior Creek	NW1/4NW1/4 sec.32, T.23 N., R.3 E., at Morrison Rd., 2.9 miles northwest of Selkirk, Mich.	3.10	6-11-52 11-26-52 3-19-53 3-24-53 7-12-60 3-26-63 4-15-63 7- 8-63 9-16-63 10- 7-63 1-14-64 7- 7-64 10-31-68	1.00 3.65 44.4 6.55 1.01 193 1.54 .98 1.18 1.13 1.72 .38 1.96
4-1401.40	Klacking Creek	Rifle River	SE1/4NE1/4 sec.34, T.23 N., R.2 E., Ogemaw Coutny, at end of Mud Lake Road, 5.1 miles northwest of Selkirk, Mich.	4.08	8-27-69	2.13
4-1401.50	Little Klacking Creek	Klacking Creek	NE1/4NW1/4 sec.35, T.23 N., R.2 E., Ogemaw County, at Ogemaw Center Rd., 4.8 miles north-west of Selkirk, Mich.	.54	8-27-69	1.33
4-1401.60	do	do	SE1/4SE1/4 sec.35, T.23 N., R.2 E., Ogemaw County, at Peters Rd., 4 miles west of Selkirk, Mich.	1.03	8-27-69	3.46
4-1402.00	Klacking Creek	Rifle River	Lat 44°20'00", long 84°04'40", in NE1/4NE1/4 sec.2, T.22 N., R.2 E., Ogemaw County, at bridge on Campbell Road, 4.0 miles northwest of Selkirk, Mich.	7.51	8-20-51 6- 3-52 7-23-52 8-25-52 3-19-53 3-24-53 7-12-60 3-26-63 4-15-63 5-10-63 7- 8-63 9-16-63 10- 7-63 1-14-64 7- 7-64 8-29-68 10-31-68 8-27-69 11-12-69 6- 2-70	13.7 13.8 21.3 9.97 35.4 29.1 12.7 90.4 14.2 85.3 11.4 13.4 12.0 12.6 11.4 12.5 11.2 10.8 13.8 85.2
4-1402.50	do	do	NE1/4 sec.1, T.22 N., R.2 E., at State Highway 33, 1.6 miles northeast of Campbells Corners, Mich.	8.50	8-20-51 8-25-52 8-29-68 10-31-68	13.3 13.0 11.7 13.1
4-1403.00	do	do	SW1/4NW1/4 sec.5, T.22 N., R.3 E., at Morrison Rd., 2.1 miles northwest of Selkirk, Mich.	9.22	8-20-51 8-25-52 8-29-68 10-31-68	14.1 12.2 12.5 14.2
4-1404.00	do	do	SE1/4 sec.4, T.22 N., R.3 E., 100 ft above mouth, 0.9 mile north of Selkirk, Mich.	9.95	8-20-51 8-25-52 8-29-68 10-31-68	12.8 13.5 11.8 14.0

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Huron--continued						
4-1411.00	Shepards Creek	Rifle River	Lat 44°18'20", long 84°05'00", in SE1/4SE1/4 sec.8, T.22 N., R.3 E., Ogemaw County, at bridge on Bedtelyon Road, 1.1 miles southwest of Selkirk, Mich.	4.44	6-11-52 7-21-52 3-19-53 3-23-53 3-24-53 4- 8-54 7-12-60 4-15-63 7- 8-63 9-16-63 10- 7-63 1-14-64 7- 7-64 6- 2-70	.17 3.38 41.6 23.7 12.2 6.40 .24 .87 .12 .07 .24 .28 .07 124
4-1411.10	Rifle River	Huron River	NW1/4NW1/4 sec.3, T.21 N., R.3 E., on left bank 20 ft downstream from Peterson Creek, 4 3/4 miles south of Selkirk, Mich.	130	7- 1-64 7- 6-64 8- 5-64	62.5 71.7 80.6
4-1412.00	Crane Creek	Crapo Creek	Lat 44°18'56", long 84°13'05", in SW1/4NE1/4 sec.8, T.22 N., R.2 E., Ogemaw County, at culverts on Roesser Road, 2.9 miles northeast of West Branch, Mich.	3.5	11-12-69	2.87
4-1412.50	Crapo Creek	Rifle Creek	Lat 44°19'13", long 84°12'15", in SW1/4SW1/4 sec.4, T.22 N., R.2 E., Ogemaw County, at culverts on Eagle Road, 3.6 miles northeast of West Branch, Mich.	1.5	11-12-69	6.84
4-1413.00	Rifle Creek	West Branch Rifle River	Lat 44°17'33", long 84°12'00", in SE1/4SW1/4 sec.16, T.22 N., R.2 E., Ogemaw County, at bridge on State Road, 2.2 miles northeast of West Branch, Mich.	9.0	11-12-69	15.0
4-1413.50	Ogemaw Creek	Rifle River	NE1/4 sec.30, T.22 N., R.2 E., West Branch, Mich.		8-16-44	8.86
4-1415.00	West Branch Rifle River	do	NE1/4 sec.31, T.22 N., R.3 E., on left bank half a mile downstream from Campbell Creek, 4 miles southwest of Selkirk, Mich.	52	10- 9-64 1-15-64	29.6 28.0
4-1431.00	North Branch Pine River	Pine River	Lat 44°00'45", long 83°57'30", in NW1/4 sec.35, T.19 N., R.4 E., Arenac County, at Grove Road, 1.8 miles north of Standish, Mich.	25	7-27-70	2.82
4-1431.50	Pine River	Lake Huron	Lat 44°00'05", long 83°56'10", in SE1/4 sec.36, T.19 N., R.4 E., Arenac County, at Foco Road, 2.1 miles northeast of Standish, Mich.	44	7-27-70	2.89
4-1432.00	Pinconning River	do	Pinconning, Mich.		4-14-42 4-14-42	2.74 4.19
4-1437.00	Shiawassee River	Saginaw River	NE1/4 sec.12, T.4 N., R.7 E., at Eagle Rd., 2.0 miles northwest of Davisburg, Mich.	11.6	1-24-66 4-14-66 7-25-66 10-13-66 1- 6-67 5-25-67 9-12-67 3- 5-68	5.70 6.69 2.65 3.76 6.91 6.18 3.78 7.91
4-1437.90	Buckhorn Creek	Shiawassee River	SW1/4 sec.22, T.4 N., R.7 E., at Water Rd., at Rose Center, Mich.	11.9	7-25-66 5-24-67 9-12-67	.48 3.24 1.27
4-1438.00	do	do	Lat 42°45'20", long 83°35'49", in N1/2 sec.14, T.4 N., R.7 E., Oakland County, at Davisburg Rd., 2.9 miles southeast of Holly, Mich.	22.0	1-24-66 4-14-66 7-25-66 10-13-66 1- 6-67 5-24-67 9-12-67 3- 5-68	5.60 8.17 1.94 5.30 6.67 9.84 4.28 9.94
4-1438.20	Shiawassee River tributary	do	SW1/4 sec.3, T.4 N., R.7 E., at Fenton Rd., at Holly, Mich.	6.90	7-25-66 5-24-67 9-12-67	.007 1.76 .01
4-1438.30	Shiawassee River	Saginaw River	At corner of secs.28, 29, 32, 33, T.5 N., R.7 E., at Fish Lake Rd., at Holly, Mich.	49.2	8-22-55 7-10-63 2-25-66 4-14-66 7-25-66 10-13-66 1- 6-67 5-24-67 9-12-67 3- 5-68	9.89 5.7 26.4 28.9 5.64 15.4 16.7 22.4 12.8 25.4

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Huron--continued						
4-1438.60	Shiawassee River	Saginaw River	SW1/4 sec.23, T.5 N., R.6 E., at Torrey Rd., 1/4 mile northwest of Fenton, Mich.		7-10-63 9- 1-66	5.2 12.4
4-1439.10	do	do	NW1/4 sec.26, T.5 N., R.5 E., at Seymour Rd., 1 mile north of Argentine, Mich.		5-13-66 5-20-66 5-24-66 6- 2-66 6- 2-66 6- 9-66 6-17-66 6-23-66 7-12-66 7-29-66 8- 5-66 8-22-66 9- 1-66 9-14-66 9-30-66 10- 7-66 11- 1-66	52.9 60.0 49.8 17.5 18.7 14.2 28.6 28.0 9.45 5.06 4.06 10.4 12.7 8.87 34.8 19.7 13.9
4-1439.40	Lobdell Lake outlet	Shiawassee River	E1/2 sec.27, T.5 N., R.5 E., Lobdell Lake outlet, 1/2 mile north of Argentine, Mich.		9- 1-66	20.2
4-1439.55	Shiawassee River	Saginaw River	W1/2 sec.20, T.5 N., R.5 E., 3 miles northwest of Argentine, Mich.		10-21-58 4- 1-59	19.3 310
4-1439.95	South Branch Shiawassee River	Shiawassee River	W1/4 sec.24, T.5 N., R.4 E., at bridge on Byron Rd., at Byron, Mich.		7-10-63	15.2
4-1440.50	Holly Drain	do	South line sec.6, T.6 N., R.4 E., at Main St., Vernon, Mich.		9-14-66	1.04
4-1440.55	Shiawassee River	Saginaw River	Center sec.6, T.6 N., R.4 E., at State Highway 71, at northeast village limits of Vernon, Mich.	457	6-28-65 7- 2-65 7- 6-65 8-23-66 8-24-66 8-25-66 8-26-66 9-14-66	45.3 36.5 41.3 55.2 55.4 54.5 51.4 43.8
4-1442.30	Webb Drain	Shiawassee River	On a line between secs.1 and 12, T.6 N., R.4 E., Shiawassee County, at Bennington Rd., 3.0 miles northeast of Durand, Mich.	34.2	9-22-69	.32
4-1442.40	do	do	On a line between secs.33 and 34, T.6 N., R.4 E., Shiawassee County, at Durand Rd., 2.5 miles northeast of Vernon, Mich.	42.0	9-22-69	1.54
4-1453.00	Brady Creek	Bad River	Lat 43°17'00", long 84°32'40", on line between secs.3 and 4, T.10 N., R.2 W., Gratiot County, at Baldwin Road, 3 miles east of Ithaca, Mich.		10-28-69	11.9
4-1457.00	South Fork Bad River	do	Sec.5, T.10 N., R.3 E., at bridge on State Highway 47, at St. Charles, Mich.		7-12-63	.1
4-1458.00	Beaver Creek	do	E1/2 sec.5, T.10 N., R.3 E., at mouth at St. Charles, Mich.		7-12-63	0
4-1458.20	Bottom Creek	North Branch Flint River	SE1/4 sec.8, T.9 N., R.11 E., 1/4 mile above mouth and 1 mile south of North Branch, Mich.		8-24-55	3.91
4-1458.30	Grave Creek	do	SE1/4 sec.7, T.9 N., R.11 E., 1 1/2 miles southwest of North Branch, Mich.		8-24-55	1.62
4-1458.40	Squaw Creek	do	SE1/4 sec.21, T.10 N., R.10 E., 6 miles northwest of North Branch, Mich.		8-24-55	0
4-1458.50	North Branch Flint River	Flint River	SE1/4 sec.8, T.9 N., R.10 E., 1/4 mile downstream from bridge on State Highway 24, 6 miles northeast of Columbiaville, Mich.		8-24-55 7-10-63 10-18-63	7.17 9.3 6.64
4-1459.20	South Branch Flint River	do	NE1/4 sec.3, T.5 N., R.10 E., at Davison Lake Rd., 2.0 miles east of Thomas, Mich.	11.9	4-14-66 7-25-66 5-24-67 9-12-67	5.11 .61 9.19 .49
4-1459.25	Pine Creek	South Branch Flint River	NE1/4 sec.10, T.7 N., R.10 E., 2 1/2 miles east of Lapeer, Mich.		8-25-55	1.59
4-1459.35	South Branch Flint River	Flint River	Sec.4, T.7 N., R.10 E., at bridge on Peppermill Rd., 1 mile east of Lapeer, Mich.		7-10-63 10-18-63	5.5 7.11
4-1459.38	Hunters Creek	South Branch Flint River	SW1/4 sec.8, T.7 N., R.10 E., 3 1/4 miles south of Lapeer, Mich.		8-25-55	2.55

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Huron--continued						
4-1459.45	Spring Bank Creek	Farmers Creek	NW1/4 sec.28, T.6 N., R.9 E., at Jasmond Rd., 3 1/2 miles south of Hadley and 5 miles north-east of Ortonville, Mich.	2.05	8-25-55 9-20-55 1-26-56 4-24-56 6- 7-56 8- 3-56 8-22-56 9-20-56 10-22-56 11-13-56 3-25-58 5- 9-58 9-16-58 6- 9-59 9-15-59 4-22-60 8- 2-60 10-12-60 1-13-61 5-23-61 9-12-61 3-27-62 7-19-62 9-28-62 5-16-63	.11 .20 .17 .71 .50 .30 .60 .30 .26 .40 .12 .37 .04 .16 .10 1.68 .12 .28 .31 .45 .21 2.77 .02 .22 .86
4-1459.50	do	do	NW1/4 sec.20, T.6 N., R.9 E., at Hegel Rd., 3 miles southwest of Hadley, Mich.	3.18	8-25-55 9-20-55 1-26-56 4-24-56 6- 7-56 8- 3-56 8-22-56 9-20-56 10-15-56 10-22-56 11-13-56 3-25-58 5- 9-58 9-16-58 6- 9-59 9-15-59 4-22-60 8- 2-60 10-12-60 1-13-61 5-23-61 9-12-61 3-27-62 7-19-62 9-28-62 5-16-63	.19 .35 .24 1.34 1.14 .80 .99 .74 .71 .78 .89 .91 .88 .08 .30 .11 3.50 .40 .55 .64 .97 .51 4.79 .08 .39 1.34
4-1460.50	Plum Creek	South Branch Flint River	NE1/4 sec.19, T.8 N., R.10 E., at highway bridge, 3 miles north of Lapeer, Mich.		8-25-55	.98
4-1460.60	South Branch Flint River	Flint River	SE1/4 sec.36, T.9 N., R.9 E., at bridge on Norway Lake Rd., 3 miles southeast of Columbiaville, Mich.		8-24-55 7-10-63	23.1 15.4
4-1465.00	Flint River	Shiawassee River	Sec.33, T.9 N., R.9 E., at Columbiaville, Mich. at former gage site.		3-27-54	1,500
4-1479.85	Butternut Creek	Flint River	NE1/4NW1/4 sec.30, T.9 N., R.8 E., at bridge on State Highway 57, 2 miles west of Otisville, Mich.		4-22-52 5- 6-52 10- 7-52 4-23-53	18.8 6.30 1.21 9.44
4-1479.95	do	do	Lat 43°07'16", long 83°35'44", in NW1/4NW1/4 sec.12, T.8 N., R.7 E., Genesee County, 1 mile northeast of Genesee, Mich.	36	4-22-52 5- 6-52 6-25-52 10- 7-52 4-23-53 7-27-53 8-20-53 9-10-53 10-13-53 11- 7-53 12-15-53 3-26-54 8-20-54 3-25-58 5- 9-58 9- 3-58 10-21-58 3-13-70	33.1 14.9 7.66 5.04 16.8 4.42 6.02 4.38 5.44 4.39 5.79 128 4.57 20.1 9.66 4.57 4.28 6.52
4-1480.10	Kearsley Creek	do	S1/2 sec.10, T.5 N., R.9 E., at Sashabaw Rd., 2 1/2 miles east of Oakwood, Mich.	3.00	7-25-66 5-24-67 9-12-67	0 1.34 .005
4-1480.15	do	do	SE1/4 sec.18, T.5 N., R.9 E., at Granger Rd., 1 1/4 miles southeast of Ortonville, Mich.	5.98	7-25-66 5-24-67 9-12-67	.64 4.60 1.94

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Huron--continued						
4-1480.20	Kearsley Creek	Flint River	SE1/4 sec.18, T.5 N., R.9 E., at Granger Rd., at Ortonville, Mich.	19.7	2-23-66	6.80
					4-14-66	12.3
					7-25-66	1.44
					10-13-66	2.56
					1-11-67	10.1
					5-24-67	12.8
					9-12-67	3.43
					3- 5-68	12.0
4-1480.30	Duck Creek	Kearsley Creek	NW1/4 sec.18, T.5 N., R.9 E., at South Street, at Ortonville, Mich.	7.23	2-23-66	2.46
					4-14-66	3.08
					7-25-66	1.18
					10-13-66	1.54
					1- 6-67	3.02
					5-24-67	4.00
					9-12-67	1.71
					3- 5-68	3.96
4-1481.00	Lime Lake outlet	do	SE1/4 sec.31, T.6 N., R.9 E., at outlet of Lake, 2 miles north of Ortonville, Mich.	.61	8-25-55	.28
					9-20-55	.20
					1-25-56	.39
					4-24-56	.41
					6- 7-56	.55
					8- 2-56	.31
					8-22-56	.46
					9-20-56	.37
					10-15-56	.40
					10-22-56	.28
					11-13-56	.47
					3-25-58	.42
					5- 9-58	.46
					9-16-58	.36
					6- 9-59	.25
					9-15-59	.23
					4-22-60	.70
					8- 2-60	.43
					10-12-60	.38
					1-13-61	.37
					5-23-61	.37
9-12-61	.39					
3-27-62	.50					
7-19-62	.22					
9-28-62	.32					
5-16-63	.41					
4-1481.30	Kearsley Creek	Flint River	NW1/4 sec.18, T.7 N., R.8 E., 3 1/2 miles east of Flint, Mich.	70.0	4-22-52	84.9
					5- 6-52	33.4
					10- 7-52	5.76
					4-23-53	53.6
					8-25-55	10.2
4-1481.38	Black Creek	Kearsley Creek	NE1/4 sec.8, T.7 N., R.8 E., at bridge, 1 mile west of Davison, Mich.		4-22-52	16.2
					5- 6-52	2.14
					10- 7-52	.67
					4-23-53	9.33
					12-15-53	1.07
					3-26-54	72.6
8-25-55	.70					
4-1481.42	Kearsley Creek	Flint River	NW1/4SE1/4 sec.2, T.7 N., R.7 E., 1 1/2 miles east of Flint, Mich.	99.6	4-22-52	109
					5- 6-52	36.0
					6-25-52	3.73
					10- 7-52	6.58
					4-24-53	60.2
					7-27-53	9.13
					8-20-53	8.28
					9-10-53	8.89
					10-13-53	12.0
					11- 6-53	11.1
					12-15-53	22.4
					3-26-54	260
					8-20-54	9.09
					3-25-58	61.7
5- 9-58	23.4					
9- 3-58	11.8					
10-21-58	9.66					
4- 2-59	591					
4-1481.60	Gilkey Creek	do	Lat 43°01'27", long 83°37'32", in NE1/4SW1/4 sec.10, T.7 N., R.7 E., Genesee County, at Arapaho St., 3.5 miles east of Flint, Mich.	6.9	6-10-69	1.22
					6-10-69	1.36
4-1481.75	do	do	NE1/4 sec.7, T.7 N., R.7 E., Genesee County, at Lewis St., 0.2 mile upstream from mouth, at Flint, Mich.	13.4	6-10-69	5.64
4-1481.88	Swartz Creek	do	NW1/4 sec.31, T.5 N., R.8 E., at Worden Rd., 3.6 miles east of Holly, Mich.		10-12-66	.07

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Huron--continued						
4-1482.60	Swartz Creek	Flint River	SE1/4 sec.28, T.7 N., R.6 E., at State Highway 121, 1.5 miles east of Otterburn, Mich.	65.0	4-21-52 5- 5-52 10- 6-52 4-23-53 7-27-53 8-20-53 9-10-53 10-13-53 11- 6-53 8-20-54 3-25-58 5- 9-58 9- 3-58 10-15-58 10-14-63	126 27.0 2.55 47.6 1.90 4.68 .93 1.51 4.11 1.44 36.0 12.8 .59 1.33 0
4-1482.70	West Branch Swartz Creek	Swartz Creek	NW1/4NW1/4 sec.33, T.7 N., R.6 E., at bridge on State Highway 121, 1 mile east of Otterburn, Mich.	40.1	4-21-52 5- 5-52 10- 6-52 4-23-53 12-15-53 3-26-54 3-25-58 5- 9-58 9- 3-58 10-16-58	26.0 6.64 .77 12.8 1.10 119 14.0 4.79 .80 .75
4-1483.00	Swartz Creek	Flint River	NW1/4NW1/4 sec.26, T.7 N., R.6 E., at bridge on Ballenger Rd., (Rablee Rd.) at Flint, Mich.	108	4-21-52 5- 6-52 6-25-52 10- 6-52 4-24-53 7-27-53 8-20-53 9-10-53 10-13-53 11- 6-53 12-15-53 3-27-54 8-20-54 4- 1-59	150 33.2 6.67 3.03 54.3 2.94 4.93 1.65 2.89 4.98 8.49 249 1.99 194
4-1483.05	Carman Creek	Swartz Creek	SE1/4 sec.25, T.7 N., R.6 E., Genesee County, at Fenton Rd., in Flint, Mich.	8.8	6-11-69 6-11-69	2.31 4.5
4-1483.95	Thread Creek	do	NE1/4 sec.29, T.5 N., R.8 E., at McGinnis Rd., 4 1/2 miles north of Davisburg and 5 miles east of Holly, Mich.	7.56	8-24-55 9-20-55 1-25-56 4-24-56 6- 7-56 8- 2-56 8-22-56 9-20-56 10-15-56 11-13-56 3-25-58 5- 9-58 9-15-58 6- 9-59 9-16-59 4-22-60 8- 2-60 10-11-60 1-13-61 5-23-61 9-12-61 3-27-62 7-19-62 9-28-62 4-16-63	1.48 1.02 1.32 1.82 2.62 1.16 2.50 .94 1.02 1.89 2.03 1.37 1.08 1.38 .93 3.41 1.10 1.01 1.25 1.36 1.12 3.33 .71 .89 .91
4-1484.00	do	do	Lat 42°50'40", long 83°33'09", in SE1/4 sec.18, T.5 N., R.8 E., Oakland County, at Groveland Mills, 5.5 miles northeast of Holly, Mich.	12.2	8-24-55 9-20-55 1-25-56 4-24-56 6- 7-56 8- 3-56 8-22-56 9-20-56 10-15-56 11-13-56 12-12-56 1- 9-57 2-20-57 3-23-57 4-24-57 5-29-57 6-26-57 7-29-57 8-26-57 9-13-57 10-15-57	2.86 1.38 2.02 3.25 4.28 2.31 4.40 2.58 2.15 3.45 3.14 3.09 4.74 5.98 7.92 6.19 3.63 2.97 2.51 3.49 2.00

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Huron--continued						
4-1484.20	Thread River	Swartz Creek	SE1/4 sec.11, T.6 N., R.7 E., Genesee County, at Belsay Rd., 1.8 miles northeast of Grand Blanc, Mich.	17.4	6-11-69 6-11-69	20.7 20.9
4-1484.30	do	do	NE1/4 sec.15, T.6 N., R.6 E., at east limits of Grand Blanc, Mich.		4-22-52 5- 6-52	43.7 11.6
4-1484.38	do	do	SW1/4 sec.33, T.7 N., R.7 E., at bridge, 2 miles north of Grand Blanc, Mich.		8-23-55	2.73
4-1484.50	do	do	SE1/4NE1/4 sec.20, T.7 N., R.7 E., at bridge on U.S. Highway 10 at Flint, Mich.	61.8	4-21-52 5- 6-52 6-25-52 10- 7-52 4-23-52 7-27-53 8-20-53 9-10-53 10-13-53 11- 6-53 12-15-53 3-26-54 8-20-54 3-25-58 5- 9-58 9- 3-58 10-21-58 4- 1-59	58.8 15.5 3.76 3.33 35.1 2.93 3.90 2.25 4.25 7.48 11.9 161 3.06 30.9 10.1 1.87 2.91 95.5
4-1484.60	do	do	NW1/4NW1/4 sec.19, T.7 N., R.7 E., Genesee County, at Fenton Rd., 0.2 mile upstream from mouth, at Flint, Mich.	42.0	6-11-69	30.4
4-1484.65	Swartz Creek	Flint River	NE1/4 sec.13, T.7 N., R.6 E., Genesee County, at Kearsley St., 0.2 mile upstream from mouth, at Flint, Mich.	54.3	6-12-69	78.0
4-1486.00	Flint River	Shiawassee River	SE1/4 sec.27, T.8 N., R.5 E., at Flushing, Mich.		5-25-54 10-21-58 4- 2-59	190 137 4,740
4-1486.50	Armstrong Creek	Flint River	NE1/4 sec.27, T.9 N., R.5 E., at McKinley Rd., 1 mile southeast of Montrose, Mich.		6- 9-66 6-17-66 6-23-66 7-29-66 9- 9-66 11- 1-66 5-17-67	4.4 1.90 1.14 2.87 .28 .39 4.10
4-1487.60	Flint River	Shiawassee River	On line between secs.16 and 21, T.9 N., R.5 E., at Montrose, Mich.		4- 2-59	5,260
4-1487.20	Brent Run	Flint River	NE1/4 sec.23, T.9 N., R.5 E., at bridge on Morrish Rd., 2 1/2 miles east of Montrose, Mich.		8-23-55 10-17-63	13.2 5.00
4-1487.40	South Branch Brent Run	Brent Run	SE1/4 sec.23, T.9 N., R.5 E., 2 1/2 miles east of Montrose, Mich.		10-17-63	0
4-1487.44	Brent Run	Flint River	SE1/4 sec.15, T.9 N., R.5 E., at State Highway 57, 1 mile east of Montrose, Mich.		6- 9-66 6-17-66 6-23-66 7-29-66 9- 9-66 11- 1-66 5-17-67	10.2 7.9 4.51 4.71 5.41 3.59 10.2
4-1487.45	do	do	N1/2 sec.15, T.9 N., R.5 E., at bridge on McKinley Rd., 2 miles northeast of Montrose, Mich.		7-12-63	5.2
4-1487.98	Pine Run	do	SE1/4 sec.16, T.9 N., R.6 E., at highway bridge 1/2 mile west of Clio, Mich.		8-23-55	2.15
4-1488.20	do	do	SW1/4 sec.22, T.10 N., R.5 E., at bridge on Morseville Rd., 1 1/2 miles north of Morseville, Mich.		7-12-63	.6
4-1491.00	Birch Run	do	NW1/4 sec.6, T.10 N., R.5 E., at bridge on Sheridan Rd., 1 mile northwest of Fosters, Mich.		7-12-63	0
4-1493.55	Misteguay Creek	do	On line between secs.28 and 33, T.10 N., R.4 E., at bridge on Burt Road 7 miles northeast of Chesaning, Mich.		10-17-63	1.0
4-1493.60	do	do	E1/2 sec.21, T.10 N., R.4 E., at bridge on Fergus Rd., 4 1/2 miles southwest of Fosters, Mich.		7-12-63	.4

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Huron--continued						
4-1497.00	Duff Creek	Cass River	Lat 43°22'00", long 83°00'20", on line between secs.23 and 24, T.11 N., R.12 E., Sanilac County, at Germania Road, 4.5 miles north-east of Marlette, Mich.	14.3	8- 7-70	.98
4-1498.00	South Branch Cass River	do	S1/2 sec.22, T.13 N., R.12 E., at bridge on Shabonna Rd., at Shabonna, Mich.		7-11-63	1.2
4-1506.00	White Creek	do	On line between secs.28 and 29, T.13 N., R.10 E., at bridge on Murray Rd. 4 3/4 miles east of Caro, Mich.		7-11-63 10-17-63	2.7 2.5
4-1506.10	Cass River	Saginaw River	On a line between secs.30 and 31, T.13 N., R.10 E., Tuscola County, at Deckerville Rd., 3.2 miles northeast of Caro, Mich.	547	4- 2-69 4- 3-69 4- 9-69	678 1,160 742
4-1507.00	Sucker Creek	Cass River	NE1/4 sec.7, T.12 N., R.10 E., at bridge on Frankfort Rd. 2 1/2 miles east of Caro, Mich.		7-11-63 10-17-63	2.7 1.5
4-1512.00	Perry Creek	do	SE1/4 sec.28, T.11 N., R.7 E., at Tuscola, Mich.		7-11-63 10-17-63	1.5 1.5
4-1520.10	Middle Branch Tittabawassee River	Tittabawassee River	SE1/4 sec.22, T.21 N., R.1 E., 1/4 mile downstream from Edwards Lake, 6 3/4 miles southwest of West Branch, Mich.	15.2	9-18-64 11- 5-64 6-21-65 2- 3-66 3-22-66 4-18-66 4-19-66 4-25-66 10-17-66 12-13-66	12.8 23.8 14.5 19.3 37.6 23.1 27.9 31.5 25.1 25.4
4-1520.20	do	do	SE1/4 sec.1, T.20 N., R.1 E., at bridge on State Highway 30, 9 miles south of West Branch, Mich.	35.5	3- 7-58 6-17-58 7-10-58 11- 5-64 3-22-66 4-18-66 4-19-66 4-25-66	34.9 24.4 27.6 41.0 66.6 44.2 50.8 61.8
4-1520.30	East Branch Tittabawassee River	Middle Branch Tittabawassee River	SE1/4 sec.16, T.20 N., R.2 E., 10 miles south of West Branch, Mich.		5- 6-58 6-17-58	19.7 8.62
4-1520.40	West Branch Tittabawassee River	Tittabawassee River	On line between secs.26 and 35, T.21 N., R.1 W., at bridge on County Road 501 11 miles south-west of West Branch, Mich.	28.8	5- 7-58 6-17-58 7-10-58 9-18-64 11- 5-64 6-21-65 2- 3-66	29.1 24.7 26.9 20.4 24.3 25.0 31.6
4-1520.45	do	do	NW1/4 sec.14, T.20 N., R.1 W., at Sugar River Road, 15 miles southwest of West Branch, Mich.	41.7	11- 5-64	29.7
4-1520.50	Sugar River	do	SW1/4 sec.21, T.20 N., R.1 W., at Hockaday Road Bridge, 9.3 miles north of Gladwin, Mich.	20	5-15-68 9-16-68	27.9 16.1
4-1520.55	do	do	NW1/4 sec.12, T.19 N., R.1 W., 7 1/2 miles north-east of Gladwin, Mich.	67.0	5- 7-58 6-17-58 7-11-58 9-18-64 11- 5-64 6-21-65	22.5 15.0 14.5 12.5 21.4 16.1
4-1520.57	do	do	Sec.13, T.19 N., R.1 W., at bridge on State Highway 30, 6.9 miles northeast of Gladwin, Mich.		9-21-60	22.0
4-1520.70	Molasses River	Tittabawassee River	Sec.7, T.18 N., R.2 E., at bridge on State Highway 61, 10 miles east of Gladwin, Mich.		5- 8-58 6-18-58 6-25-58	14.2 3.30 9.69
4-1520.75	Little Molasses River	Molasses River	NW1/4 sec.19, T.18 N., R.2 E., 10 miles east of Gladwin, Mich.		5- 6-58 6-18-58	13.0 5.10
4-1520.90	Elm Creek	South Branch Tobacco River	SE1/4 sec.16, T.17 N., R.5 W., 2.8 miles north-west of Farwell, Mich.		9-16-60 10-19-60 3-15-61 4-24-61 5-26-61 7-18-61 10-16-61 3-29-62 5- 2-62 10-15-62 11-27-62	3.40 1.44 1.90 5.74 2.28 1.34 1.41 21.2 19.4 1.20 .97

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Huron--continued						
4-1521.00	Loon Lake Creek	South Branch Tobacco River	NE1/4NE1/4 sec.6, T.17 N., R.4 W., 1/4 mile above unnamed tributary and 5 miles north of Farwell, Mich.	13.0	9-23-58	2.37
4-1521.03	Unnamed tributary	Loon Lake Creek	NE1/4 sec.6, T.17 N., R.4 W., 1/4 mile above Loon Lake Creek and 5 miles north of Farwell, Mich.	5.20	9-23-58	1.02
4-1521.07	Loon Lake Creek	South Branch Tobacco River	SE1/4 sec.12, T.17 N., R.5 W., 2.8 miles north of Farwell, Mich.	31.1	9-23-58 9-19-60 10-18-60 3-15-61 4-24-61 5-26-61 7-18-61 10-16-61 3-29-62 5- 2-62 10-15-62 11-17-62	11.8 23.3 14.8 19.6 39.6 20.7 9.78 13.8 55.4 82.9 17.4 16.8
4-1521.28	Runyon Creek	Loon Lake Creek	SE1/4 sec.10, T.17 N., R.5 W., 2.9 miles north-west of Farwell, Mich.		9-19-60 10-19-60 3-15-61 4-24-61 5-26-61 7-18-61 10-16-61 5- 2-62 10-15-62 11-27-62	4.26 2.41 2.37 3.30 2.63 1.05 2.15 6.72 2.69 2.36
4-1521.30	do	do	NE1/4 sec.14, T.17 N., R.5 W., 1/2 mile above Thirteen Lake and 2.3 miles north of Farwell, Mich.	5.07	9-23-58	4.01
4-1521.40	South Branch Tobacco River	Tobacco River	On line between secs.13, 24, T.17 N., R.5 W., at West Surrey Road, 1.8 miles northeast of Farwell, Mich.	40.1	9-23-58	10.5
4-1521.45	Loon Lake Creek	South Branch Tobacco River	SE1/4 sec.30, T.17 N., R.4 W., at U.S. Highway 10, 1.6 miles east of Farwell, Mich.	43.7	9-23-58 9-22-60 10-18-60 3-16-61 4-24-61 5-26-61 7-18-61 10-16-61 3-29-62 5- 3-62 10-15-62 11-27-62	23.2 27.5 23.4 32.4 61.7 37.7 19.8 24.8 76.0 104 30.0 24.0
4-1521.50	Elm Creek	do	On line between secs.21, 28, T.17 N., R.5 W., at Maple Grove Road, 2.3 miles west of Farwell, Mich.	5.44	9-23-58	1.97
4-1521.55	South Branch of South Branch Tobacco River	Tobacco River	On line between secs.26, 27, T.17 N., R.5 W., 1.2 miles west of Farwell, Mich.	13.6	9-23-58	5.23
4-1521.60	Overton Creek	South Branch Tobacco River	On line between secs.23, 26, T.17 N., R.5 W., at Maple Grove Road, 0.8 mile northwest of Farwell, Mich.	3.74	9-23-58	1.90
4-1521.65	South Branch of South Branch Tobacco River	Tobacco River	S1/2 sec.30, T.17 N., R.4 W., 1/2 mile above mouth and 1.5 miles east of Farwell, Mich.	33.6	9-23-58	18.6
4-1521.70	South Branch Tobacco River	do	NW1/4 sec.33, T.17 N., R.4 W., at U.S. Highway 10, 2.0 miles west of Clare, Mich.	77.7	9-23-58	33.7
4-1521.75	Five Lake Creek	South Branch Tobacco River	Center of sec.29, T.17 N., R.4 W., at Rock Road, 2.8 miles northwest of Clare, Mich.	6.84	9-23-58	.62
4-1521.80	South Branch Tobacco River	Tobacco River	On line between secs.26, 27, T.17 N., R.4 W., at U.S. Highway 27, 0.9 mile north of Clare, Mich.	88.0	9-23-58	34.6
4-1521.82	do	do	NW1/4 sec.36, T.17 N., R.4 W., at bridge on Eberhart Road, 50 ft south of Washington Road, at Clare, Mich.	58	7-20-64 7-21-64 7-29-64 8-12-64 8-19-64 8-26-64 9- 9-64 9-17-64 9-24-64 9-29-64	37.8 46.0 34.8 31.3 31.5 34.0 33.1 26.9 64.8 44.1
4-1521.85	Unnamed tributary	South Branch Tobacco River	On line between secs.35, 36, T.17 N., R.4 W., at Eberhart Ave., 1.0 mile east of Clare, Mich.	10.5	9-23-58	1.02

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Huron--continued						
4-1521.90	South Branch Tobacco River	Tobacco River	On line between sec.31, T.17 N., R.3 W., and sec.36, T.17 N., R.4 W., 2.0 miles east of Clare, Mich.	103	9-23-58	45.3
4-1521.93	McCuran Creek	South Branch Tobacco River	SE1/4 sec.12, T.17 N., R.4 W., 4.0 miles north of Clare, Mich.		9-20-60 3-15-61 4-24-61 5-26-61 7-18-61 10-17-61 3-27-62 5- 3-62 10-16-62 11-28-62	1.36 2.22 8.66 1.91 .31 .59 28.2 29.0 1.78 1.10
4-1521.97	Sanford Creek	McCuran Creek	SE1/4 sec.14, T.17 N., R.4 W., at Eberhart Rd., 3.2 miles north of Clare, Mich.	4.16	9-23-58 9-20-60 3-16-61 4-24-61 5-26-61 7-18-61 10-17-61 3-27-62 5- 3-62 10-16-62 11-28-62	1.75 2.64 2.75 14.0 2.67 1.19 1.80 27.5 21.5 3.75 1.90
4-1522.00	McCuran Creek	South Branch Tobacco River	SE1/4 sec.24, T.17 N., R.4 W., at Colonville Rd., 2.6 miles northeast of Clare, Mich.	9.92	9-23-58 9-20-60 10-20-60 3-16-61 4-25-61 5-24-61 7-18-61 10-17-61 3-27-62 5- 3-62 10-16-62 11-28-62	3.01 7.44 4.96 11.4 28.9 6.10 3.05 3.94 92.5 99.6 8.37 6.01
4-1522.05	South Branch Tobacco River	Tobacco River	On line between secs.32, 33, T.17 N., R.3 W., 2 miles below McCuran Creek and 4.1 miles east of Clare, Mich.	123	9-23-58	45.3
4-1522.10	South Branch Tobacco River tributary	South Branch Tobacco River	NE1/4 sec.28, T.17 N., R.3 W., at Colonville Rd., 3.5 miles north of Loomis, Mich.	4.57	9-23-58 9-22-60 4-25-61 5-24-61 7-18-61 10-17-61 3-27-62 5- 3-62 10-16-62 11-28-62	.34 .45 4.49 .35 .23 .26 19.7 24.0 .44 .33
4-1522.15	South Branch Tobacco River	Tobacco River	SE1/4 sec.22, T.17 N., R.3 W., at Tobacco Drive, 3.6 miles north of Loomis, Mich.	131	9-23-58	47.0
4-1522.20	do	do	SW1/4SW1/4 sec.24, T.17 N., R.3 W., 1 mile above Carrow Creek and 4.0 miles northeast of Loomis, Mich.	135	9-23-58	54.6
4-1522.25	Carrow Creek	South Branch Tobacco River	On line between secs.14, 23, T.17 N., R.3 W., at Surrey Rd., 4.8 miles north of Loomis, Mich.	12.1	9-23-58	.80
4-1522.30	South Branch Tobacco River	Tobacco River	On line between secs.19, 20, T.17 N., R.2 W., at Old Plank Rd., 5.3 miles west of Beaverton, Mich.	149	5- 8-58 6-16-58 9-23-58 10-29-58	65.6 49.6 67.0 26.6
4-1522.35	Rillett Drain	South Branch Tobacco River	SE1/4 sec.18, T.17 N., R.2 W., 5.0 miles west of Beaverton, Mich.		9-22-60 4-25-61 5-24-61 7-18-61 10-16-61 3-26-62 5- 4-62 10-16-62 11-28-62	.01 2.89 .25 .05 .13 17.5 3.19 .27 .19
4-1522.38	South Branch Tobacco River	Tobacco River	NW1/4 sec.15, T.17 N., R.2 W., 3 1/4 miles southwest of Beaverton, Mich.	160	9-21-60 10-18-60 3-15-61 4-24-61 5-24-61 7-17-61 10-17-61 3-26-62 5- 4-62 10-16-62 11-28-62 8-22-67	73.7 48.4 99.0 297 85.0 43.4 52.3 823 713 80.7 72.8 99.8

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Huron--continued						
4-1522.40	Lyle Drain	South Branch Tobacco River	NW1/4 sec.22, T.17 N., R.2 W., 3.0 miles south-west of Beaverton, Mich.		9-22-60	.03
					5-24-61	.48
					7-17-61	.09
					10-17-61	.18
					3-26-62	46.2
					5- 4-62	33.8
					10-16-62	.53
					11-28-62	.17
4-1522.50	Middle Branch Tobacco River	Tobacco River	SE1/4 sec.22, T.18 N., R.4 W., at county highway 7.5 miles north of Clare, Mich.		3-16-61	3.61
					4-24-61	4.89
					5-25-61	4.04
					7-18-61	2.93
					10-17-61	2.46
					5- 3-62	4.66
					10-16-62	4.90
					11-27-62	3.80
4-1522.55	do	do	On line between secs.23, 24, T.18 N., R.4 W., at Eberhart Rd., 3.6 miles east of Hatton, Mich.	7.71	9-23-58	8.77
4-1522.58	do	do	NE1/4 sec.25, T.18 N., R.4 W., 7.9 miles north of Clare, Mich.		9-20-60	12.9
					3-16-61	13.5
					4-25-61	17.6
					5-25-61	10.9
					7-17-61	10.1
					10-17-61	9.93
					3-29-62	21.6
					5- 3-62	31.3
4-1522.62	Clear Creek	Middle Branch Tobacco River	NE1/4 sec.24, T.18 N., R.4 W., 8.9 miles north of Clare, Mich.		10-17-62	11.5
					11-29-62	11.3
					9-20-60	3.04
					3-16-61	3.09
					4-24-61	4.16
					5-25-61	2.85
					7-17-61	2.26
					10-16-61	2.64
4-1522.65	Middle Branch Tobacco River	Tobacco River	SE1/4 sec.30, T.18 N., R.3 W., 5.6 miles east of Hatton, Mich.	16.4	3-26-62	5.96
					5- 3-62	6.21
					10-17-62	3.32
					11-29-62	2.95
					9-23-58	13.3
					9-20-60	19.9
					10-20-60	14.8
					3-16-61	16.6
4-1522.70	Unnamed tributary	Middle Branch Tobacco River	NW1/4 sec.32, T.18 N., R.3 W., 150 ft above mouth and 5.9 miles east of Hatton, Mich.	3.12	4-25-61	24.6
					5-25-61	14.7
					7-17-61	12.6
					10-17-61	12.8
					3-27-62	29.9
					5- 3-62	49.2
					10-17-62	13.9
					11-29-62	14.0
4-1522.75	Middle Branch Tobacco River	Tobacco River	NE1/4 sec.28, T.18 N., R.3 W., 9.6 miles west of Beaverton, Mich.	23.1	9-23-58	17.6
					9-21-60	19.2
					10-19-60	19.9
					3-16-61	21.9
					4-25-61	40.7
					5-25-61	18.5
					7-17-61	12.9
					10-17-61	16.1
4-1522.80	do	do	NE1/4 sec.35, T.18 N., R.3 W., 7.3 miles west of Beaverton, Mich.	27.9	3-27-62	101
					5- 4-62	78.5
					10-17-62	21.1
					11-29-62	20.1
					9-23-58	18.4
					9-21-60	21.6
					10-19-60	18.8
					3-15-61	26.6
4-1522.85	do	do	On line between secs.5, 6, T.17 N., R.2 W., at Old Plank Rd., 5.2 miles west of Beaverton, Mich.	31.3	4-25-61	47.6
					5-25-61	19.8
					7-17-61	16.2
					10-17-61	18.5
					3-26-62	177
					5- 4-62	95.6
					10-17-62	22.5
					11-29-62	19.6

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Huron--continued						
4-1522.90	Middle Branch Tobacco River	Tobacco River	NW1/4 sec.11, T.17 N., R.2 W., just above Ross Lake, 2.1 miles west of Beaverton, Mich.	33.8	5- 8-58 9-23-58 10-29-58 6-16-58 9-23-58 9-21-60 10-19-60 3-15-61 4-25-61 5-24-61 7-17-61 10-17-61 3-26-62 5- 4-62 10-16-62 11-28-62 11- 4-65 8-22-67	23.0 17.9 10.6 19.1 17.9 24.9 20.2 29.8 58.9 21.7 20.1 20.4 233 149 23.6 16.6 35.6 23
4-1522.98	Jose Creek	North Branch Tobacco River	W1/2 sec.26, T.19 N., R.4 W., 2.1 miles east of Harrison, Mich.	11.8	9-23-58	.06
4-1523.00	do	do	Lat 43°44'13", long 84°44'47", in NW1/4NW1/4 sec.1, T.18 N., R.4 W., Clare County, at culvert on State Highway 61, 3.7 miles south-east of Harrison, Mich.	22.7	9-23-58 6-10-70	7.97 8.14
4-1523.05	Mostellar Creek	do	Lat 43°44'13", long 84°44'25", in NW1/4 sec.1, T.18 N., R.4 W., Clare County, at culvert on State Highway 61, 3.8 miles southeast of Harrison, Mich.	3.61	9-23-58 6-10-70	1.49 8.43
4-1523.10	Unnamed tributary	Mostellar Creek	W1/2 sec.25, T.19 N., R.4 W., 3.0 miles east of Harrison, Mich.	.38	9-23-58	.16
4-1523.15	Mostellar Creek	North Branch Tobacco River	NW1/4 sec.1, T.18 N., R.4 W., at State Highway 61, 3.8 miles southeast of Harrison, Mich.	28.6	9-23-58	4.75
4-1523.20	Beaver Creek	do	W1/2 sec.12, T.18 N., R.4 W., 1/4 mile above mouth and 4.7 miles southeast of Harrison, Mich.	1.70	9-23-58	3.72
4-1523.30	North Branch Tobacco River	Tobacco River	Lat 43°58'02", long 84°43'14", in E1/2 sec.12, T.18 N., R.4 W., Clare County, at culvert on county road, 1/2 mile below Beaver Creek, 5.2 miles southeast of Harrison, Mich.	32.6	9-23-58 6-10-70	17.6 23.3
4-1523.32	do	do	SE1/4 sec.7, T.18 N., R.3 W., 6.0 miles southeast of Harrison, Mich.		9-20-60 10-20-60 4-25-61 5-25-61 7-17-61 10-16-61 3-29-62 5- 3-62 10-17-62 11-29-62	27.7 21.6 39.9 22.9 16.1 20.5 64.2 72.2 22.2 22.7
4-1523.34	Unnamed tributary	North Branch Tobacco River	S1/2 sec.8, T.18 N., R.3 W., just above mouth, 6.6 miles southeast of Harrison, Mich.	11.0	9-23-58	1.22
4-1523.37	North Branch Tobacco River	Tobacco River	On line between secs.8, 17, T.18 N., R.3 W., 1/2 mile below unnamed tributary and 7.0 miles southeast of Harrison, Mich.	46.3	9-23-58 9-21-60 10-20-60 4-25-61 5-25-61 7-17-61 10-16-61 3-27-62 5- 4-62 10-17-62 11-29-62	25.1 31.4 26.6 65.0 34.6 22.0 28.8 110 123 30.0 29.3
4-1523.40	North Branch Tobacco River	do	Lat 43°57'15", long 84°39'59", in SW1/4NE1/4 sec.16, T.18 N., R.3 W., Clare County, at highway bridge, 1 mile below unnamed tributary, 7.5 miles southeast of Harrison, Mich.	47	6-10-70	35.8
4-1523.45	do	do	On line between secs.14, 15, T.18 N., R.3 W., 8.8 miles southeast of Harrison, Mich.	50.7	9-23-58	28.8
4-1523.50	do	do	Lat 43°57'13", long 84°38'06", in SW1/4NE1/4 sec.14, T.18 N., R.3 W., Clare County, at culvert on county road, 1/4 mile below unnamed tributary, and 9.5 miles southeast of Harrison, Mich.	53	6-10-70	44.3
4-1523.53	do	do	SW1/4 sec.24, T.18 N., R.3 W., 7.7 miles north-west of Beaverton, Mich.	55.5	9-23-58	30.6

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Huron--continued						
4-1523.60	North Branch Tobacco River	Tobacco River	NE1/4 sec.30, T.18 N., R.2 W., at Old Plank Rd., 5.8 miles northwest of Beaverton, Mich.	59.4	5- 8-58 6-16-58 9-23-58 10-29-58 9-17-64 11- 4-64 6-21-65	41.9 31.3 30.0 16.8 26.8 57.1 35.2
4-1523.65	do	do	On line between secs.28, 33, T.18 N., R.2 W., 4.2 miles northwest of Beaverton, Mich.	65.8	9-23-58	31.6
4-1523.70	do	do	NW1/4 sec.2, T.17 N., R.2 W., at Bard Rd., 2.3 miles northwest of Beaverton, Mich.	71.6	9-23-58 8-22-67	35.4 65.8
4-1524.20	Cedar River	do	On line between secs.20, 29, T.19 N., R.2 W., 1 mile below confluence of west and north branches and 5 miles south of Skeels, Mich.	96.1	6-18-58 9-17-64 11- 4-64 6-21-65	54.3 45.2 82.3 62.6
4-1524.50	do	do	NW1/4 sec.31, T.18 N., R.1 W., 1 1/4 miles upstream from mouth, 1 1/2 miles north of Beaverton, Mich.	140	8-22-67	112
4-1534.00	South Branch Salt River	Salt River	SW1/4 sec.23, T.15 N., R.3 W., 8 miles southeast of Rosebush, Mich.	49.6	8-31-65	5.6
4-1535.10	Salt River	Tittabawassee River	NW1/4NE1/4 sec.23, T.15 N., R.1 W., at highway bridge, 0.6 mile upstream from mouth, and 0.8 mile northwest of Sanford, Mich.	175	5- 4-67 7-13-67 9-14-67 10- 3-67	132 51.8 10.9 19.9
4-1536.00	West Branch Chippewa River	Chippewa River	SW1/4 sec.5, T.15 N., R.7 W., 2 1/2 miles southwest of Barryton, Mich.		6-14-50 7-11-50 8-23-50 9-26-50 10-23-50 11-14-50 12- 5-50 1-16-51 2- 6-51 3-16-51 4-16-51 5-14-51 6-11-51 7-30-51 8-16-51 9-18-51 10-18-51 11-29-51 12-14-51 1- 9-52 2-21-52 3-27-52 4-17-52 5-23-52 6-16-52 7-17-52 8-11-52 10- 1-52 10-23-52 11- 6-52 12- 2-52 1- 6-53 2- 5-53 3-16-53 4- 3-53 5-11-53 6- 3-53 7- 9-53 8- 5-53 9-10-53 10-15-53 11-12-53 12-10-53 1- 8-54 2- 3-54 3- 4-54 4- 9-54 5- 7-54 6- 9-54 7- 8-54 8- 4-54 10- 7-54 1-13-55 4- 4-55 7- 7-55	11.4 7.22 .91 68.5 1.90 13.6 21.5 25.6 17.6 60.6 81.9 38.9 14.5 7.00 6.41 15.1 20.6 43.9 39.6 42.8 45.4 98.2 168 28.6 8.58 14.6 23.2 6.18 1.91 10.1 23.6 22.2 21.2 96.5 55.2 62.2 22.4 9.13 13.3 8.66 11.5 12.9 17.5 17.7 15.9 37.8 70.3 68.0 38.9 23.9 11.1 43.2 27.8 56.1 2.09
4-1537.50	Chippewa River	Tittabawassee River	SW1/4 sec.35, T.15 N., R.6 W., at Base Line Rd., 3 1/2 miles southwest of Weidman, Mich.		2- 4-66	122
4-1538.00	do	do	NW1/4 sec.20, T.14 N., R.5 W., at bridge on State Highway 20, 8 3/4 miles west of Mt. Pleasant, Mich.	359	6-22-65	95.2

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Huron--continued						
4-1538.50	North Branch Chippewa River	Chippewa River	S1/4 sec.13, T.15 N., R.5 W., at bridge on Weidman Rd., 3.4 miles northeast of Beal City, Mich.	42.4	6-22-65	6.5
4-1539.00	do	do	NE1/4 sec.24, T.14 N., R.5 W., 4 miles west of Mt. Pleasant, Mich.	73.0	7-11-58 10-29-58 11- 4-64	15.2 8.53 24.9
4-1539.85	Chippewa River	Tittabawassee River	SE1/4 sec.20, T.14 N., R.4 W., at bridge on Lincoln Rd., 2.6 miles southwest of Mt. Pleasant, Mich.	400	11- 5-64 6-22-65	206 134
4-1539.90	Mission Creek	do	NE1/4 sec.9, T.14 N., R.4 W., at Mt. Pleasant, Mich.		9-17-51 10-18-51	.47 3.77
4-1541.00	Salt River	Chippewa River	Lat 43°31'28", long 84°41'00", in SW1/4 sec.9, T.13 N., R.3 W., Isabella County, at Blanchard Rd., at Shepherd, Mich.		11- 4-69	11.2
4-1541.10	do	do	Lat 43°31'40", long 84°38'50", on line between secs.10, 11, T.13 N., R.3 W., Isabella County, at Wise Rd., 2.3 miles east of Shepherd, Mich.		11- 4-69	13.6
4-1542.00	Pony Creek	Pine River	SE1/4 sec.27, T.14 N., R.6 W., at Brinton Rd., 5 miles northeast of Blanchard, Mich.		2- 4-66	2.20
4-1546.00	Pine River	Chippewa River	NW1/4 sec.5, T.12 N., R.5 W., near junction of south Isabella County line and Littlefield Rd., 5 miles northwest of Vestaburg, Mich.	95.5	6-22-65 2- 4-66 6-22-66 7- 7-66 8- 9-66 8-25-66 10-17-66 10-28-66	28.3 49.9 45.8 29.5 27.5 34.3 49.9 28.9
4-1546.05	do	do	NW1/4 sec.5, T.12 N., R.5 W., at Schmeid Rd., 4 1/2 miles northwest of Vestaburg, Mich.		3-23-66 3-28-67	207 415
4-1546.10	do	do	SE1/4 sec.8, T.12 N., R.5 W., at Tamarack Rd., 3.0 miles northwest of Vestaburg, Mich.		3-17-67	70.4
4-1547.00	Cedar Creek	Pine River	SE1/4 sec.18, T.12 N., R.5 W., at Grove Rd., 2.7 miles northwest of Vestaburg, Mich.		3-17-67	40
4-1549.00	Pine River	Chippewa River	On line between secs.8, 17, T.11 N., R.3 W., 1 mile southwest of Alma, Mich.		5- 7-52	153
4-1549.10	Coles Creek	Pine River	NW1/4SE1/4 sec.5, T.11 N., R.3 W., 1 mile west of Alma, Mich.		5- 7-52	23.8
4-1562.00	Tittabawassee River	Saginaw River	West line sec.1, T.13 N., R.2 E., at Smiths Crossing Rd., 4 1/2 miles southeast of Midland, Mich.	2,448	8-25-65 8-31-65 9- 7-65 10- 1-65 11- 5-65 12- 2-65 12-14-65	386 543 504 1,180 623 3,170 9,370
4-1565.00	do	do	On line between secs.16, 21, T.13 N., R.3 E., at highway bridge in Freeland, Mich.	2,530	9- 4-57	370
4-1569.90	Saginaw River	Lake Huron	1 mile upstream from Center St., Saginaw, Mich.	6,060	6- 7-66	1,460
	do	do	NW1/4 sec.21, T.14 N., R.5 E., at U.S. Highway 23 (business route) at Bay City, Mich.		3-30-50	39,800
4-1570.40	Saginaw River	Saginaw Bay	Sec.24, T.12 N., R.4 E., at Saginaw, Mich.		10-21-43 3- 3-44 6-28-44	1,700 9,460 1,530
4-1590.50	Pinnebog River	Lake Huron	Sec.18, T.18 N., R.12 E., 7 miles southwest of Port Austin, Mich.		7-11-63 10-18-63	0 0
4-1590.55	North Branch Schram Drain	Schram Drain	NW1/4 sec.15, T.18 N., R.12 E., at bridge on Kennedy Road, 5 miles northwest of Kinde, Mich.		10-18-63	0
4-1590.60	South Branch Schram Drain	do	SE1/4 sec.16, T.18 N., R.12 E., at bridge on Witherspoon Rd., 4 1/2 miles northwest of Kinde, Mich.		10-18-63	0
4-1590.70	New River	Lake Huron	SW1/4 sec.32, T.19 N., R.14 E., at bridge on U.S. Highway 25, 1 1/2 miles northwest of Huron City, Mich.		10-18-63	0
4-1590.80	Willow River	do	NE1/4 sec.4, T.18 N., R.14 E., at bridge on U.S. Highway 25 at Huron City, Mich.		7-11-63 10-18-63	.1 .2
4-1591.34	Black River	St. Clair River	SW1/4 sec.3, T.13 N., R.14 E., at Mills Rd., 5.5 miles northwest of Deckerville, Mich.	21.7	5-16-67 8- 1-67	8.38 1.54
4-1591.35	Carrol Drain	Black River	SW1/4 sec.23, T.13 N., R.14 E., at Stringer Rd., 3.3 miles northwest of Deckerville, Mich.	10.7	5-16-67 8- 1-67	6.58 .98

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Huron--continued						
4-1591.40	Bishop Creek	Black River	SE1/4 sec.14, T.13 N., R.14 E., at Stone Rd., 3.0 miles northwest of Deckerville, Mich.	9.91	5-16-67 8- 1-67	1.82 .55
4-1591.45	Black River	St. Clair River	SW1/4 sec.25, T.13 N., R.14 E., at Deckerville Rd., 1.8 miles west of Deckerville, Mich.	56.4	5-16-67 8- 1-67	23.7 4.46
4-1591.50	do	do	SW1/4 sec.18, T.12 N., R.15 E., at Snover Rd., 4.2 miles south of Deckerville, Mich.	77.6	5-16-67 8- 1-67	26.5 6.69
4-1591.70	Berry Drain	Black River	SE1/4 sec.24, T.12 N., R.14 E., at Range Line Rd., 4.3 miles northwest of Carsonville, Mich.	17.2	5-16-67 8- 1-67	3.88 3.21
4-1591.75	Fye Drain	Berry Drain	SW1/4 sec.19, T.12 N., R.15 E., at Range Line Rd., 4.2 miles northwest of Carsonville, Mich.	10.1	8- 1-67	1.60
4-1591.80	Black River	St. Clair River	NW1/4 sec.4, T.11 N., R.15 E., at Church Rd., 2.0 miles west of Carsonville, Mich.	126	5-16-67 8- 1-67	37.8 14.9
4-1591.90	Elk Creek	Black River	NW1/4 sec.11, T.9 N., R.13 E., at Brooks Rd., 4.0 miles northeast of Brown City, Mich.	23.9	5-16-67 8- 1-67	2.15 .22
4-1592.00	do	do	SE1/4 sec.16, T.10 N., R.14 E., at Paldi Rd., 2.5 miles northwest of Peck, Mich.	39.4	5-16-67 8- 1-67	5.52 2.20
4-1592.02	East Branch Speaker and Maple Valley Drain	Elk River	SE1/4 sec.21, T.10 N., R.14 E., at Paldi Rd., 1.8 miles northwest of Peck, Mich.	19.9	5-16-67 8- 1-67	2.55 1.15
4-1592.10	Elk Creek	Black River	NE1/4 sec.3, T.10 N., R.14 E., at Marlette Rd., at Watertown, Mich.	95.2	5-16-67 8- 1-67	15.3 5.28
4-1592.15	Frizzle Drain	Elk Creek	NE1/4 sec.33, T.11 N., R.14 E., at Banker Rd., at Watertown, Mich.	16.9	5-16-67 8- 1-67	2.39 1.40
4-1592.22	Potts Drain	do	SW1/4 sec.17, T.10 N., R.15 E., at Hall Rd., 4.1 miles northeast of Peck, Mich.	13.5	5-16-67 8- 1-67	2.07 .09
4-1592.25	do	do	NE1/4 sec.8, T.10 N., R.15 E., at Aitken Rd., 5.8 miles southwest of Applegate, Mich.	34.0	5-16-67 8- 1-67	10.4 2.42
4-1592.30	Elk Creek	Black River	NW1/4 sec.29, T.11 N., R.15 E., at French Line Rd., 4.7 miles west of Applegate, Mich.	177	5-16-67 8- 1-67	29.9 12.2
4-1592.40	do	do	SW1/4 sec.9, T.11 N., R.15 E., at bridge on Washington Rd., 3 miles southwest of Carsonville, Mich.		7-11-63 10-18-63	2.0 1.0
Streams tributary to St. Clair River						
4-1592.50	Elk Creek	Black River	NE1/4 sec.35, T.11 N., R.15 E., at Applegate Rd., at Applegate, Mich.	333	5-16-67 8- 1-67	82.0 36.0
4-1592.70	Arnot Creek	do	NE1/4 sec.19, T.10 N., R.16 E., at Black River Rd., at Croswell, Mich.	13.0	5-16-67 8- 1-67	2.87 1.36
4-1592.90	Black River	St. Clair River	NW1/4 sec.32, T.10 N., R.16 E., Sanilac County, at State Highway 90, at Croswell, Mich.	369	3-19-69 3-20-69 3-26-69 6-18-69	245 263 404 35.0
4-1593.00	Black River	do	Lat 43°13'24", long 82°36'49", in SE1/4 sec.8, T.9 N., R.16 E., Sanilac County, 3.5 miles south of Croswell, Mich.	376	7- 5-56 7-16-56 8- 7-56 9-10-56 9-11-56 9-21-56 10- 2-56 11- 6-56 12-13-56 1-10-57 7-19-57 8-24-57 9-18-57 10-16-57 8- 9-58 9- 4-58 10-13-58 11-19-58 12-16-58 1-19-59 7- 7-59 8- 3-59 9- 9-59 10- 5-59 7-13-60	37.2 68.4 26.2 32.2 24.4 14.6 11.9 9.05 18.5 13.3 30.4 16.4 13.3 6.65 14.2 19.5 6.38 17.4 3.27 9.90 13.7 21.7 27.2 18.2 27.1

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to St. Clair River--continued						
4-1593.00	Black River	St. Clair River	Continued		8- 9-60	38.0
					9- 8-60	12.0
					10- 5-60	12.9
					11-15-60	9.87
					7-11-61	15.8
					8- 9-61	72.4
					9-13-61	15.8
					10-10-61	18.2
					11-15-61	32.7
					7-10-62	16.5
					9- 4-62	13.7
					10- 8-62	12.4
					11- 6-62	34.2
					11- 6-62	32.3
					12-11-62	73.3
					1-14-63	24.4
					7-11-63	8.24
					8- 8-63	7.91
					8-22-63	9.68
					8-27-63	7.89
					9- 6-63	3.26
					10-16-63	3.53
					11-19-63	37.8
					12-18-63	4.32
					1-14-64	9.01
					7-16-64	11.2
					8-12-64	9.96
					9-21-64	8.63
					10-29-64	7.41
					11-28-64	7.83
					12- 1-64	9.64
					12-15-64	20.8
					5-12-65	231
					7- 7-65	88.5
					8-18-65	7.97
					9- 9-65	7.87
					10- 5-65	8.10
					11- 9-65	7.77
					12- 9-65	13.7
					1- 6-66	136
					8-10-66	24.0
					9- 7-66	18.4
					10- 4-66	12.3
					11-10-66	88.2
					12-14-66	258
					5-16-67	95.2
					6- 8-67	182
					8- 1-67	44.9
					8- 9-67	56.0
					9-14-67	18.6
					10- 5-67	26.9
					11- 7-67	298
					12- 5-67	102
					7-16-68	32.5
					8-13-68	21.4
					9-19-68	12.0
					10-15-68	11.7
					11-19-68	31.7
					12-18-68	36.8
					1-15-69	18.7
					7- 7-69	110
					8- 5-69	21.5
					9-17-69	9.16
					10- 7-69	19.1
					11- 6-69	13.2
					12- 9-69	19.4
					6-10-70	23.2
					8-20-70	21.3
					9-15-70	11.6
4-1594.45	Black Creek	Black River	SE1/4 sec.28, T.9 N., R.15 E., at Comstock Rd., 1.7 miles southeast of Roseburg, Mich.	9.60	5-16-67	2.01
					8- 1-67	1.02
4-1594.70	do	do	NW1/4 sec.24, T.9 N., R.15 E., at Fargo Rd., 4.0 miles east of Roseburg, Mich.	28.2	5-16-67	3.96
					8- 1-67	1.54
4-1594.80	do	do	SW1/4 sec.17, T.9 N., R.16 E., at Black River Rd., 4.8 miles south of Croswell, Mich.	50.4	8- 1-67	3.37
4-1594.83	Black River	St. Clair River	SW1/4 sec.32, T.9 N., R.16 E., Sanilac County, at Fisher Rd., 1.7 miles northwest of Jeddo, Mich.	435	3-19-69	230
					3-20-69	250
					3-26-69	593
					6-18-69	41.8
4-1594.90	Silver Creek	Black River	NW1/4 sec.7, T.8 N., R.16 E., at Jeddo Rd., 2.2 miles northeast of Yale, Mich.	26.8	5-16-67	1.59
					8- 1-67	.19
4-1594.95	Plum Creek	do	NE1/4 sec.19, T.8 N., R.16 E., at Graham Rd., 2.0 miles west of Blaine, Mich.	11.2	5-16-67	1.33
					8- 1-67	.41
4-1595.00	Black River	St. Clair River	NW1/4 sec.32, T.8 N., R.16 E., at gaging station at Norman Rd., 2.1 miles east of Fargo, Mich.	480	8- 1-67	59.2

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to St. Clair River--continued						
4-1597.00	Elk Lake Creek	North Branch Mill Creek	SE1/4 sec.29, T.8 N., R.12 E., at State Highway 53, 4.1 miles north of Imlay City, Mich.	23.2	5-16-67 8- 1-67	11.0. 3.64
4-1597.50	North Branch Mill Creek	Mill Creek	SE1/4 sec.10, T.8 N., R.12 E., at Brown City Rd., 2.9 miles northeast of Goodland, Mich.	46.4	5-16-67 8- 1-67	18.1 6.30
4-1598.00	do	do	NW1/4 sec.13, T.8 N., R.13 E., at Mason Rd., 5.0 miles west of Yale, Mich.	70.5	5-16-67 7-31-67	26.2 8.21
4-1598.50	South Branch Mill Creek	do	NW1/4 sec.34, T.8 N., R.13 E., at Norman Rd., 5.0 miles north of Capac, Mich.	24.6	5-16-67 7-31-67	4.89 1.13
4-1598.80	do	do	NE1/4 sec.23, T.8 N., R.13 E., at Fulton Rd., 5.0 miles west of Yale, Mich.	48.1	5-16-67 8- 1-67	11.8 1.51
4-1598.90	Mill Creek	Black River	NW1/4 sec.10, T.8 N., R.14 E., at Jeddo Rd., 1.4 miles northwest of Yale, Mich.	146	5-16-67 7-31-67	47.9 13.0
4-1598.91	do	do	NE1/4 sec.15, T.8 N., R.14 E., at Yale, Mich.		4- 4-61 4- 4-61 4- 6-61 4-11-61 4-12-61 4-18-61 4-25-61 5- 3-61 7- 5-61 8-21-61 7-10-63	26.8 26.9 26.6 33.1 33.8 79.4 254 103 3.95 3.56 1.1
4-1599.00	do	do	NW1/4 sec.8, T.7 N., R.15 E., at Bricker Rd., 2.0 miles southeast of Brockway, Mich.	169	5-16-67 8- 1-67	50.0 14.2
4-1600.00	do	do	NW1/4 sec.17, T.7 N., R.16 E., at Abbotsford Rd., at Ruby, Mich.	185	5-16-67 8- 1-67	63.9 21.6
4-1600.50	Black River	St. Clair River	NW1/4 sec.2, T.6 N., R.16 E., at Wadhams, Mich.	684	5-16-67 8- 1-67	216 90.2
4-1600.70	Howe Drain	Black River	NW1/4 sec.27, T.7 N., R.17 E., at Krafft Rd., 2.0 miles southeast of Gardendale, Mich.	9.50	5-15-67 8- 1-67	3.04 .20
4-1601.70	Pine River	St. Clair River	SW1/4 sec.20, T.7 N., R.15 E., at Bricker Rd., 2.0 miles southeast of Brockway, Mich.	6.89	5-15-67 7-31-67	1.25 .33
4-1601.80	Emmet Drain	Pine River	SW1/4 sec.20, T.7 N., R.15 E., at Bricker Rd., 2.2 miles southeast of Brockway, Mich.	7.58	5-15-67 7-31-67	.80 .09
4-1601.95	Pine River	St. Clair River	SE1/4 sec.23, T.7 N., R.15 E., at Fargo Rd., 1.0 mile west of Abbotsford, Mich.	23.0	5-15-67 7-31-67	5.16 .87
4-1602.00	do	do	SE1/4 sec.31, T.7 N., R.16 E., at State Highway 21, 2.6 miles east of Goodells, Mich.	33.1	5-15-67 7-31-67	8.45 1.63
4-1603.00	Cowhy Drain	Pine River	W1/2 sec.4, T.6 N., R.15 E., at Webb Rd., 2.0 miles west of Goodells, Mich.	10.7	5-16-67 8- 1-67	1.85 .76
4-1603.10	Appley Drain	Eddy Drain	NW1/4 sec.14, T.6 N., R.15 E., at Goodells Rd., 1.9 miles south of Goodells, Mich.	9.14	5-15-67 7-31-67	.78 .04
4-1603.17	Eddy Drain	Cowhy Drain	SW1/4 sec.11, T.6 N., R.15 E., at Goodells Rd., 1.0 mile south of Goodells, Mich.	5.20	5-15-67 7-31-67	1.29 .30
4-1603.20	Cowhy Drain	Pine River	NW1/4 sec.12, T.6 N., R.15 E., at Castor Rd., 1.6 miles southeast of Goodells, Mich.	33.4	5-16-67 7-31-67	7.50 2.65
4-1603.25	Pine River	St. Clair River	NE1/4 sec.21, T.6 N., R.16 E., at Dove Rd., 3.0 miles southwest of Wadhams, Mich.	84.2	5-15-67 7-31-67	29.6 6.16
4-1603.32	Big Creek	Pine River	SW1/4 sec.15, T.6 N., R.16 E., at Dove Rd., 2.8 miles southwest of Wadhams, Mich.	7.32	5-15-67 7-31-67	3.74 .04
4-1603.40	Smiths Creek	do	NW1/4 sec.30, T.6 N., R.16 E., at Mayer Rd., 1.3 miles northwest of Smiths Creek, Mich.	11.6	5-16-67 8- 1-67	1.92 .44
4-1603.46	do	do	NE1/4 sec.8, T.5 N., R.16 E., at Frith Rd., 1.9 miles southeast of Smiths Creek, Mich.	20.3	5-15-67 7-31-67	4.70 .41
4-1603.50	Pine River	St. Clair River	NE1/4 sec.9, T.5 N., R.16 E., at U.S. Highway 25, 1.9 miles northeast of Rattle Run, Mich.	135	5-15-67 7-31-67	47.6 6.86
4-1603.87	Rattle Run	Pine River	NE1/4 sec.15, T.5 N., R.15 E., at Hessen Rd., at Columbus, Mich.	9.25	5-15-67 7-31-67	1.07 .01
4-1603.90	do	do	SW1/4 sec.17, T.5 N., R.16 E., at Rattle Run Rd., at Rattle Run, Mich.	19.8	5-15-67 7-31-67	2.66 .03
4-1603.95	Moak Drain	do	SE1/4 sec.10, T.5 N., R.16 E., at Klettner Rd., 4.3 miles east of Rattle Run, Mich.	3.74	5-15-67 7-31-67	1.29 0
4-1604.00	Pine River	St. Clair River	SE1/4 sec.27, T.5 N., R.16 E., at Vine Rd., 3.0 miles northwest of St. Clair, Mich.	173	5-15-67 7-31-67	49.4 7.58

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to St. Clair River--continued						
4-1605.50	Belle River	St. Clair River	SE1/4 sec.12, T.6 N., R.11 E., at Dryden Rd., at Dryden, Mich.	8.22	5-15-67 7-31-67	4.88 3.12
4-1605.59	do	do	NE1/4 sec.6, T.6 N., R.12 E., at Hall Rd., 2.6 miles northeast of Dryden, Mich.	16.9	5-15-67 7-31-67	10.7 3.67
4-1605.60	Long Lake Drain	Belle River	SE1/4 sec.31, T.7 N., R.12 E., at Blacks Rd., 2.7 miles northeast of Dryden, Mich.	10.3	5-15-67 7-31-67	6.74 1.35
4-1605.65	Belle River	St. Clair River	NE1/4 sec.32, T.7 N., R.12 E., 300 ft above Long Lake Creek, near Imlay City, Mich.		5- 1-63 7-12-63 10-18-63	13.2 .58 1.11
4-1605.70	North Branch Belle River	Belle River	NW1/4 sec.16, T.7 N., R.12 E., at gaging station at State Highway 21 at Imlay City, Mich.	18.0	7-10-63 5-15-67 7-31-67	.02 9.01 2.50
4-1605.72	Belle River	St. Clair River	NW1/4 sec.33, T.7 N., R.12 E., 100 ft below Long Lake Creek, near Imlay City, Mich.		5- 1-63	23.9
4-1605.73	Belle River tributary	Belle River	SE1/4 sec.33, T.7 N., R.12 E., at Ross Rd., 3.5 miles south of Imlay City, Mich.	8.18	9- 9-60 5-15-67 7-31-67	5.17 4.11 1.22
4-1605.75	Belle River	St. Clair River	NE1/4 sec.2, T.6 N., R.12 E., at Glover Rd., 4.0 miles northeast of Almont, Mich.	73.8	5-15-67 7-31-67	46.0 12.7
4-1605.78	do	do	NW1/4 sec.9, T.6 N., R.13 E., at Capac Rd., 3.1 miles south of Capac, Mich.	92.7	5-15-67 7-31-67	47.9 12.6
4-1605.80	do	do	SE1/4 sec.11, T.6 N., R.13 E., at Berville Rd., 1.0 mile east of Lesterville, Mich.	106	5-15-67 7-31-67	52.0 13.1
4-1605.84	Cox Doty Drain	Belle River	NW1/4 sec.25, T.7 N., R.13 E., at State Highway 21, 2.0 miles east of Capac, Mich.	3.01	5-15-67 7-31-67	.67 .08
4-1605.90	Lemon Drain	do	NE1/4 sec.12, T.6 N., R.13 E., at Hunt Rd., 1.7 miles east of Lesterville, Mich.	21.5	5-15-67 7-31-67	4.11 .25
4-1605.99	Sage River	do	SW1/4 sec.35, T.6 N., R.14 E., at Belle River Rd., at Memphis, Mich.	8.05	5-15-67 7-31-67	.83 .01
4-1606.00	Belle River	St. Clair River	SE1/4 sec.35, T.6 N., R.14 E., at gaging station, at State Highway 19, at Memphis, Mich.	151	5-15-67 7-31-67	58.8 16.4
4-1606.10	Ashery Creek	Belle River	NE1/4 sec.11, T.5 N., R.14 E., at State Highway 19, 1.0 mile south of Memphis, Mich.	13.1	5-15-67 7-31-67	.82 .11
4-1606.15	Belle River	St. Clair River	NE1/4 sec.32, T.5 N., R.15 E., at U.S. Highway 25, 2.7 miles northeast of Muttonville, Mich.	177	5-15-67 7-31-67	69.9 20.2
4-1606.18	Jerome Creek	Belle River	NW1/4 sec.2, T.4 N., R.15 E., at Hessen Rd., 1.4 miles northwest of Adair, Mich.	10.1	5-15-67 7-31-67	1.33 0
4-1606.20	Belle River	St. Clair River	SE1/4 sec.6, T.4 N., R.16 E., at St. Clair Highway, 2.0 miles east of Adair, Mich.	200	5-15-67 7-31-67	77.7 22.4
4-1606.25	do	do	NE1/4 sec.23, T.4 N., R.16 E., at King Rd., 3.5 miles north of Marine City, Mich.	216	5-15-67 7-31-67	88.0 22.7
4-1606.30	Baird Drain	Belle River	NW1/4 sec.36, T.4 N., R.16 E., at King Rd., 1.6 miles north of Marine City, Mich.	7.62	5-15-67 7-31-67	.41 0
Streams tributary to Lake St. Clair						
4-1607.50	Clinton River	Lake St. Clair	Lat 42°44'26", long 83°25'22", in NW1/4 sec.20, T.4 N., R.9 E., at Bluegrass Drive, at Clarkston, Mich.	11.5	2-23-66 4-14-66 7-25-66 10-11-66 1-11-67 5-25-67 9-13-67 3- 6-68 5- 5-69 8-26-69	3.96 6.37 .89 1.17 7.44 5.61 1.28 8.20 10.2 2.14
4-1607.60	Deer Lake outlet	Clinton River	Lat 42°43'49", long 83°25'35", in NW1/4 sec.29, T.4 N., R.9 E., at White Lake Rd., at Clarkston, Mich.	14.7	1-25-66 4-14-66 7-25-66 10-11-66 1-11-67 5-25-67 9-13-67 3- 6-68 5- 5-69 8-26-69	5.00 5.64 2.57 3.77 6.92 7.29 3.71 8.42 11.1 5.28

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake St. Clair--continued						
4-1607.90	Sashabaw Creek	Clinton River	SW1/4SW1/4 sec.19, T.4 N., R.10 E., at Waldon Rd., 2 1/4 miles northwest of Eames, Mich.	9.73	7-25-66 5-25-67 9-13-67	.27 7.49 1.30
4-1607.92	Judah Lake inlet	Sashabaw Creek	NW1/4 sec.33, T.4 N., R.10 E., at Joslyn Rd., 0.4 mile south of Eames, Mich.		3- 6-68	.24
4-1607.95	Judah Lake outlet	do	NW1/4 sec.33, T.4 N., R.10 E., at Baldwin Rd., 1.2 miles northwest of Eames, Mich.	4.39	4-13-66 10-10-66 7-21-67 9-13-67 3- 6-68	2.14 0 .54 0 1.07
4-1608.50	Clinton River	Lake St. Clair	SW1/4 sec.10, T.3 N., R.9 E., at outlet of Loon Lake, at Drayton Plains, Mich.	74.7	1-16-47 4-16-47 5-13-47 7-17-47 11-19-47 1-22-48 5- 6-48 7-30-48 9-30-48 12- 1-48 3- 9-49 6- 9-49 9-15-49 1-10-50 4-12-50 9- 7-50 10-16-50 2-27-51 5- 8-51 8-16-51 11-20-51 2-14-52 6- 5-52 8- 8-52 10-28-52 2-12-53 4-14-53 7-28-53 10- 9-53 4-12-54 6-22-54 8-20-54 10- 8-54 3-31-55 7-20-55 10-10-55 1- 5-56 4-16-56 7-23-56 10-16-56 1-17-57 5-28-57 9-23-57 12-21-57 3-14-58 6-13-58 8-19-58 11-26-58 5-13-59 7- 9-59	31.0 228 107 43.3 43.6 38.2 58.9 54.6 18.1 52.9 92.4 25.7 12.7 86.3 193 16.6 53.7 126 96.1 19.0 76.2 96.8 72.5 8.54 14.1 37.8 70.2 21.2 8.72 93.2 38.4 4.56 58.1 96.5 15.2 10.9 23.3 79.2 41.8 16.1 35.4 107 18.7 71.3 60.8 24.5 6.02 12.8 68.3 4.51
4-1609.40	Elizabeth Lake outlet	Clinton River	NW1/4 sec.34, T.3 N., R.9 E., at Cass-Elizabeth Lakes Rd., 2 miles northwest of Keego Harbor, Mich.	2.39	6- 2-66 9-13-67	1.31 .15
4-1609.45	Clinton River	Lake St. Clair	NE1/4 sec.2, T.2 N., R.9 E., at outlet of Cass Lake at Keego Harbor, Mich.	99.9	6- 9-45 7-13-48 12- 1-48 3- 9-49 6-10-49 9- 9-49 4-12-50 9- 7-50 10-16-50 2-22-51 5- 7-51 8-16-51 11-20-51 2-14-52 6- 5-52 8- 8-52 10-28-52 2-11-53 4-14-53 8-14-53 10- 9-53 4-12-54 6-25-54	43.2 93.4 63.8 135 29.2 14.2 76.4 13.0 61.1 163 124 7.35 29.3 45.8 30.2 5.38 10.2 18.3 32.2 14.1 4.69 111 43.4

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake St. Clair--continued						
4-1609.45	Clinton River	Lake St. Clair	Continued		8-20-54	3.23
					11- 5-54	75.0
					3-31-55	117
					7-20-55	12.2
					10-10-55	12.0
					1- 5-56	31.4
					7-23-56	56.9
					10-16-56	15.9
					1-17-57	41.1
					5-28-57	121
					9-23-57	37.4
					3-14-58	71.1
					6-13-58	17.7
					8-19-58	6.74
					11-26-58	20.6
					5-13-59	82.5
					7- 9-59	3.25
4-1609.50	do	do	Lat 42°37'27", long 83°18'57", in SW1/4 sec.31, T.3 N., R.10 E., at Orchard Lake Rd., at Sylvan Lake, Mich.	107	4-14-66	72.6
					7-26-66	2.88
					5-25-67	54.8
					9-13-67	9.99
					5- 5-69	117
					8-26-69	6.41
4-1610.60	Galloway Creek	Clinton River	SW1/4 sec.10, T.3 N., R.10 E., at bridge on Walton Rd., at Pontiac, Mich.		10-31-58	.05
4-1610.90	do	do	NE1/4 sec.24, T.3 N., R.10 E., at bridge on Squirrel Rd., near east limit of Pontiac, Mich.		10-31-58	.17
4-1610.95	Galloway Creek tributary	Galloway Creek	SW1/4SE1/4 sec.18, T.3 N., R.11 E., at Michigan State University at Oakland and near east limit of Pontiac, Mich.		10-31-58	.14
4-1611.00	Galloway Creek	Clinton River	SW1/4SE1/4 sec.18, T.3 N., R.11 E., at Michigan State University at Oakland and near east limit of Pontiac, Mich.	17.8	10-16-58	.30
					10-31-58	.38
4-1611.05	Galloway Creek tributary No. 2	Galloway Creek	SE1/4SE1/4 sec.18, T.3 N., R.11 E., at Michigan State University at Oakland and near east limits of Pontiac, Mich.		10-16-58	.03
					10-31-58	.05
4-1613.00	Paint Creek Drain	Paint Creek	Lat 42°47'47", long 83°17'29", in NW1/4 sec.4, T.4 N., R.10 E., at Newman Rd., 2.4 miles southwest of Oxford, Mich.	18.3	1-25-66	3.32
					4-14-66	8.66
					7-25-66	2.35
					10-13-66	1.36
					1-11-67	18.4
					5-25-67	8.29
					9-12-67	2.46
					3- 6-68	6.79
					5- 5-69	11.2
					8-26-69	3.22
4-1614.93	Paint Creek	Clinton River	NE1/4 sec.3, T.4 N., R.10 E., at Indianwood Rd., at Lake Orion, Mich.	34.9	7-25-66	3.96
					5-25-67	19.2
					9-12-67	4.99
4-1614.95	do	do	SE1/4 sec.2, T.4 N., R.10 E., 50 ft below old powerhouse on lake outlet at Lake Orion, Mich.		9-21-55	23.9
4-1615.20	Trout Creek	Paint River	SE1/4 sec.24, T.4 N., R.10 E., at Greenshield Rd., 3 miles southeast of Lake Orion, Mich.	7.38	8-25-55	1.26
					9-20-55	1.07
					1-26-56	1.61
					4-24-56	4.48
					6- 6-56	5.97
					8- 3-56	2.63
					8-22-56	2.07
					9-20-56	1.90
					10-15-56	1.76
					11-13-56	1.79
					3-25-58	6.61
					5- 9-58	2.86
					9-16-58	.91
					6-10-59	1.81
					9-15-59	1.77
					4-22-60	11.0
					8- 2-60	1.44
					10-12-60	1.98
					1-13-61	1.39
					5-23-61	2.96
					9-12-61	1.39
					3-27-62	14.9
					7-19-62	1.03
					9-28-62	1.62
					5-16-63	5.90

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake St. Clair--continued						
4-1615.22	Trout Creek tributary	Trout Creek	NW1/4 sec.19, T.4 N., R.11 E., at outlet of Michigan Department of Natural Resources (Fish Division) pond, 3 miles southeast of Lake Orion, Mich.	2.35	8-25-55 9-20-55 1-26-56 4-24-56 6- 6-56 8- 3-56 8-22-56 9-20-56 10-15-56 11-13-56 3-25-58 5- 9-58 9-16-58 6-10-59 9-15-59 4-22-60 8- 2-60 10-12-60 1-13-61 5-23-61 9-12-61 3-27-62 7-19-62 9-28-62 5-16-63	1.06 .96 1.09 2.23 2.98 1.16 1.19 1.09 1.61 1.19 2.80 1.62 1.57 .95 .68 3.82 .95 1.19 1.19 1.81 1.22 4.93 .52 1.14 2.05
4-1615.24	Trout Creek	Paint Creek	Lat 42°44'50", long 83°18'50", in NW1/4 sec.20, T.4 N., R.11 E., at Adams Rd., 2.1 miles northwest of Goodison, Mich.	11.8	7-25-66 5-25-67 9-12-67 5- 5-69 8-26-69	2.24 6.09 2.39 9.91 2.92
4-1615.38	Sargent Creek	do	SW1/4 sec.10, T.3 N., R.11 E., at Livernois Rd., at Rochester, Mich.	4.69	1-24-66 4-14-66 6-25-66 10-27-66 1-11-67 5-24-67 9-12-67 3- 6-68	.71 1.67 .10 .10 1.99 1.30 .19 .86
4-1615.65	Stony Creek	Clinton River	SE1/4 sec.27, T.5 N., R.11 E., at Milnine Rd., at Lakeville, Mich.		9-13-67	.63
4-1615.68	Stony Creek tributary	Stony Creek	NW1/4 sec.28, T.5 N., R.11 E., at Lakeville Rd., 1 1/4 miles northwest of Lakeville, Mich.	4.87	7-26-66	0
4-1615.70	Stony Creek	Clinton River	SE1/4 sec.26, T.5 N., R.11 E., at Brewer Rd., 1.2 miles east of Lakeville, Mich.	16.1	7-26-66 5-24-67 9-13-67 5- 5-69 8-26-69	1.32 4.99 1.81 13.6 2.31
4-1615.98	West Branch Stony Creek	Stony Creek	SW1/4 sec.5, T.4 N., R.11 E., at Harmon Rd., 2 miles east of Lake Orion, Mich.	11.7	8-25-55 9-20-55 1-26-56 4-24-56 6- 6-56 8- 3-56 8-22-56 9-20-56 10-15-56 11-13-56 3-25-58 5- 9-58 9-16-58 6-10-59 9-15-59 4-22-60 8- 2-60 10-11-60 1-13-61 5-23-61 9-12-61 3-27-62 7-19-62 9-28-62 5-16-63	.98 .58 1.86 3.12 5.08 1.62 1.79 .97 .72 2.26 3.34 1.80 .58 1.90 1.09 5.76 .75 1.32 1.53 2.22 1.54 9.62 .46 .88 4.41
4-1616.00	do	do	SE1/4 sec.5, T.4 N., R.11 E., at Predmore Rd., 2 1/2 miles east of Lake Orion, and 3 miles southwest of Lakeville, Mich.	14.8	8-25-55 9-20-55 1-26-56 4-24-56 6- 6-56 8- 3-56 8-22-56	1.16 .50 2.41 4.98 5.74 1.87 3.38

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake St. Clair--continued						
4-1616.00	West Branch Stony Creek	Stony Creek	Continued		6-23-65	.90
					7-22-65	.39
					9-24-65	1.95
					11- 3-65	1.30
					11-18-65	1.97
					1-17-66	3.17
					6-16-66	3.95
					7-21-66	.40
					7-26-66	.32
					10-10-66	1.09
					4-11-67	12.1
					5-25-67	3.39
					6-15-67	8.25
					8-31-67	1.84
					9-13-67	1.10
10-18-67	5.60					
12-28-67	3.70					
4-1616.10	West Branch Stony Creek	Stony Creek	On line between secs.14 and 15, T.4 N., R.11 E., at State Highway 150, 5 miles north of Rochester, Mich.	18.2	12-12-56	8.20
4-1617.60	do	do	Lat 42°43'53", long 83°06'02", in SE1/4 sec.25, T.4 N., R.11 E., Oakland County, on Huron-Clinton Metropolitan Park Rd., 3.4 miles west of Washington, Mich.	22.5	10-22-64	.57
					4-20-65	25.2
					8-18-65	.48
					12-10-65	1.94
					3-16-66	9.56
					4-19-66	9.51
					7-26-66	.38
					12- 9-66	19.1
					3-14-67	30.5
					4-18-67	52.4
					5-24-67	5.78
					8- 9-67	2.89
					9-13-67	1.04
					11- 7-67	11.4
					12-13-67	20.3
					12-21-67	104
					3-13-68	17.3
					5- 5-68	12.9
					8-26-68	1.74
					5- 5-69	12.9
					8-26-69	1.74
4-1617.70	Twin Lake outlet	West Branch Stony Creek	Lat 42°43'57", long 83°05'54", in SE1/4 sec.25, T.4 N., R.11 E., Oakland County, on Huron-Clinton Metropolitan Park Rd., 3.2 miles west of Washington, Mich.	3.63	10-22-64	.58
					4-20-65	3.71
					8-18-65	.39
					12-10-65	.71
					3-16-66	1.41
					4-14-66	1.57
					7-26-66	.43
					5-24-67	1.38
					8- 9-67	.74
					9-13-67	.51
					11- 7-67	2.12
					3-13-68	4.38
					9-13-68	4.28
					1-29-69	5.48
					3-12-69	1.66
7- 8-69	1.52					
9- 4-69	.54					
5-21-70	1.70					
7- 9-70	.72					
8-27-70	1.58					
4-1617.80	Mount Vernon Drain	do	Lat 42°44'01", long 83°05'29", in SW1/4 sec.30, T.4 N., R.12 E., Macomb County, on Huron-Clinton Metropolitan Rd., 3.0 miles west of Washington, Mich.	1.87	10-22-64	.17
					4-20-65	1.52
					8-18-65	0
					12-10-65	.52
					3-16-66	.96
					4-14-66	.76
					8- 9-67	.40
					11- 7-67	.96
					3-13-68	1.86
					9-13-68	1.16
					1-29-69	1.81
					3-12-69	.56
					9- 4-69	0
					5-21-70	.66
					7- 9-70	.5
8-27-70	.33					

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake St. Clair--continued						
4-1641.10	East Pond Creek	North Branch Clinton River	NW1/4 sec.6, T.4 N., R.13 E., at Powell Rd., 0.5 mile above mouth, 1.6 miles east of Romeo, Mich.	24.5	10-11-60	4.00
					3-29-61	12.0
					5-24-61	10.7
					9-11-61	4.44
					11- 9-61	5.31
					4-16-63	8.14
					7-30-64	1.34
					4-12-66	13.2
6- 1-67	7.15					
4-1641.30	North Branch Clinton River	Clinton River	NW1/4 sec.16, T.4 N., R.13 E., at 30-mile Rd., 2.0 miles northwest of Ray Center, Mich.	80.5	10-11-60	6.70
					3-29-61	29.5
					5-24-61	21.9
					9-11-61	6.42
					11- 9-61	11.4
					4-16-63	18.4
					7-30-64	1.27
					4-12-66	37.2
6- 1-67	12.3					
4-1641.50	do	do	NE1/4 sec.34, T.4 N., R.13 E., at bridge 1.9 miles northwest of Meade and 2.8 miles east of Davis, Mich.	89.6	9-15-59	3.04
4-1641.90	Coon Creek	North Branch Clinton River	NE1/4 sec.21, T.5 N., R.13 E., at Armada Center Rd., 2.1 miles west of Armada, Mich.	3.98	10-11-60	.12
					3-29-61	.86
					5-24-61	.49
					9-11-61	.20
					11- 9-61	.43
					4-16-63	.52
					7-30-64	.07
					4-12-66	.79
6- 1-67	.55					
4-1642.00	do	do	SW1/4 sec.1, T.4 N., R.13 E., at bridge on North Rd., 3.4 miles south of Armada, Mich.	10.0	9-15-59	.31
					6- 9-60	1.35
					8-18-60	.34
					10-11-60	.24
					1-13-61	.55
					3-29-61	1.66
					5-24-61	1.51
					9-11-61	.15
					11- 9-61	.49
					8-23-62	.05
					3-26-63	9.63
					4-16-63	1.13
5-11-63	29.6					
4-1642.10	do	do	SW1/4 sec.25, T.4 N., R.13 E., at North Rd., 1.4 miles north of Meade, Mich.	15.2	10-11-60	.06
					3-29-61	2.57
					5-24-61	1.87
					9-11-61	.07
					11- 9-61	.60
					4-16-63	1.11
					7-30-64	0
					4-12-66	3.71
					6- 1-67	1.32
					5- 5-69	4.40
					8-26-69	.20
					4-1642.30	Tupper Brook
3-29-61	.20					
5-24-61	.21					
9-11-61	0					
11- 9-61	0					
4-16-63	.10					
7-30-64	0					
4-12-66	.76					
6- 1-67	.01					
4-1642.50	do	do	NW1/4 sec.23, T.4 N., R.13 E., at 29-mile Rd., at Ray Center, Mich.	8.62	9-14-59	0
					10-11-60	0
					3-29-61	.26
					5-24-61	.42
					9-11-61	0
					11- 9-61	0
					4-16-63	.26
					7-30-64	0
					4-12-66	1.56
					6- 1-67	0
					5- 5-69	2.20
					8-26-69	0
4-1642.90	East Branch Coon Creek	do	SE1/4 sec.2, T.5 N., R.13 E., at Pratt Rd., 3.0 miles north of Armada, Mich.	8.34	10-11-60	.02
					3-29-61	.54
					5-24-61	.71
					9-11-61	.26
					11- 9-61	.42
					4-16-63	.36
					7-30-64	0
					4-12-66	1.35
6- 1-67	.34					

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake St. Clair--continued						
4-1643.10	East Branch Coon Creek	Coon Creek	SW1/4 sec.6, T.4 N., R.14 E., at Omo Rd., 3.7 miles south of Armada, Mich.	19.6	10-11-60	.10
					3-29-61	1.83
					5-24-61	2.32
					9-11-61	.43
					11- 9-61	.94
					4-16-63	1.36
					7-30-64	0
					4-12-66	4.68
					6- 1-67	1.17
4-1643.20	Highbank Creek	East Branch Coon Creek	SW1/4 sec.20, T.5 N., R.14 E., at Armada Ridge Rd., 2.5 miles east of Armada, Mich.	4.34	10-11-60	0
					3-29-61	.19
					5-24-61	.13
					9-11-61	.01
					11- 9-61	.02
					4-16-63	.07
					7-30-64	0
					4-12-66	.59
					6- 1-67	.05
4-1643.30	do	do	NE1/4 sec.31, T.5 N., R.14 E., above mouth of Cemetery Creek at 33-mile Rd., 2.3 miles south-east of Armada, Mich.	5.06	10-11-60	0
					3-29-61	.31
					5-24-61	.20
					9-11-61	.01
					11- 9-61	.06
					4-16-63	.15
					7-30-64	0
					4-12-66	.82
					6- 1-67	.08
4-1643.40	Cemetery Creek	Highbank Creek	NW1/4 sec.31, T.5 N., R.14 E., at mouth at 33-mile Rd., 2.3 miles southeast of Armada, Mich.	6.44	10-11-60	.12
					3-29-61	.44
					5-24-61	.55
					9-11-61	.16
					11- 9-61	.19
					4-16-63	.28
					7-30-64	.07
					4-12-66	.98
					6- 1-67	.30
4-1643.50	Highbank Creek	East Branch Coon Creek	SW1/4 sec.31, T.5 N., R.14 E., at gaging station at 32-mile Rd., 3.0 miles southeast of Armada,	14.9	9-15-59	.14
					6- 9-60	.64
					8-18-60	.06
					10-11-60	.22
					1-13-61	.11
					3-29-61	.79
					5-24-61	.46
					9-11-61	.15
					11- 9-61	.18
					8-23-62	.08
					3-29-63	8.85
					4-16-63	.60
					5-11-63	41.4
					7-30-64	.05
4-12-66	2.23					
					6- 1-67	.26
4-1643.60	East Branch Coon Creek	Coon Creek	SW1/4 sec.18, T.4 N., R.14 E., at 29-mile Rd., 3.4 miles northwest of New Haven, Mich.	36.1	9-14-59	0
					6- 9-60	1.98
					8-18-60	0
					10-11-60	0
					1-13-61	.30
					3-29-61	3.18
					5-24-61	3.33
					9-11-61	.60
					11- 9-61	1.49
					8-23-62	0
					4-16-63	.31
					5-11-63	159
					7-30-64	0
					4-12-66	7.62
					6- 1-67	1.69
4-1643.85	do	do	SW1/4 sec.36, T.4 N., R.13 E., at North Rd., 0.3 mile north of Meade, Mich.	45.3	5- 5-69	10.6
					8-26-69	0
4-1643.90	Coon Creek	North Branch Clinton River	NE1/4 sec.2, T.3 N., R.13 E., at 26-mile Rd., 0.3 miles west of Meade and 2.0 miles above mouth.	71.8	10-11-60	0
					3-29-61	8.01
					5-24-61	6.98
					9-11-61	.49
					11- 9-61	2.25
					4-16-63	4.45
					7-30-64	0
					4-12-66	16.0
					6- 1-67	2.02

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake St. Clair--continued						
4-1643.95	Deer Creek	North Branch Clinton River	NE1/4 sec.31, T.4 N., R.14 E., at 27-mile Rd., 1.7 miles west of New Haven, Mich.	10.3	10-11-60 3-29-61 5-24-61 9-11-61 11- 9-61 4-16-63 7-30-64 4-12-66 6- 1-67	.04 1.12 .78 .09 .15 .76 .04 2.28 1.47
4-1644.00	do	do	NW1/4 sec.6, T.3 N., R.14 E., at 25 1/2-mile Rd., 0.9 miles southeast of Meade, Mich.	12.7	9-15-59 6- 9-60 8-18-60 9- 8-60 10-11-60 3-29-61 5-24-61 9-11-61 11- 9-61 4-16-63 7-30-64 10-29-65 4-12-66 6- 1-67 5- 5-69 8-26-69	.06 .59 .12 .10 .10 1.35 1.11 .16 .20 .68 .15 .07 2.60 1.67 3.12 2.46
4-1644.50	McBride Drain	North Branch Clinton River	NE1/4NE1/4 sec.16, T.3 N., R.13 E., at 24-mile Rd., 2.2 miles southeast of Macomb, Mich.	5.79	10-11-60 3-29-61 5-24-61 9-11-61 11- 9-61 4-16-63 7-30-64 4-12-66 6- 1-67	0 .53 .45 .05 .05 .26 0 1.22 .15
4-1644.70	Hart Drain	do	NE1/4 sec.26, T.3 N., R.13 E., at mouth at North Ave., 3.0 miles north of northern limit of Mouth Clemens, Mich.	4.80	10-11-60 3-29-61 5-24-61 9-11-61 11- 9-61 4-16-63 7-30-64 4-12-66 6- 1-67	0 .60 .42 0 .02 .10 0 .93 .07
4-1645.20	Middle Branch Clinton River	Clinton River	NW1/4 sec.16, T.3 N., R.12 E., at 24-mile Rd., 4.0 miles north of Utica, Mich.	4.81	10-11-60 3-29-61 5-24-61 9-11-61 11- 9-61 4-16-63 7-30-64 4-12-66 6- 1-67	.83 1.94 2.46 .84 .80 1.45 .90 2.85 1.18
4-1645.50	Keller Drain	Middle Branch Clinton River	NW1/4 sec.2, T.3 N., R.12 E., at mouth at Jewell Rd., 3.0 miles west of Macomb, Mich.	8.42	10-11-60 3-29-61 5-24-61 9-11-61 11- 9-61 4-16-63 7-30-64 4-12-66 6- 1-67	.86 3.19 2.60 1.01 1.53 2.39 .16 3.90 1.66
4-1646.00	Middle Branch Clinton River	North Branch Clinton River	SW1/4 sec.1, T.3 N., R.12 E., at gaging station at Schoenherr Rd., 2.0 miles west of Macomb, Mich.	22.2	9-15-59 6- 9-60 8-18-60 10-11-60 1-13-61 3-29-61 5-24-61 9-11-61 11- 9-61 8-23-62 4-16-63 5-11-63 7-30-64 9-22-64 4-12-66 6- 1-67 5- 5-69 8-26-69	3.36 5.30 2.69 2.48 3.64 10.3 8.04 3.03 4.33 2.22 7.09 38.1 1.12 2.83 11.6 4.04 14.1 1.00

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake St. Clair--continued						
4-1647.00	Healy Drain	Middle Branch Clinton River	SW1/4SE1/4 sec.31, T.4 N., R.13 E., at 26-mile Rd., 0.5 mile above mouth, 1.1 miles north of Macomb, Mich.	16.8	10-11-60 3-29-61 5-24-61 9-11-61 11- 9-61 4-16-63 7-30-64 4-12-66 6- 1-67	.27 1.46 1.37 .31 .60 1.83 .02 2.74 .75
4-1648.00	Middle Branch Clinton River	North Branch Clinton River	SW1/4 sec.5, T.3 N., R.13 E., at gaging station at Romeo Plank Rd., 0.4 miles north of Macomb, Mich.	41.0	9-15-59 6- 9-60 8-18-60 10-11-60 1-13-61 3-29-61 5-24-61 9-11-61 11- 9-61 8-23-62 4-16-63 7-30-64 4-12-66 6- 1-67 5- 5-69 8-26-69	4.01 6.62 1.93 2.72 3.39 12.1 11.2 3.07 4.93 2.55 8.07 1.08 16.5 5.51 19.8 1.53
4-1648.10	do	do	NW1/4 sec.4, T.2 N., R.13 E., at State Highway 59, 2.0 miles south of Waldenburg, Mich.	48.8	5- 5-69 8-26-69	20.8 .82
4-1651.90	Dunn Drain	Gloede Ditch	NE1/4NW1/4 sec.31, T.3 N., R.13 E., at mouth at Tilch Rd., 1.9 miles southwest of Waldenburg, Mich.	7.60	10-11-60 3-29-61 5-24-61 9-11-61 11- 9-61 4-16-63 7-30-64 4-12-66 6- 1-67	0 3.52 2.65 .13 .76 2.44 1.05 3.31 .48
4-1652.00	Gloede Ditch	Middle Branch Clinton River	SW1/4 sec.32, T.3 N., R.13 E., 500 ft above bridge on State Highway 59, 2.2 miles south of Waldenburg, Mich.	16.0	9-14-59 10-11-60 3-29-61 5-24-61 9-11-61 11- 9-61 4-16-63 7-30-64 4-12-66 6- 1-67 5- 5-69	.42 .13 5.48 4.72 .72 1.32 4.08 1.58 6.63 .70 .56
4-1652.20	Middle Branch Clinton River	Clinton River	Private Claim 546, T.2 N., R.13 E., at Heydereich Rd., near mouth, just above Miller Drain, 1.0 mile west of Mount Clemens, Mich.	74.7	10-11-60 1-13-61 3-29-61 5-24-61 9-11-61 11- 9-61 4-16-63 7-30-64 4-12-66 6- 1-67	2.49 4.10 20.6 18.0 2.50 7.14 12.4 4.02 27.0 6.92
4-1655.50	Harrington Drain	do	Lat 42°34'08", long 82°55'43", in SW1/4 sec. 21, T.2 N., R.13 E., at 16-mile Rd., 1.9 miles northeast of Cady, Mich.	15.9	5- 5-69 8-26-69	1.48 .55
Streams tributary to Detroit River						
4-1659.87	River Rouge tributary No. 1	River Rouge	NE1/4NE1/4 sec.24, T.2 N., R.10 E., at Wattles Rd., 1 mile east of Bloomfield Hills, Mich.		7-25-66	.17
4-1659.90	River Rouge tributary	do	NE1/4NE1/4 sec.26, T.2 N., R.10 E., at Quarton Rd., at Birmingham, Mich.	21.5	1-25-66 4-14-66 7-25-66 10-25-66 1-12-67 5-25-67 8-24-67 9-13-67 3- 5-68 4-23-68	1.76 2.64 .36 .79 1.99 2.49 1.41 1.10 9.07 10.6

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Detroit River--continued						
4-1660.30	Franklin Branch	Middle River Rouge	NW1/4NW1/4 sec.9, T.1 N., R.10 E., at Thirteen Mile Rd., at Franklin, Mich.	15.4	1-25-66	4.11
					4-14-66	8.04
					7-25-66	1.20
					10-25-66	3.66
					1-12-67	6.14
					5-25-67	5.33
					8-24-67	2.56
					9-13-67	2.32
					3- 5-68	8.55
					4-23-68	11.8
4-1660.90	Pebble Creek	do	NE1/4 sec.30, T.1 N., R.10 E., at Ten Mile Rd., 1.4 miles southwest of Southfield, Mich.	10.3	2-24-66	2.30
					4-14-66	3.48
					7-25-66	.52
					10-25-66	.91
					1-12-67	5.12
					5-24-67	2.58
					8-24-67	.62
					9-13-67	.58
					3- 5-68	3.56
					4-23-68	5.35
4-1662.90	Minnow Pond Drain	Upper River Rouge	SW1/4 sec.15, T.1 N., R.9 E., at Farmington Rd., at Quakertown, Mich.	9.18	1-25-66	.26
					4-14-66	2.69
					7-25-66	.06
					10-25-66	.11
					1-12-67	1.14
					5-24-67	.93
					8-24-67	.07
					9-12-67	.26
					3- 5-68	.71
					4-23-68	3.62
4-1663.50	Upper River Rouge	River Rouge	N1/2 sec.20, T.1 S., R.10 E., at Fenkell Rd., at Redford, Mich.	22.2	8-24-67	2.05
					4-23-68	14.8
4-1664.00	Bell Branch	Upper River Rouge	NW1/4 sec.13, T.1 S., R.9 E., at Middle Belt Rd., 2.1 miles northeast of Livonia, Mich.	20.2	8-24-67	.62
					4-22-68	7.44
4-1664.20	Tarabusi Creek	Bell Branch	SW1/4 sec.12, T.1 S., R.9 E., at Middle Belt Rd., 2.2 miles northeast of Livonia, Mich.	6.68	8-24-67	.90
					4-22-68	4.91
4-1664.50	Bell Branch	Upper River Rouge	SW1/4 sec.20, T.1 S., R.10 E., at Beech-Daly Rd., at Redford, Mich.	40.8	8-24-67	2.86
					4-23-68	13.2
4-1665.95	Walled Lake Branch		NE1/4 sec.22, T.1 N., R.8 E., at Novi Rd., at Novi, Mich.	9.75	7-25-66	.02
					5-24-67	.95
					8-24-67	.005
					9-12-67	.02
					4-23-68	8.39
4-1666.00	do	do	NW1/4SW1/4 sec.35, T.1 N., R.8 E., at Novi Rd., at Northville, Mich.	22.1	1-26-66	1.48
					4-14-66	6.09
					7-25-66	1.03
					10-13-66	.94
					1-12-67	4.43
					5-24-67	4.25
					8-24-67	.81
					9-12-67	.81
					3- 5-68	8.03
					4-23-68	14.1
4-1666.45	Johnson Drain	Middle River Rouge	NE1/4SE1/4 sec.15, T.1 S., R.7 E., at Currie Rd., 1.0 mile southwest of Salem, Mich.	3.73	8-18-70	0
4-1666.50	do	do	SE1/4 sec.24, T.1 S., R.7 E., at Napier Rd., 1.2 miles east of Brookville, Mich.	11.5	8-24-67	.38
					4-23-68	6.05
					2- 9-70	2.53
					6-23-70	3.33
					8-18-70	.27
4-1667.00	do	do	SE1/4 sec.3, T.1 S., R.8 E., at Sevenmile Rd., at Northville, Mich.	26.1	8-24-67	2.08
					4-23-68	12.7
4-1667.47	Middle River Rouge	River Rouge	Sec.23, T.1 S., R.8 E., at Plymouth, Mich.		7-12-63	6.6
4-1667.49	do	do	SW1/4 sec.25, T.1 S., R.8 E., at Haggerty Rd., at Plymouth, Mich.	60.7	8-24-67	7.49
					4-23-68	39.1
4-1667.95	Tonquish Creek	Middle River Rouge	NW1/4 sec.12, T.2 S., R.8 E., Wayne County, at Haggerty Rd., 2.8 miles southeast of Plymouth, Mich.	8.8	4- 8-69	8.91

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Detroit River--continued						
4-1668.00	Willow Creek	Tonquish Creek	NE1/4 sec.7, T.2 S., R.9 E., at Tonquish Rd., 2.6 miles southwest of Nankin Mills, Mich.	6.74	8-24-67 4-23-68	.10 2.22
4-1669.00	Tonquish Creek	Middle River Rouge	NW1/4 sec.4, T.2 S., R.9 E., at Wayne Rd., at Nankin Mills, Mich.	24.2	8-24-67 4-23-68	1.09 8.97
4-1672.90	Lower River Rouge	River Rouge	SE1/4 sec.13, T.2 S., R.7 E., at Napier Rd., 0.6 mile northwest of Cherry Hill, Mich.	1.74	8-17-70	.001
4-1673.00	Lower River Rouge	do	SW1/4 sec.28, T.2 S., R.8 E., at Beck Rd., 1.6 miles northwest of Sheldon, Mich.	9.01	8-24-67 4-23-68	.17 2.44
4-1673.30	Fowler Creek	Lower River Rouge	NW1/4 sec.36, T.2 S., R.7 E., at Ridge Rd., 1.0 mile northeast of Willow Run, Mich.	7.45	8-17-70	.03
4-1673.40	do	do	SW1/4 sec.28, T.2 S., R.8 E., at Beck Rd., 1.5 miles northwest of Sheldon, Mich.	12.0	8-24-67 4-23-68	0 2.38
4-1673.42	Lower River Rouge	River Rouge	NW1/4 sec.27, T.2 S., R.8 E., at bridge on Canton-Center Rd., 6 miles south of Plymouth, Mich.		7-12-63	.1
4-1675.00	do	do	SW1/4 sec.25, T.2 S., R.8 E., at Haggerty Rd., 1.5 miles east of Sheldon, Mich.	37.5	8-24-67 4-23-68	.28 10.1
4-1675.98	Follows Creek	Lower River Rouge	SE1/4 sec.24, T.2 S., R.8 E., Wayne County, at Lotz Rd., 3.0 miles northwest of Wayne, Mich.	14.5	4- 8-69	1.58
4-1676.00	do	do	NE1/4 sec.25, T.2 S., R.8 E., at Palmer Rd., 2.7 miles northwest of Wayne, Mich.	16.0	8-24-67 4-23-68	.12 4.64
4-1681.00	Lower River Rouge	River Rouge	Land grant 665, T.2 S., R.10 E., at South Brady Rd., at Dearborn, Mich.	91.9	8-23-67 4-23-68	3.38 21.5
4-1685.20	River Rouge	Detroit River	NE1/4 sec.23, T.2 S., R.10 E., at U.S. Highway 112, at Dearborn, Mich.		4- 5-50	6,900
Streams tributary to Lake Erie						
4-1688.00	Huron River	Lake Erie	SW1/4 sec.3, T.3 N., R.8 E., at White Lake Rd., 5.0 miles southwest of Clarkston, Mich.	13.9	2-23-66 4-14-66 7-26-66 10-13-66 1- 7-67 5-25-67 9-13-67 3- 5-68 8-17-70	1.95 3.23 .16 .26 3.46 2.23 .34 3.28 .32
4-1689.00	do	do	SE1/4 sec.13, T.3 N., R.8 E., at Pontiac Lake Rd., 4.4 miles southwest of Drayton Plains, Mich.	20.7	7-13-48 9-30-48 12- 1-49 6- 8-49 9-15-49 10- 7-50 12- 8-50 1-10-51 2- 2-51 4-12-51 2-14-52 2-23-66 4-14-66 7-26-66 10-13-66 1- 7-67 5-24-67 9-13-67 3- 5-68 8-17-70	1.46 0 30.4 0 0 .18 .20 28.9 22.7 62.7 39.0 0 4.05 0 .03 .05 .97 .16 1.20 .06
4-1689.05	do	do	SE1/4 sec.23, T.3 N., R.8 E., Oakland County, 0.3 mile above Oxbow Lake, at Oxbow, Mich.	20.8	10- 2-68	10.6
4-1689.10	do	do	NW1/4SE1/4 sec.27, T.3 N., R.8 E., Oakland County, at outlet of Cedar Island Lake, at Oxbow Lake Rd., at Oxbow, Mich.	27.6	7-26-66 5-24-67 9-13-67 10- 2-68 8-17-70	1.22 3.44 5.45 14.3 3.86
4-1689.20	do	do	NE1/4 sec.3, T.2 N., R.8 E., Oakland County, at Cooley Lake Rd., 1.6 miles north of Commerce, Mich.	40.6	10- 2-68	25.3

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Erie--continued						
4-1706.50	Woodruff Creek	Huron River	NW1/4 sec.2, T.1 N., R.6 E., at Grand River 4.0 miles east of Brighton, Mich.	26.3	8-17-70	8.54
4-1707.00	Huron River	Lake Erie	NW1/4 sec.16, T.1 N., R.6 E., at McCabe Rd., 2.5 miles southwest of Greenoak, Mich.	200	8-18-70	51.9
4-1707.95	Davis Creek	Huron River	SE1/4SE1/4 sec.16, T.1 N., R.7 E., at Milford Rd., 2 1/2 miles south of New Hudson, Mich.	15.6	7-26-66 5-24-67 9-12-67	.23 5.31 .03
4-1708.00	do	do	NE1/4 sec.18, T.1 N., R.7 E., at Pontiac Trail Rd., 2.0 miles north of South Lyon, Mich.	24.4	2-23-66 4-14-66 7-26-66 10-13-66 1- 7-67 5-24-67 9-12-67 3- 5-68 8-17-70	1.63 6.85 1.04 .11 1.72 9.82 .77 7.37 1.62
4-1708.50	Inchwagh Lake outlet	Davis Creek	NE1/4 sec.26, T.1 N., R.6 E., at Rushton Rd., 2.6 miles west of South Lyon, Mich.	18.9	8-17-70	1.10
4-1709.00	Tobin Lake outlet	Inchwagh Lake outlet	NE1/4 sec.3, T.1 S., R.6 E., at 8-mile Rd., 2.8 miles east of Whitmore Lake, Mich.	7.84	8-17-70	0
4-1710.10	Davis Creek	Huron River	NW1/4 sec.21, T.1 N., R.6 E., at Silver Lake Rd., 3.3 miles north of Whitmore Lake, Mich.	66.5	8-18-70	8.04
4-1714.00	Murray Lake outlet	South Ore Creek	NE1/4 sec.2, T.1 N., R.5 E., at Bauer Rd., 2.0 miles southwest of Brighton, Mich.	4.57	4-25-52 5- 9-52 6-12-52 7-23-52 8-19-52 9-25-52 10-10-52 11-10-52 12-12-52 1- 9-53 2-19-53 3-10-53 4- 6-53 5- 4-53 6-19-53 8-10-53 9-14-53 10- 5-53 12-15-53 1-11-54 2-15-54 3-19-54 4-23-54 6-23-54 7-19-54 8-18-54 9-13-54 10-10-54 10-20-54 11-29-63 2- 5-64 5-23-64	6.94 4.86 2.37 2.91 1.57 1.65 1.14 2.02 5.25 3.02 3.10 4.98 6.01 6.84 2.44 2.23 1.15 1.42 3.53 2.19 5.52 5.24 7.86 7.50 1.94 1.69 .97 5.15 9.12 1.66 2.48 2.34
4-1714.50	Huron River	Lake Erie	N1/2 sec.20, T.1 N., R.6 E., at bridge on U.S. Highway 23, near Hamburg, Mich.		4- 6-49 4- 6-49 5-20-49 5-26-49	482 593 580 430
4-1715.00	South Ore Creek	Huron River	NW1/4 sec.12, T.1 N., R.5 E., at Hamburg Rd., 2.5 miles southwest of Brighton, Mich. (old gaging station, 04171500.)	33.7	8-18-70	5.39
4-1720.50	O'Connor Drain	Horseshoe Lake	NE1/4 sec.17, T.1 S., R.6 E., at 6-mile Rd., 1.9 miles southeast of Whitmore Lake, Mich.	9.72	8-17-70	.004

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Erie--continued						
4-1721.05	Horseshoe Lake outlet	Huron River	NW1/4 sec.8, T.1 S., R.6 E., at Whitmore Lake Rd., at Whitmore Lake, Mich.	21.2	6-12-45 7-17-45 5- 5-46 5-12-46 4- 8-46 4-19-46 5-13-46 1-21-47 4- 4-47 4-10-47 4-17-47 5-14-47 11-20-47 5-18-48 8-26-48 11-30-48 3-16-49 6- 6-49 10- 3-49 1-27-50 4-20-50 8- 4-50 4-14-52 8-17-70	14.4 4.16 52.9 46.2 5.57 2.86 .52 3.10 93.2 161 41.8 13.4 10.1 49.5 0 .03 6.19 1.38 0 86.5 23.9 0 62.3 .26
4-1721.35	do	do	SW1/4 sec.25, T.1 N., R.5 E., at Hamburg Rd., at Hamburg, Mich.		2- 5-64	.49
4-1721.40	do	do	NW1/4 sec.26, T.1 N., R.5 E., at Merrill Rd., 1.0 mile west of Hamburg, Mich.	30.7	8-18-70	2.84
4-1721.70	Chilson Creek	do	NW1/4 sec.21, T.1 N., R.5 E., at State Highway 36, 1.0 mile west of Lakeland, Mich.	15.5	8-18-70	2.20
4-1721.80	Hay Creek	Chilson Creek	SE1/4 sec.6, T.1 N., R.5 E., at bridge on Chambers Rd., 3 1/2 miles northeast of Pinckney, Mich.		4-25-52 5- 9-52 6-12-52 7-22-52 8-18-52 9-25-52 10-20-52 11-10-52 12-12-52 1- 9-53 2-19-53 4- 6-53 5- 4-53 6-19-53 8-10-53 9-14-53 10- 5-53 12-15-53 1-11-54 2-15-54 3-15-54 4-22-54 5-10-54 6-23-54 7-19-54 8-19-54 9-13-54	2.92 1.49 1.16 .76 .39 .31 .63 .44 2.11 1.00 .69 2.98 3.07 .76 .38 .10 .17 .67 .48 1.41 2.09 3.84 1.61 6.49 .44 .21 .10
4-1722.00	Arms Creek	Huron River	Lat 42°25'16", long 83°52'30", in NE1/4 sec.5, T.1 S., R.5 E., Washtenaw County, at Mast Rd., 4.4 miles southwest of Hamburg, Mich.	20.9	4-15-52 4-25-52 5-14-52 10-17-52 9-29-67 10-20-67 11-29-67 12-29-67 12-29-67 2-15-68 3-22-68	60.2 22.7 7.1 3.4 2.28 3.43 5.93 10.7 15.4 13.6 23.6

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Erie--continued						
4-1722.00	Arms Creek	Huron River	continued		4-12-68	15.8
					5- 8-68	8.49
					6- 6-68	14.6
					7-12-68	20.0
					8-19-68	8.30
					9- 3-68	5.68
					10-24-68	2.48
					11- 9-68	8.37
					12-20-68	8.53
					1-24-69	56.8
					2-20-69	9.12
					3-20-69	15.1
					7-11-69	10.3
					9-25-69	3.48
					2-11-70	5.53
					5-22-70	17.0
					7-22-70	10.1
					8-18-70	3.80
4-1722.50	Portage Creek	do	NE1/4 sec.6, T.1 S., R.3 E., at Bowdish Rd., 1.5 miles southwest of Williamsville, Mich.	16.4	8-17-70	3.60
4-1723.00	do	do	NW1/4 sec.33, T.1 N., R.3 E., at Williamsville Rd., at Williamsville, Mich.	33.2	10- 4-44	8.39
					8-28-46	1.72
					9-17-46	.66
					10-23-46	5.77
					12-10-46	16.2
					1-22-47	37.0
					8-17-70	6.98
4-1723.50	do	do	NW1/4 sec.34, T.1 N., R.3 E., 1 mile north-west of Unadilla, Mich.		10- 4-44	6.41
					11- 9-44	8.58
					3- 9-45	37.8
					4- 6-45	68.3
					5-20-45	170
					5-24-45	103
					4- 9-46	19.5
					9-13-46	2.31
					1-22-47	20.2
					3-20-47	47.0
					4-18-47	93.1
					5-14-47	44.9
					9-25-47	22.6
					12-18-47	39.0
					5-21-48	66.1
					8-26-48	5.12
					11-30-48	18.2
					3-16-49	27.8
					6-22-49	27.7
					9-27-49	11.2
					1-24-50	49.5
					4-19-50	64.8
					7-21-50	14.9
					11- 6-50	17.1
					5-15-51	61.4
					8-27-51	8.34
					11-28-51	30.7
					2-25-52	24.7
					6-11-52	20.0
					8-18-52	6.92
					10-23-52	7.07
4-1724.00	South Lake outlet	Portage Creek	NE1/4 sec.9, T.1 S., R.3 E., at Boyce Rd., 2.0 miles southwest of Unadilla, Mich.	15.7	8-24-55	1.08
					9-22-55	0
					1-25-56	2.68
					4-24-56	11.1
					6- 7-56	8.17
					8- 3-56	1.39
					8-22-56	3.62
					9-20-56	2.41
					10-15-56	1.36
					11-13-56	2.26
					2- 6-57	4.80
					2- 6-58	4.80
					4- 3-58	6.90
					5- 8-58	3.55
					10-20-58	1.56
					6- 9-59	2.09
					9-14-59	1.14
					4-22-60	19.0
					8- 2-60	2.17
					10-12-60	1.14
					1-13-61	2.08
					5-23-61	4.62
					9-12-61	5.73
					3-27-62	22.7
					7-19-62	.58
					9-28-62	4.34
					4-17-63	5.82
					8-17-70	3.24
4-1724.15	Livermore Creek	do	NW1/4 sec.24, T.1 N., R.3 E., at State Highway 36, 2.2 miles northeast of Unadilla, Mich.	8.42	8-17-70	.73

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Erie--continued						
4-1731.55	Mill Creek tributary	Mill Creek	Lat 42°14'51", long 84°01'46", in NW1/4 sec.1, T.3 S., R.3 E., Washtenaw County, at Waldo Rd., 3.7 miles southeast of Sylvan, Mich.	23.8	2-10-70 6-23-70 8-17-70	7.81 5.37 3.35
4-1732.30	Mill Creek	Huron River	Lat 42°15'30", long 84°00'51", in NE1/4SE1/4 sec.36, T.2 S., R.3 E., Washtenaw County, on Scio Church Rd., 4.2 miles south of Chelsea, Mich.	37.3	1-15-70	10.9
4-1732.50	do	do	Lat 42°15'56", long 83°56'45", in NE1/4 sec. 34, T.2 S., R.4 E., Washtenaw County, at Guenther Rd., 2.2 miles south of Lima Center, Mich.	47.3	9-27-67 10-20-67 11-29-67 12-20-67 1-30-68 2-27-68 3-21-68 4-12-68 5-23-68 6- 5-68 7-16-68 8-19-68 9- 4-68 10-25-68 12-11-68 12-19-68 1-23-69 2-17-69 3-21-69 7-11-69 9-26-69 2-10-70 5-22-70 7-24-70	6.65 18.7 17.6 30.3 176 14.3 56.9 31.2 22.8 32.2 28.8 28.1 16.3 15.1 23.4 23.8 95.6 21.3 38.4 27.2 11.9 19.0 20.0 52.3
4-1732.52	do	do	NE1/4 sec.35, T.2 S., R.4 E., at Liberty Rd., 2.7 miles southeast of Lima Center, Mich.	9.70	8-17-70	.51
4-1732.54	do	do	NE1/4 sec.26, T.2 S., R.4 E., at Jerusalem Rd., 2.0 miles southeast of Lima Center, Mich.	59.8	8-17-70	8.92
4-1733.00	North Fork Mill Creek	Mill Creek	SE1/4 sec.2, T.2 S., R.3 E., at highway bridge 1 1/2 miles northwest of Chelsea, Mich.	7.73	8-24-55 9-22-55 1-25-56 4-24-56 6- 7-56 8- 3-56 8-22-56 9-20-56 10-15-56 11-13-56 2- 6-57 4- 3-58 5- 8-58 10-20-58 6- 9-59 9-14-59 10-12-60 1-13-61 5-23-61 9-12-61 3-27-62 7-19-62 9-28-62 4-17-63	.30 .24 1.72 2.74 3.88 .80 1.01 .43 .70 .69 1.82 2.41 1.54 .36 .89 .26 .48 .86 2.31 .95 11.3 .39 .54 2.00
4-1733.10	do	do	SE1/4 sec.1, T.2 S., R.3 E., at McKinley Rd., 0.5 mile north of Chelsea, Mich.	14.6	6- 8-44 7-26-44 8-29-44 10- 4-44 2-19-45 3-13-45 4- 5-45 5-23-45 4- 9-46 9- 9-46 1-22-47 3-21-47 4-22-60 8- 2-60 8-17-61 8-17-70	7.56 2.50 1.11 2.68 6.52 11.6 25.7 47.1 4.92 .69 5.62 10.4 17.2 1.14 .62 1.67

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Erie--continued						
4-1733.20	Letts Creek	North Fork Mill Creek	Lat 42°19'29", long 84°01'15", in NE1/4 sec.12, T.2 S., R.3 E., Washtenaw County, at Manchester Rd., (M-52), at Chelsea, Mich.	18.8	8-16-57 9-12-57 10-10-57 12-27-57 4- 3-58 5-14-58 10-20-58 6- 9-59 8-17-61 2-11-70 6-23-70 8-17-70	2.20 2.27 3.41 28.5 8.39 3.58 2.61 3.56 2.07 6.84 8.76 4.07
4-1733.30	North Fork Mill Creek	Mill Creek	NE1/4 sec.8, T.2 S., R.4 E., 1 1/2 miles east of Chelsea, Mich.		6- 8-44 7-26-44 8-29-44 10- 4-44 2-19-45 3-14-45 4- 5-45 5-23-45 4- 9-46 7- 9-46 1-22-47 3-21-47 8-17-61	16.4 3.10 1.44 4.06 18.9 26.4 126 118 17.0 1.54 24.2 58.3 2.96
4-1733.35	Fourmile Lake outlet	North Fork Mill Creek	NW1/4 sec.9, T.2 S., R.4 E., at Dexter-Chelsea Rd., 2.5 miles east of Chelsea, Mich.	9.89	6- 8-44 7-26-44 8-29-44 10- 4-44 3-14-45 4- 5-45 5-23-45 4- 9-46 1-22-47 8-17-70	3.26 .07 0 0 .74 2.19 2.70 .37 .53 .09
4-1733.40	North Fork Mill Creek	Mill Creek	On line between secs.9 and 16, T.2 S., R.4 E., 1 mile north of Lima, Mich.	51.8	8-16-57 9-12-57 10-10-57 12-27-57 4- 3-58 5-14-58 10-20-58 6- 9-59	4.73 5.14 5.07 59.9 20.9 8.98 4.90 7.55
4-1733.50	do	do	Lat 42°17'15", long 83°56'14", in SW1/4 sec. 23, T.2 S., R.4 E., Washtenaw County, at Dancer Rd., 1.2 miles southeast of Lima Center, Mich.	59.0	2-11-70 6-23-70 8-17-70	21.8 22.8 8.79
4-1734.00	Mill Creek tributary	do	Lat 42°16'56", long 83°54'24", in NE1/4 sec.25, T.2 S., R.4 E., Washtenaw County, at Jerusalem Rd., 2.8 miles southeast of Lima Center, Mich.	8.46	2-10-70 6-23-70 8-17-70	2.23 2.01 1.19
4-1735.50	Mill Creek	Huron River	NW1/4 sec.6, T.2 S., R.5 E., at Island Lake Rd., at Dexter, Mich.	143	8-18-70	23.6
4-1740.00	Huron River	Lake Erie	SW1/4 sec.32, T.1 S., R.5 E., at Mast Rd., at Dexter, Mich.	686	8-18-70	128
4-1740.30	Huron River tributary	Huron River	Lat 42°19'59", long 83°49'08", in SW1/4 sec.2, T.2 S., R.5 E., at Huron River Drive, at Delhi Mills, Mich.	8.02	8-18-70	0
4-1742.90	Honey Creek	do	SE1/4 sec.21, T.2 S., R.5 E., at Zeeb Rd., 2.2 miles south of Scio, Mich.	8.99	1-19-65 8-18-70	.83 1.01
4-1742.95	do	do	NE1/4 sec.22, T.2 S., R.5 E., at bridge on Lake Rd., 2 miles southeast of Scio, Mich.	16.2	1-19-65	1.44
4-1743.00	do	do	Lat 42°18'34", long 83°48'28", in NE1/4 sec.14, T.2 S., R.5 E., Washtenaw County, at Miller Rd., 1.4 miles west of Foster, Mich.	22.4	2-10-70 6-23-70 8-18-70	4.81 5.08 3.02
4-1745.10	Allen Creek	do	SW1/4 sec.21, T.2 S., R.6 E., at Plymouth Rd., at Ann Arbor, Mich.	6.99	11-17-65 8-17-70	2.85 .68
4-1745.15	Pittsfield Drain	do	On line between secs.3 and 10, T.3 S., R.6 E., near Ann Arbor, Mich.	9.14	9- 1-49 9-26-49 10- 4-49 11- 1-49 12- 5-49 1-25-50 1-31-50	1.64 1.48 1.66 1.85 3.11 28.4 4.22

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Erie--continued						
4-1745.17	Pittsfield Drain	Huron River	NW1/4 sec.2, T.3 S., R.6 E., near Ann Arbor, Mich.	10.6	9- 1-49 9-26-49 10- 4-49 11- 1-49 12- 5-49 1-25-50 1-31-50	1.84 1.84 1.70 2.00 3.28 32.3 5.30
4-1745.18	do	do	SE1/4 sec.35, T.2 S., R.6 E., at Huron River Drive, 3.0 miles east of Ann Arbor, Mich.	11.0	8-17-70	5.22
4-1745.19	Swift Run Drain	do	On line between secs.2 and 11, T.3 S., R.6 E., near Ann Arbor, Mich.		9- 1-49 9-26-49 10- 4-49 11- 1-49 12- 5-49 1-25-50 1-31-50	0 0 0 .01 0 3.49 2.00
4-1745.20	do	do	NE1/4 sec.2, T.3 S., R.6 E., near Ann Arbor, Mich.	3.65	9- 1-49 9-26-49 10- 4-49 11- 1-49 12- 5-49 1-25-50 1-31-50	.20 .36 .19 .26 .67 4.62 2.04
4-1746.80	Fleming Creek	do	Lat 42°19'05", long 83°38'16", in NW1/4 sec. 17, T.2 S., R.7 E., Washtenaw County, at Ford Rd., (M-153), 1.0 miles east of Dixboro, Mich.	15.0	2- 9-70 6-23-70 8-18-70	4.74 7.03 1.20
4-1746.90	Fleming Creek tributary	Fleming Creek	Lat 42°19'02", long 83°38'46", in NE1/4 sec. 18, T.2 S., R.7 E., Washtenaw County, at Ford Rd. (M-153), 0.6 mile northeast of Dixboro, Mich.	8.08	2- 9-70 6-23-70 8-18-70	2.66 3.27 .47
4-1747.10	Fleming Creek	Huron River	SE1/4 sec.25, T.2 S., R.6 E., at Geddes Rd., 0.5 mile north of Geddes, Mich.	30.6	8-17-70	5.17
4-1748.00	Huron River	Lake Erie	NE1/4 sec.9, T.3 S., R.7 E., at Michigan Ave., at Ypsilanti, Mich.	808	3-21-61 4-15-61 4-28-61 8-18-70	550 446 1,650 436
4-1749.50	Willow Run	Huron River	SW1/4 sec.18, T.3 S., R.8 E., Wayne County, 1.1 miles upstream from mouth, at Rawsonville, Mich.	4.11	4- 8-69	25.2
4-1750.20	Griggs Drain	do	NW1/4 sec.36, T.3 S., R.8 E., at Haggerty Hwy., 3.0 miles southeast of Belleville, Mich.	9.95	8-18-70	.17
4-1755.00	Huron River	Lake Erie	SW1/4 sec.31, T.4 S., R.10 E., at Telegraph Rd., at Flat Rock, Mich.	866	11-15-51 4-28-61 8-18-70	1,450 2,990 89.6
4-1755.03	Silver Creek	Huron River	NW1/4 sec.14, T.5 S., R.10 E., on Streicher Rd., 1.5 miles southeast of Rockwood, Mich.	22.9	8-18-70	0
4-1755.155	North Branch Swan Creek	Lake Erie	SW1/4 sec.23, T.5 S., R.9 E., at bridge on U.S. Highways 24, 25, 4 1/2 miles southwest of Flatrock, Mich.		7-12-63	0
4-1755.17	Little Swan Creek	do	do		7-12-63	.2
4-1755.20	Stony Creek	do	SE1/4 sec.21, T.4 S., R.7 E., at Willow Rd., 2.7 miles northwest of Oakville, Mich.	6.32	8-18-70	.90
4-1755.25	Sugar Creek	Stony Creek	NE1/4 sec.23, T.4 S., R.7 E., at Fuller Rd., 1.7 miles northwest of Oakville, Mich.	13.5	2-24-70 6-23-70 8-18-70	7.55 1.59 .15
4-1755.33	Paint Creek	do	NE1/4 sec.33, T.3 S., R.7 E., at Merritt Rd., 2.2 miles north of Lincoln, Mich.	17.5	2- 9-70 6-23-70 8-18-70	7.16 5.84 3.75
4-1755.38	do	do	NE1/4 sec.34, T.4 S., R.7 E., at Liss Rd., 1.0 mile north of Oakville, Mich.	34.9	2-24-70 8-18-70	24.8 2.62
4-1755.53	Polzin Drain		SE1/4 sec.35, T.4 S., R.7 E., at Torrey Rd., 1.0 mile northeast of Oakville, Mich.	7.14	8-17-70	0
4-1755.635	Stony Creek	Lake Erie	SW1/4 sec.9, T.6 S., R.9 E., at bridge on U.S. Highway 24, 5 miles northwest of Monroe, Mich.		7-12-63	1.8
4-1755.70	River Raisin	do	SE1/4 sec.31, T.4 S., R.2 E., at State Highway 50, 2.0 miles south of Brooklyn, Mich.	16.5	5-11-70 8-10-70	11.7 6.78
4-1755.75	do	do	NW1/4 sec.19, T.4 S., R.2 E., below dam at Brooklyn, Mich.	32.3	5-11-70 8-10-70	18.9 12.6

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Erie---continued						
4-1755.80	Goose Creek	Stony Lake outlet	SW1/4 sec.4, T.5 S., R.1 E., at Cement City Highway, at Cement City, Mich.	24.9	5-12-70 8-10-70	14.8 8.88
4-1755.85	do	do	NE1/4 sec.24, T.4 S., R.1 E., at State Highway 50, at Brooklyn, Mich.	39.1	5-11-70 8-10-70	26.7 15.5
4-1755.90	Stony Lake outlet	River Raisin	NW1/4 sec.5, T.4 S., R.2 E., at Wolf Lake Rd., 1.3 miles east of Napoleon, Mich.	12.4	5-11-70 8-10-70	3.71 2.07
4-1755.95	River Raisin tributary	do	NE1/4 sec.3, T.4 S., R.2 E., below Sweezey Lake, at Norvell, Mich.	13.6	5-11-70 8-10-70	.89 2.53
4-1755.97	River Raisin	Lake Erie	SW1/4 sec.31, T.3 S., R.3 E., at Sharon Valley Rd., 2.0 miles southwest of Sharonville, Mich.	121	8-17-70	23.5
4-1756.00	do	do	E1/2 sec.33, T.3 S., R.3 E., at bridge on Sharon Valley Rd., 2 miles northwest of Manchester, Mich.		8-17-55 7-11-63	56.0 4.6
4-1756.10	do	do	SW1/4 sec.1, T.4 S., R.3 E., at Austin Rd., at Manchester, Mich.	148	8-17-70	50.0
4-1756.20	River Raisin tributary	River Raisin	SW1/4 sec.8, T.4 S., R.4 E., at Austin Rd., 2.0 miles east of Manchester, Mich.	5.54	8-17-70	.56
4-1756.30	River Raisin	Lake Erie	SE1/4 sec.29, T.4 S., R.4 E., at Allen Rd., 1.5 miles north of Clinton, Mich.	167	5-12-70 8-10-70 8-17-70	90.6 63.9 39.0
4-1756.40	Iron Creek	River Raisin	NW1/4 sec.28, T.4 S., R.3 E., at Sharon Hollow Rd., 4.0 miles southwest of Manchester, Mich.	10.5	8-17-70	.50
4-1756.50	do	do	Lat 42°05'37", long 83°59'17", in SW1/4 sec. 29, T.4 S., R.4 E., Washtenaw County, at Bartlet Rd., 1.7 miles north of Clinton, Mich.	28.8	2-10-70 5-12-70 6-23-70 8-10-70 8-17-70	12.0 20.1 12.0 9.42 3.17
4-1756.65	Evans Creek	do	NE1/4 sec.22, T.5 S., R.3 E., at Wisner Rd., 1.0 mile northeast of Tipton, Mich.	15.0	5-12-70 8-11-70	2.71 2.03
4-1756.80	do	do	SW1/4 sec.27, T.5 S., R.4 E., at Tecumseh-Clinton Highway, at Tecumseh, Mich.	34.2	5-11-70 8-10-70	5.72 4.50
4-1757.50	South Branch River Raisin	do	NE1/4 sec.14, T.7 S., R.2 E., at Sword Highway, 1.0 mile east of Cadmus, Mich.	23.7	5-11-70 8-10-70	4.28 3.45
4-1758.00	Hazen Creek	South Branch River Raisin	NW1/4 sec.13, T.7 S., R.2 E., at Cadmus Rd., 1.2 miles east of Cadmus, Mich.	24.9	5-11-70 8-10-70	6.29 6.85
4-1758.30	Stony Creek	do	NE1/4 sec.31, T.7 S., R.3 E., at Livesay Rd., at Sand Creek, Mich.	12.9	5-11-70 8-10-70	5.80 2.82
4-1758.50	South Branch River Raisin	River Raisin	NE1/4 sec.10, T.7 S., R.3 E., at State Highway 34, at Adrian, Mich.	86.8	5-11-70 8-10-70	29.1 25.2
4-1758.75	Wolf Creek	South Branch River Raisin	NE1/4 sec.35, T.5 S., R.2 E., at Gilbert Highway, 2.0 miles east of Onsted, Mich.	18.7	5-11-70 8-10-70	37.4 6.24
4-1759.00	Squaw Creek	Wolf Creek	NW1/4 sec.2, T.6 S., R.2 E., at Teachout Rd., 2.0 miles southwest of Onsted, Mich.	11.0	5-11-70 8-11-70	3.38 1.60
4-1759.20	Wolf Creek	South Branch River Raisin	SW1/4 sec.19, T.6 S., R.3 E., at Burton Rd., 3.3 miles southeast of Rome Center, Mich.	41.4	5-11-70 8-11-70	17.7 9.61
4-1759.40	Black Creek	River Raisin	SW1/4 sec.19, T.6 S., R.3 E., at Burton Rd., 3.5 miles southeast of Rome Center, Mich.	16.7	5-11-70 8-11-70	3.93 2.98
4-1759.50	Wolf Creek	South Branch River Raisin	SW1/4 sec.27, T.6 S., R.3 E., at Tipton Rd., 2.0 miles northwest of Adrian, Mich.	69.7	8-17-55 7-11-63 10-17-63 5-11-70 8-11-70	12.1 2.1 3.94 24.8 18.6
4-1759.60	South Branch River Raisin	River Raisin	SE1/4 sec.25, T.6 S., R.3 E., at Howell Highway, 165 2.0 miles northeast of Adrian, Mich.		5-12-70 8-10-70	58.4 52.8
4-1759.80	Beaver Creek	South Branch River Raisin	NE1/4 sec.25, T.6 S., R.3 E., at State Highway 52, 2.5 miles northeast of Adrian, Mich.	14.7	5-11-70 8-10-70	4.14 3.49
4-1759.82	do	South Branch Raisin River	SW1/4 sec.30, T.6 S., R.4 E., near Adrian, Mich.		8-25-48	2.17
4-1759.85	South Branch Raisin River	Raisin River	do		8-25-48	14.5

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Erie--continued						
4-1759.90	Cook Drain	South Branch Raisin River	On line between secs.18 and 19, T.6 S., R.4 E., 3 miles northeast of Adrian, Mich.	19	8- 5-52	1.14
					9-23-52	.86
					10-22-52	.93
					11- 4-52	.91
					12- 9-52	1.12
					1- 7-53	.90
					2-16-53	.93
					3- 6-53	3.70
					4- 8-53	1.33
					5- 6-53	1.50
					6-16-53	.63
					7-14-53	.55
					8-11-53	.31
					9- 8-53	.33
4-1760.18	Bear Creek	Black Creek	NW1/4 sec.9, T.8 S., R.4 E., at bridge on Victorville Rd., 5 miles southwest of Blissfield, Mich.		7-11-63	0
					10-17-63	0
4-1760.20	do	do	SE1/4 sec.4, T.8 S., R.2 E., at Seneca Highway 1.0 mile north of Seneca, Mich.	17.1	5-11-70	6.66
					8-10-70	6.25
4-1760.40	Black Creek	River Raisin	SE1/4 sec.10, T.8 S., R.3 E., at State Highway 52, 0.5 mile south of Jasper, Mich.	42.4	7-11-63	1.3
					5-11-70	15.6
					8-10-70	11.3
4-1760.60	Nile Ditch	Black Creek	SW1/4 sec.14, T.8 S., R.3 E., at Arnold Highway, 1.2 miles south of Jasper, Mich.	25.0	5-11-70	3.00
					8-10-70	.90
4-1760.80	Bear Creek	do	NE1/4 sec.12, T.9 S., R.3 E., at Treat Highway, 4.5 miles southwest of Ogden Center, Mich.	22.3	5-11-70	4.20
					8-10-70	10.5
4-1761.00	do	do	SE1/4 sec.17, T.8 S., R.4 E., at Weston Rd., at Ogden Center, Mich.	35.5	5-11-70	5.34
					8-10-70	1.77
4-1761.10	Big Meadow Drain	do	SW1/4 sec.34, T.7 S., R.4 E., at East Gorman Rd., 2.2 miles east of Ogden Station, Mich.	10.7	5-12-70	3.39
					8-10-70	2.90
4-1761.20	Black Creek	River Raisin	NW1/4 sec.2, T.8 S., R.4 E., at Crockett Highway, 3.0 miles east of Ogden Station, Mich.	141	5-12-70	31.9
					8-10-70	20.5
4-1761.30	Hahn Drain	do	SE1/4 sec.3, T.8 S., R.4 E., at Crockett Highway, 3.0 miles east of Ogden Station, Mich.	10.6	5-11-70	.98
					8-10-70	.02
4-1761.40	River Raisin	Lake Erie	NW1/4 sec.29, T.7 S., R.5 E., at U.S. Highway 223, at Blissfield, Mich.	644	8-11-70	179
4-1761.50	Riga Drain	River Raisin	NE1/4 sec.28, T.7 S., R.5 E., at Carroll Rd., 2.0 miles northeast of Blissfield, Mich.	9.96	5-12-70	.80
					8-10-70	.03
4-1761.60	River Raisin	Lake Erie	NE1/4 sec.12, T.7 S., R.5 E., at bridge in Deerfield, Mich.	686	5-12-70	285
					8-11-70	196
4-1761.70	Swamp Raisin Creek	Little River Raisin	SE1/4 sec.21, T.6 S., R.6 E., at Brewer Rd., 3.0 miles west of Dundee, Mich.	31.6	5-11-70	3.47
					8-10-70	.74
4-1761.80	Little River Raisin	River Raisin	SW1/4 sec.22, T.6 S., R.6 E., at Brewer Rd., 2.0 miles west of Dundee, Mich.	41.9	8-11-70	1.22
4-1762.00	River Raisin	Lake Erie	SE1/4 sec.13, T.6 S., R.6 E., at State Highway 50, at Dundee, Mich.	761	5-11-70	316
					8-11-70	210
4-1762.20	Middle Branch Macon River	South Branch Macon River	NE1/4 sec.28, T.5 S., R.5 E., at Britton Highway, 2.3 miles north of Britton, Mich.	19.8	5-11-70	2.94
					8-10-70	1.11
4-1762.30	do	do	NW1/4 sec.11, T.6 S., R.6 E., at Wilcox Rd., 2.0 miles northwest of Dundee, Mich.	43.8	5-11-70	4.54
					8-10-70	1.29
4-1762.40	South Branch Macon River	Macon River	NW1/4 sec.15, T.6 S., R.5 E., at Britton Highway, 1.7 miles south of Britton, Mich.	10.5	5-11-70	1.94
					8-10-70	1.11
4-1762.60	do	do	NW1/4 sec.11, T.6 S., R.6 E., at Wilcox Rd., 2.0 miles northwest of Dundee, Mich.	45.5	5-11-70	4.95
					8-10-70	2.43
4-1762.95	North Branch Macon River	do	Lat 42°04'58", long 83°46'46", in NE1/4 sec.1, T.5 S., R.5 E., Lenawee County, at bridge on Hack Road, 2.6 miles southwest of York, Mich.	8.33	1-14-70	.49
4-1763.00	North Macon Creek	do	Lat 42°04'58", long 83°45'06", in NW1/4 sec.5, T.5 S., R.6 E., Monroe County, at Hack Rd., 1.7 miles southwest of Mooreville, Mich.	14.5	2-10-70	1.56
					5-11-70	1.32
					6-23-70	2.14
					8-10-70	0
					8-17-70	.05
4-1763.10	do	do	NW1/4 sec.25, T.5 S., R.6 E., at Ostrander Rd., at Azalia, Mich.	23.0	5-11-70	2.26
					8-10-70	.29

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Erie--continued						
4-1763.20	North Macon Creek	Macon River	SE1/4 sec.36, T.5 S., R.6 E., at Day Rd., 2.0 miles north of Dundee, Mich.	45.1	8-10-70	.004
4-1763.30	Macon River	River Raisin	NW1/4 sec.8, T.6 S., R.7 E., at Stowell Rd., 2.0 miles northeast of Dundee, Mich.	144	5-11-70 8-11-70	13.3 3.22
4-1763.45	Saline River	do	SE1/4 sec.14, T.4 S., R.4 E., at McCollum Rd., 2.7 miles east of Raisin Basin.	11.4	8-18-70	.89
4-1763.50	do	do	Lat 42°08'19", long 83°52'07", in NW1/4 sec.17, T.4 S., R.5 E., Washtenaw County, at Feldkamp Rd., 0.7 mile northwest of Benton, Mich.	28.8	2-10-70 5-11-70 6-23-70 8-10-70 8-18-70	6.21 7.48 5.74 2.79 3.32
4-1763.55	Saline River tributary	Saline River	NW1/4 sec.4, T.4 S., R.5 E., at Austin Rd., 3.5 miles west of Saline, Mich.	7.30	8-17-70	.59
4-1763.65	Saline River	River Raisin	SW1/4 sec.34, T.3 S., R.5 E., at Dell Rd., 2.0 miles west of Saline, Mich.	44.3	11- 5-64	1.81
4-1763.70	Saline River tributary	Saline River	Lat 42°10'34", long 83°49'17", in SE1/4 sec.34, T.3 S., R.5 E., Washtenaw County, at Saline Waterworks Rd., 2.2 miles northwest of Saline, Mich.	13.2	8-12-44 9- 9-44 11- 5-64 1-14-70 5-11-70 6-23-70 8-10-70 8-18-70	.42 .58 .32 1.40 2.54 1.83 .90 .76
4-1763.75	Saline River	River Raisin	SW1/4 sec.35, T.3 S., R.5 E., 1.5 miles west of Saline, Mich.		8-12-44 9- 9-44 9- 9-60	1.66 1.86 4.87
4-1763.80	Saline River tributary No. 2	Saline River	Lat 42°10'37", long 83°47'17", in NW1/4 sec.36, T.3 S., R.5 E., Washtenaw County, at Saline Waterworks Rd., 0.8 mile north of Saline, Mich.	13.7	8-12-44 9- 9-44 11- 5-64 1-15-70 5-11-70 6-23-70 8-10-70 8-18-70	1.72 1.99 .68 2.44 4.59 4.10 2.68 2.45
4-1763.90	Saline River	River Raisin	Lat 42°09'35", long 83°47'01", in SE1/4 sec.1, T.4 S., R.5 E., Washtenaw County, at Monroe St., in Saline, Mich.	77.6	4-20-65 10-15-65 3-28-66 5-26-66 7-14-66 11-23-66 8-14-67 10-20-67 12-19-67 3-21-68 5-10-68 9- 4-68 3-17-69 7-18-69 9-26-69 1-29-70 5-11-70 5-22-70 6-23-70 8-10-70 8-17-70	72.0 6.15 50.9 24.6 17.1 6.62 7.79 18.8 94.3 101 23.1 17.6 20.0 81.6 10.7 36.7 20.2 34.8 19.6 9.32 9.33
4-1763.95	Koch-Warner Drain	Saline River	SW1/4 sec.5, T.4 S., R.6 E., at Willis Rd., 1.0 mile east of Saline, Mich.	4.85	11- 5-64	2.02
4-1763.98	Pittsfield Drain	Koch-Warner Drain	SE1/4 sec.6, T.4 S., R.6 E., at Willis Rd., 0.9 mile east of Saline, Mich.	5.12	11- 5-64	.75
4-1763.99	Koch-Warner Drain	Saline River	SW1/4 sec.6, T.4 S., R.6 E., at Saline-Milan Rd., at Saline, Mich.	12.1	8-17-70	2.51
4-1764.05	Saline River tributary	do	SW1/4 sec.17, T.4 S., R.6 E., at Saline-Milan Rd., 3.0 miles southeast of Saline, Mich.	5.44	11- 5-64 8-17-70	.80 .71

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Erie--continued						
4-1764.20	Saline River	River Raisin	Lat 42°04'38", long 83°40'37", in SW1/4 sec.1, T.5 S., R.6 E., Washtenaw County, at U.S. Highway 23, at southeast edge of Milan, Mich.	113	10-15-65 3-28-66 5-26-66 7-14-66 11-23-66 8-23-67 10-20-67 12-15-67 3-21-68 5-10-68 9- 4-68 3-17-69 7-18-69 9-26-69 1-29-70 5-11-70 5-22-70 6-23-70 8-10-70 8-17-70	12.4 85.3 39.3 39.4 14.1 15.3 3.34 136 139 156 33.2 34.4 94.6 19.3 26.0 36.5 52.0 37.2 16.7 15.7
4-1764.25	do	do	SE1/4 sec.20, T.5 S., R.7 E., at Snell Rd., 4.5 miles southeast of Milan, Mich.	118	11- 4-64 4-20-65	10.6 142
4-1764.30	do	do	NE1/4 sec.5, T.6 S., R.7 E., at Day Rd., 3.3 miles northeast of Dundee, Mich.	127	7-12-63 5-11-70 8-11-70	10.1 37.5 18.9
4-1765.15	Willow Run	do	Land Grant 467, T.6 S., R.8 E., at N. Custer Rd., 3.5 miles west of Monroe, Mich.	10.1	5-12-70 8-10-70	1.27 .01
4-1770.60	East Branch St. Joseph River	St. Joseph River	NE1/4 sec.9, T.7 S., R.2 W., at downstream end of bridge on Bird Lake Rd., at Osseo, Mich.	4.6	10- 8-62	1.73
4-1770.65	do	do	NE1/4 sec.23, T.7 S., R.2 W., 75 ft upstream from bridge on Gilbert Rd., 1.5 miles southwest of Pittsford, Mich.	19.4	10- 8-62	5.35
4-1770.70	East Branch St. Joseph River tributary	East Branch St. Joseph River	SW1/4 sec.18, T.7 S., R.1 W., at Miner Rd., at Pittsford, Mich.		7-10-67	.18
4-1770.75	East Branch St. Joseph River	St. Joseph River	On line between sec.9, and 16, T.8 S., R.1 W., at bridge on Prattville Rd., 1.5 miles west of Prattville, Mich.	36.0	10- 2-62 10- 8-62 7-11-63	7.24 7.99 4.24
4-1770.80	do	do	On line between sec.1, and 12, T.9 S., R.2 W., at bridge on Territorial Rd., 3.8 miles southwest of Waldron, Mich.	70.8	10- 2-62	7.31
4-1770.85	Laird Creek	East Branch St. Joseph River	On line between sec.2, and 11, T.9 S., R.2 W., at downstream side of bridge on Territorial Rd., 3.6 miles northeast of Pioneer, Ohio	16.3	10- 2-62	.06
4-1770.88	Silver Creek	do	SE1/4 sec.35, T.7 S., R.3 W., 10 ft upstream from culvert on Squawfield Rd., 2.2 miles northwest of Frontier, Mich.	9.7	10- 2-62	.13
4-1770.92	do	do	SW1/4 sec.5, T.9 S., R.2 W., at Territorial Rd., 7.8 miles southwest of Waldron, Mich.		7-10-67	.12
4-1770.94	Clear Fork	do	SW1/4 sec.2, T.9 S., R.3 W., at Hillsdale Rd., 7.0 miles southeast of Camden, Mich.		7-10-67	.69
4-1770.96	Clear Creek	do	NW1/4 sec.21, T.9 S., R.2 W., 100 ft downstream from bridge on Lynn St., at Pioneer, Ohio	24.1	10- 2-62	1.04
4-1772.20	Clear Lake outlet	West Fork West Branch St. Joseph River	SE1/4 sec.8, T.8 S., R.4 W., 50 ft downstream from culvert on Long Lake Rd., at Montgomery, Mich.	15.1	10- 2-62	.60
4-1772.25	West Fork West Branch St. Joseph River	West Branch St. Joseph River	NE1/4 sec.16, T.8 S., R.4 W., 500 ft downstream from bridge on Montgomery Rd., 1.7 miles east of Montgomery, Mich.	32.2	10- 2-62 7-11-63	2.85 1.92
4-1772.40	do	do	SE1/4 sec.6, T.9 S., R.3 W., 100 ft upstream from bridge on Territorial Rd., 2.0 miles south of Austin, Mich.	47.0	10- 2-62 7-10-67	4.20 6.68
4-1772.50	East Fork West Branch St. Joseph River	do	NE1/4 sec.10, T.8 S., R.3 W., 150 ft downstream from bridge on Dimmers Rd., 1.2 miles northeast of Woodbridge, Mich.	30.4	10- 2-62 7-11-63	3.59 2.98
4-1772.60	do	do	NW1/4 sec.8, T.9 S., R.3 W., 15 ft downstream from bridge on Territorial Rd., 2.0 miles south of Austin, Mich.	50.2	10- 2-62 7-10-67	4.39 10.5

Station number	Stream	Tributary to	Location	Drainage area (sq mi)	Measurements	
					Date	Discharge (cfs)
Streams tributary to Lake Erie--continued						
4-1773.10	Mill Stream Drain	St. Joseph River	NE1/4 sec.10, T.9 S., R.4 W., 150 ft downstream from bridge on Territorial Rd., 3.1 miles south of Camden, Mich.	11.2	10- 2-62 7-10-67	.15 .76
4-1773.50	St. Joseph River		Sec.7, T.10 S., R.2 W., 150 ft downstream from bridge, 1.1 miles upstream from Nettie Creek, 2.5 miles north of Montpelier, Ohio	287	10- 2-62	19.5
4-1842.90	Devils Lake outlet	Bean Creek	NE1/4 sec.4, T.6 S., R.1 E., near Manitou Beach, Mich.		11-17-47 1-20-48 5-20-48 9-16-48 12-14-48 3-16-49 6-21-49 9-16-49 1-25-50 4-19-50 8-21-50	1.87 5.19 21.1 0 0 9.69 6.92 0 18.7 45.4 0
4-1843.00	Bean Creek	Maumee River	S1/2 sec.6, T.6 S., R.1 E., at U.S. Highway 127, at Addison, Mich.	44.9	10- 2-62 7-10-67	.83 2.05
4-1843.10	Posey Lake outlet	Bean Creek	NW1/4 sec.4, T.7 S., R.1 E., 3 miles northeast of Hudson, Mich.		3- 1-55	10.7
4-1843.15	Bean Creek	Maumee River	SW1/4 sec.6, T.7 S., R.1 E., at bridge on Beecher Rd., 2 miles north of Hudson, Mich.		7-23-63	1.90
4-1843.20	do	do	SW1/4 sec.18, T.7 S., R.1 E., 100 ft upstream from bridge on Michigan State Highway 34 at Hudson, Mich.	96.2	7-24-51 10- -62	590 2.51
4-1843.30	Garrison Drain	Bean Creek	NE1/4 sec.19, T.7 S., R.1 E., at State St., in Hudson, Mich.		7-10-67	.16
4-1843.40	Bean Creek	Maumee River	S1/2 sec.19, T.7 S., R.1 E., at Nelson Rd., 1.0 mile south of Hudson, Mich.		7-10-67	5.72
4-1843.50	do	Tiffin River	NW1/4NW1/4 sec.31, T.7 S., R.1 E., near Hudson, Mich.		7-24-51	4,800
4-1843.60	do	do	NW1/4 sec.31, T.8 S., R.2 E., 150 ft downstream from bridge on Mulberry Rd., (Morenci Rd.) at Morenci, Mich.	143	10- -62	11.1
4-1843.70	Lime Creek	Bean Creek	SE1/4 sec.25, T.8 S., R.1 E., 100 ft upstream from bridge on Mulberry Rd. (Morenci Rd.) at Morenci, Mich.	41.7	10- 8-62	1.75
4-1843.80	Silver Creek	do	SW1/4 sec.5, T.9 S., R.2 E., at State Highway 156 at Morenci, Mich.	13.7	10- 3-62 7-10-67	2.03 3.80
4-1843.90	Mill Creek	Tiffin River	NW1/4 sec.11, T.9 S., R.1 W., at Territorial Rd., 2 miles southeast of Waldin, Mich.		7-10-67	.08

INDEX OF MEASUREMENTS BY COUNTY

ALCONA COUNTY

STREAM	STATION NUMBERS
Pine River	1376.80

ALGER COUNTY

STREAM	STATION NUMBERS
Anna River	0447.40
AuTrain River	0447.30
Blue Lake outlet	0567.00
Hurricane River	0447.60
Indian River	0566.50, 0566.70, 0566.90, 0567.17
Laughing Whitefish River	0446.20
Rock River	0446.30
Slapneck Creek	0447.15
Sturgeon River	0573.00

ALLEGAN COUNTY

STREAM	STATION NUMBERS
Gun River	1072.10, 1072.15
Kalamazoo River	1086.60
Rabbit River	1085.95, 1086.50
Little Rabbit River	1086.20
Swan Creek	1084.00

ALPENA COUNTY

STREAM	STATION NUMBERS
Lower South Branch Thunder Bay River	1347.10, 1348.01
Upper South Branch Thunder Bay River	1330.00
Wolf Creek	1347.00

ANTRIM COUNTY

STREAM	STATION NUMBERS
Five Tile Creek	1277.55
Jordan River	1277.40, 1277.70, 1277.80, 1277.90, 1278.00
Six Tile Creek	1277.50
Two Tile Creek	1277.60

ARENAC COUNTY

STREAM	STATION NUMBERS
Pine River	1431.50
North Branch Pine River	1431.00

BARAGA COUNTY

STREAM	STATION NUMBERS
Clear Creek	0416.00
Hazel Creek	0430.70
Huron River	0432.00
Kelsey Creek	0430.60
Lateral Creek	0404.20
Mustard Creek	0416.10
Pelkie Creek	0404.55
Perch River	0410.00
Plumbago Creek	0404.65
Rock River	0404.70, 0404.72
Silver Creek	0431.50
Sixmile Creek	0430.80
Spurr River	0622.20
Sturgeon River	0404.60, 0423.50
Tioga River	0404.50

BARRY COUNTY

STREAM	STATION NUMBERS
Bassett Creek	1177.20, 1177.50
Cedar Creek	1174.00, 1174.50
Coldwater River	1178.20, 1179.00
Duncan Creek	1177.80
Fall Creek	1175.50, 1175.70, 1175.75, 1175.76
Glass Creek	1177.00
Gun Lake outlet	1072.00
High Bank Creek	1173.00
Mud Creek	1171.00, 1172.00
Quaker Brook	1170.00
Thornapple River	1175.00, 1176.00
Little Thornapple River	1178.00
Wall Lake outlet	1175.40

BAY COUNTY

STREAM	STATION NUMBERS
Pinconning River	1432.00
Saginaw River	1570.40

BENZIE COUNTY

STREAM	STATION NUMBERS
Betsie River	1265.50, 1265.60, 1265.63, 1265.66, 1265.74, 1265.73, 1265.86, 1265.90, 1266.10, 1266.35
Betsie River tributary	1265.95
Little Betsie River	1265.76, 1265.80, 1265.83
Brundage Creek	1266.90
Carter Creek	1267.10, 1267.15, 1267.20
Cedar-Hedge Lake outlet	1265.35
Collision Creek	1267.30
Crystal Lake outlet	1266.40

BENZIE COUNTY--Continued

STREAM	STATION NUMBERS
Deer Creek	1266.15, 1266.20, 1266.30
Deer Creek tributary	1266.25
Ellis Lake outlet	1265.30
Kinney Creek	1266.70
Platte River	1266.55, 1266.60, 1266.65, 1267.00, 1267.05, 1267.25, 1267.35, 1267.45, 1267.55, 1267.60
Platte River tributary	1266.50
North Branch Platte River	1267.50, 1267.52
Stanley Creek	1266.80

BERRIEN COUNTY

STREAM	STATION NUMBERS
Farmers Creek	1020.25
Galien River	0955.00, 0960.10, 0960.15
Hickory Creek	1020.70
Kirktown Creek	0960.13
Lake Michigan tributary	0961.35, 0961.50, 0961.90
Love Creek	1020.10, 1020.14, 1020.16
Love Creek tributary	1020.12
Mill Creek	1024.50, 1024.60
Ox Creek	1025.30
Painterville Drain	0961.60, 0961.70, 0961.80
Paw Paw River	1024.80, 1025.20
Pipestone Creek	1020.40
Ryno Drain	1024.75
St. Joseph River	1020.00

BRANCH COUNTY

STREAM	STATION NUMBERS
Bagley Drain	0965.28
Burnett Creek	0964.10
Coldwater River	0964.40, 0964.45, 0964.50, 0964.60
Coldwater River tributary	0966.20, 0966.30
East Branch Coldwater River	0964.80
Drain No. 30	0967.55
Fisher Creek	0964.15, 0964.20
Hog Creek	0965.15, 0965.16, 0965.20, 0965.25, 0965.30, 0965.40, 0965.70, 0965.80, 0965.85, 0965.90
Hog Creek tributary	0965.165
North Branch Hog Creek	0965.50
Lake Pleasant outlet	0975.22
Mud Creek	0965.10
Mud Lake outlet	0964.55
Prairie River	0975.10, 0975.25, 0975.26, 0975.28, 0975.29, 0975.30
Prairie River tributary	0975.27
Rose Lake outlet	0964.52
St. Joseph River	0966.35
St. Joseph River tributary	0966.40, 0967.10
Sauk River	0964.95 0964.97, 0965.00
Spencer Creek	0966.60, 0966.80, 0967.00
Swan Creek	0967.20, 0967.45, 0967.50, 0967.57, 0967.60, 0967.63
Swan Creek tributary	0967.40
Little Swan Creek	0967.70, 0967.80, 0967.90
Tallahassee Drain	0964.24, 0964.27, 0964.30

CALHOUN COUNTY

STREAM	STATION NUMBERS
Kalamazoo River tributary	1055.60, 1055.70
Minges Creek	1035.50
Nottawa Creek	0968.30, 0968.60
Rice Creek	1034.90
St. Joseph River	0963.40
Wanondaga Creek	1049.50
Wilders Lake outlet	0963.98

CASS COUNTY

STREAM	STATION NUMBERS
Cristiann Creek	0996.00, 0996.10
Dowagiac Creek	1016.90, 1017.50
Fish Lake Chain outlet	1016.10
Graver Lake inlet	0996.30
Graver Lake outlet	0996.40
Pleasant Lake outlet	0996.20, 0996.25
Pokagon Creek	1017.95
Sharehead Lake outlet	0994.00

CHARLEVOIX COUNTY

STREAM	STATION NUMBERS
Deer Creek	1278.20

CHEBOYGAN COUNTY

STREAM	STATION NUMBERS
Black River	1302.10, 1302.20, 1304.50
Little Black River	1280.70
Cornwell Creek	1290.30
Mill Creek	1280.60
Pigeon River	1289.95, 1290.00, 1294.50, 1295.10
Little Pigeon River	1290.05
Sturgeon River	1282.90, 1284.05, 1284.50, 1284.55
West Branch Sturgeon River	1283.75, 1283.80, 1283.85, 1283.95

CHIPPEWA COUNTY

STREAM	STATION NUMBERS
Betsy River	0448.20, 0448.25
Caribou Creek	1279.00
Pendills Creek	0455.20
Pine River	1279.14
North Branch Pine River	1279.12
Trout Creek	1279.10
West Branch Waiska River	0455.28

CLARE COUNTY

STREAM	STATION NUMBERS
Beaver Creek	1523.20
Carrow Creek	1522.25
Clear Creek	1522.62
Elm Creek	1520.90, 1521.50
Five Lake Creek	1521.75
Jose Creek	1522.98, 1523.00
Loon Lake Creek	1521.00, 1521.07, 1521.45
Loon Lake Creek tributary	1521.03
McCuran Creek	1521.93, 1522.00
Mostellar Creek	1523.05, 1523.15
Mostellar Creek tributary	1523.10
Muskegon River	1213.50
Overton Creek	1521.60
Runyon Creek	1521.28, 1521.30
Sanford Creek	1521.97
Middle Branch Tobacco River	1522.50, 1522.55, 1522.58, 1522.65, 1522.75, 1522.80
Middle Branch Tobacco River tributary	1522.70
North Branch Tobacco River	1523.30, 1523.32, 1523.37, 1523.40, 1523.45, 1523.50, 1523.53
North Branch Tobacco River tributary	1523.34
South Branch Tobacco River	1521.40, 1521.70, 1521.80, 1521.82, 1521.90, 1522.05, 1522.15, 1522.20
South Branch Tobacco River tributary	1521.85, 1522.10
South Branch of South Branch Tobacco River	1521.55, 1521.65
South Branch Townline Creek	1211.50

CLINTON COUNTY

STREAM	STATION NUMBERS
Baker Creek	1149.95, 1145.97
Hayworth Creek	1150.96, 1151.00
Lookingglass River	1144.00
Maple River	1145.80, 1146.00
Little Maple River	1145.88, 1145.89, 1145.90, 1145.92
Muskrat Creek	1157.60
Stony Creek	1157.00

CRAWFORD COUNTY

STREAM	STATION NUMBERS
AuSable River	1354.52, 1356.24, 1357.18
East Branch AuSable River	1355.10, 1355.15, 1355.20, 1355.40, 1355.45, 1355.50, 1355.60, 1355.65, 1355.70, 1355.90, 1355.95, 1356.00
East Branch AuSable River tributary	1355.30, 1355.80
North Branch AuSable River	1358.00, 1359.10
South Branch AuSable River	1357.00, 1357.05
Big Creek	1359.00
Middle Branch Big Creek	1358.50, 1358.55
Goose Creek	1234.93
Manistee River	1234.70, 1234.75, 1234.80, 1234.87, 1234.96, 1235.00
Manistee River tributary	1234.82, 1234.85
Portage Creek	1235.40
Shellenbarger Lake outlet	1356.10

DELTA COUNTY

STREAM	STATION NUMBERS
Bark River	0595.95
Days River	0576.60, 0576.63
Days River tributary	0576.62
Escanaba River	0590.30
Ford River	0591.40, 0591.50, 0595.00
Portage Creek	0590.40, 0590.42
Rapid River	0576.48, 0576.50
Squaw Creek	0589.48, 0589.50
Sturgeon River	0574.90, 0575.00, 0575.10, 0575.20
Tacoosh River	0576.55
Ten Mile Creek	0594.02
Twenty four Mile Creek	0591.60
Willow Creek	0590.35
Whitefish River	0575.05
West Branch Whitefish River	0575.30

DICKINSON COUNTY

STREAM	STATION NUMBERS
Ford River	0591.00
North Branch Ford River	0591.10
Hamilton Creek	0657.00
Pine Creek tributary	0655.66
Sturgeon River	0656.50
East Branch Sturgeon River	0653.90, 0653.95, 0654.00, 0654.05
West Branch Sturgeon River	0653.00, 0653.02, 06353.10
White Creek	0652.00

EATON COUNTY

STREAM	STATION NUMBERS
Battle Creek	1040.00
Butternut Creek	1166.50
Carrier Creek	1131.00
Hayon Creek	1168.20
Hobart Drain	1109.10
Indian Creek	1042.98, 1043.00
Lacy Creek	1168.10
Narrow Lake outlet	1038.00
Sandstone Creek	1132.50
Scipio Creek	1169.00
Shanty Brook	1168.22, 1168.30
Spring Brook	1109.00
Thompson Creek	1167.90
Thornapple Drain	1166.40
Thornapple River	1167.00, 1168.00
Little Thornapple River	1167.30

EMMET COUNTY

STREAM	STATION NUMBERS
Carp River	1278.80
Maple River	1281.35
East Branch Maple River	1281.05

GENESEE COUNTY

STREAM	STATION NUMBERS
Armstrong Creek	1486.50
Black Creek	1481.38
Brent Run	1487.20, 1487.44, 1487.45
South Branch Brent Run	1487.40
Butternut Creek	1479.85, 1479.95
Carman Creek	1483.05
Flint River	1486.00, 1487.00
Gilkey Creek	1481.60, 1481.75
Kearsley Creek	1481.30, 1481.42
Lobdell Lake outlet	1439.40
Pine Run	1487.98
Shiawassee River	1438.60, 1439.10, 1439.55
Swartz Creek	1482.58, 1482.59, 1482.60, 1483.00, 1484.65
West Branch Swartz Creek	1482.70
Thread Creek	1484.20, 1484.30, 1484.38, 1484.50, 1484.60

GLADWIN COUNTY

STREAM	STATION NUMBERS
Cedar River	1524.20, 1524.50
Lyle Drain	1522.40
Molasses River	1520.70
Little Molasses River	1520.75
Rillett Drain	1522.35
Sugar River	1520.50, 1520.55, 1520.57
East Branch Tittabawassee River	1520.30
Middle Branch Tittabawassee River	1520.20
West Branch Tittabawassee River	1520.45
Middle Branch Tobacco River	1522.85, 1522.90
North Branch Tobacco River	1523.60, 1523.65, 1523.70
South Branch Tobacco River	1522.30, 1522.38

GOCEBIC COUNTY

STREAM	STATION NUMBER
Black River	0305.00, 0310.30
Cherry Creek	0320.10
Cisco Branch Ontonagon River	0380.00
Jackson Creek	0309.55
Kallander Creek	0309.67
Kallander Creek tributary	0309.65
Montreal River	0279.40, 0280.00, 0281.00, 0283.00
Middle Branch Ontonagon River	0328.00, 0328.30, 0329.00
Powder Mill Creek	0309.80, 0309.98
Presque Isle River	0321.10, 0321.50
Little Presque Isle River	0319.50
Siemens Creek	0282.00
Spring Creek	0281.10
Welsh Creek	0280.90, 0280.92

GRAND TRAVERSE COUNTY

STREAM	STATION NUMBERS
Battle Creek	1276.00
Boardman River	1269.65, 1269.70, 1270.15, 1275.00
North Branch Boardman River	1269.60
South Branch Boardman River	1269.50, 1269.55
Fife Lake outlet	1237.00
Mitchell Creek	1275.20
Parker Creek	1270.05
Swainstons Creek	1270.10
Tobeco Creek	1275.50

GRATIOT COUNTY

STREAM	STATION NUMBERS
Bear Creek	1147.00
Brady Creek	1453.00
Coles Creek	1549.10
Pine Creek	1149.00, 1549.00, 1549.10

HILLSDALE COUNTY

STREAM	STATION NUMBERS
Clear Creek	1770.96
Clear Fork	1770.94
Clear Lake outlet	1772.20
Grand River	1088.90
Hog Creek tributary	0965.162, 0965.17
South Branch Kalamazoo River	1027.90
Laird Creek	1770.85
Lime Creek	1843.70
Mill Creek	1843.90
Mill Stream Drain	1773.10
St. Joseph River	0962.26, 0962.73
East Branch St. Joseph River	1770.40, 1770.65, 1770.70, 1770.75, 1770.80
East Fork St. Joseph River	1772.50, 1772.60
West Fork St. Joseph River	1772.25, 1772.40
Sand Creek	0963.00
Silver Creek	1770.88, 1770.92

HOUGHTON COUNTY

STREAM	STATION NUMBERS
Hammell Creek	0430.52
Little Otter River	0424.01
North Branch Otter River	0424.50
West Branch Otter River	0424.60
Pilgrim River	0430.15
Salmon Trout River	0402.00
Sidnaw Creek	0411.00
Silver Mountain Creek	0412.00
Silver River	0421.00
Sleepy Creek	0401.54, 0401.56
East Branch Sleepy Creek	0401.50

HOUGHTON COUNTY--Continued

STREAM	STATION NUMBERS
North Branch Sleepy Creek	0401.52
Snake River	0430.55
Sturgeon River	0414.90, 0430.05
West Branch Sturgeon River	0422.00
Trap Rock River	0430.50

HURON COUNTY

STREAM	STATION NUMBERS
New River	1590.70
Pinnebog River	1590.50
North Branch Schram Drain	1590.55
South Branch Schram Drain	1590.60
Willow River	1590.80

INGHAM COUNTY

STREAM	STATION NUMBERS
Coon Creek	1116.30
Doan Creek	1114.10
Grand River	1110.55
Huntoon Creek	1106.50
Kalamink Creek	1113.00
Lake Lansing outlet	1124.15
Mud Creek	1128.00
Red Cedar River	1113.79
Red Cedar River tributary	1116.10, 1116.11
Squaw Creek	1114.00
Sycamore Creek	1126.92, 1127.00, 1129.00, 1129.01, 1129.02
Wolf Creek	1113.50

IONIA COUNTY

STREAM	STATION NUMBERS
Croel Lake outlet	1159.05
Duck Creek	1179.10
Frayar Creek	1139.75
Libhart Creek	1158.30, 1158.35
Little Libhart Creek	1158.50
Morrison Lake outlet	1160.50
Prairie Creek	1159.00
Sessions Creek	1160.40
Stony Creek	1158.00, 1158.05

IOSCO COUNTY

STREAM	STATION NUMBERS
East Branch Au Gres River	1379.70, 1379.90, 1379.95
Guilay Creek	1379.80

IRON COUNTY

STREAM	STATION NUMBERS
Alpha Creek	0605.90, 0605.92, 0605.95, 0605.96, 0605.97
Briar Hill Creek	0614.70
Brule River	0599.06
Chicagon Creek	0614.00
Deer River	0624.80
Fence River	0624.70
Hemlock River	0613.00
Holmes Creek	0610.00
Iron River	0599.60, 0599.63, 0599.64, 0599.66, 0599.67, 0600.00, 0600.10, 0600.20, 0600.30, 0604.00, 0605.00, 0605.10, 0605.20
Iron River tributary	0604.90
Mastodon Creek	0606.00
Menomine River	0630.00
East Branch Net River	0612.50
North Branch Net River	0612.00
Paint River	0611.00, 0614.50, 0619.00, 0620.03, 0620.05
Stanley Creek	0599.80, 0599.82
Sunset Creek	0599.75

ISABELLA COUNTY

STREAM	STATION NUMBERS
Chippewa River	1537.50, 1538.00, 1539.85
North Branch Chippewa River	1538.50, 1539.00
Mission Creek	1539.90
Salt River	1541.00, 1541.10
South Branch Salt River	1534.00

JACKSON COUNTY

STREAM	STATION NUMBERS
Battesse Creek	1106.00
Goose Creek	1755.85
Grand River	1089.00, 1089.45, 1089.50, 1089.51, 1089.55, 1106.60, 1106.75, 1106.76, 1107.10
Grand River tributary	1091.00, 1106.40
Huntoon Creek	1106.55
Mud Lake Drain	1106.30
Orchard Creek	1100.00
Perry Creek	1106.70
Portage Lake inlet	1093.00
Portage River	1094.80, 1105.00, 1106.05, 1106.10
Trist Branch Portage River	1094.90
River Raisin	1755.70, 1755.75
River Raisin tributary	1755.95
Sandstone Creek	1106.89, 1106.90, 1106.96, 1106.98, 1107.00
Sandstone Creek tributary	1106.95
Spring Brook	1108.88
Stony Lake outlet	1755.90
Trumbull Lake Drain	1106.25
Western Creek	1106.35
Willow Creek	1089.40

KALAMAZOO COUNTY

STREAM	STATION NUMBERS
Allen Creek	1060.20, 1060.50
Augusta Creek	1056.80, 1057.00
Austin Lake outlet	0972.06, 0972.07
Axtell Creek	1065.03, 1065.05
Bear Creek	0969.40, 0969.50
Brown Creek	0972.60, 0973.30
Brown Creek tributary	0972.80
Comstock Creek	1059.85, 1059.90
Dorrance Creek	0971.30
Flowerfield Creek	0973.50, 0973.52, 0973.55
Flowerfield Creek tributary	0973.60, 0973.65
Gourdneck Creek	0972.00, 0972.05
Gull Creek	1057.70, 1057.80, 1057.90, 1058.00, 1058.02
Hamilton Lake outlet	1056.85
Howard Lake inlet	0972.15
Kalamazoo River	1067.70
Kalamazoo River tributary	1056.60, 1056.65, 1056.70, 1067.75, 1067.80
Limekiln Lake outlet	1065.50
Pine Creek tributary	1077.70
Portage Creek (tributary to Kalamazoo River)	1061.35, 1061.60, 1061.80, 1061.90, 1062.50, 1062.75, 1063.00, 1065.00, 1065.02
Portage Creek tributary	1061.40, 1061.70
West Fork Portage Creek	1063.20, 1063.30, 1063.40, 1063.50, 1064.20
Portage Creek (tributary to Portage River)	0972.10, 0972.20, 0972.40
Portage River	0970.70, 0970.75, 0970.80, 0971.20, 0971.60, 0971.70, 0971.75
Portage River tributary	0971.15
Little Portage Creek	0970.40, 0970.45, 0970.60
Little Portage Creek tributary	0970.50
Rupert Lake outlet	1077.50
Sand Creek	1077.10
Sevenmile Creek	1056.50
Silver Creek	1068.50
Spring Brook	1067.20, 1067.30, 1067.50

KALKASKA COUNTY

STREAM	STATION NUMBERS
Black Creek	1235.60, 1235.63, 1235.66
Big Cannon Creek	1235.90, 1235.95, 1236.00, 1236.05
Big Devil Creek	1235.75
Little Devil Creek	1235.80
Goose Creek	1234.89, 1234.91
Manistee River	1235.05, 1235.10, 1235.55, 1235.68, 1235.72, 1236.50
North Branch Manistee River	1236.10, 1236.19, 1236.20, 1236.25, 1236.30, 1236.35, 1236.40
North Branch Manistee River tributary	1236.15
Morrison Creek	1236.28
Pierson Creek	1236.45
Portage Creek	1235.50
Rapid River	1275.80
Little Rapid River	1275.70

KENT COUNTY

STREAM	STATION NUMBERS
Barclay Creek	1184.87
Black Creek	1162.50
Buck Creek	1191.45, 1191.55, 1191.60
Buck Creek tributary	1191.40
Cedar Creek	1184.30
Coldwater River	1179.50
Duck Creek	1179.20
Grand River	1190.70
Indian Creek	1189.85, 1189.86, 1189.90
Mill Creek	1185.50
Plaster Creek	1190.50, 1190.60, 1190.65
Rogue River	1183.50, 1183.55, 1183.60, 1184.00, 1184.02, 1184.10, 1184.15, 1184.65, 1184.90, 1185.09, 1185.10
Rogue River tributary	1184.04
Rum Creek	1184.83
Tyler Creek	1179.30

KEWEENAW COUNTY

STREAM	STATION NUMBERS
Lake Fanny Hooe outlet	0403.00
Feldtmann Lake outlet	0008.00
Grace Creek	0009.00
Little Gratiot River	0403.10
Siskiwit Lake outlet	0015.00
Big Siskiwit River	0020.00
Little Siskiwit River	0017.00
Tobacco River	0403.50
Washington Creek	0009.50, 0009.70, 0010.00

LAKE COUNTY

STREAM	STATION NUMBERS
Butterfly Creek	1261.72
Coe Creek	1251.10, 1251.30, 1251.40
Cool Lake outlet	1261.85, 1261.86
Elm Creek	1252.30
Little Manistee River	1261.00, 1261.05, 1261.10, 1261.25, 1261.30, 1261.35, 1261.40, 1261.45, 1261.64, 1261.66, 1261.70, 1261.73, 1261.74, 1261.75, 1261.76, 1261.78, 1261.80, 1261.88
Little Manistee River tributary	1261.15
Mid Lake outlet	1261.68
Perch Lake outlet	1261.20
Pere Marquette River	1223.00, 1223.75
Little South Branch Pere Marquette River	1222.89
Middle Branch Pere Marquette River	1222.55, 1222.60
Pine River	1250.40, 1250.90, 1251.00, 1251.50, 1252.00, 1252.15, 1252.20, 1253.70
Poplar Creek	1253.60
Silver Creek	1252.08, 1252.10
Stronach Creek	1261.82, 1261.84, 1261.87
Twin Creek	1261.60
East Branch Twin Creek	1261.50
West Branch Twin Creek	1261.55

LAPEER COUNTY

STREAM	STATION NUMBERS
Belle River	1605.50, 1605.59, 1605.65, 1605.72, 1605.75
North Branch Belle River	1605.70
Belle River tributary	1605.73
Bottom Creek	1458.20
North Branch Clinton River	1640.10
Flint River	1465.00
North Branch Flint River	1458.50
South Branch Flint River	1459.35, 1460.60
Grave Creek	1458.30
Hunters Creek	1459.38
Lime Lake outlet	1481.00
Long Lake outlet	1605.60
North Branch Mill Creek	1597.00, 1597.50
Pine Creek	1459.25
Plum Creek	1460.50
Spring Bank Creek	1459.45, 1459.50
Squaw Creek	1458.40

LEELANAU COUNTY

STREAM	STATION NUMBERS
Crystal River	1268.00

LENAWEE COUNTY

STREAM	STATION NUMBERS
Bean Creek	1843.00, 1843.15, 1843.20, 1843.40, 1843.50, 1843.60
Bear Creek	1760.18, 1761.00
Beaver Creek	1759.80, 1759.82
Big Meadow Drain	1761.10
Black Creek	1759.40, 1760.40, 1761.20
Cook Drain	1759.90
Devils Lake outlet	1842.90
Evans Creek	1756.65, 1756.80
Garrison Drain	1843.30
Goose Creek	1755.80
Hahn Drain	1761.30
Hazen Creek	1758.00
Middle Branch Macon River	1762.20
North Branch Macon River	1762.95
South Branch Macon River	1762.40
Nile Ditch	1760.60
Posey Lake outlet	1843.10
River Raisin	1761.40, 1761.60
South Branch River Raisin	1757.50, 1758.50, 1759.60, 1759.85
Riga Drain	1761.50
Squaw Creek	1759.00
Stony Creek	1758.30
Wolf Creek	1758.75, 1759.20, 1759.50

LIVINGSTON COUNTY

STREAM	STATION NUMBERS
Chilson Creek	1721.70
Crooked Lake outlet	1724.60
Davis Creek	1710.10
Gosling Lake	1724.30
Hay Creek	1721.80
Horseshoe Lake outlet	1721.35, 1721.40
Huron River	1707.00, 1714.50
Inchwagh Lake outlet	1708.50
Livermore Creek	1724.15
Mann Creek	1706.00
Murry Lake outlet	1714.00
South Ore Creek	1715.00
Portage Creek	1723.00, 1723.50
Red Cedar River	1111.50, 1111.60, 1112.00
Middle Branch Red Cedar River	1111.40
Woodruff Creek	1706.50

LUCE COUNTY

STREAM	STATION NUMBERS
East Lake Creek	0449.38, 0449.40
North Manistique Lake outlet	0470.00
Tahquamenon River	0450.00
Trout Creek	0447.81, 0447.85
Trout Creek diversion	0447.82
Two Hearted River	0447.95, 0448.04

MACKINAW COUNTY

STREAM	STATION NUMBERS
Carp River	1279.44, 1279.46
North Fork Carp River	1279.40
Pine River	1279.18
Silver Creek	1279.16

MACOMB COUNTY

STREAM	STATION NUMBERS
Apel Drain	1640.30
Ashery Creek	1606.10
Bear Creek	1626.00
Belle River	1606.00
Big Beaver Creek	1628.95
Cemetery Creek	1643.40
Middle Branch Clinton River	1645.20, 1646.00, 1648.00, 1648.10, 1652.20
North Branch Clinton River	1640.20, 1640.50, 1641.30, 1641.50
Coon Creek	1641.90, 1642.00, 1642.10, 1643.90
East Branch Coon Creek	1642.90, 1643.10, 1643.60, 1643.85
Cox Doty Drain	1605.84
Deer Creek	1643.95, 1644.00
Dunn Drain	1651.90
East Pond Creek	1640.90, 1640.95, 1641.10
Gloede Ditch	1652.00

MACOMB COUNTY--Continued

STREAM	STATION NUMBERS
Harrington Drain	1655.50
Hart Drain	1644.70
Healy Drain	1647.00
Highbank Creek	1643.20, 1643.30, 1643.50
Keller Drain	1645.50
Lemon Drain	1605.90
Mahaffy Drain	1640.45
McBride Drain	1644.50
Mount Vernon Drain	1617.80
Newland Drain	1640.40
Red Run	1625.00
Sage River	1605.99
Stony Creek	1618.00
Tupper Brook	1642.30, 1642.50

MANISTEE COUNTY

STREAM	STATION NUMBERS
Bear Creek	1257.00
Betsie River	1266.00, 1266.03, 1266.06
Manistee River	1242.00
Little Manistee River	1261.95, 1262.00, 1263.00, 1265.00, 1265.02
Slagle Creek	1242.10

MARQUETTE COUNTY

STREAM	STATION NUMBERS
Bear Creek	0580.73, 0580.74, 0580.76, 0580.78, 0580.80
Bear Creek tributary	0580.75, 0580.77, 0580.79
Big Creek	0445.52, 0445.54, 0445.60, 0445.61, 0445.63
Black River	0578.75, 0578.85, 0579.00, 0579.80
Boston Lake outlet	0578.06, 0578.08
Bruce Creek	0578.90
Carp Creek	0441.80, 0441.85, 0441.87, 0442.00, 0442.02, 0442.10
Carp River	0443.40, 0443.60, 0444.01, 0444.02, 0444.03, 0444.04, 0444.05
Carp River tributary	0443.80
Cedar Creek	0445.70, 0445.72, 0445.74
Cherry Creek	0445.80, 0445.81, 0445.82, 0445.83, 0445.84
Chocolay River	0445.40, 0445.88
West Branch Chocolay River	0445.34, 0445.36, 0445.38
Dishno Creek	0620.95
Ely Creek	0581.70
East Branch Escanaba River	0583.20, 0584.10, 0584.20, 0584.50, 0584.80, 0584.90, 0584.95, 0585.06
Middle Branch Escanaba River	0576.90, 0577.00, 0577.01, 0578.00, 0578.01, 0578.10, 0578.20, 0580.30, 0580.31, 0580.32, 0580.33, 0580.34, 0580.35, 0580.36, 0580.37, 0580.38, 0580.39, 0580.40, 0580.44, 0580.50
Middle Branch Escanaba River tributary	0580.02, 0580.21, 0580.43, 0580.47
Big West Branch Escanaba River	0586.00
Fifteen Creek	0583.25
Flopper Creek	0580.56, 0580.57, 0580.58, 0580.60, 0580.61, 0580.62
Flopper Creek tributary	0580.59
Goldmine Creek	0443.00
Goose Lake outlet	0583.60, 0583.65, 0583.70, 0583.72, 0583.75, 0583.80, 0583.90, 0584.00

MARQUETTE COUNTY--Continued

STREAM	STATION NUMBERS
Green Creek (tributary to Middle Branch Escanaba River)	0581.10, 0581.19, 0581.20, 0581.21, 0581.22, 0581.23, 0581.24, 0581.25, 0581.26, 0581.32
Green Creek (tributary to Schweitzer Creek)	0581.75
Green Creek tributary	0581.80
Halfway Creek (tributary to Middle Branch Escanaba River)	0577.70, 0577.71
Halfway Creek (tributary to East Branch Escanaba River)	0585.05
Lake Lory outlet	0578.52, 0578.70
Little Lake outlet	0587.00
Magers Creek	0622.05
McKinnon Lake outlet	0578.60
Michigamme River	0622.30
Mill Creek	0622.35
Morgan Creek	0444.47, 0444.50
O'Neal Creek	0584.70
Partridge Creek (tributary to Carp Creek)	0442.06
Partridge Creek (tributary to Goose Lake)	0583.40, 0583.42, 0583.48, 0583.50
Peshekee River	0621.02
Peterson Creek	0445.55, 0445.57, 0445.59
Rocky Creek	0580.22, 0580.23
Schweitzer Creek	0581.83, 0581.86, 0581.90, 0582.10
Second Creek	0577.45, 0577.50
Silver Creek	0445.90, 0445.91, 0445.92, 0445.93, 0445.94, 0445.95, 0445.96, 0445.97
Silver Lead Creek	0445.31, 0445.32
Spruce Creek	0622.50
Teal Lake outlet	0443.70, 0443.71
Trout Fall Creek	0623.20
Uncle Tom Creek	0584.30, 0584.40
Warner Creek	0582.40
West Branch Creek	0580.10, 0580.20, 0580.24, 0580.26

MASON COUNTY

STREAM	STATION NUMBERS
Little Manistee River	1261.89
Pere Marquette River	1224.00

MECOSTA COUNTY

STREAM	STATION NUMBERS
Dead Stream	1218.10
West Branch Chippewa River	1536.00
Gilbert Creek	1218.00
West Branch Little Muskegon River	1218.05, 1218.15
Pony Creek	1542.00

MENOMINEE COUNTY

STREAM	STATION NUMBERS
Big Cedar River	0596.80, 0597.00, 0597.50
West Branch Big Cedar River	0596.95
Ford River	0591.20
South Branch Ford River	0591.30
West Branch Ford River	0591.35
Forty seven Mile Creek	0597.10
Little Cedar River	0670.50, 0671.00, 0671.10, 0676.00
Sturgeon River	0655.45
Tenmile Creek	0591.70, 0591.80, 0591.90, 0592.50, 0594.00
Tenmile Creek tributary	0592.00, 0592.10
Walton River	0597.60

MIDLAND COUNTY

STREAM	STATION NUMBERS
Salt River	1535.10
Tittabawassee River	1562.00

MISSAUKEE COUNTY

STREAM	STATION NUMBERS
Big Cannon Creek	1235.85
Clam River	1212.50, 1212.55, 1213.00
Muskegon River	1209.50

MONROE COUNTY

STREAM	STATION NUMBERS
Macon River	1763.30
Middle Branch Macon River	1762.30
South Branch Macon River	1762.60
North Branch Macon Creek	1763.00, 1763.10, 1763.20
River Raisin	1762.00
Little River Raisin	1761.80
Saline River	1764.20, 1764.25, 1764.30
Stony Creek	1755.635
Swamp Raisin Creek	1761.70
Little Swan Creek	1755.17
North Branch Swan Creek	1755.155
Willow Run	1765.15

MONTCALM COUNTY

STREAM	STATION NUMBERS
Cedar Creek	1547.00
Dickerson Creek	1163.00
Fish Creek	1153.00, 1155.15, 1156.00
Flat River	1161.70, 1162.00
Pine River	1546.00, 1546.05
Tamarack Creek	1219.10, 1219.15
Whitefish Lake outlet	1219.30

MONTMORENCY COUNTY

STREAM	STATION NUMBERS
Black River	1300.65, 1300.70
East Branch Black River	1302.00
East Fish Lake outlet	1322.90
Fuller Creek	1322.95
Hunt Creek	1323.00
McCormick Lake outlet	1322.05
Thunder Bay River	1322.10, 1322.15, 1326.00
North Branch Thunder Bay River	1336.00

MUSKEGON COUNTY

STREAM	STATION NUMBERS
Bear Creek	1221.05, 1221.20, 1221.25
Little Bear Creek	1221.10
Black Creek	1203.00
Black Creek tributary	1203.10
Little Black Creek	1203.20
Ruddiman Creek	1220.90
Ryerson Creek	1220.85
White River	1222.05

NEWAYGO COUNTY

STREAM	STATION NUMBERS
DeLong Creek	1221.84
Five Mile Creek	1221.70, 1221.72
Flinton Creek	1221.74
Fremont Lake outlet	1220.40
Fremont Lake inlet	1220.45
East Branch Heald Creek	1221.90
Hess Lake outlet	1219.80
Martin Creek	1221.89, 1221.91, 1221.92
Menu Creek	1221.86, 1221.87
Little South Branch Pere Marquette River	1222.80, 1222.82
Second Cole Creek	1221.81
White River	1221.60, 1221.62, 1221.64, 1221.66, 1221.68, 1221.76, 1221.78, 1221.80, 1221.82, 1221.83, 1221.85, 1221.88, 1221.93
Wright's Creek	1221.94

OAKLAND COUNTY

STREAM	STATION NUMBERS
Buckhorn Creek	1437.90, 1438.00
Clinton River	1607.50, 1608.50, 1609.45, 1609.50, 1618.30
Davis Creek	1707.95, 1708.00
Deer Lake outlet	1607.60
Duck Creek	1480.30
Elizabeth Lake outlet	1609.40
South Branch Flint River	1459.20
Franklin Branch	1660.30
Gallager Lake outlet tributary	1696.80
Galloway Creek	1610.60, 1610.90, 1611.00
Galloway Creek tributary	1610.95, 1611.05

OAKLAND COUNTY--Continued

STREAM	STATION NUMBERS
Gibson Drain	1633.95
Hayes Creek	1689.95, 1690.00
Huron River	1688.00, 1689.00, 1689.05, 1689.20, 1689.10, 1696.00, 1696.05
Judah Lake inlet	1607.92
Judah Lake outlet	1607.95
Kearsley Creek	1480.10, 1480.15, 1480.20
Lawson Drain	1619.98
Little Lake outlet	1481.97
Loon Lake outlet	1696.70
Minnow Pond Drain	1662.90
Norton Creek	1696.50, 1696.90, 1697.00
Norton Creek tributary	1696.60
Paint Creek	1614.93, 1614.95
Paint Creek Drain	1613.00
Pebble Creek	1660.90
Pettibone Creek	1699.30, 1699.40, 1699.50
Red Run	1620.00
River Rouge tributary	1659.87, 1659.90
Sargent Creek	1615.38
Sashabaw Creek	1607.90
Shiawassee River	1437.00, 1438.30
Shiawassee River tributary	1438.20
Stony Creek	1615.65, 1615.70
West Branch Stony Creek	1615.98, 1616.00, 1616.10, 1617.70
Stony Creek tributary	1615.68
Swartz Creek	1481.88, 1481.90, 1481.92, 1481.95, 1482.00, 1482.10, 1482.50
Swartz Creek tributary	1482.15
Thread Creek	1483.95, 1484.00
Trout Creek	1615.20, 1615.24
Trout Creek tributary	1615.22
Twin Lake outlet	1617.70
Walled Lake Branch	1665.95, 1666.00

OCEANA COUNTY

STREAM	STATION NUMBERS
Pentwater River	1222.35
Silver Lake outlet	1222.10
White River	1221.95

OGEMAW COUNTY

STREAM	STATION NUMBERS
North Branch Ammond Creek	1398.95
South Branch Ammond Creek	1398.90
Andrews Creek	1386.22
Au Gres River	1379.50
Bailer Creek	1398.70
Barber Creek	1386.95
Bixby Creek	1387.00
Crane Creek	1412.00
Crapo Creek	1412.50
Gamble Creek	1385.60, 1385.80, 1386.00, 1386.02, 1386.15, 1386.50, 1386.55
Henderson Lake outlet	1396.20
Houghton Creek	1387.10, 1387.90, 1388.00, 1388.10, 1388.20, 1389.50

OGEMAW COUNTY--Continued

STREAM	STATION NUMBERS
Klacking Creek	1401.40, 1402.00, 1402.50, 1403.00, 1404.00
Little Klacking Creek	1401.50, 1401.60
Krug Creek	1388.46
Mayhue Creek	1386.21, 1386.35
Ogemaw Creek	1413.50
Oyster Creek	1386.17, 1386.20, 1386.25, 1386.45
Prior Creek	1396.90, 1397.00, 1398.00, 1398.80
North Branch Prior Creek	1398.50
Rifle Creek	1413.00
Rifle River	1386.70, 1386.90, 1395.20, 1395.50, 1396.00, 1396.50, 1411.10
Rifle River tributary	1395.40
West Branch Rifle River	1415.00
Sandback Creek	1387.50
Shepards Creek	1411.00
Skunk Creek	1395.08, 1395.10
Middle Branch Tittabawassee River	1520.10
Vaughn Creek	1386.05, 1386.07, 1386.10
Wilkins Creek	1388.40, 1388.50, 1389.00, 1389.30

ONTONAGON COUNTY

STREAM	STATION NUMBERS
Adventure Creek	0349.00
Baltimore River	0346.90
Clear Creek	0347.00
Cranberry River	0325.20
Cunningham Creek	0325.30
Deer Creek	0325.25
Firesteel River	0401.20
East Branch Firesteel River	0401.15
West Branch Firesteel River	0401.10
Flintsteel River	0401.00
Iron River	0325.05
Little Iron River	0324.50
Merriweather Creek	0359.90
Mineral River	0325.10, 0325.15
Misery River	0401.75
Ontonagon River	0400.20
Potato River	0325.33
Presque Isle River	0321.00
Trout Creek	0345.50

OSCEOLA COUNTY

STREAM	STATION NUMBERS
Beaver Creek	1250.10
Little Beaver Crest Creek	1250.20
Coe Creek	1251.15, 1251.25
Dyers Creek	1251.20
Lake Outlet Creek	1244.70
Middle Branch River	1214.00
Pine River	1245.10, 1250.05
East Branch Pine River	1244.60, 1244.95
North Branch Pine River	1244.15, 1244.35, 1244.40, 1244.50
Sprague Creek	1245.20

OSCODA COUNTY

STREAM	STATION NUMBERS
North Branch AuSable River	1359.90
Big Creek	1359.50

OTSEGO COUNTY

STREAM	STATION NUMBERS
Black River	1300.30, 1300.40, 1300.45
Manistee River	1234.60, 1234.63, 1234.65
Manistee River tributary	1234.68
Pigeon River	1288.50, 1289.80, 1289.90
Sturgeon River	1282.15, 1282.20, 1282.30

OTTAWA COUNTY

STREAM	STATION NUMBERS
Black River	1088.15
Bosch & Hulst Drain	1088.10, 1088.12
Crockery Creek	1201.00
Grand River	1193.00
Rush Creek	1292.20, 1192.21
Sand Creek	1192.50

PRESQUE ISLE COUNTY

STREAM	STATION NUMBERS
Grand Lake outlet	1321.70
Lake Nettie outlet	1321.50
Rainy River	1310.00

ROSCOMMON COUNTY

STREAM	STATION NUMBERS
Backus Creek	1205.20
Bear Creek	1210.05
Dead Stream	1209.20
Muskegon River	1209.00
Lake St. Helen outlet	1356.40, 1356.45
West Branch Tittabawassee River	1520.40
Townline Creek	1211.55

SAGINAW COUNTY

STREAM	STATION NUMBERS
South Fork Bad River	1457.00
Beaver Creek	1458.00
Birch Run	1491.00
Misteguay Creek	1493.55, 1493.60
Pine Run	1488.20
Saginaw River	1569.90, 1569.95
Tittabawassee River	1565.00

ST. CLAIR COUNTY

STREAM	STATION NUMBERS
Appley Drain	1603.10
Baird Drain	1606.30
Belle River	1605.78, 1605.80, 1606.15, 1606.20, 1606.25
Big Creek	1603.32
Black River	1595.00, 1600.50
Cowhy Drain	1603.00
Eddy Drain	1603.17, 1603.20
Emmet Drain	1601.80
Howe Drain	1600.70
Jerome Creek	1606.18
Mill Creek	1598.90, 1598.91, 1599.00, 1600.00
North Branch Mill Creek	1598.00
South Branch Mill Creek	1598.50, 1598.80
Moak Drain	1603.95
Pine River	1601.70, 1601.95, 1602.00, 1603.25, 1603.50, 1604.00
Plum Creek	1594.95
Rattle Run	1603.87, 1603.90
Silver Creek	1594.90
Smiths Creek	1603.40, 1603.46

ST. JOSEPH COUNTY

STREAM	STATION NUMBERS
Fawn River	0984.00, 0985.02, 0986.40
Flowerfield Creek	0973.70
Klinger Lake outlet	0986.35
Perrin Lake outlet	0975.37
Portage River	0973.40, 0973.43, 0973.45
Prairie River	0976.30
Rocky River	0974.80, 0974.82, 0974.93, 0974.95
St. Joseph River	0968.00, 0970.00
Sherman Mill Creek	0986.10, 0986.20, 0986.30
Spring Creek	0973.80
Swan Creek	0967.66
White Pigeon River	0991.00, 0991.10, 0991.12

SANILAC COUNTY

STREAM	STATION NUMBERS
Arnot Creek	1592.70
Berry Drain	1591.70
Bishop Creek	1591.40
Black River	1591.34, 1591.45, 1591.50, 1591.80, 1592.50, 1592.90, 1593.00, 1594.45, 1594.70, 1594.80, 1594.83
Carrol Drain	1591.35
South Branch Cass River	1498.00
Duff Creek	1497.00
Elk Creek	1591.90, 1592.00, 1592.10, 1592.30, 1592.40
Frizzle Drain	1592.15
Fye Drain	1591.75
Pitts Drain	1592.22, 1592.25
East Branch Speaker and Maple Valley Drain	1592.02

SCHOOLCRAFT COUNTY

STREAM	STATION NUMBERS
Bear Creek	0567.95
Big Spring	0569.00
Camp 83 Creek	0567.27
Clark Ditch	0491.00
Corner Lake outlet	0567.05
Creighton River	0555.00
Deer Creek	0567.13
Delias Run Creek	0567.33
Driggs River	0520.00
Duck Creek	0544.00
Grays Creek	0505.00
Grays Creek Spillway	0504.00
Gulliver Lake outlet	0464.00
Holland Creek	0490.00, 0492.00
Indian River	0567.10, 0567.15, 0567.25, 0567.30, 0567.38, 0567.40, 0567.50
Little Indian River	0567.19, 0567.20, 0567.21, 0567.22, 0567.23
Marsh Creek	0535.00
McDonald Lake outlet	0463.85, 0463.90
Mead Creek	0533.00
Mezik Creek	0542.00
Big Murphy Creek	0567.80, 0568.00, 0568.90
Little Murphy Creek	0567.45, 0567.47
Pine Creek	0510.00
Sand Creek	0515.00
Stutts Creek	0559.30
Thompson Creek	0570.52
Thompson Spring	0570.50
Walsh Creek	0525.00
Williams Creek	0570.55

SHIAWASSEE COUNTY

STREAM	STATION NUMBERS
Bear Creek	1145.70
Holly Drain	1440.50
Lookingglass River	1142.00, 1142.03
Lookingglass River diversion	1142.02
Shiawassee River	1440.55
South Branch Shiawassee River	1439.95
Webb Drain	1442.30, 1442.40

TUSCOLA COUNTY

STREAM	STATION NUMBERS
Cass River	1506.10
Perry Creek	1512.00
Sucker Creek	1507.00
White Creek	1506.00

VAN BUREN COUNTY

STREAM	STATION NUMBERS
Barber Creek	1027.70
Black River	1025.75, 1026.20, 1027.05, 1027.30
Black River tributary	1026.40, 1027.10
Middle Fork Black River	1027.80
Brandywine Creek	1022.40, 1022.50, 1022.60, 1025.40
Brownwood Lake outlet	1023.22
Brush Creek	1023.50, 1023.70
Butternut Creek	1027.25
Cedar Creek	1027.20
Little Cedar Lake outlet	1016.00
Clear Lake outlet	1077.30
Cook Drain	1021.77
Deerlick Creek	1025.45
Dowagiac Drain	1017.00
Dowagiac River	1017.40
Eagle Lake Drain	1021.45
Gates Drain	1021.40
Gravel Lake outlet	1016.05
Haven & Max Lake Drain	1025.90
Lake of the Woods Drain	1017.05, 1017.10
Maple Brook	1026.30
Melvin Creek	1027.50
Mud Lake Drain	1024.12
Osborn Drain	1017.15
Paw Paw River	1022.70
East Branch Paw Paw River	1021.70, 1021.71, 1021.72, 1021.78, 1021.79, 1021.80, 1022.00
North Branch Paw Paw River	1022.10, 1022.20
South Branch Paw Paw River	1021.50
Pine Creek	1024.30
Red Creek	1023.60

WASHTENAW COUNTY

STREAM	STATION NUMBERS
Allen Creek	1745.10
Arms Creek	1722.00
Fleming Creek	1746.80, 1747.10
Fleming Creek tributary	1746.90
Fourmile Lake outlet	1733.35
Fowler Creek	1673.30
Honey Creek	1742.90, 1742.95, 1743.00
Horseshoe Lake outlet	1721.05
Huron River	1740.00, 1748.00
Huron River tributary	1740.30
Iron Creek	1756.40, 1756.50
Johnson Drain	1666.45, 1666.50
Koch-Warner Drain	1763.95, 1763.99
Letts Creek	1733.20
Mill Creek	1731.50, 1732.30, 1732.50, 1732.54, 1735.50
Mill Creek tributary	1731.55, 1732.52, 1734.00
North Fork Mill Creek	1733.00, 1733.10, 1733.20, 1733.40, 1733.50
O'Connor Drain	1720.50
Paint Creek	1755.33, 1755.38
Pittsfield Drain	1745.15, 1745.17, 1745.18, 1763.98
Polzin Drain	1755.53
Portage Creek	1722.50
Portage River tributary	1726.00
River Raisin	1755.97, 1756.00, 1756.10, 1756.30
River Raisin tributary	1756.20

WASHTENAW COUNTY--Continued

STREAM	STATION NUMBERS
Lower River Rouge	1672.90
Saline River	1763.45, 1763.50, 1763.65, 1763.75, 1763.90
Saline River tributary	1763.55, 1763.70, 1763.80, 1764.05
South Lake outlet	1724.00
Stony Creek	1755.20
Sugar Creek	1755.25
Swift Run Drain	1745.19, 1745.20
Tobin Lake outlet	1709.00
Winnewanna Lake outlet	1094.00

WAYNE COUNTY

STREAM	STATION NUMBERS
Bell Branch	1664.00, 1664.50
Fellows Creek	1675.98, 1676.00
Fowler Creek	1673.40
Griggs Drain	1750.20
Johnson Drain	1667.00
Griggs Drain	1750.20
Huron River	1755.00
River Rouge	1685.20
Lower River Rouge	1673.00, 1673.42, 1675.00, 1681.00
Middle River Rouge	1667.47, 1667.49
Upper River Rouge	1663.50
Silver Creek	1755.03
Tarabusi Creek	1664.20
Tonquish Creek	1667.95, 1669.00
Willow Creek	1668.00
Willow Run	1749.50

WEXFORD COUNTY

STREAM	STATION NUMBERS
Brandy Creek	1211.90
Lake Cadillac outlet	1212.35
Clam River	1212.05, 1212.06, 1212.07, 1212.08, 1212.30
Cedar Creek	1238.00, 1238.10
Coe Creek	1251.05
Cyttja Lake outlet	1211.95
Hoxey Creek	1253.80
Mitchell Creek	1211.85
Negro Creek	1244.20, 1244.25, 1244.30
Pine River	1254.50, 1254.60
North Branch Pine River	1244.10
Poplar Creek	1252.50, 1253.00, 1253.20, 1253.40, 1253.50
Sixteen Creek	1244.00, 1244.05
Slagle Creek	1242.15, 1242.20

