

## Discharge at Miscellaneous Sites

## DISCHARGE AT MISCELLANEOUS SITES

Discharge measurements made at miscellaneous sites during the 2001 water year are listed in the following table. Those measurements of base flow are designated by an asterisk (\*) and measurements from earlier water years but not previously published by an (a). Stations previously published as Continuous Record Sites are designated by an (#), those sites published as an High-Flow Partial-Record are designated by an (+) estimated values designated by a.

Stream Name and [Station No.]	Tributary to	Location	Drainage area (mi <sup>2</sup> )	Measured previously (water years)	Measurements	
					Date	Discharge (ft <sup>3</sup> /s)
Lake Superior Basin						
Popular River at Superior National Golf Course near Lutsen (04012500)	Lake Superior	Lat 47°38'29", long 90°42'36" in SW1/4 NE1/4 sec. 33, T.60 N., R.3 W., Cook County, Hydrologic Unit 04010101, at golf course 500 ft upstream from U.S. Hwy 61, 2 miles southwest of Lutsen.	112	#1912-17, #1928-47, #1952-61, +1972-80	04-16-01	744
					04-18-01	483
					04-25-01	1,740
					08-01-01	620
Beaver River near Beaver Bay, MN	Lake Superior	Lat 47°15'14", long 91°22'45", in NE1/4 NW1/4 sec. 17, T.55 N., R.8 W., Lake County, Hydrologic unit 04010102, at bridge on County Highway 3, 3.5 miles west of Beaver Bay.	--	1974, 2000	10-11-00	5.12
Sucker Creek near Palmers	Lake Superior	Lat 46°55'57", long 91°51'29", in NW1/4 SE1/4 sec. 4, T.5 N., R.12 W., St. Louis County, Hydrologic Unit 04010102, at culvert on County Road 290, 1 mile northwest of Palmers, 0.4 mile above U.S. Hwy 61 and 0.7 mile above site 04015340.	--	--	04-08-01	408
					04-09-01	172
					04-24-01	733
Talmadge River near Clifton	Lake Superior	Lat 46°53'55", long 91°56'30", in SE1/4 SE1/4 sec. 14, T.51 N., R.13 W., St. Louis County, Hydrologic Unit 04010102, at bridge on County Road 281, 1.1 miles above site 04015370, 1.3 miles northwest of Clifton.	--	--	04-08-01	176
					04-09-01	45.3
					04-24-01	116
Red River of the North Basin						
Otter Tail River near Fergus Falls (05045900)	Red River of the North	Lat 46°16'32", long 96°08'03", in SE1/4 NW1/4 sec. 6, T.132 N., R.43 W., Ottertail County, Hydrologic Unit 09020103, at culverts on County Road 15, 3.5 mi southeast of Fergus Falls.	--	--	09-12-01	527
					09-26-01	417
Otter Tail River near Everdell (05046270)	Red River of the North	Lat 46°13'00", long 96°24'31", in SE1/4 NE1/4 sec. 26, T.132 N., R.46 W., Wilkin County, Hydrologic Unit 09020103, at bridge on County Road 17, 3.8 miles south of Everdell, 8.7 miles east and 4.5 miles south of Breckenridge.	--	1932, 1950	09-12-01 09-25-01	490 532
Otter Tail River above Breckenridge (05046450)	Red River of the North	Lat 46°15'42", long 96°32'45", in SE1/4 NW1/4 sec. 11, T.132 N., R.47 W., Wilkin County, Hydrologic Unit 09020103, at bridge on County Road 10, 2 miles east of Breckenridge.	--	--	09-11-01	564
					09-25-01	513
Otter Tail River at 11th St. in Breckenridge (05046502)	Red River of the North	Lat 46°16'28", long 96°34'47", in NE1/4 SE1/4 sec. 4, T.132 N., R.47 W., Wilkin County, Hydrologic Unit 09020103, on upstream left bank, at 11th St. bridge, 1/4 mile upstream of U.S. Hwy 75 bridge in Breckenridge.	--	--	09-11-01 09-25-01	713 696
Mustinka River below Norcross (05047010)	Red River of the North	Lat 45°53'15", long 96°12'48", in NE1/4 NE1/4 sec. 20, T.128 N., R.44 W., Grant County, Hydrologic Unit 09020102, at bridge on State Hwy 9, 1.3 miles northwest of Norcross.	--	1943-44, 1950	09-24-01	12.5

## DISCHARGE AT MISCELLANEOUS SITES--Continued

Stream Name and [Station No.]	Tributary to	Location	Drainage area (mi <sup>2</sup> )	Measured previously (water years)	Measurements	
					Date	Discharge (ft <sup>3</sup> /s)
Red River of the North (continued)						
Rabbit River near Campbell (05051200)	Red River of the North	Lat 46°06'43", long 96°29'32", in SE1/4 SE1/4 sec. 31, T.130 N., R.46 W., Wilkin County, Hydrologic Unit 09020101, at bridge on U.S. Hwy 75, 4 miles west and 1.2 miles north of Campbell.	--	--	09-11-01	<0.10
Whiskey Creek below Brushvale (05051515)	Red River of the North	Lat 46°23'55", long 96°39'08", in SW1/4 SW1/4 sec. 19, T.134 N., R.47 W., Wilkin county, Hydrologic Unit 09020104, at culverts on township road 3 miles southeast of Kent.	--	--	09-13-01	0.00
Whiskey Creek near Kent (05051520)	Red River of the North	Lat 46°24'48", long 96°39'30", in SE1/4 SE1/4 sec. 13, T.134 N., R.48 W., Wilkin County, Hydrologic Unit 09020104, at double pipe arch culverts on County Highway 20, 2 miles southeast of Kent.	a80	1964-66, 1970-74, 1976, 1988	09-13-01	0.00
Whiskey Creek at Kent (05051521)	Red River of the North	Lat 46°26'21", long 96°40'43", in NE1/4 NE1/4 sec. 11, T.34 N., R.48 W., Wilkin county, Hydrologic Unit 09020104, on upstream left bank of bridge on U.S. Hwy, 0.4 mile east of Kent.	--	--	09-13-01 09-25-01	1.13 1.82
Red Lake River at State Hwy. 220 above East Grand Forks (05082000)	Red River of the North	Lat 47°53'48", long 96°57'42", in NW1/4 SE1/4 sec. 17, T.151 N., R.49 W., Polk County, at bridge on State Highway 220, 2 miles southeast of East Grand Forks.	--	2000	10-23-00 04-12-01 07-09-01	1,190 14,900 1,570
Mississippi River Basin						
Mississippi River at Winnibigoshish Dam (05201500)	Gulf of Mexico	Lat 47°25'42", long 94°03'00", in NE1/4 SW1/4 sec. 25, T.146 N., R.27 W., Itasca County, Hydrologic Unit 07010101, on Leech Lake Indian Reservation, at dam 1 mile northwest of Little Winnibigoshish Lake, 14 miles northwest of city of Deer River, at mile 1,248 upstream from Ohio River.	--	1992-94	07-03-01	2,160
Leech Lake River Basin						
Leech Lake River at Federal Dam (05206500)	Mississippi River	Lat 47°14'45", long 94°13'12", in SW1/4 NW1/4 sec. 34, T.144 N, R.28 W, Cass County, Hydrologic Unit 07010102, on Leech Lake Indian Reservation, on right bank at dam on Leech Lake River at city of Federal Dam, 2 miles downstream from natural outlet of Leech Lake.	1,163	1992-94	07-03-01	841
Pine River Basin						
Pine River at Cross Lake Dam at Cross Lake (05231000)	Mississippi River	Lat 46°40'09", long 94°06'44", in SW1/4 NW1/4 sec. 21, T.137 N., R.27 W., Crow Wing County, Hydrologic Unit 07010105, at dam at outlet of Cross Lake at city of Cross Lake.	562	* 1886-76, 1993-94, 1998, 2000	11-14-00	661
Crow River Basin						
Jewitts Creek near Litchfield (05278083)	North Fork Crow River	Lat 45°08'44", long 94°30'59", in NE1/4 SW1/4 sec. 1, T.120 N., R.31 W., Meeker County, Hydrologic Unit 07010204, at culvert on State Highway 24, on north side of Litchfield, downstream of waste treatment plant outfall.	--	--	09-06-01	3.94

## DISCHARGE AT MISCELLANEOUS SITES--Continued

Stream Name and [Station No.]	Tributary to	Location	Drainage area (mi <sup>2</sup> )	Measured previously (water years)	Measurements	
					Date	Discharge (ft <sup>3</sup> /s)
Crow River Basin (continued)						
Crow River below State Hwy 101 at Dayton (05280400)	Mississippi River	Lat 45°13'00", long 93°31'12", in SE1/4 SW1/4 sec. 2, T.120 N., R.23 W., Hennepin County, at bridge on State Hwy 101 in Day- ton.	--	1905	10-11-00	64.1
					04-09-01	4,120
					06-21-01	3,260
Rice Creek Basin						
Rice Creek at County Road 1 in Fridley (05288610)	Mississippi River	Lat 45°05'25", long 93°16'35", in SW1/4 SE1/4 sec. 15, T.30 N., R.24 W., Anoka county, Hydrologic Unit 07010206, at bridge on County Road 1 in Fridley.	--	2000	10-04-00	6.63
					04-06001	143
					06-15-01	264
Minnesota River Basin						
Redwood River on County Road 67 near Mar- shall (05315050)	Minnesota River	Lat 44°29'12", long 95°45'56", in NW1/4 NE1/4 sec. 27, T.112 N., R.41 W., Lyon County, Hydrologic Unit 07020006, on County Road 67, down- stream of the Marshall waste treat- ment plant outfall, 2.5 miles down- stream of Marshall.	--	1999	09-10-01	18.7
Blue Earth River at County Road 90 near Man- kato (05321990)	Minnesota River	Lat 44°07'42", long 94°02'55", in SW1/4 SW1/4 sec. 26, T.108 N., R.27 W., Blue Earth County, Hydrologic Unit 07020009, at bridge on County Road 90 near Mankato, 1.5 miles southwest of LeHillier, 0.1 mile downstream of mouth of Le Sueur R.	--	--	04-03-01	21,100
Judicial Ditch # 19 at U.S. Highway 22 near New Auburn	High Island Lake	Lat 44°41'18", long 94°13'59", in SE1/4 SE1/4 sec. 7, T.114 N., R.28 W., Sibley County, Hydrologic Unit 07020012, at culvert on State Hwy 22, 1 mile north of New Auburn.	--	--	06-14-01	10.1
High Island Lake Trib. near New Auburn	High Island Lake	Lat 44°39'21", 94°10'40", in NW1/4 NE1/4 sec. 27 T.114 N., R.28 W., Sibley County, at culvert on town- ship road 2.5 miles southeast of New Auburn.	--	--	06-14-01	1.47
Buffalo Creek (County Ditch 59) near New Rome (05326800)	High Island Creek	Lat 44°33'44", long 94°03'06", in NW1/4 SW1/4, sec. 26, T.113 N., R.27 W., Sibley County, Hydrologic unit 07020012, on County Highway 17, 2.4 miles northeast of New Rome.	--	1969, 1985, 1987-88, 2000-01	06-14-01	40.3
St. Croix River Basin						
St. Croix River at Stillwater (05341550)	Mississippi River	Lat 45°03'22", long 92°48'11", in NE1/4 SE1/4 sec. 22, T.30 N., R.20 W., Washington County, Hydrologic Unit 07030005, at lift bridge in Stillwater.	--	1975-81, 1995	09-18-01	2,890
Cedar River Basin						
Cedar River below sew- age treat- ment plant in Austin (05455978)	Mississippi River	Lat 43°38'58", long 92°58'24", in NE1/4 SE1/4 sec. 10, T.102N., R.18W., Mower County, Hydrologic Unit 07080201, at Austin Youth Ranch-Sheriff's Youth Program, 0.2 miles downstream of sewage treat- ment plant, 0.1 miles upstream of Turtle Creek, in Austin.	--	1999	09-19-01	51.1
Des Moines River Basin						

## DISCHARGE AT MISCELLANEOUS SITES--Continued

Stream Name and [Station No.]	Tributary to	Location	Drainage area (mi <sup>2</sup> )	Measured previously (water years)	Measurements	
					Date	Discharge (ft <sup>3</sup> /s)
Okabena Creek near Worthington (05474885)	Des Moines River	Lat 43°38'51", long 95°31'57", in SW1/4 SW1/4 sec.9 T.102N., R.39W., Nobles County, Hydrologic Unit 07100001, at bridge on County High- way 3, just below waste settling ponds outfall, 1.5 miles northeast of Worthington.	--	1999	09-10-01	4.0