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### PRECIPITATION (inches) 2001 FARGO, North Dakota

<b>YEAR</b>	<b>1992</b>	<b>1993</b>	<b>1994</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>1998</b>	<b>1999</b>	<b>2000</b>	<b>2001</b>
<b>JAN</b>	0.89	0.79	0.67	0.76	1.82	1.79	0.81	1.15	0.33	0.20
<b>FEB</b>	0.51	0.19	0.64	0.62	0.94	0.59	1.51	0.20	0.99	0.74
<b>MAR</b>	1.05	0.83	0.97	2.62	0.41	1.89	0.97	1.83	1.77	0.26
<b>APR</b>	0.89	0.74	2.56	0.69	0.21	3.12	0.60	1.04	1.33	2.70
<b>MAY</b>	2.32	2.67	0.82	2.07	3.00	2.54	7.34	3.50	2.69	2.88
<b>JUN</b>	6.47	4.28	2.53	1.41	1.33	4.86	6.62	2.83	11.72	2.73
<b>JUL</b>	0.83	7.71	5.76	5.27	1.36	2.73	2.74	2.34	2.44	3.14
<b>AUG</b>	2.35	1.13	2.85	1.75	2.11	2.60	1.93	4.43	3.07	2.19
<b>SEP</b>	2.55	0.49	2.06	2.58	3.18	2.31	2.44	6.50	3.64	1.45
<b>OCT</b>	0.26	0.19	3.15	2.04	2.41	2.89	4.73	1.04	1.96	2.74
<b>NOV</b>	1.73	1.88	0.89	0.99	0.07	0.45	1.75	T	4.13	1.00
<b>DEC</b>	0.56	1.00	0.20	0.73	0.69	0.07	0.31	0.45	0.69	0.22
<b>ANNUAL</b>	20.41	21.90	23.10	21.53	17.53	25.84	31.75	25.31	34.76	20.25

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# Calendar Year Streamflow Statistics for Minnesota

## USGS 05062000 BUFFALO RIVER NEAR DILWORTH, Minnesota

Clay County, Minnesota  
 Hydrologic Unit Code 09020106  
 Latitude 46°57'40", Longitude 96°39'40" NAD27  
 Drainage area 975.00 square miles  
 Gage datum 878.31 feet above sea level NGVD29

Output formats
<a href="#">HTML table of all data</a>
<a href="#">Tab-separated data</a>
<a href="#">Reselect output format</a>

Year	Annual mean streamflow, in ft <sup>3</sup> /s	Year	Annual mean streamflow, in ft <sup>3</sup> /s	Year	Annual mean streamflow, in ft <sup>3</sup> /s	Year	Annual mean streamflow, in ft <sup>3</sup> /s
1932	27.1	1950	246	1967	159	1984	189
1933	31.4	1951	118	1968	65.7	1985	207
1934	24.9	1952	203	1969	203	1986	344
1935	35.7	1953	184	1970	97.0	1987	111
1936	65.1	1954	91.5	1971	113	1988	66.1
1937	31.3	1955	139	1972	182	1989	153
1938	46.9	1956	128	1973	71.6	1990	66.6
1939	48.6	1957	159	1974	149	1991	76.0
1940	30.7	1958	119	1975	443	1992	80.3
1941	53.0	1959	132	1976	57.3	1993	337
1942	83.4	1960	142	1977	43.8	1994	188
1943	199	1961	62.6	1978	233	1995	189
1944	232	1962	391	1979	182	1996	214
1945	173	1963	107	1980	70.3	1997	454
1946	119	1964	131	1981	59.8	1998	500
1947	162	1965	202	1982	129	1999	298
1948	80.5	1966	250	1983	147	2000	353
1949	54.2						

Surface Water data for Minnesota: Calendar Year Streamflow Statistics  
[http://waterdata.usgs.gov/mn/nwis/annual/calendar\\_year?](http://waterdata.usgs.gov/mn/nwis/annual/calendar_year?)

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[USGS Water Resources of Minnesota](#)



## Calendar Year Streamflow Statistics for Minnesota USGS 05061500 SOUTH BRANCH BUFFALO RIVER AT SABIN, Minnesota

Clay County, Minnesota  
 Hydrologic Unit Code 09020106  
 Latitude 46°46'20", Longitude 96°37'40" NAD27  
 Drainage area 454.00 square miles  
 Gage datum 902.39 feet above sea level NGVD29

<b>Output formats</b>
<a href="#">HTML table of all data</a>
<a href="#">Tab-separated data</a>
<a href="#">Reselect output format</a>

Year	Annual mean streamflow, in ft <sup>3</sup> /s	Year	Annual mean streamflow, in ft <sup>3</sup> /s	Year	Annual mean streamflow, in ft <sup>3</sup> /s	Year	Annual mean streamflow, in ft <sup>3</sup> /s
1946	29.8	1959	39.6	1971	37.5	1989	64.2
1947	52.7	1960	49.0	1972	60.8	1990	17.7
1948	30.2	1961	21.2	1973	14.0	1991	25.7
1949	12.8	1962	201	1974	33.7	1992	27.8
1950	93.8	1963	47.8	1975	179	1993	94.4
1951	44.7	1964	40.8	1976	14.2	1994	52.6
1952	68.6	1965	91.7	1977	21.0	1995	56.9
1953	84.3	1966	86.5	1978	101	1996	70.1
1954	28.3	1967	58.3	1979	72.8	1997	183
1955	39.1	1968	22.4	1986	164	1998	194
1956	41.6	1969	87.3	1987	35.5	1999	95.2
1957	45.9	1970	27.3	1988	16.3	2000	97.6
1958	53.0						

Surface Water data for Minnesota: Calendar Year Streamflow Statistics  
[http://waterdata.usgs.gov/mn/nwis/annual/calendar\\_year?](http://waterdata.usgs.gov/mn/nwis/annual/calendar_year?)

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PROPERTY OWNERS AND WELL LOCATIONS WITHIN THE BUFFALO AQUIFER DWSMA

July 12, 2002

NORTH BUFFALO DWSMA										
ACREAGE/PIN	NAME	HOUSE STREET	CITY	STATE	ZIP	Domestic Wells	High Cap. Wells	Monitoring Wells	Sealed Well	Abandoned Wells
304.50	200071700 JASON WANG	6620 70 AVEN	GLYNDON	MN	56547	1	0	0	1	0
30.91	200074400 VALDEMAR E. HAGENE	6756 70 AVEN	GLYNDON	MN	56547	1	0	0	0	0
7.86	200074401 JEFFREY J & SUSAN M WINTER	6912 70 AVEN	GLYNDON	MN	56547	1	0	1	1	0
79.25	200083700 CRED JOHNSON PARTNERSHIP	7333 70 ST N	GLYNDON	MN	56547	0	0	0	0	0
201.28	200172000 RICHARD, LAURIE AND CHAD OBERG	4310 110 Ave N	MOORHEAD	MN	56560	0	0	1	0	0
25.65	200172001 JOHN BURKEL & JULIE SAVAT	7205 70 AVEN	GLYNDON	MN	56547	1	0	0	0	0
208.56	200174000 ROBERT B. OFFUTT	4854 70 ST N	GLYNDON	MN	56547	1	0	0	0	0
104.96	200173000 JOANNE A FOBES	6137 70 ST N	GLYNDON	MN	56547	1	0	0	0	0
1.73	200173201 DONALD C. NELSON	6172 70 ST N	GLYNDON	MN	56547	1	0	0	0	0
1.15	200173001 JEFFREY FOBES	7338 57 AVEN	GLYNDON	MN	56547	1	0	0	0	0
140.62	200182000 RICHARD P & MAVIS WANG	7813 70 ST N	GLYNDON	MN	56547	0	0	0	0	0
148.23	200181000 GORDON T. KASSENBERG	5955 80 AVEN	GLYNDON	MN	56547	0	0	0	0	0
6.28	200181001 BRUCE C RAYMOND	1322 7TH ST S	FARGO	ND	58103	0	0	0	0	0
1.25	200181401 LOWELL V. BROWN	6215 70 ST N	GLYNDON	MN	56547	1	0	0	0	0
128.44	200184600 RALPH G GROVER LTD PTSHIP	4607 90 AVEN	MOORHEAD	MN	56560	0	1	1	0	0
73.35	200184800 JOANNE A FOBES	6137 70 ST N	GLYNDON	MN	56547	0	0	0	0	0
1.73	200184101 DOUGLAS P & REBECCA WEATHERLY	6171 70 ST N	GLYNDON	MN	56547	1	0	0	0	0
2.01	200184102 JAMES A. FOBES	6137 70 ST N	GLYNDON	MN	56547	1	0	0	1	0
1.73	200184801 PENNIE J RAFTEVOLD	6099 70 ST N	GLYNDON	MN	56547	0	0	0	0	0
296.75	200190100 WILLIAM J BORGAN	1909 50 AVEN	MOORHEAD	MN	56560	0	0	0	0	0
1.95	200190102 CITY OF MOORHEAD PUBLIC SERVICE	5003 P.O. BOX 779	MOORHEAD	MN	56560	0	1	2	0	0
10.00	200190101 TIMOTHY DUNCAN	7267 70 ST N	GLYNDON	MN	56547	1	0	0	0	0
149.28	200194000 SHARRY N ZIMMERMAN	7267 50 ST N	GLYNDON	MN	56547	0	0	0	0	0
11.07	200194001 DALE O & TAMERA J STRANDLIEN	4657 70 ST N	GLYNDON	MN	56547	1	0	0	1	0
119.55	200201300 GARY A. LEE	2731 EVERGREEN DRIVE	EDGEWATER	FL	32141	0	0	0	0	0
39.50	200202200 ROBERT B. OFFUTT	4854 70 ST N	GLYNDON	MN	56547	0	0	0	0	0
32.74	200202700 ROBERT B. OFFUTT	4854 70 ST N	GLYNDON	MN	56547	0	0	0	0	0
12.84	200203201 ROBERT B. & SUSAN KAY OFFUTT	4854 70 ST N	GLYNDON	MN	56547	1	0	0	0	0
<b>TOTAL</b>						<b>13</b>	<b>2</b>	<b>5</b>	<b>4</b>	<b>0</b>

SOUTH BUFFALO DWSMA										
ACREAGE/PIN	NAME	HOUSE STREET	CITY	STATE	ZIP	Domestic Wells	High Cap. Wells	Monitoring Wells	Sealed Well	Abandoned Wells
474.81	200320300 LANDFIELD FAMILY LIMITED	1700 9TH ST S	FARGO	ND	58103	2	1	0	0	0
152.38	100042000 THOMAS L WATT	3291 90 ST N	GLYNDON	MN	56547	0	0	0	0	0
75.30	100040300 THOMAS WATT ET AL	3291 90 ST N	GLYNDON	MN	56547	0	0	0	0	0
192.71	100050400 ROBERT SCHROEDER FAMILY TRUST	7768 HWY 10	GLYNDON	MN	56547	0	0	0	0	0
	100050401 JAMES AND PAULINE LITCH	8004 HWY 10	GLYNDON	MN	56547	1	0	0	0	0
183.93	100050100 STEPHEN E. SCHROEDER	7768 HWY 10	GLYNDON	MN	56547	0	0	0	0	0
83.67	100054000 STEPHEN E & LUCIA SCHROEDER	7768 HWY 10	GLYNDON	MN	56547	2	0	0	0	0
150.64	100053000 STEPHEN E. SCHROEDER	7768 HWY 10	GLYNDON	MN	56547	0	0	1	0	0
0.82	100053401 SHELLEY MOLSTRE	7298 Highway 10	DILWORTH	MN	56529	1	0	0	0	0
1.65	100054301 CITY OF MOORHEAD	P.O. BOX 779	MOORHEAD	MN	56560	0	3	0	0	1
86.35	100080150 LUCIA A SCHROEDER	7768 HWY 10	GLYNDON	MN	56547	0	0	0	0	0
492.18	100080400 LUCILLE L. FORD LTD PTSHIP	P O BOX 7160	FARGO	ND	58106	1	1	0	0	0
23.81	0 Railroad Right-of-way					0	0	0	0	0
617.51	100170000 GLYNDON FARMS CO.	P.O. BOX 535	MOORHEAD	MN	56560	4	0	1	0	0
<b>TOTAL</b>						<b>11</b>	<b>5</b>	<b>2</b>	<b>0</b>	<b>1</b>



National Hydrography Dataset (NHD) Assessment Reach ID	HUC-SEGMENT	RIVER REACH	LOCATION	NHD Length (Miles)	REACH LENGTH (MILES)	USES:		Indicators of Impairment:												Suspected Pollution Sources:																			
						AQUATIC LIFE	SWIMMING	BIOLOGY	OXYGEN DEPLETION	TURBIDITY	UN-IONIZED AMMONIA	PH	METALS	CHLORIDE	HABITAT ALTERATION	SEDIMENTATION	BACTERIA	TOTAL PHOSPHORUS	NITRITE/NITRATE	OXYGEN DEMAND (BOD)	SUSPENDED SOLIDS	MUNICIPAL	INDUSTRIAL	NONPOINT	AGRICULTURE	FORESTRY	CONSTRUCTION	URBAN RUNOFF	RESOURCE EXTRACTION	LAND DISPOSAL	HYDRO MODIFICATION	ATMOSPHERIC DEPOSITION	NATURAL CONDITIONS						
Red River of the North (Headwaters) cont'd.																																							
09020104-505	09020104-104	RED R	Whiskey Cr to Comstock dam 3	39.66	39.4	NA	NA																																
09020104-506	09020104-205	RED R	Otter Tail R to Breckenridge dam	2.35	2.3	NA	NA																																
09020104-507	09020104-302	RED R	Fargo/Moorhead dam 2 to dam 1	6.45	6.0	NA	NA																																
09020104-508	09020104-402	RED R	Wild Rice R(ND) to Dam 2	9.89	12.1	NA	NA																																
Buffalo River																																							
09020106-501	09020106-001	* BUFFALO R	S Br Buffalo R to Red R	45.08	21.4	FS	NA	FS	FS	T	FS	FS																											
09020106-502	09020106-108	* STONY CR	Hay Cr to South Br Buffalo R	12.83	15.0	PS	NA	PS	FS	FS																													
09020106-503	09020106-002	S BR BUFFALO R	Stony Cr to Buffalo R	16.28	10.9	FS	NA	FS	FS	FS																													
09020106-504	09020106-003	S BR BUFFALO R	Whiskey Cr to Stony Cr	10.40	7.1	FS	NA	FS	FS	FS																													
09020106-505	09020106-004	* S BR BUFFALO R	Deerhorn Cr to Whiskey Cr	16.58	10.0	NS	NA	NS																															
09020106-506	09020106-009	BUFFALO R	Headwaters to South Br Buffalo R	69.49	49.2	FS	NA	FS	FS	T	FS	FS																											
Red River of the North (Hillsboro) - Marsh River																																							
09020107-501	09020107-009	* RED R	Buffalo R to Elm R (ND)	29.39	18.0	NS	NS	FS	NS	FS	FS																												
09020107-502	09020107-002	* RED R	Wild Rice R to Goose R (ND)	22.77	14.4	NS	FS	FS	NS	FS	FS																												
09020107-503	09020107-010	MARSH R	Headwaters to Red R	49.54	26.7	FS	NA	FS																															
Wild Rice River																																							
09020108-501	09020108-001	WILD RICE R	South Br Wild Rice R to Red R	30.58	19.4	FS	NA	FS																															
09020108-502	09020108-002	S BR WILD RICE R	Otto Lk to Wild Rice R	56.42	45.4	FS	NA	FS																															

Full (FS); Full but Threatened (T); Partial (PS); Not (NS); Not Attainable (NT); Not Assessed (NA)  
\*USEPA 303(d) listed waterbody. An FS rating with \* may indicate listing for Mercury or other toxics not used in 305b  
1. : 1996 data

Table 5

