

# PEAK-FLOW FREQUENCY ESTIMATES THROUGH 1994 FOR GAGED STREAMS IN SOUTH DAKOTA

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Rapid City, South Dakota

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## CONVERSION FACTORS AND VERTICAL DATUM

Multiply	By	To obtain
cubic foot per second (ft <sup>3</sup> /s)	0.02832	cubic meter per second
foot (ft)	0.3048	meter
square mile (mi <sup>2</sup> )	2.590	square kilometer

Sea level: In this report, "sea level" refers to the National Geodetic Vertical Datum of 1929--a geodetic datum derived from a general adjustment of the first-order level nets of the United States and Canada, formerly called Sea Level Datum of 1929.

## PEAK-DISCHARGE AND GAGE-HEIGHT QUALIFICATION CODES USED IN TABLES 2-251

### DISCHARGE CODES

- No code - Peak flow or discharge is a maximum instantaneous value.
- 1 - Discharge is a maximum daily average.
- 2 - Discharge is an estimate.
- 4 - Discharge less than indicated value, which is minimum recordable discharge at this station.
- 5 - Discharge affected to unknown degree by regulation or diversion.
- 6 - Discharge affected by regulation or diversion.
- 7 - Discharge is a historic peak.
- 8 - Discharge actually greater than indicated value.
- 9 - Discharge due to snowmelt, ice jam, or debris dam breakup.
- B - Month or day of occurrence is unknown or not exact.
- E - Only annual maximum peak available for this year.

### GAGE-HEIGHT CODES

- No code - Stage or gage height is the maximum, unaffected value for the station during the year.
- 1 - Gage height affected by backwater.
- 2 - Gage height not the maximum for the year.
- 3 - Gage height at different site and/or datum.
- 4 - Gage height below minimum recordable elevation.
- 5 - Gage height is an estimate.

## GLOSSARY

- Backwater.**—Water backed up or retarded in its course as compared with its normal or natural condition of flow. In stream gaging, a rise in stage produced by a temporary obstruction such as ice or weeds, or by downstream flooding. The difference between the observed stage and the stage indicated by the stage-discharge relation is reported as backwater.
- Base discharge** (for peak flow).—In the Geological Survey's annual report on surface-water supply, the streamflow above which peak-flow data are published. The base discharge at each station is selected so that an average of about three peaks a year will be presented. In this report, peak flow and peak discharge are the same.
- Crest-stage gage.**—A device for obtaining the elevation of the flood crest of streams.
- Flood-frequency curve.**—A graph showing either the annual exceedance probability or the recurrence interval, plotted along the abscissa, of various peak-flow estimates, plotted along the ordinate.
- Flood peak.**—The highest value of the stage or discharge attained by a flood; thus, peak stage or peak discharge.
- Gage height.**—The water-surface elevation referred to some arbitrary gage datum. Gage height is often used interchangeably with the more general term stage although gage height is more appropriate when used with a reading on a gage. The stage or water-surface elevation in feet above sea level can be obtained by adding the gage height to the sea-level elevation of gage datum.
- Gaging station.**—A particular site on a stream, canal, lake, or reservoir where observations of gage height and/or discharge are obtained.
- Partial-duration flood series** (partial peaks).—A list of all flood peaks that exceed a chosen base stage or discharge, regardless of the number of peaks occurring in a year.
- Recurrence interval** (return period).—The average interval of time in years within which a given discharge will be equaled or exceeded once.
- Regulation.**—The artificial manipulation of the flow of a stream. For the purposes of this report, this refers only to regulation that affects flood peaks.
- Stage.**—The height of a water surface above an established datum plane; also gage height.
- Stage-discharge curve** (rating curve).—A graph showing the relation between the gage height (usually plotted as ordinate) and the discharge, expressed as volume per unit of time (usually plotted as abscissa).
- Stage-discharge relation.**—The relation expressed by the stage-discharge curve.
- Stream gaging.**—The process of measuring depths, areas, velocities, and rates of flow in natural or artificial channels.
- Streamflow-gaging station.**—A site where a continuous record of stage/discharge of a stream is obtained.
- Water year.**—In Geological Survey reports dealing with surface-water supply, the 12-month period, October 1 through September 30. The water year is designated by the calendar year in which it ends; thus, the year ending September 30, 1994, is called "water year 1994."

# PEAK-FLOW FREQUENCY ESTIMATES THROUGH 1994 FOR GAGED STREAMS IN SOUTH DAKOTA

By Michael J. Burr and Kelly L. Korkow

## ABSTRACT

Annual peak-flow data are listed for 250 continuous-record and crest-stage gaging stations in South Dakota. Peak-flow frequency estimates for selected recurrence intervals ranging from 2 to 500 years are given for 234 of these 250 stations. The log-Pearson Type III procedure was used to compute the frequency relations for the 234 stations, which in 1994 included 105 active and 129 inactive stations. The log-Pearson Type III procedure is recommended by the Hydrology Subcommittee of the Interagency Advisory Committee on Water Data, 1982, "Guidelines for Determining Flood Flow Frequency." No peak-flow frequency estimates are given for 16 of the 250 stations because: (1) of extreme variability in data set; (2) more than 20 percent of years had no flow; (3) annual peak flows represent large outflow from a spring; (4) of insufficient peak-flow record subsequent to reservoir regulation; and (5) peak-flow records were combined with records from nearby stations.

## INTRODUCTION

The South Dakota Department of Transportation has a continuing need for peak-flow information for use in the design of highway structures. The U.S. Geological Survey is completing a Statewide study of peak-flow frequency in cooperation with the Department of Transportation. Part of the study included updating and checking the Peak-Flow File of

WATSTORE (Lepkin, DeLapp, and Dempster, 1981) and developing peak-flow frequency estimates for gaging stations (Kirby, 1981). The purpose of this report is to present: (1) An updated list of peak-flow values through water year 1994; and (2) peak-flow frequency estimates, using log-Pearson Type III procedures, for South Dakota active and inactive streamflow stations with 10 or more years of annual peaks. The locations of the active stations are shown in figure 1 and the locations of the inactive stations are shown in figure 2.

Publication of a second report summarizing development and use of regression equations for computing peak-flow frequency estimates for ungaged sites is planned.

## PEAK-FLOW FREQUENCY ESTIMATES FOR GAGING STATIONS

### Log-Pearson Type III Computation for Gaging- Station Records

Peak-flow frequency estimates were determined for 105 active and 129 inactive stations using the log-Pearson Type III procedure recommended in Bulletin 17B of the Hydrology Subcommittee of the U.S. Interagency Advisory Committee on Water Data, 1982, "Guidelines for Determining Flood Flow Frequency." Peak-flow frequency estimates for all continuous-record and crest-stage gaging stations with 10 or more years of record were analyzed, and the results are listed in table 1 for selected recurrence intervals ranging from 2 to 500 years.

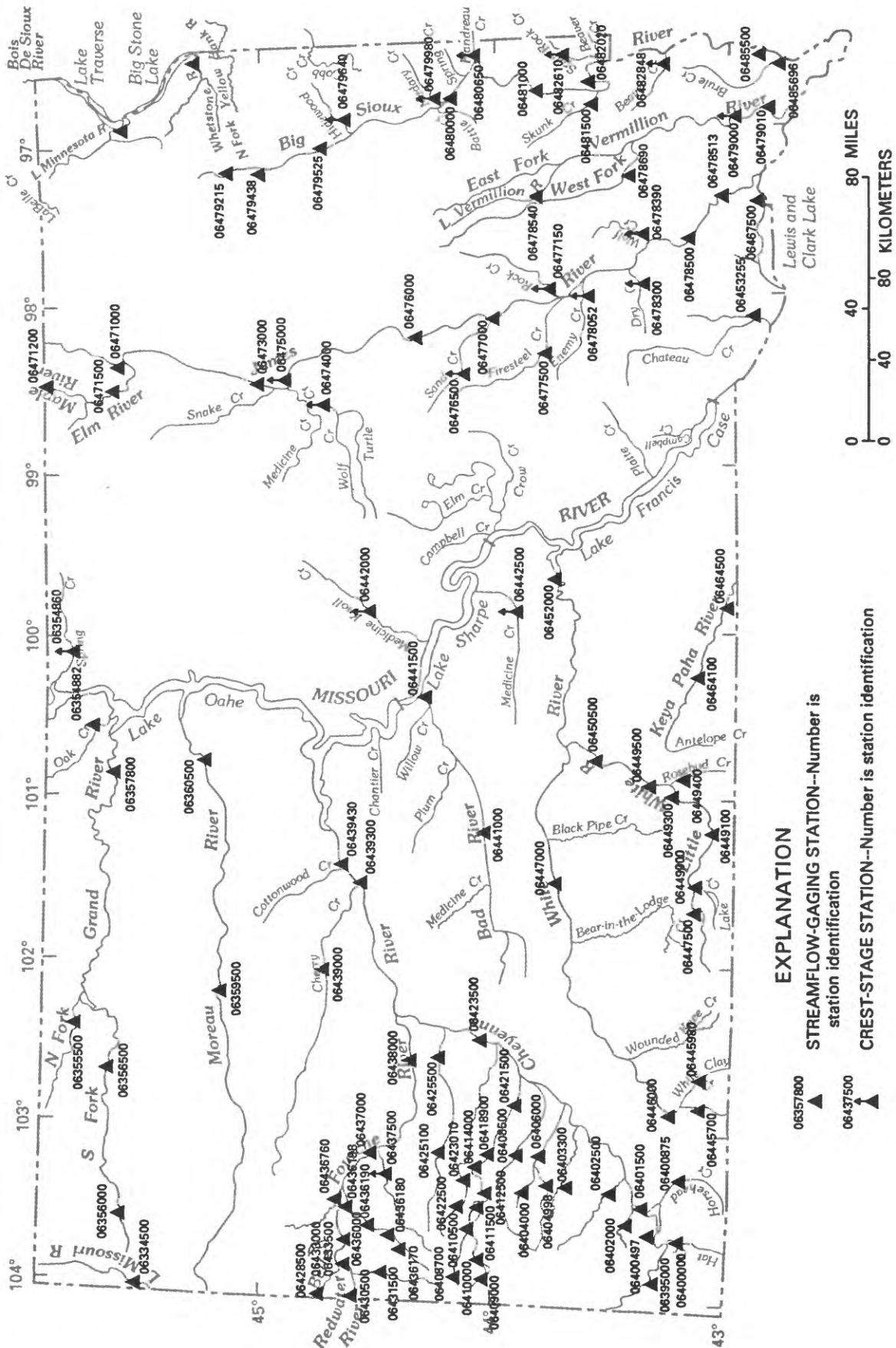
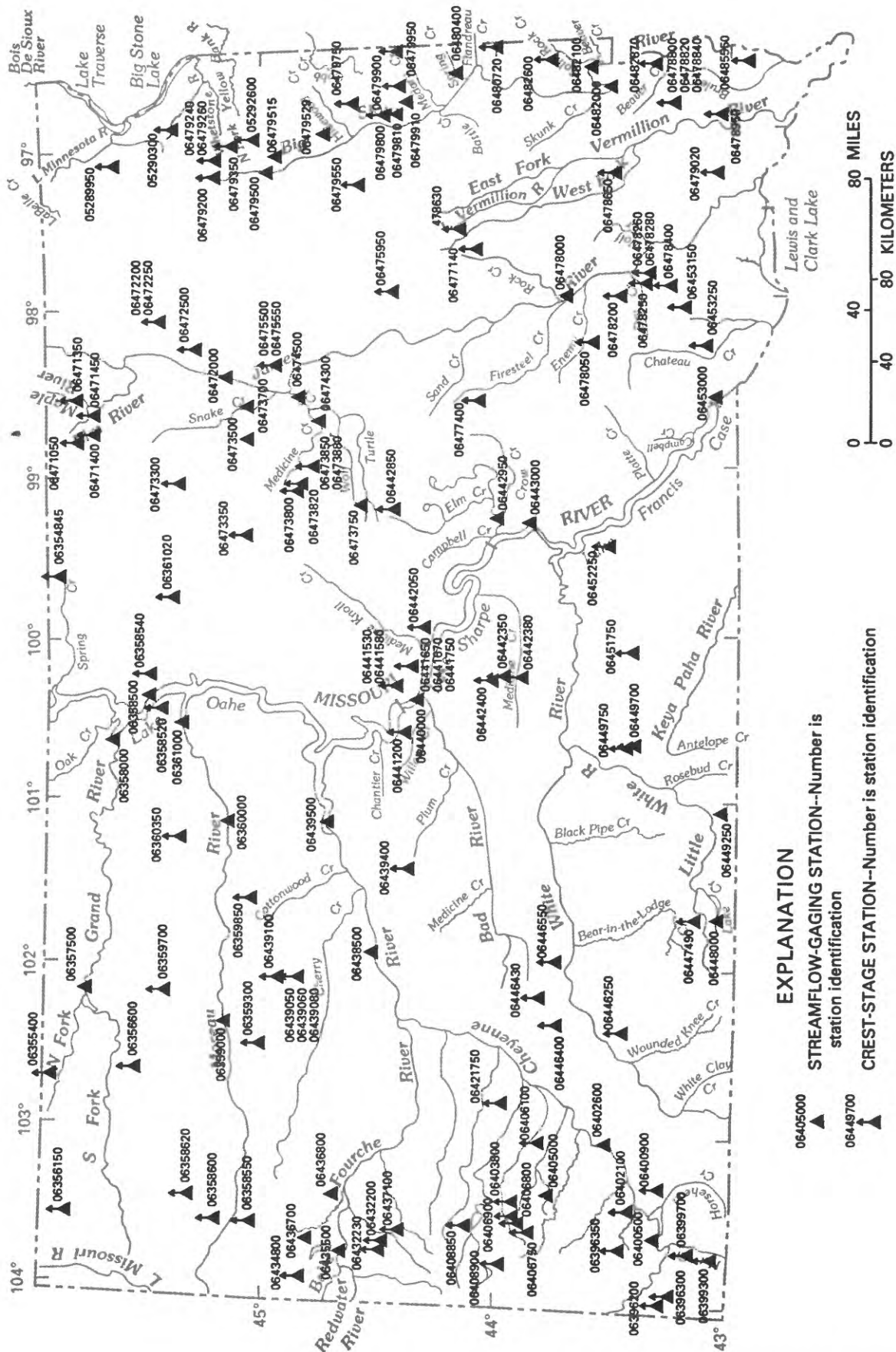


Figure 1. Location of active gaging stations with 10 or more years of peak-flow record (as of water year 1994).



**EXPLANATION**

▲ STREAMFLOW-GAGING STATION--Number is station identification

▲ CREST-STAGE STATION--Number is station identification

Figure 2. Location of inactive gaging stations with 10 or more years of peak-flow record (as of water year 1994).

Table 1. Peak-flow estimates for selected recurrence intervals for South Dakota gaging stations

Station number	Station name	Period of analysis (water years)	Contributing drainage area (square miles)	Peak flow, in cubic feet per second, for recurrence interval, in years, and annual exceedance probability, in percent												
				Years: 2	5	10	25	50	100	500	Percent: 50	20	10	4	2	1
05289950	Little Minnesota River tributary at Sisseton	1970-79	4.21	80	208	336	552	755	994	1,710						
05290000	Little Minnesota River near Peever	1940-81, 1990-94	447	742	1,820	2,880	4,670	6,350	8,360	14,500						
05290300	North Fork Whetstone River tributary near Wilmot	1970-79	.96	25	42	52	65	75	83	102						
05291000	Whetstone River near Big Stone City	1910-12, 1919, 1931-94	389	1,240	3,330	5,300	8,360	11,000	13,900	21,400						
05292600	North Fork Yellow Bank River tributary near Stockholm	1970-79	8.15	82	237	402	691	969	1,300	2,320						
06334500	Little Missouri River at Camp Crook	1956-94	1,970	2,370	4,860	6,720	9,150	11,000	12,700	16,600						
06354845	Spring Creek tributary near Greenway	1970-79	.99	25	100	192	362	530	731	1,330						
06354860	Spring Creek near Herreid	1963-86, 1989-94	220	216	752	1,340	2,340	3,260	4,310	7,200						
06354882	Oak Creek near Wakpala	1985-94	356	729	2,120	3,490	5,690	7,650	9,830	15,700						
06355400	North Fork Grand River tributary near Lodgepole	1970-79	3.07	104	264	434	743	1,060	1,450	2,790						
06355500	North Fork Grand River near White Butte	21967-94	1,190	684	1,840	3,000	4,960	6,800	8,970	15,400						
06356000	South Fork Grand River at Buffalo	1956-94	148	665	1,330	1,840	2,520	3,050	3,580	4,820						
06356150	North Jack Creek near Ludlow	1970-79	1.69	20	42	64	99	134	176	313						
06356500	South Fork Grand River near Cash	1946-94	1,350	1,430	3,350	5,290	8,700	12,100	16,300	30,100						
06356600	South Fork Grand River tributary near Bison	1970-79	1.00	36	87	134	209	277	355	576						
06357500	Grand River at Shadehill	21951-88, 1991-92	3,120	299	981	1,870	3,790	6,040	9,250	22,400						
06357800	Grand River at Little Eagle	241959-94	5,370	4,940	9,800	13,700	19,400	24,000	28,900	41,500						
06358000	Grand River near Wakpala	2341951-64	5,510	6,160	15,100	24,200	39,800	--	--	--						
06358520	Deadman Creek tributary near Mobridge	1956-80	.30	16	47	80	136	189	251	431						
06358540	Blue Blanket Creek tributary near Glenham	1970-79	.62	5.7	10	13	18	23	27	39						
06358550	Battle Creek tributary near Casile Rock	1969-79	1.57	133	304	474	771	1,060	1,420	2,590						
06358600	South Fork Moreau River tributary near Redig	1956, 1958-80	2.33	55	120	183	289	390	513	900						
06358620	Sand Creek tributary near Redig	1956, 1958-72	.06	22	34	43	56	65	76	103						

Table 1. Peak-flow estimates for selected recurrence intervals for South Dakota gaging stations—Continued

Station number	Station name	Period of analysis (water years)	Contributing drainage area (square miles)	Peak flow, in cubic feet per second, for recurrence interval, in years, and annual exceedance probability, in percent									
				Years:		2	5	10	25	50	100	500	
				Percent:	50	20	10	4	2	1	0.2		
06359000	Moreau River at Bixby	1949-73	1,570	2,740	5,580	8,040	11,800	15,200	19,000	29,600			
06359300	Deep Creek tributary near Maurine	1970-79	1.26	4.0	22	55	147	282	513	1,780			
06359500	Moreau River near Faith	1944-94	2,660	3,760	8,930	13,700	21,100	27,600	35,000	55,200			
06359700	Thunder Butte Creek tributary near Meadow	1970-79	3.00	24	70	120	209	297	403	737			
06359850	Elm Creek tributary near Dupree	1970-79	4.16	114	254	388	608	813	1,060	1,790			
06360000	Moreau River near Eagle Butte	<sup>3,4</sup> 1944-58	4,320	6,320	16,400	--	--	--	--	--			
06360350	Little Moreau River tributary near Firesteel	1970-79	2.09	14	50	93	172	250	345	639			
06360500	Moreau River near Whitehorse	<sup>4</sup> 1955-94	4,880	5,380	12,200	18,000	26,400	33,300	40,700	59,100			
06361000	Moreau River at Promise	<sup>4</sup> 1929-58	5,223	6,050	14,900	23,200	36,600	48,600	62,400	101,000			
06361020	Swan Lake tributary near Bowdle	1970-79	27.1	20	54	88	146	200	264	452			
06395000	Cheyenne River at Edgemont	<sup>5</sup> 1905, 1915-20, 1929-32, 1943-94	7,143	3,610	9,100	14,800	25,100	35,300	48,100	90,400			
06396200	Fiddle Creek near Edgemont	1956-80	.64	15	47	85	159	237	338	691			
06396300	Cottonwood Creek tributary near Edgemont	1956-80	.09	22	42	58	84	106	131	202			
06396350	Red Canyon Creek tributary near Pringle	1970-79	.20	3.2	11	21	41	63	94	212			
06399300	Hat Creek tributary near Ardmore	<sup>3</sup> 1956-59, 1961-79	3.74	39	228	569	--	--	--	--			
06399700	Piney Creek near Ardmore	1956-75	7.36	550	1,360	2,130	3,390	4,530	5,860	9,700			
06400000	Hat Creek near Edgemont	<sup>1</sup> 1905, 1951-94	1,044	636	2,140	3,920	7,280	10,700	15,100	29,300			
06400875	Horsehead Creek at Oelrichs	<sup>3</sup> 1983-94	187	46	929	4,720	--	--	--	--			
06400900	Horsehead Creek tributary near Smithwick	1969-79	1.52	6.7	24	51	116	202	338	1,010			
06401500	Cheyenne River below Angostura Dam	<sup>2,3</sup> 1950-94	9,100	839	4,030	9,200	--	--	--	--			
06402000	Fall River at Hot Springs	<sup>2</sup> 1953-94	137	229	461	664	981	1,260	1,580	2,510			
06402100	Fall River tributary at Hot Springs	1970-79	3.81	17	41	63	99	132	171	288			
06402500	Beaver Creek near Buffalo Gap	1938-94	130	73	339	841	2,400	4,960	9,820	42,900			
06402600	Cheyenne River near Buffalo Gap	<sup>2,3,4</sup> 1969-80	9,810	1,560	5,650	12,100	--	--	--	--			
06403300	French Creek above Fairburn	1982-94	105	89	207	323	523	715	948	1,690			
06403800	Battle Creek tributary near Keystone	1956-80	.63	3.3	10	25	70	143	282	1,250			
06404000	Battle Creek near Keystone	1946-47, 1962-94	66.0	201	768	1,640	3,820	6,770	11,500	35,300			

Table 1. Peak-flow estimates for selected recurrence intervals for South Dakota gaging stations—Continued

Station number	Station name	Period of analysis (water years)	Contributing drainage area (square miles)	Peak flow, in cubic feet per second, for recurrence interval, in years, and annual exceedance probability, in percent													
				Years:		5		10		25		50		100		500	
				2	50	20	20	10	10	4	4	2	2	1	1	0.2	0.2
06404998	Grace Coolidge Creek near Game Lodge, near Custer	<sup>6</sup> 1946-47, 1967-94	25.2	85	295	560	1,100	1,700	2,500	5,430							
06406000	Battle Creek at Hermosa	1950-94	178	233	961	2,020	4,440	7,390	11,700	29,500							
06406100	Battle Creek tributary near Hermosa	1970-79	3.49	17	34	50	78	105	139	253							
06406750	Sunday Gulch near Hill City	1956-69	6.56	11	39	79	167	273	426	1,050							
06406800	Newton Fork near Hill City	1969-79	8.17	20	41	60	92	121	155	257							
06406900	Palmer Creek near Hill City	1956-80	13.3	59	199	409	934	1,650	2,810	8,840							
06408500	Spring Creek near Hermosa	1950-94	199	45	336	954	2,880	5,850	11,000	39,500							
06408850	Silver Creek near Rochford	1969-79	6.23	6.5	11	15	20	24	28	40							
06408900	Heeley Creek near Hill City	1969-79	4.88	8.1	14	18	24	29	35	50							
06409000	Castle Creek above Deerfield Reservoir, near Hill City	1949-94	79.2	52	111	177	307	451	650	1,450							
06410000	Castle Creek below Deerfield Dam	<sup>2</sup> 1947-94	96.0	47	75	97	127	152	178	249							
06410500	Rapid Creek above Pactola Reservoir, at Silver City	<sup>2</sup> 1954-94	292	194	443	710	1,210	1,750	2,460	5,080							
06411500	Rapid Creek below Pactola Dam	<sup>2</sup> 1957-94	320	159	265	351	480	591	717	1,070							
06412500	Rapid Creek above Canyon Lake, near Rapid City	<sup>2</sup> 1957-94	371	195	514	931	1,880	3,070	4,900	13,700							
06414000	Rapid Creek at Rapid City	<sup>2</sup> 1957-94	410	454	1,200	2,180	4,440	7,310	11,800	33,500							
06418900	Rapid Creek below Sewage Treatment Plant, near Rapid City	<sup>3,4</sup> 1982-94	452	724	1,010	--	--	--	--	--							
06421500	Rapid Creek near Farmingdale	<sup>2</sup> 1957-58, 1960-94	602	657	1,240	1,800	2,770	3,710	4,900	8,910							
06421750	Rapid Creek tributary near Farmingdale	1970-79	1.50	7.8	17	25	39	51	66	112							
06422500	Boxelder Creek near Nemo	1946-47, 1966-94	96.0	142	559	1,270	3,270	6,330	11,800	45,700							
06423500	Cheyenne River near Wasta	<sup>2</sup> 1950-94	12,800	9,520	17,600	24,100	33,400	41,200	49,500	71,500							
06425100	Elk Creek near Rapid City	1979-94	190	343	941	1,570	2,670	3,750	5,050	9,150							
06425500	Elk Creek near Elm Springs	1950-94	540	822	3,420	6,710	13,100	19,600	27,700	53,100							
06428500	Belle Fourche River at Wyoming-South Dakota State line	<sup>2</sup> 1952-94	3,280	1,280	2,430	3,300	4,480	5,400	6,330	8,550							
06430500	Redwater Creek at Wyoming-South Dakota State line	1929-31, 1936-37, 1955-94	471	220	634	1,130	2,120	3,210	4,690	10,300							
06431500	Spearfish Creek at Spearfish	1947-94	168	217	567	1,010	1,970	3,120	4,850	12,600							
06433000	Redwater River above Belle Fourche	1946-94	920	646	1,700	3,020	5,860	9,260	14,300	36,300							



**Table 1. Peak-flow estimates for selected recurrence intervals for South Dakota gaging stations—Continued**

Station number	Station name	Period of analysis (water years)	Contributing drainage area (square miles)	Peak flow, in cubic feet per second, for recurrence interval, in years, and annual exceedance probability, in percent												
				Years: 2	5	10	25	50	100	500	Percent: 50	20	10	4	2	1
06433500	Hay Creek at Belle Fourche	1954-94	121	58	175	316	600	911	1,330	2,900						
06434800	Owl Creek tributary near Belle Fourche	1970-79	3.06	44	98	151	240	326	430	762						
06435500	Belle Fourche River near Belle Fourche	<sup>1,4</sup> 1924, 1927-43	4,310	3,310	8,360	13,500	22,400	31,000	41,400	74,400						
06436000	Belle Fourche River near Fruitdale	<sup>2</sup> 1952-94	4,540	896	4,040	8,170	16,300	24,600	34,900	66,700						
06436170	Whitewood Creek at Deadwood	<sup>4</sup> 1982-94	40.6	393	1,090	1,910	3,560	5,380	7,880	17,500						
06436180	Whitewood Creek above Whitewood	<sup>3,4</sup> 1983-94	56.3	261	618	988	--	--	--	--						
06436190	Whitewood Creek near Whitewood	<sup>4</sup> 1982-94	77.4	382	1,140	2,040	3,800	5,700	8,220	17,300						
06436198	Whitewood Creek above Vale	<sup>4</sup> 1983-94	102	392	1,120	2,000	3,780	5,770	8,520	19,200						
06436700	Indian Creek near Arpan	1962-81	315	745	2,720	5,200	10,200	15,500	22,400	46,200						
06436760	Horse Creek above Vale	<sup>3,4</sup> 1981-94	464	1,130	3,610	6,760	--	--	--	--						
06436800	Horse Creek near Vale	<sup>4</sup> 1962-80	530	1,050	2,600	4,220	7,130	10,100	13,700	26,100						
06437000	Belle Fourche River near Sturgis	<sup>2</sup> 1952-94	5,870	3,700	7,810	11,700	18,400	24,700	32,400	57,100						
06437100	Boulder Creek near Deadwood	1956-80	1.32	38	109	186	326	466	640	1,200						
06437500	Bear Butte Creek near Sturgis	1946-72, 1990-94	192	470	1,900	3,930	8,560	14,100	22,200	55,500						
06438000	Belle Fourche River near Elm Springs	<sup>2</sup> 1952-94	7,210	6,290	15,100	23,800	38,700	52,900	70,200	124,000						
06438500	Cheyenne River near Plainview	<sup>2,4</sup> 1951-81	21,600	12,600	24,400	34,600	50,500	64,600	80,800	127,000						
06439000	Cherry Creek near Plainview	1946-94	1,190	1,450	3,860	6,360	10,800	15,100	20,400	37,000						
06439050	Cherry Creek tributary near Avance	1956-80	.60	24	70	126	237	358	523	1,140						
06439060	Cherry Creek tributary No. 2 near Avance	1956-73	0.11	6.6	23	44	90	145	225	560						
06439080	Cherry Creek tributary No. 3 near Avance	1956-80	4.58	59	303	700	1,680	2,920	4,790	12,800						
06439100	Beaver Creek near Faith	1956-80	37.1	161	671	1,440	3,270	5,590	9,090	24,600						
06439300	Cheyenne River at Cherry Creek	<sup>2,4</sup> 1961-94	23,900	14,400	27,900	38,800	54,600	67,700	81,800	119,000						
06439400	Plum Creek tributary near Milesville	1970-79	.50	12	39	78	171	291	479	1,380						
06439430	Cottonwood Creek near Cherry Creek	1983-94	120	295	1,210	2,530	5,560	9,230	14,600	36,700						
06439500	Cheyenne River near Eagle Butte	<sup>2,4</sup> 1950-67	24,500	16,000	29,500	40,200	55,300	67,600	80,700	114,000						
06441000	Bad River near Midland	1946-94	1,460	2,090	5,300	8,360	13,300	17,700	22,700	36,600						
06441200	Powell Creek tributary near Fort Pierre	1970-79	.40	30	90	158	286	417	582	1,140						
06441500	Bad River near Fort Pierre	<sup>1</sup> 1905, 1927, 1929-94	3,107	5,700	13,300	20,800	33,600	45,800	60,500	107,000						
06441530	Hilgers Gulch tributary near Pierre	1968-79	1.33	29	136	288	609	962	1,430	3,010						
06441580	Hilgers Gulch at Pierre	1967-79	6.49	101	593	1,440	3,580	6,360	10,600	28,500						
06441650	Mush Creek near Pierre	1956-80	14.2	287	1,420	3,180	7,350	12,500	19,900	49,900						
06441670	Missouri River tributary near Pierre	1956-74	.42	57	177	321	606	916	1,330	2,840						

**Table 1. Peak-flow estimates for selected recurrence intervals for South Dakota gaging stations—Continued**

Station number	Station name	Period of analysis (water years)	Contributing drainage area (square miles)	Peak flow, in cubic feet per second, for recurrence interval, in years, and annual exceedance probability, in percent											
				Years:		25		50		100		500			
				2	5	10	20	4	2	1	1	0.2			
06441750	Missouri River tributary near Canning	1956-74	0.20	72	146	205	287	352	420	585					
06442000	Medicine Knoll Creek near Blunt	1950-94	317	63	451	1,230	3,480	6,730	12,100	38,700					
06442050	Missouri River tributary near De Grey	1956-80	1.73	172	459	746	1,230	1,680	2,200	3,750					
06442350	North Fork Medicine Creek near Vivian	1956-80	47.0	58	209	411	850	1,360	2,080	4,930					
06442380	Medicine Creek tributary near Vivian	1956-73	.30	32	98	177	333	503	730	1,560					
06442400	Medicine Creek tributary No. 2 near Vivian	1956-80	9.21	75	168	257	407	551	725	1,270					
06442500	Medicine Creek at Kennebec	1955-94	464	710	3,070	6,110	12,100	18,200	25,800	49,600					
06442850	Elm Creek tributary near Ree Heights	1969-79	.70	8.2	21	35	59	82	110	202					
06442950	Crow Creek near Gann Valley	1972-84	670	806	1,720	2,540	3,850	5,040	6,410	10,400					
06445700	White River at Slim Butte	<sup>3,4</sup> 1962-73, 1991-94	1,500	902	2,590	4,880	--	--	--	--					
06445980	White Clay Creek near Oglala	1966-81, 1988-94	340	143	362	595	1,020	1,440	1,980	3,780					
06446000	White River near Oglala	1944-94	2,200	858	1,690	2,400	3,490	4,430	5,490	8,460					
06446250	Porcupine Creek tributary near Rockyford	<sup>1</sup> 1968, 1970-79	1.65	240	475	675	977	1,240	1,530	2,330					
06446400	Cain Creek tributary at Imlay	1956-80	15.8	650	1,290	1,880	2,830	3,720	4,770	8,030					
06446430	White River tributary near Conata	1956-58, 1960-73	.17	110	198	274	395	505	634	1,020					
06446550	White River tributary near Interior	1956-80	.32	193	374	522	739	920	1,120	1,640					
06447000	White River near Kadoka	1942-94	5,000	8,890	14,300	18,400	23,900	28,300	32,900	44,600					
06447500	Little White River near Martin	1938-40, 1962-94	230	187	419	657	1,080	1,510	2,060	3,920					
06448000	Lake Creek above Refuge near Tuthill	1938-40, 1962-79	23.0	75	112	138	172	198	224	288					
06449000	Lake Creek below Refuge near Tuthill	<sup>2</sup> 1938-40, 1963-94	60.0	88	142	191	273	351	447	760					
06449100	Little White River near Vetal	<sup>4</sup> 1960-94	415	314	680	1,070	1,780	2,540	3,530	7,170					
06449250	Spring Creek near St. Francis	1960-74	10.0	36	53	65	80	92	105	135					
06449300	Little White River above Rosebud	<sup>3,4</sup> 1982-94	630	530	936	1,290	--	--	--	--					
06449400	Rosebud Creek at Rosebud	1975-94	50.8	71	194	345	661	1,030	1,550	3,710					
06449500	Little White River near Rosebud	1944-94	760	698	1,480	2,300	3,820	5,390	7,460	15,000					
06449700	Little Oak Creek near Mission	1956-80	2.58	32	135	306	765	1,420	2,510	8,360					
06449750	West Branch Horse Creek near Mission	1956-70	6.31	28	120	270	664	1,210	2,110	6,730					

**Table 1. Peak-flow estimates for selected recurrence intervals for South Dakota gaging stations—Continued**

Station number	Station name	Period of analysis (water years)	Contributing drainage area (square miles)	Peak flow, in cubic feet per second, for recurrence interval, in years, and annual exceedance probability, in percent												
				Years: 2	5	10	25	50	100	500	Percent: 50	20	10	4	2	1
06450500	Little White River below White River	1930-32, 1939-40, 1951-94	1,310	1,680	3,670	5,700	9,390	13,200	18,000	34,900						
06451750	Cottonwood Creek tributary near Winner	1971-80	4.00	69	142	207	307	395	496	780						
06452000	White River near Oacoma	1929-94	9,940	10,700	18,600	25,000	34,500	42,600	51,600	76,600						
06452250	Fivemile Creek tributary near Iona	1970-79	2.35	36	64	86	116	139	165	228						
06453000	Missouri River at Fort Randall Dam	2,41959-87	263,500	46,600	55,600	61,900	70,000	76,300	82,800	98,900						
06453150	Choteau Creek tributary near Tripp	1970-79	.54	30	86	147	260	374	518	994						
06453250	Choteau Creek tributary near Wagner	1970-79	15.6	34	85	139	234	329	447	836						
06453255	Choteau Creek near Avon	1983-94	602	835	2,670	4,980	9,810	15,300	22,900	52,500						
06464100	Keya Paha River near Keyapaha	41982-94	466	379	694	956	1,350	1,700	2,080	3,160						
06464500	Keya Paha River at Wewela	1939-40, 1950-94	1,070	708	1,600	2,480	4,020	5,530	7,400	13,500						
06467500	Missouri River at Yankton	2,41959-94	279,500	41,200	50,100	55,900	62,900	68,100	73,200	85,200						
06471000	James River at Columbia	21946-94	2,481	471	1,420	2,330	3,760	4,970	6,270	9,560						
06471050	Elm River tributary near Leola	1956-80	18.0	52	145	246	431	618	853	1,630						
06471200	Maple River at North Dakota-South Dakota State line	1957-94	384	374	1,300	2,390	4,430	6,480	9,040	17,200						
06471350	Maple River at Frederick	3,41956-69	423	300	1,250	2,580	--	--	--	--						
06471400	Willow Creek tributary near Leola	1956-80	6.69	16	39	62	103	145	198	379						
06471450	Willow Creek tributary near Barnard	1956-76	.26	6.5	18	30	49	67	87	145						
06471500	Elm River at Westport	21955-94	1,049	493	2,200	4,670	10,200	16,600	25,600	60,100						
06472000	James River near Stratford	3,41950-72, 1977	4,860	467	1,540	2,740	--	--	--	--						
06472200	Mud Creek tributary near Groton	1960-69, 1974-80	56.7	30	114	221	433	657	944	1,900						
06472250	Mud Creek tributary No. 2 near Groton	1960-80	75.8	38	128	233	429	626	871	1,650						
06472500	Mud Creek near Stratford	1956-73, 1977	674	50	262	587	1,330	2,190	3,380	7,780						
06473000	James River at Ashton	1946-94	5,673	591	1,430	2,250	3,650	4,980	6,580	11,500						
06473350	South Fork Snake Creek tributary near Seneca	1971-80	4.54	18	35	47	62	74	87	115						
06473500	South Fork Snake Creek near Athol	1950-73	1,695	108	635	1,580	4,140	7,660	13,300	39,800						
06473700	Snake Creek near Ashton	1956-72, 1977-79, 1985-89	2,609	206	1,070	2,370	5,280	8,630	13,200	29,800						

**Table 1.** Peak-flow estimates for selected recurrence intervals for South Dakota gaging stations—Continued

Station number	Station name	Period of analysis (water years)	Contributing drainage area (square miles)	Peak flow, in cubic feet per second, for recurrence interval, in years, and annual exceedance probability, in percent												
				Years: 2	5	10	25	50	100	500	Percent: 50	20	10	4	2	1
06473800	Matter Creek tributary near Orient	1956-71	5.41	14	96	241	612	1,090	1,790	1,790	4,640					
06473820	Shaefer Creek near Orient	1956-80	51.3	65	258	520	1,080	1,730	2,620	2,620	5,980					
06473850	Shaefer Creek tributary near Orient	1956-80	5.17	28	90	159	280	396	535	535	950					
06473880	Shaefer Creek tributary near Miller	1956-80	5.95	17	62	122	244	380	561	561	1,220					
06474000	Turtle Creek near Tulare	<sup>4</sup> 1954-56, 1966-81, 1985-94	1,124	103	925	2,650	7,610	14,500	25,300	25,300	72,700					
06474300	Medicine Creek near Zell	1960-81, 1985-89	202	120	599	1,320	2,940	4,820	7,430	7,430	17,100					
06474500	Turtle Creek at Redfield	<sup>4</sup> 1946-72	1,481	219	1,180	2,800	6,940	12,400	20,700	20,700	57,800					
06475000	James River near Redfield	1950-94	9,793	916	2,340	3,680	5,830	7,740	9,900	9,900	15,900					
06475550	Dry Run tributary near Frankfort	1967-79	4.19	16	47	83	154	229	327	327	680					
06475950	Shue Creek tributary near Yale	1968-79	6.90	12	40	72	130	186	254	254	457					
06476000	James River at Huron	1929-32, 1944-94	11,721	1,390	3,160	4,790	7,380	9,710	12,400	12,400	20,000					
06476500	Sand Creek near Alpina	1950-94	261	233	926	1,690	2,960	4,070	5,270	5,270	8,280					
06477000	James River near Forestburg	<sup>4</sup> 1950-94	13,442	1,550	4,280	7,030	11,600	15,900	20,800	20,800	35,000					
06477140	Rock Creek tributary near Roswell	1970-79	5.67	45	104	157	239	310	389	389	602					
06477150	Rock Creek near Fulton	1967-79, 1989-94	240	125	732	1,750	4,240	7,350	11,900	11,900	30,200					
06477400	Firesteel Creek tributary near Wessington Springs	1968-79	.22	18	34	46	63	77	92	92	127					
06477500	Firesteel Creek near Mount Vernon	1956-94	521	353	2,250	5,210	11,600	18,500	27,300	27,300	55,100					
06478000	James River near Mitchell	<sup>3,4</sup> 1954-58, 1966-72	14,916	1,640	3,670	5,670	--	--	--	--	--					
06478050	Enemy Creek tributary near Mount Vernon	1969-79	3.38	28	59	85	125	160	198	198	304					
06478052	Enemy Creek near Mitchell	1976-87, 1989-94	163	294	1,260	2,600	5,430	8,590	12,800	12,800	28,000					
06478200	Coffee Creek tributary near Parkston	1968-79	.81	23	45	65	96	124	156	156	250					
06478250	North Branch Dry Creek tributary near Parkston	1956-67	3.19	19	118	290	729	1,300	2,160	2,160	5,810					
06478260	North Branch Dry Creek near Parkston	1956-78	54.1	87	422	937	2,150	3,650	5,810	5,810	14,600					
06478280	South Branch Dry Creek near Parkston	1956-80	25.8	51	183	364	766	1,250	1,940	1,940	4,810					
06478300	Dry Creek near Parkston	1956-80, 1989-94	97.2	109	515	1,160	2,730	4,750	7,820	7,820	21,300					
06478390	Wolf Creek near Clayton	1976-94	396	485	2,040	4,120	8,440	13,200	19,400	19,400	41,000					

**Table 1. Peak-flow estimates for selected recurrence intervals for South Dakota gaging stations—Continued**

Station number	Station name	Period of analysis (water years)	Contributing drainage area (square miles)	Peak flow, in cubic feet per second, for recurrence interval, in years, and annual exceedance probability, in percent													
				Years:		25		50		100		500					
				2	5	10	20	4	2	1	1	2					
06478400	Lonetree Creek tributary near Kaylor	1970-79	3.65	32	54	71	94	114	135	189							
06478500	James River near Scotland	1929-94	16,505	2,150	5,460	8,900	15,000	21,100	28,700	53,500							
06478513	James River near Yankton	3,4 1982-94	16,794	3,640	10,300	17,400	--	--	--	--							
06478540	Little Vermillion River near Salem	1967-94	78.6	85	449	958	1,990	3,060	4,380	8,410							
06478630	West Fork Vermillion River near De Smet	1970-79	5.34	9.8	25	41	67	93	123	216							
06478650	West Fork Vermillion River tributary near Monroe	1969-79	2.74	39	70	96	136	171	212	329							
06478690	West Fork Vermillion River near Parker	1962-94	377	558	1,780	3,190	5,870	8,630	12,100	23,900							
06478800	Saddlerock Creek near Canton	1956-78	13.0	72	241	452	883	1,360	2,000	4,360							
06478820	Saddlerock Creek tributary near Beresford	1956-80	2.22	16	46	79	138	196	269	499							
06478840	Saddlerock Creek near Beresford	1956-70, 1972-80	23.1	65	263	556	1,260	2,140	3,480	9,430							
06478950	Ash Creek near Beresford	1969-79	5.00	237	518	758	1,110	1,410	1,730	2,570							
06479000	Vermillion River near Wakonda	2 1958-94	1,676	1,250	3,610	6,350	11,700	17,500	25,100	52,800							
06479010	Vermillion River near Vermillion	3,4 1984-94	1,808	1,890	5,340	9,360	--	--	--	--							
06479020	Smoky Run near Irene	1969-79	4.96	18	37	54	81	105	133	213							
06479200	Big Sioux River near Ortley	4 1956-68	53.8	141	394	655	1,100	1,530	2,030	3,530							
06479215	Big Sioux River near Florence	4 1984-94	67.9	292	956	1,650	2,790	3,820	4,960	8,010							
06479240	Big Sioux River tributary No. 2 near Summit	1956-73	.26	8.9	25	40	68	93	123	214							
06479260	Big Sioux River tributary No. 3 near Summit	1956-78	6.61	94	331	591	1,040	1,440	1,910	3,180							
06479350	Soo Creek tributary near South Shore	1970-79	1.56	44	129	222	388	552	754	1,400							
06479438	Big Sioux River near Watertown	4 1973-94	228	716	2,070	3,420	5,630	7,620	9,880	16,100							
06479500	Big Sioux River at Watertown	4 1946-72	350	352	790	1,190	1,830	2,410	3,070	4,980							
06479515	Willow Creek near Watertown	1972-86	110	698	1,770	2,830	4,590	6,240	8,190	14,000							
06479525	Big Sioux River near Castlewood	4 1977-94	570	788	1,450	1,950	2,630	3,170	3,720	5,060							
06479529	Stray Horse Creek near Castlewood	1969-85	74.5	832	2,320	3,910	6,790	9,660	13,200	24,800							
06479550	Dolph Creek tributary near Lake Norden	1970-79	5.91	17	33	46	63	76	90	124							
06479640	Hidewood Creek near Estelline	1969-85, 1990-94	164	905	2,340	3,830	6,480	9,100	12,300	22,800							
06479750	Peg Munky Run near Estelline	1956-80	25.2	259	793	1,340	2,250	3,060	3,980	6,480							
06479800	North Deer Creek near Estelline	1956-80	48.3	171	711	1,500	3,330	5,580	8,870	22,800							
06479810	North Deer Creek tributary near Brookings	1969-79	.33	24	79	144	268	396	559	1,110							
06479900	Sixmile Creek tributary near Brookings	1956-76	9.78	114	447	865	1,680	2,520	3,590	7,020							

**Table 1. Peak-flow estimates for selected recurrence intervals for South Dakota gaging stations—Continued**

Station number	Station name	Period of analysis (water years)	Contributing drainage area (square miles)	Peak flow, in cubic feet per second, for recurrence interval, in years, and annual exceedance probability, in percent													
				Years: 2	5	10	25	50	100	500	Percent: 50	20	10	4	2	1	0.2
0647910	Sixmile Creek near Brookings	1971-80	54.0	330	652	902	1,250	1,520	1,800	2,470							
0647950	Deer Creek near Brookings	1956-80	4.04	56	250	505	1,010	1,520	2,160	4,150							
0647980	Medary Creek near Brookings	1981-94	200	802	1,790	2,660	3,990	5,130	6,390	9,810							
0648000	Big Sioux River near Brookings	1954-94	2,419	2,470	6,590	10,600	17,100	23,000	29,800	48,700							
0648040	Spring Creek near Flandreau	1983-93	63.2	598	1,570	2,520	4,080	5,500	7,140	11,800							
06480650	Flandreau Creek above Flandreau	1982-94	100	1,020	1,890	2,510	3,290	3,850	4,400	5,600							
06480720	Bachelor Creek tributary near Wentworth	1969-79	1.03	12	34	56	92	125	162	267							
06481000	Big Sioux River near Dell Rapids	1949-94	3,004	3,190	8,230	13,100	21,000	28,100	36,300	59,400							
06481500	Skunk Creek at Sioux Falls	1949-94	613	1,330	4,140	7,310	13,100	19,000	26,200	49,500							
06482020	Big Sioux River at North Cliff Ave., at Sioux Falls	1944-94	3,729	3,600	8,240	12,800	20,700	28,300	37,700	67,600							
06482600	West Pipestone Creek tributary near Garretson	1969-79	2.16	134	433	745	1,260	1,720	2,230	3,610							
06482610	Split Rock Creek at Corson	1966-94	464	2,390	5,660	8,910	14,500	19,900	26,400	47,000							
06482848	Beaver Creek at Canton	1983-94	124	826	1,870	2,800	4,220	5,440	6,800	10,500							
06482870	Little Beaver Creek tributary near Canton	1956-73	.31	25	44	59	80	99	119	173							
06485500	Big Sioux River at Akron, IA	1929-94	6,937	9,920	22,700	34,000	51,500	66,700	83,500	129,000							
06485550	West Union Creek near Alcester	1969-79	3.48	380	924	1,430	2,220	2,920	3,710	5,870							
06485696	Brule Creek near Elk Point	1983-94	204	1,340	2,690	3,870	5,690	7,290	9,100	14,300							

<sup>1</sup> Historic peak used in analysis.

<sup>2</sup> Period of analysis represents regulated conditions.

<sup>3</sup> Peak-flow estimates for larger recurrence intervals judged unrealistic.

<sup>4</sup> User should consider peak-flow values for nearby stations before finalizing a peak-flow relation for this station.

<sup>5</sup> Period of analysis includes 1915-20 and 1943-46 data generated from adjacent station 06400500, Cheyenne River near Hot Springs, using drainage-area ratio technique.

<sup>6</sup> Period of analysis includes 1946-47 and 1967-77 data from adjacent station 06405000, Grace Coolidge Creek near Custer, combined with data from this station.

<sup>7</sup> Period of analysis includes 1944-60 data from station 06482000, Big Sioux River at Sioux Falls, and 1960-72 data from station 06482100, Big Sioux River near Brandon, combined with data from this station.

Annual peak-flow records for some stations were analyzed and adjusted for high and low outliers, and the historic peak flows are listed in tables 2-251 in the Supplemental Data section at the end of this report. In most cases, all of the annual peak values were used; however, in some cases, only a portion of the values were used. This is especially true for stations downstream of reservoirs, for which the period of record prior to reservoir regulation was excluded and only the record subsequent to reservoir regulation was included.

The peak-flow frequency estimates were computed using Program J407 of the WATSTORE User's Guide (Kirby, 1981). The peak-flow frequency estimates in this report may differ slightly from those reported in Benson and others (1985) and Hoffman and others (1986), even for inactive gaging stations that have identical periods of record. The computer program used by the U.S. Geological Survey (USGS) to perform Bulletin 17B peak-flow frequency analyses was modified in February 1994 to include an improved interpolation method for determining peak-flow frequency ordinates when a given peak-flow record contains low outliers, zero flows, or flows below the gage base (William Kirby, U.S. Geological Survey, written commun., 1996). Both versions of the USGS program technically conform to Bulletin 17B guidelines, but the new version is considered to be an improvement. When discrepancies do exist in peak-flow frequency estimates between the two versions, the differences generally are small for South Dakota stations and typically are within 5 percent.

Peak-flow frequency estimates are presented in table 1 for recurrence intervals of 2, 5, 10, 25, 50, 100, and 500 years. Peak-flow frequency estimates are not listed in table 1 for nine stations (06400497, Cascade Springs near Hot Springs; 06408700, Rhoads Fork near Rochford; 06423010, Boxelder Creek near Rapid City; 06432200, Polo Creek near Whitewood; 06432230, Miller Creek near Whitewood; 06447490, Little White River tributary near Martin; 06473300, Preachers Run tributary at Ipswich; 06473750, Wolf Creek near Ree Heights; and 06475500, Dry Run near Frankfort) because these stations had an extremely variable data set, had more than 20 percent of years with no flow, or the annual peak-flow values represent large outflow from a spring. Peak-flow frequency

estimates are not listed in table 1 for three stations on the Missouri River (06358500, near Mobridge; 06440000, at Pierre; and 06443300, at Chamberlain) because of insufficient peak-flow record subsequent to reservoir regulation. Peak-flow frequency estimates are not listed in table 1 for four stations (06400500, Cheyenne River near Hot Springs; 06405000, Grace Coolidge Creek near Custer; 06482000, Big Sioux River at Sioux Falls; and 06482100, Big Sioux River near Brandon) because the peak-flow records were combined with those from nearby stations to increase the length of record used in the frequency analyses. For some other stations, peak-flow frequency estimates for the larger recurrence intervals are not given because they were judged to be unrealistic. The user also needs to realize that peak-flow frequency estimates for other stations listed in table 1 may not be representative of long-term conditions, especially for stations with only 10 years of record.

### **Methods for Adjusting Peak-Flow Frequency Estimates Using Records for Nearby Stations**

It is common practice to consider peak-flow data from upstream or downstream gaging stations when determining the final peak-flow frequency estimate for a site with one or more nearby stations on the same stream. Two methods to consider are presented below.

#### **Drainage-Area Ratio Technique**

One method for transferring peak-flow frequency estimates for gaging stations to ungaged sites near gaging stations on the same stream is by using the drainage-area ratio technique. The peak-flow values defined for the gaging station are multiplied by a drainage-area ratio raised to an exponent. The ratio is the drainage area for the ungaged site divided by the drainage area for the nearby gaging station for which a frequency estimate is available. The exponent used generally is 0.5 or the exponent for the drainage area in the regional equation developed by regression analysis, such as the new equations planned to be developed as the other part of the Statewide peak-flow frequency study.

The following equation can be used to determine T-year peak-flow values for an ungaged site located near a gaging station on the same stream. This equation should be used only when the contributing drainage area for the ungaged site is within about 75 to 150 percent of the contributing drainage area for the gaging station. Otherwise, regional regression equations developed for estimating peak-flow frequency estimates for ungaged sites should be used:

$$Q_{T(u)} = Q_{T(g)} (A_u/A_g)^x$$

where

$Q_{T(u)}$  = peak flow, in cubic feet per second, for the ungaged site for a recurrence interval of T-years;

$Q_{T(g)}$  = peak flow, in cubic feet per second, for the gaging station for a recurrence interval of T-years;

$A_u$  = contributing drainage area, in square miles, for the ungaged site;

$A_g$  = contributing drainage area, in square miles, for the gaging station; and

$x$  = mean exponent for the appropriate hydrologic region for a set of regression equations developed to estimate peak-flow frequency relations at ungaged sites. Generally, 0.5 can be used as a good approximation of  $x$ .

### Combining Records for Two or More Nearby Gaging Stations

Different periods of record for two or more gaging stations on the same stream can result in peak-flow frequency estimates for a station that are not realistic when compared to estimates computed for stations either upstream or downstream. Many gaging stations listed in table 1 fit into this category including those for Belle Fourche, Big Sioux, Cheyenne, Grand, James, Keya Paha, Little White, Maple, Missouri, Moreau, Vermillion, and White Rivers, and Rapid, Horse, Turtle, and Whitewood Creeks. Some specific examples include: two stations on the James River (06478500 and 06478513); two stations on the Vermillion River (06479000 and 06479010); three gaging stations on Rapid Creek (06414000, 06418900,

and 06421500); and four stations on Whitewood Creek (06436170, 06436180, 06436190, and 06436198). In these instances, the user may want to use the drainage-area ratio technique to transfer the peak-flow frequency estimate from the longer term station to the station with the shorter period of record. In other cases, the user may want to combine the records for two or more stations using routing techniques such as the drainage-area ratio technique or by relating peak flows at one station to peak flows at the other station using regression techniques. In many cases, combining the peak-flow records increases the length of record, and fitting a log-Pearson Type III distribution to the combined record can provide more reliable values of peak-flow frequency estimates. Records were combined in table 1 for three streams, Grace Coolidge Creek (06404998 and 06405000), Cheyenne River (06395000 and 06400500), and Big Sioux River (06482000, 06482020, and 06482100), because of drainage-area similarities. The degree of uncertainty associated with the peak-flow frequency estimates generally decreases as the length of the record increases.

### ANNUAL AND PARTIAL-DURATION SERIES PEAK-FLOW VALUES FOR GAGING STATIONS

The peak-flow values for 250 active and inactive gaging stations operated by the U.S. Geological Survey in South Dakota are presented in tables 2-251 in the Supplemental Data section. These stations include 125 continuous-record and 125 crest-stage stations. Annual peak-flow values, as well as peak-flow values above a selected base for many stations not appreciably affected by regulation, are given for all stations with 10 or more years of annual peak values. Including all of the peak-flow values that exceed a chosen base discharge, regardless of the number of peaks occurring in a year, would allow the user to analyze the "partial-duration flood series" (Dalrymple, 1960, p. 10). However, the partial-duration flood series was not considered in computing the peak-flow frequency estimates presented in table 1.



## SELECTED REFERENCES

- Becker, L.D., 1974, A method of estimating magnitude and frequency of floods in South Dakota: U.S. Geological Survey Water-Resources Investigations Report 35-74, 78 p.
- 1980, Techniques for estimating flood peaks, volumes, and hydrographs on small streams in South Dakota: U.S. Geological Survey Water-Resources Investigations Report 80-80, 82 p.
- 1982, Magnitude and frequency of floods from selected drainage basins in South Dakota: U.S. Geological Survey Water-Resources Investigations Report 82-31, 90 p.
- Benson, R.D., Hoffman, E.B., and Wipf, V.J., 1985, Analyses of flood-flow frequency for selected gaging stations in South Dakota: U.S. Geological Survey Water-Resources Investigations Report 85-4217, 202 p.
- Dalrymple, Tate, 1960, Flood-frequency analyses: U.S. Geological Survey Water-Supply Paper 1543-A, 80 p.
- Hoffman, E.B., Freese, M.E., and Winter, D.R., 1986, Analyses of flood-flow frequency for selected gaging stations in South Dakota through September 1985: U.S. Geological Survey Open-File Report 86-496, 137 p.
- Kirby, William, 1981, Annual flood frequency analysis using U.S. Water Resources Council guidelines (Program J407): U.S. Geological Survey WATSTORE User's Guide, v. 4, chap. I, sec. C, 57 p.
- Langbein, W.B., and Iseri, K.T., 1960, General introduction and hydrologic definitions: U.S. Geological Survey Water-Supply Paper 1541-A, 29 p.
- Lepkin, W.D., DeLapp, M.M., and Dempster, G.R., Jr., 1981, Peak flow file input and update (Program J979): U.S. Geological Survey WATSTORE User's Guide, v. 4, chap. I, sec. A, 62 p.
- U.S. Interagency Advisory Committee on Water Data, 1982, Guidelines for determining flood flow frequency, Bulletin 17B of the Hydrology Subcommittee: Reston, Va., U.S. Geological Survey, Office of Water Data Coordination, [183 p.].



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## SUPPLEMENTAL DATA

(Peak-discharge and gage-height qualification codes for the following tables are found on page ix)

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**Table 2.** Station 05289950, Little Minnesota River tributary at Sisseton, South Dakota

Station locator Latitude Longitude  
 453938 0970421  
 Drainage area: Contributing drainage area: 4.21 mi<sup>2</sup>  
 4.21 mi<sup>2</sup>  
 Gage datum: Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1970	04-27-70	16.00		4.25						0
1971	06-29-71	228.00		8.54						0
1972	03-16-72	175.00		10.22	1					0
1973	05-24-73	83.00		6.06						0
1974	03-03-74	20.00		8.24	1					0
1975	06-21-75	44.00		5.10						0
1976	03-20-76	30.00		9.85	1					0
1977	06-16-77	40.00		4.99						0
1978	07-01-78	315.00		9.78						0
1979	06-20-79	393.00		10.90						0

**Table 3. Station 05290000, Little Minnesota River near Peever, South Dakota**

Station locator: 447 mi<sup>2</sup>  
 Latitude Longitude: 447 mi<sup>2</sup>  
 Drainage area: 447 mi<sup>2</sup>  
 Contributing drainage area: 447 mi<sup>2</sup>  
 Gage datum: 1,002.20 ft above sea level  
 Base discharge: 450 ft<sup>3</sup>/s

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1940	03-30-40	442.00		5.65	1					0
1941	06-23-41	714.00		5.72						0
1942	06-07-42	2,960.00		9.80						0
1943	03-25-43	4,320.00		13.35	1					0
1944	05-04-44	515.00		4.89	2		6.40	04-06-44	1	0
1945	06-01-45	1,120.00		6.60	2		7.49	03-13-45	1	0
1946	03-21-46	1,040.00		6.35	2		7.58	03-20-46	1	0
1947	04-11-47	2,780.00		9.51						0
1948	03-24-48	1,410.00		8.84	1					1
	04-05-48	530.00								
1949	04-02-49	395.00		4.69	2		5.64	03-05-49	1	0
1950	04-08-50	1,200.00					13.05	04-01-50		0
1951	04-04-51	1,320.00	2	6.95	2		7.10	04-04-51	1	0
1952	04-08-52	4,730.00		12.16						0
1953	06-16-53	818.00		5.57	2		5.64	03-18-53	1	0
1954	05-27-54	2,300.00		8.55						1
	05-31-54	1,710.00		7.48						
1955	04-02-55	156.00		3.95	1,2		4.56	03-31-55	1	0
1956	04-15-56	226.00		3.82	2		4.32	04-06-56	1	0
1957	05-22-57	697.00		5.77	2		7.30	03-22-57	1	1
	05-29-57	622.00		5.54						
1958	04-09-58	625.00		5.55	2		7.63	02-28-58	1	0
1959	06-27-59	340.00		4.51						0
1960	04-07-60	1,050.00		6.74						2
	03-28-60	930.00		6.45						
	04-13-60	790.00		6.10						
1961	05-19-61	64.00		3.10	2		3.93	03-04-61	1	0
1962	05-23-62	3,140.00		9.89						8
	03-30-62	930.00		7.20	1					
	04-06-62	1,660.00		7.60						
	05-17-62	1,100.00		6.50						
	05-19-62	1,110.00		6.53						
	05-30-62	741.00		5.69						
	06-09-62	1,100.00		6.52						
	07-08-62	1,730.00		7.72						
	07-20-62	1,680.00		7.65						
1963	06-10-63	1,183.00		3.68						0
1964	04-17-64	236.00		3.89	2		5.39	04-03-64	1	0

**Table 3. Station 05290000, Little Minnesota River near Peever, South Dakota—Continued**

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1965	06-02-65	2,920.00		9.46	2		9.48	05-21-65	1	3
	04-12-65	920.00		6.27						
	05-21-65	2,880.00		9.48						
	05-25-65	1,160.00		6.55						
	03-18-66	1,410.00		7.16	2		11.82	03-13-66	1	0
1966	03-26-67	472.00		5.20	1,2		5.56	03-10-67		0
	05-09-68	152.00		3.55						0
1968	04-06-69	3,270.00		11.31						1
	05-17-69	880.00		6.01						0
1970	04-07-70	371.00		4.49						0
1971	06-30-71	595.00		5.25	2		7.66	03-14-71	1	0
1972	03-16-72	2,180.00		9.05						3
	05-14-72	1,100.00		6.63						
1973	05-25-72	467.00		4.81						
	05-29-72	490.00		4.90						
1974	05-25-73	352.00		4.41						0
	03-05-74	368.00		5.52	1					0
1975	06-21-75	352.00		4.38						0
1976	03-21-76	2,960.00		11.03						0
1977	03-31-77	161.00		3.79	2		4.57	03-16-77	1	0
	03-28-78	2,140.00		8.90	2		10.73	03-23-78	1	5
1978	03-23-78	1,860.00		10.73	1					
	04-01-78	1,620.00		7.49						
1979	04-07-78	812.00		5.61						
	07-01-78	724.00		5.59						
1979	07-08-78	533.00		4.98						
	04-19-79	1,810.00		8.23	2		9.62	04-13-79	1	3
1979	04-13-79	1,620.00		9.62	1					
	04-19-79	1,810.00		8.23						
1980	06-20-79	1,640.00		7.86						
	03-31-80	490.00		5.02	1					0
1981	06-15-81	17.00		3.04						0
1990	03-13-90	339.00		5.12	1					0
	06-22-91	891.00		5.77						3
1991	07-04-91	513.00		4.78						
	07-23-91	548.00		4.87						
1992	07-28-91	639.00		5.09						
	07-13-92	271.00		4.03						0
1993	07-25-93	8,900.00		13.58						4
	04-01-93	836.00		5.61						
1994	06-27-93	597.00		4.99						
	07-11-93	528.00		4.82						
1994	07-18-93	884.00		5.75						
	03-21-94	874.00		5.41						
1994	03-10-94	500.00								
	04-27-94	674.00	2	5.01						

**Table 4. Station 05290300, North Fork Whetstone River tributary near Wilmot, South Dakota**

Station locator                      Drainage area:                      0.96 mi<sup>2</sup>  
 Latitude Longitude                      Contributing  
    drainage area:                      0.96 mi<sup>2</sup>  
 452602 0965733                      Gage datum:  
    Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1970	06-15-70	24.00		3.66						0
1971	06-29-71	36.00		4.06						0
1972	07-26-72	28.00		3.82						0
1973	03-14-73	40.00		7.71	1					0
1974	03-03-74	8.00		4.92	1					0
1975	05-07-75	15.00		3.56	1					0
1976	03-20-76	8.00		7.09	1					0
1977	07-30-77	29.00		3.86						0
1978	06-30-78	37.00		4.10						0
1979	06-20-79	53.00		4.55						0

**Table 5. Station 05291000, Whetstone River near Big Stone City, South Dakota**

Station locator Latitude Longitude  
 451732 0962914  
 Drainage area: 389 mi<sup>2</sup>  
 Contributing drainage area: 389 mi<sup>2</sup>  
 Gage datum: 996.96 ft above sea level  
 Base discharge: 200 ft<sup>3</sup>/s

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1910	03-08-10	2,070.00								0
1911	03-19-11	52.00								0
1912	04-15-12	507.00								0
1919	06- -19	29,000.00	7	26.00		1910				0
1931	05-28-31	1,320.00		7.10						0
1932	03-01-32	244.00		5.70	1					0
1933	06-06-33	45.00		2.84	2		3.84	03-02-33	1	0
1934	06-09-34	90.00		3.32	2		4.60	03-19-34	1	0
1935	06-18-35	391.00		4.60	2		7.65	03-05-35	1	0
1936	03-22-36	422.00		5.18	2		5.96	03-10-36	1	0
1937	05-21-37	2,900.00		10.10						0
1938	03-14-38	234.00		6.00	1					0
1939	03-23-39	1,500.00		8.70	1					0
1940	03-31-40	1,040.00		7.89	2		7.95	03-30-40	1	0
1941	04-10-41	244.00		4.24	2		5.05	03-12-41	1	0
1942	06-07-42	3,740.00		11.50						0
1943	03-25-43	5,140.00		13.50						0
1944	06-02-44	1,010.00		6.31	2		8.08	03-25-44	1	0
1945	06-02-45	2,770.00		9.87						0
1946	03-22-46	1,160.00		7.28	2		7.94	03-15-46	1	0
1947	04-11-47	5,500.00		13.95						0
1948	03-25-48	3,370.00		10.87						0
1949	07-09-49	344.00		4.31	2		6.71	03-05-49	1	1
	03-29-49	332.00								
1950	04-01-50	1,260.00		7.35	2		9.49	03-27-50	1	1
	04-16-50	778.00								
1951	04-05-51	1,100.00	2,B	8.94	2		9.19	04-04-51	1	2
	04-15-51	211.00		3.70						
	06-04-51	227.00		3.78						
1952	04-08-52	5,710.00		13.64						3
	04-04-52	4,530.00		12.07						
	04-14-52	1,400.00		7.20						
	06-29-52	1,200.00		6.75						
1953	06-24-53	1,110.00		6.56	2		6.94	03-19-53	1	3
	03-20-53	238.00		6.24						
	04-27-53	212.00		3.71						
	05-02-53	457.00		4.73						
1954	06-07-54	3,330.00		10.46						4
	04-07-54	214.00		3.82						
	04-28-54	432.00		4.64						



Table 5. Station 05291000, Whetstone River near Big Stone City, South Dakota—Continued

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1954	05-06-54	206.00		3.68						
	05-31-54	962.00		6.13						
	03-12-55	570.00		6.62	1,2		6.98	03-11-55	1	0
	04-06-56	429.00		5.22	1,2		5.33	04-05-56	1	2
	04-12-56	200.00		3.85	1					
	06-19-56	322.00		4.21						
1957	05-21-57	3,680.00		10.94						7
	03-22-57	500.00	8							
	04-21-57	1,300.00		6.89						
	05-15-57	882.00		5.88						
	05-26-57	2,540.00		9.34						
	06-14-57	636.00		5.33						
	06-23-57	365.00		4.50						
	09-01-57	280.00		4.18						
	04-07-58	998.00		6.27	2		6.92	02-28-58	1	4
	02--58	461.00	B	6.92						
1958	03-26-58	506.00		4.96						
	10-25-57	242.00		4.03						
	11-04-57	230.00		3.98						
	03-23-59	70.00		3.69	2		3.84	03-15-59	1	0
	04-06-60	1,560.00		8.00	2		8.25	03-29-60	1	1
	03-29-60	738.00		8.25	1					
	05-19-61	300.00		4.26	2		4.68	02-22-61	1	0
	03-29-62	2,900.00		10.38	1,2		10.43	03-29-62	1	10
	04-06-62	1,400.00		7.57						
	05-18-62	1,500.00		7.77						
1959	05-23-62	2,510.00		9.63						
	05-31-62	688.00		5.81						
	06-09-62	1,980.00		8.74						
	06-17-62	1,480.00		7.75						
	06-30-62	434.00		5.04						
	07-03-62	380.00		4.85						
	07-07-62	2,530.00		9.66						
	07-20-62	2,000.00		8.44						
	07-28-63	1,600.00		7.85						3
	03-25-63	398.00		6.99	1					
1963	06-03-63	367.00		4.51						
	06-11-63	263.00		4.25						
	04-03-64	701.00		8.61	1					2
	04-07-64	466.00		4.84						
	04-14-64	293.00		4.19						
	04-06-65	1,740.00		8.57	1					2
1964	05-16-65	218.00		3.87						
	05-24-65	1,100.00		6.63						
	03-14-66	2,600.00		9.42	2		9.97	03-13-66	1	1
	03-18-66	1,120.00		6.77						

**Table 5. Station 05291000, Whetstone River near Big Stone City, South Dakota—Continued**

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1967	03-31-67	475.00		5.18	2		8.30	03-11-67	1	0
1968	04-24-68	153.00		3.67	2		4.12	03-11-68	1	0
1969	04-08-69	6,870.00		14.32						2
	05-05-69	331.00		4.30						
	05-17-69	1,040.00		6.71						
1970	03-04-70	1,500.00	2,B	7.60	5					2
	04-07-70	564.00		5.28						
	04-21-70	465.00		4.90						
1971	06-30-71	2,540.00		9.94						3
	03-14-71	2,210.00		9.36	1					
	06-02-71	934.00		6.40						
	07-08-71	438.00		4.77						
1972	03-16-72	2,930.00	2	10.24	1					11
	03-22-72	1,960.00		8.43						
	04-13-72	2,330.00		8.96						
	04-23-72	319.00		4.21						
	05-02-72	1,040.00		6.65						
	05-14-72	2,520.00		9.26						
	05-26-72	818.00		6.11						
	05-29-72	1,890.00		8.36						
	06-20-72	732.00		5.84						
	07-09-72	380.00		4.56						
	07-26-72	530.00		5.16						
	11-18-71	290.00		4.13						
1973	05-25-73	2,470.00		9.23						3
	03-15-73	967.00		6.53						
	03-26-73	210.00		3.61						
	05-03-73	217.00		3.66						
1974	03-05-74	373.00		5.63	1					1
	04-03-74	268.00		3.94						
1975	04-19-75	1,000.00		6.67	1					1
	04-28-75	408.00		4.58						
1976	03-21-76	675.00		6.81	1					0
1977	03-14-77	717.00		6.64	1					1
	03-31-77	351.00		4.58						
1978	03-23-78	3,850.00		11.50	1					10
	03-28-78	2,530.00		10.10	1					
	04-01-78	2,020.00		8.77						
	04-08-78	854.00		6.44						
	04-20-78	480.00		5.06						
	04-25-78	1,260.00		7.21						
	05-09-78	342.00		4.64						
	05-30-78	975.00		6.94						
	07-02-78	576.00		5.62						
	07-10-78	222.00		3.92						
	08-29-78	390.00		4.87						

Table 5. Station 05291000, Whetstone River near Big Stone City, South Dakota—Continued

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1979	04-13-79	4,210.00		12.11	1					5
	03-22-79	1,140.00		9.17	1					
	03-31-79	1,550.00		8.55	1					
	04-13-79	4,210.00		12.11	1					
	04-20-79	1,900.00		8.77	1					
	06-21-79	1,110.00		7.50	1					
	03-20-80	774.00		6.79	1					1
	03-31-80	415.00		5.92	1					1
	07-25-81	425.00		5.01						1
	06-14-81	385.00		4.85						0
1982	03-31-82	3,450.00		10.97	1					1
	04-01-83	1,400.00		7.75						1
1983	03-16-83	286.00		4.01						5
	06-16-84	4,850.00		12.42						
1984	02-17-84	344.00		5.06	1					
	02-25-84	549.00		6.48	1					
1984	03-26-84	1,420.00		7.50						
	04-13-84	784.00		6.26						
1984	06-12-84	268.00		4.21						1
	03-19-85	3,900.00		11.13						
1985	04-25-85	241.00		3.78						
	04-15-86	4,730.00		11.89						11
1986	03-09-86	296.00		4.96	1					
	03-18-86	575.00		6.17	1					
1986	03-24-86	3,260.00		10.46						
	03-29-86	1,840.00		8.27						
1986	04-05-86	1,210.00		7.00						
	04-19-86	2,350.00		9.13						
1986	04-29-86	593.00		5.32						
	05-10-86	2,380.00		9.18						
1986	05-27-86	274.00		4.03						
	06-12-86	1,440.00		7.49						
1987	07-18-86	234.00		3.80						
	03-26-87	294.00		4.08	2		4.23	03-06-87	1	1
1988	03-21-87	244.00		3.83						
	03-26-88	249.00		4.15	1					0
1989	03-27-89	3,490.00		10.76	2		10.88	03-26-89	1	3
	03-14-89	370.00		5.84	1					
1989	03-25-89	2,290.00		9.97	1					
	04-29-89	423.00		4.72						
1990	03-14-90	286.00		4.19	1					0

Table 5. Station 05291000, Whetstone River near Big Stone City, South Dakota—Continued

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks	
1991	08-03-91	3,270.00		10.40						6	
	06-05-91	937.00		6.57							
	06-22-91	633.00		5.54							
	07-02-91	2,070.00		8.68							
	07-23-91	777.00		5.84							
	08-09-91	633.00		5.36							
	09-11-91	270.00		3.91							
	06-18-92	1,680.00		7.97							
	02-29-92	602.00		5.50							
	03-08-92	225.00		3.77	1						
1992	07-02-92	658.00		5.53						3	
	07-18-93	3,890.00		11.25							
	03-09-93	256.00									
	03-29-93	1,210.00	1,9	7.00							
	04-01-93	1,470.00		7.56							
	04-12-93	571.00		5.25							
	04-16-93	811.00		5.99							
	05-10-93	384.00		4.54							
	06-21-93	540.00		5.14							
	07-01-93	580.00		5.28							
1993	07-05-93	2,880.00		9.93						11	
	07-10-93	769.00		5.87							
	07-26-93	2,520.00		9.40							
	07-08-94	3,980.00		11.14							
	03-06-94	1,200.00									
	03-15-94	1,510.00									
	03-22-94	814.00		7.43							
	04-03-94	280.00		5.76							
	04-10-94	239.00		3.72							
	04-16-94	312.00		3.46							
1994	04-27-94	1,800.00		7.98						12	
	04-30-94	1,260.00		6.87							
	05-16-94	215.00		3.48							
	06-18-94	528.00		4.93							
	07-14-94	1,460.00		7.31							
	07-19-94	1,280.00		6.94							

**Table 6.** Station 05292600, North Fork Yellow Bank River tributary near Stockholm, South Dakota

Station locator Latitude Longitude  
 450628 0964919  
 Drainage area: 8.15 mi<sup>2</sup>  
 Contributing drainage area: 8.15 mi<sup>2</sup>  
 Gage datum:  
 Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1970	04-19-70	52.00		4.64						0
1971	06-29-71	510.00		10.44						0
1972	04-12-72	290.00		8.05						0
1973	03-14-73	101.00		5.58						0
1974	03-03-74	15.00		4.44	1					0
1975	04-15-75	20.00		4.33	1					0
1976	03-20-76	13.00		5.69	1					0
1977	06-16-77	349.00		8.71						0
1978	05-29-78	68.00		4.96						0
1979	06-20-79	105.00		5.65						0

Table 7. Station 06334500, Little Missouri River at Camp Crook, South Dakota

Station locator  
 Latitude Longitude  
 453249 1035823

Drainage area: 1,970 mi<sup>2</sup>  
 Contributing drainage area: 1,970 mi<sup>2</sup>  
 Gage datum: 3,108.98 ft above sea level  
 Base discharge: 1,000 ft<sup>3</sup>/s

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1952	-52						18.00	03-31-52	1	0
1956	07-05-56	3210.00	5	10.80						0
1957	08-31-57	2,080.00	5	8.95						1
	06-24-57	1,350.00	5	7.30						
1958	07-03-58	1,200.00	5	7.17						1
	06-09-58	1,120.00	5	6.94						
1959	03-21-59	2,350.00	5	9.70						0
1960	03-22-60	3,360.00	5	11.27						2
	06-11-60	2,340.00	5	9.46						
	08-20-60	1,040.00	5	6.88						
1961	09-24-61	359.00	5	4.65	2		4.73	09-15-61	1	0
1962	05-28-62	7,600.00	5	15.07						2
	03-24-62	2,980.00	5	10.35						
	06-06-62	1,410.00	5	7.60						
1963	06-16-63	3,420.00	5	11.25						7
	02-12-63	1,080.00	5							
	03-03-63	1,210.00	5	11.27	1					
	05-29-63	1,430.00	5	7.22						
	06-06-63	1,670.00	5	7.76						
	06-09-63	1,870.00	5	8.21						
	06-23-63	1,090.00	5	6.29						
	09-05-63	1,080.00	5	6.52						
1964	06-11-64	1,440.00	5	7.10						2
	06-25-64	1,240.00	5	6.55						
	08-24-64	1,300.00	5	6.83						
1965	04-07-65	4,000.00	5	12.91	1					5
	04-12-65	1,060.00	5	6.31						
	05-10-65	1,030.00	5	6.14						
	06-03-65	1,090.00	5	6.25						
	07-04-65	1,040.00	5	6.13						
	08-25-65	1,810.00	5	7.94						
1966	03-16-66	1,850.00	5	9.53	1					0
1967	05-08-67	5,600.00	5	13.48						2
	06-10-67	3,700.00	5	11.66						
	06-15-67	3,330.00	5	11.14						
1968	03-04-68	1,570.00	5	9.96	1					0
1969	03-25-69	3,660.00	5				12.31	03-24-69	1	3
	04-02-69	1,380.00	5	7.75						
	07-21-69	2,800.00	5	10.10						
	07-26-69	1,230.00	5	6.64						

Table 7. Station 06334500, Little Missouri River at Camp Crook, South Dakota—Continued

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest gage height since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1970	04-13-70	1,370.00	5	7.26	2		7.90	03-28-70	1	1
	06-02-70	1,270.00	5	7.09						
1971	06-05-71	4,440.00	5	12.52						7
	03-16-71	2,450.00	5							
1972	03-29-71	3,960.00	5	12.36						
	04-12-71	1,150.00	5	6.92						
1973	04-23-71	1,650.00	5	8.24						
	05-26-71	1,070.00	5	6.57						
1974	06-14-71	2,100.00	5	9.33						
	09-07-71	1,250.00	5	7.22						
1975	03-09-72	3,720.00	5	11.59	2	11.65		10-05-71		4
	10-05-71	3,130.00	5	11.65						
1976	10-20-71	1,570.00	5	7.72						
	02-29-72	1,400.00	5							
1977	05-12-72	1,580.00	5	7.44						
	06-21-73	1,790.00	5	8.63						2
1978	04-24-73	1,200.00	5	7.09						
	06-05-73	1,120.00	5	6.85						
1979	04-24-74	904.00	5	6.25						0
	05-07-75	8,460.00	5	15.98	2	16.43		03-20-75	1	3
1980	04-10-75	1,230.00	5	7.16						
	05-24-75	1,370.00	5	7.53						
1981	06-30-75	1,500.00	5							
	06-16-76	4,800.00	5	13.22						0
1982	04-10-77	1,830.00	5	8.69						0
	03-24-78	9,420.00	5	16.90						5
1983	10-03-77	1,760.00	5	8.00						
	10-09-77	3,390.00	5	10.74						
1984	05-09-78	4,560.00	5	12.32						
	05-24-78	2,770.00	5	9.96						
1985	06-01-78	2,720.00	5	9.89						
	03-27-79	2,590.00	5					03-21-79	1	0
1986	06-17-80	58.00	5	3.19	2	5.36		03-19-80	1	0
	07-28-81	692.00	5	5.88						0
1987	05-21-82	6,810.00	5	15.85						0
	05-17-82	4,460.00	5	13.16						3
1988	05-30-82	1,210.00	5	7.57						
	06-07-82	1,700.00	5	8.78						
1989	02-18-83	3,020.00	5	10.35						2
	10-12-82	2,480.00	5	9.47						
1990	03-15-83	1,260.00	5	7.23						
	05-05-84	3,000.00	5	10.84						1
1991	06-21-84	1,520.00	5	8.00						
	03-19-85	3,660.00	5	12.80						0

**Table 7. Station 06334500, Little Missouri River at Camp Crook, South Dakota—Continued**

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1986	05-10-86	5,430.00	5	14.73						3
	03-06-86	2,970.00	5	11.47						
	04-30-86	1,090.00	5	7.07						
	09-26-86	1,890.00	5	9.16						
1987	04-06-87	2,240.00	5	10.27						0
	03-27-88	147.00	5	3.51	2		3.60	01-26-88	1	
1988	05-04-89	1,530.00	5	8.27						0
1989	05-26-90	2,220.00	5	9.91						0
1990	03-02-90	1,180.00	5							1
1991	05-18-91	307.00	5	4.37						0
1992	07-15-92	563.00	5	5.41						0
1993	06-10-93	3,970.00	5	13.31						3
	03-26-93	1,980.00	5	9.46						
	07-21-93	1,290.00	5	8.21						
1994	07-29-93	1,140.00	5	7.66						1
	03-09-94	2,000.00	5	10.25	1					
	05-04-94	1,280.00	5	7.74						



**Table 8.** Station 06354845, Spring Creek tributary near Greenway, South Dakota

Station locator                      Drainage area:                      0.99 mi<sup>2</sup>  
 Latitude Longitude                Contributing  
    drainage area:                      0.99 mi<sup>2</sup>  
 455445 0993648                      Gage datum:  
    Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1970	06-12-70	3.00		2.91						0
1971	06-17-71	188.00		7.86						0
1972	05-05-72	20.00		3.88						0
1973	09-03-73	91.00		5.88						0
1974	10-12-73	100.00		6.10						0
1975	04-29-75	2.00		2.87						0
1976	- -76	0.00								0
1977	06-12-77	10.00		4.00	1					0
1978	06-26-78	90.00		5.84						0
1979	04- -79	50.00		7.53	1					0



Table 9. Station 06354860, Spring Creek near Herreid, South Dakota—Continued

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1983	03-07-83	40.00		5.91	1					0
1984	03-22-84	409.00		8.48						2
	06-16-84	150.00		6.38						
	06-20-84	77.00		5.18						
1985	03-17-85	88.00		5.90						0
1986	03-05-86	850.00	9	11.09						5
	03-14-86	350.00		8.24						
	04-15-86	41.00		5.10						
	04-20-86	40.00								
	04-28-86	60.00								
	05-10-86	150.00								
1989	03-26-89	701.00		9.75						0
1990	- -90	0.00								0
1991	- -91	0.00								0
1992	- -92	0.00								0
1993	07-27-93	1,570.00		12.56						0
1994	04-01-94	929.00		10.82						0

**Table 10. Station 06354882, Oak Creek near Wakpala, South Dakota**

Station locator Latitude Longitude  
 454243 1003332  
 Drainage area: 356 mi<sup>2</sup>  
 Contributing drainage area: 356 mi<sup>2</sup>  
 Gage datum: 1,690.00 ft above sea level  
 Base discharge: 200.0 ft<sup>3</sup>/s

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water Year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1985	03-18-85	1,320.00		11.84						0
	03-04-86	3,780.00		17.73						5
	04-18-86	600.00		8.87						
	04-20-86	1,020.00		10.86						
1987	04-30-86	393.00		7.63						
	05-08-86	1,200.00		11.58						
	05-10-86	1,630.00		13.17						
	03-23-87	2,500.00		18.35	1					1
	04-02-87	1,990.00		14.44						
	06-14-88	143.00		6.01	2	6.23	03-27-88			0
1988	03-26-89	2,140.00		14.89						3
	04-25-89	409.00		7.73						
1989	04-26-89	313.00		7.04						
	04-28-89	1,440.00		12.51						
1990	08-19-90	43.00		4.59						0
	06-04-91	440.00		7.93	2	5.20	03-11-90	1		2
1991	06-05-91	313.00		7.06						
	06-06-91	211.00		6.27						
1992	08-04-92	426.00		7.84						0
	07-28-93	719.00		11.02						4
1993	03-09-93	590.00		9.63						
	06-30-93	260.00		6.90						
1994	07-16-93	651.00		10.41						
	07-24-93	226.00		6.55						
	03-20-94	664.00		10.60						2
	04-30-94	220.00		6.41						
	05-02-94	306.00		7.26						

**Table 11.** Station 06355400, North Fork Grand River tributary near Lodgepole, South Dakota

Station locator                      Drainage area:                      3.07 mi<sup>2</sup>  
 Contributing  
 Latitude Longitude                      drainage area:                      3.07 mi<sup>2</sup>  
 455545 1023904                      Gage datum:  
 Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1970	06-12-70	127.00		5.28						0
1971	07-12-71	219.00		6.21						0
1972	05-28-72	42.00		4.04						0
1973	06-02-73	67.00		4.49						0
1974	06-01-74	38.00		3.95						0
1975	04-28-75	104.00		5.00						0
1976	06-15-76	3.00		3.14						0
1977	09-07-77	65.00		4.45						0
1978	06-25-78	370.00		7.46						0
1979	08-27-79	847.00		11.05						0

**Table 12. Station 06355500, North Fork Grand River near White Butte, South Dakota**

Station locator  
 Latitude Longitude  
 454810 1022145

Drainage area: 1,190 mi<sup>2</sup>  
 Contributing drainage area: 1,190 mi<sup>2</sup>  
 Gage datum: 2,296.00 ft above sea level  
 Base discharge: 400 ft<sup>3</sup>/s

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1946	07-02-46	72.00		3.44						0
1947	03-24-47	7,040.00		12.35	1					3
	02-17-47	480.00		7.02	1					
	04-13-47	1,260.00		6.10						
	06-23-47	1,700.00		7.00						
1948	03-17-48	2,000.00		7.47	2		10.26	03-16-48	1	2
	02-21-48	500.00		5.78	1					
1949	02-27-48	600.00		6.36	1					1
	03-28-49	2,600.00		8.46	2		11.10	03-25-49	1	
1950	03-08-49	930.00		8.26	1					5
	04-16-50	30,900.00		20.00						
1951	03-07-50	1,700.00		8.50	1					1
	04-07-50	800.00		6.58	1					
1952	04-10-50	2,000.00		10.80	1					1
	05-12-50	915.00		6.30						
1953	08-13-50	764.00		6.09						3
	07-31-51	1,450.00		6.97	2		7.20	03-23-51	1	
1954	03-27-51	1,190.00		6.58						1
	04-08-52	21,500.00		17.00						
1955	05-27-52	440.00		5.67						1
	06-21-53	4,430.00		8.92						
1956	05-29-53	2,850.00		7.90						0
	06-16-53	4,270.00		8.82						
1957	07-22-53	1,460.00		6.80						0
	04-08-54	689.00		5.55						
1958	08-26-54	405.00		5.17						0
	07-08-55	61.00		4.20						
1959	03-20-56	310.00		5.67	1					0
	06-24-57	2,170.00		7.32						
1960	06-13-58	206.00		4.53						0
	03-21-59	1,670.00		6.69						
1961	06-11-60	1,320.00		6.33						1
	03-23-60	989.00		6.01						
1962	05-28-61	21.00		2.95						0
	07-04-62	844.00		5.83						
1963	06-25-63	1,340.00		6.50						0
	06-19-64	5,150.00		9.15						
1964	06-12-64	566.00		5.45						1

Table 12. Station 06355500, North Fork Grand River near White Butte, South Dakota—Continued

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1965	04-05-65	4,000.00		10.61	1					4
	05-12-65	471.00		4.99						
	05-27-65	1,080.00		5.86						
	06-04-65	779.00		5.50						
	06-15-65	618.00		5.22						
1966	03-14-66	2,200.00		7.99	1					2
	06-05-66	552.00		5.27						
	06-23-66	622.00		5.44						
	06-10-67	1,270.00	6	6.16						
	06-21-68	766.00	6	5.32						
1967	04-02-69	788.00	6	5.25	2		7.42	03-20-69	1	0
	05-07-70	980.00	6	5.66						
	03-14-71	2,750.00	6	7.81	2		8.62	03-13-71	1	
	03-10-72	3,300.00	6	9.58	1					
	04-24-73	289.00	6							
1974	01-18-74	185.00	6				5.10	02-26-73	1	0
	05-11-75	1,310.00	6	6.14			5.10	01-18-74	1	
	06-20-76	200.00	1,6							
	06-12-77	1,810.00	6	6.78						
	03-28-78	6,710.00	6	11.63	2		12.08	03-23-78	1	
1979	04-10-79	920.00	6	5.68	2		5.96	03-28-79	1	0
	06-15-80	72.00	6	3.11						
	07-14-81	148.00	6	3.32	2		6.32	12-07-80	1	
	05-21-82	1,850.00	6	7.23	2		8.63	02-20-82	1	
	06-23-83	762.00	6	5.20						
1984	05-04-84	244.00	6	3.79						0
	03-17-85	2,200.00	6	8.10	1					
	03-09-86	1,720.00	6	7.05						
	04-06-87	1,090.00	6	6.01	2		8.49	03-09-87	1	
	03-28-88	305.00	6	3.93						
1989	04-29-89	287.00	6	3.88						0
	03-25-90	52.00	6	2.03	2		4.01	02-26-90	1	
	06-26-91	165.00	6	2.76						
	06-15-92	423.00	6	3.71						
	03-06-93	2,750.00	6	8.64						
1994	03-12-94	471.00	6	4.30						0

Table 13. Station 06356000, South Fork Grand River at Buffalo, South Dakota

Station locator Latitude Longitude Discharge codes Peak discharge (ft<sup>3</sup>/s) Date Water Year

Drainage area: 148 mi<sup>2</sup>  
 Contributing drainage area: 148 mi<sup>2</sup>  
 Gage datum: 2,839.60 ft above sea level  
 Base discharge: 200 ft<sup>3</sup>/s

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water Year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1908	- -08						15.40	- -08		0
1956	07-03-56	738.00		5.80						1
	08-12-56	614.00		6.26						
1957	08-08-57	308.00		5.35	2		5.55	11-06-56	1	0
1958	06-09-58	404.00		5.68						0
1959	06-30-59	104.00		4.14	2		5.27	03-09-59	1	0
1960	06-09-60	1,020.00		7.54						2
	03-20-60	320.00		5.60	1					
	09-08-60	312.00		5.62						
1961	08-17-61	375.00		6.33	1					0
1962	05-19-62	665.00		6.62						3
	05-22-62	450.00		6.00						
	05-26-62	322.00		5.60						
	07-17-62	207.00		5.10						
1963	06-14-63	2,780.00		9.01						3
	04-27-63	254.00		5.10						
	05-11-63	254.00		5.09						
	06-17-63	1,750.00		8.02						
1964	06-09-64	970.00		6.88						3
	06-13-64	305.00		5.40						
	06-18-64	715.00		6.57						
	06-23-64	586.00		6.30						
1965	05-24-65	1,820.00		8.25						4
	05-09-65	598.00		6.33						
	06-01-65	362.00		5.63						
	06-14-65	526.00		6.15						
	07-01-65	1,120.00		7.32						
1966	03-14-66	380.00		6.71	1					1
	08-14-66	214.00		5.07						
1967	05-07-67	1,170.00		7.56						3
	04-16-67	380.00		5.70						
	06-07-67	620.00		6.42						
	06-14-67	315.00		5.48						
1968	08-24-68	95.00		4.27	2		5.51	02-25-68	1	0
1969	07-07-69	964.00		7.01	2		7.06	03-19-69	1	2
	06-25-69	206.00		4.95						
	07-16-69	770.00		6.64						
1970	06-12-70	582.00		6.23						1
	05-08-70	358.00		5.51						



**Table 13. Station 06356000, South Fork Grand River at Buffalo, South Dakota—Continued**

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1971	06-05-71	2,140.00		8.55						5
	04-21-71	370.00		5.70						
	05-31-71	235.00		5.16						
	06-12-71	325.00		5.50						
	06-17-71	760.00		6.67						
	09-05-71	900.00		6.90						
	10-02-71	1,940.00		8.33						
1972	02-28-72	250.00								5
	03-11-72	250.00								
	05-05-72	216.00		5.13						
	05-11-72	390.00		5.83						
	07-19-72	450.00		5.99						
	05-27-73	432.00		5.93						
	04-20-73	423.00		5.88						
1973	05-29-73	338.00		5.57						3
	06-18-73	312.00		5.45						
	10-10-73	157.00		4.70	2	01-16-74	5.15	1		
	06-26-75	994.00		7.14						
	10-31-74	228.00		5.04						
	04-09-75	280.00		5.34						
	04-29-75	640.00		6.46						
1974	05-06-75	880.00		7.02						0
	06-30-75	258.00		5.25						
	06-14-76	1,440.00		7.88						
	04-18-76	288.00		5.45						
	06-05-76	338.00		5.65						
	06-11-77	1,110.00		7.27						
	06-14-77	482.00		6.02						
1975	06-15-77	715.00		6.56						5
	07-06-77	310.00		5.41						
	05-30-78	1,400.00		7.75	2	03-21-78	8.29	1		
	10-01-77	710.00		6.59						
	10-07-77	730.00		6.63						
	03-26-78	602.00		6.77						
	05-04-78	370.00		5.61						
1976	05-12-78	332.00		5.49						2
	07-01-78	204.00		4.97						
	07-22-78	695.00		6.51						
	07-26-79	350.00		5.46						
	07-29-79	292.00		5.23						
	08-28-80	57.00		3.60						
	08-03-81	300.00		6.19						
1977	07-12-81	226.00		5.46						3
	08-09-81	257.00		5.98						
	06-14-77	482.00		6.02						
	06-11-77	1,110.00		7.27						
	06-05-76	338.00		5.45						
	04-18-76	288.00		5.45						
	06-14-76	1,440.00		7.88						
1978	06-30-75	258.00		5.25						2
	05-30-78	1,400.00		7.75	2	03-21-78	8.29	1		
	10-01-77	710.00		6.59						
	10-07-77	730.00		6.63						
	03-26-78	602.00		6.77						
	05-04-78	370.00		5.61						
	05-12-78	332.00		5.49						
1979	07-01-78	204.00		4.97						7
	07-22-78	695.00		6.51						
	07-26-79	350.00		5.46						
	07-29-79	292.00		5.23						
	08-28-80	57.00		3.60						
	08-03-81	300.00		6.19						
	07-12-81	226.00		5.46						
1980	08-09-81	257.00		5.98						1
	06-14-77	482.00		6.02						
	06-11-77	1,110.00		7.27						
	06-05-76	338.00		5.45						
	04-18-76	288.00		5.45						
	06-14-76	1,440.00		7.88						
	06-30-75	258.00		5.25						
1981	05-30-78	1,400.00		7.75	2	03-21-78	8.29	1		0
	10-01-77	710.00		6.59						
	10-07-77	730.00		6.63						
	03-26-78	602.00		6.77						
	05-04-78	370.00		5.61						
	05-12-78	332.00		5.49						
	07-01-78	204.00		4.97						
1982	07-22-78	695.00		6.51						2
	07-26-79	350.00		5.46						
	07-29-79	292.00		5.23						
	08-28-80	57.00		3.60						
	08-03-81	300.00		6.19						
	07-12-81	226.00		5.46						
	08-09-81	257.00		5.98						

**Table 13. Station 06356000, South Fork Grand River at Buffalo, South Dakota—Continued**

Water Year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest gage height since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1982	05-20-82	970.00		7.32						4
	05-16-82	925.00		7.25						
	05-29-82	690.00		6.87						
	06-07-82	263.00		5.60						
1983	06-18-82	251.00		5.58						3
	10-09-82	685.00		6.89	2	07-28-83	6.91	1		
	06-17-83	670.00		6.82	1					
	07-28-83	622.00		6.91						
1984	07-30-83	365.00		6.20						1
	05-04-84	559.00		7.03	1					
1985	06-10-84	393.00		6.10						1
	08-08-85	471.00		6.73	2	03-16-85	7.09	1		
	10-06-84	369.00		6.22						
1986	05-09-86	790.00		7.32	2	02-26-86	8.23	1		2
	04-06-86	233.00		5.64						
	09-25-86	739.00		7.23						
	07-31-87	558.00		6.73						
1987	04-01-87	245.00		5.59						5
	04-05-87	263.00		5.69						
	05-21-87	292.00		5.84						
	06-20-87	530.00		6.66						
	09-06-87	393.00		6.25						
	06-30-88	356.00		6.72						
	07-14-89	745.00		7.72						
1988	04-27-89	482.00		7.14						0
	05-02-89	309.00		6.53						
1989	04-27-90	206.00		5.91						2
	05-30-91	1,460.00		8.18						
1990	04-27-91	300.00		6.49						0
	06-16-92	466.00		6.57						
	07-07-92	277.00		5.85						
	08-05-92	226.00		5.48						
1991	07-28-93	2,160.00		8.68						9
	05-08-93	723.00		7.20						
	06-08-93	456.00		6.55						
	06-30-93	1,100.00		7.77						
	07-01-93	685.00		7.13						
	07-03-93	1,390.00		8.09						
	07-13-93	242.00		5.58						
	07-17-93	415.00		6.42						
	07-25-93	205.00		5.28						
	07-26-93	297.00		5.98						
1992	07-05-94	1,110.00		7.78						4
	02-19-94	200.00	2	6.85	1					
	03-03-94	600.00	2	7.73	1					
	06-04-94	802.00		7.34						
1993	07-07-94	456.00		6.55						6.55

**Table 14. Station 06356150, North Jack Creek near Ludlow, South Dakota**

Station locator  
 Latitude Longitude  
 454715 1032343

Drainage area: 1.69 mi<sup>2</sup>  
 Contributing drainage area: 1.69 mi<sup>2</sup>  
 Gage datum:  
 Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1970	04-25-70	20.00		4.24	1					0
1971	06-04-71	17.00		3.74						0
1972	05-09-72	11.00		3.46						0
1973	04-20-73	41.00		4.55						0
1974	03-13-74	10.00		4.04	1					0
1975	04-28-75	19.00		3.82						0
1976	06-14-76	15.00		3.64						0
1977	04-07-77	8.00		3.71	1					0
1978	06-25-78	145.00		6.68						0
1979	05--79	33.00		4.30						0

**Table 15. Station 06356500, South Fork Grand River near Cash, South Dakota**

Station locator      Drainage area: 1,350      mi<sup>2</sup>  
 Latitude Longitude      Contributing  
                                  drainage area: 1,350      mi<sup>2</sup>  
 453856 1023827      Gage datum: 2,422.75      ft above sea level  
                                  Base discharge: 500      ft<sup>3</sup>/s

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1946	05-25-46	1,040.00								1
	06-13-46	686.00								
1947	03-23-47	8,000.00								8
	02-17-47	1,120.00								
	03-25-47	1,380.00								
	03-28-47	576.00								
	04-01-47	657.00								
	04-11-47	1,570.00								
1948	06-21-47	971.00								
	06-26-47	3,000.00								
	06-27-47	1,240.00								
	03-14-48	2,500.00								5
	02-18-48	2,000.00								
	03-19-48	1,000.00								
	05-25-48	746.00								
	06-19-48	715.00								
	07-16-48	523.00								
	03-23-49	3,200.00								2
1949	03-08-49	2,300.00								
	03-28-49	1,120.00								
	04-15-50	27,000.00								4
	03-07-50	1,900.00								
1950	04-07-50	7,000.00								
	05-03-50	528.00								
	05-10-50	1,190.00								
	03-25-51	1,000.00								1
	07-30-51	575.00								
1951	04-06-52	15,600.00								1
	04-02-52	4,690.00								
1952	07-21-53	2,240.00								1
	05-29-53	1,360.00								
	06-16-53	1,580.00								3
1953	06-20-53	2,160.00								
	04-07-54	752.00								0
	06-29-55	700.00								0
	03-19-56	1,040.00								1
1954	07-04-56	512.00								
	08-08-57	2,420.00								2
	06-24-57	638.00								
1955	08-02-57	500.00								

Table 15. Station 06356500, South Fork Grand River near Cash, South Dakota—Continued

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1958	06-15-58	400.00								0
1959	03-19-59	758.00								0
1960	06-10-60	3,190.00								2
	03-22-60	1,610.00								
	06-14-60	1,040.00								
1961	07-25-61	199.00								0
1962	08-09-62	1,710.00								4
	03-21-62	814.00								
	05-20-62	1,220.00								
	05-23-62	1,250.00								
	07-18-62	1,040.00								
1963	06-16-63	3,200.00								3
	03-03-63	1,450.00								
	06-19-63	1,130.00								
	06-25-63	694.00								
1964	06-18-64	1,010.00								2
	06-10-64	782.00								
	07-02-64	694.00								
1965	05-26-65	2,860.00								4
	04-03-65	1,800.00								
	05-11-65	974.00								
	06-03-65	1,070.00								
	07-02-65	1,130.00								
1966	03-15-66	2,100.00								0
1967	05-08-67	2,350.00								2
	06-06-67	1,810.00								
	06-14-67	1,620.00								
1968	07-18-68	1,220.00					4.58	02-28-68	1	0
1969	07-09-69	1,400.00			2					2
	06-27-69	791.00								
	07-17-69	605.00								
1970	05-08-70	1,210.00								0
1971	06-06-71	3,030.00								3
	03-14-71	2,400.00			2			03-14-71	1	
	03-28-71	1,640.00								
1972	06-04-71	883.00								5
	03-10-72	3,600.00								
	10-03-71	2,110.00								
	02-29-72	2,900.00								
	05-12-72	730.00								
	05-26-72	2,050.00								
	08-26-72	1,980.00								
1973	04-21-73	647.00					5.87	02-24-73	1	1
	06-20-73	528.00								
1974	01-18-74	225.00					4.12	01-18-74	1	1

**Table 15. Station 06356500, South Fork Grand River near Cash, South Dakota—Continued**

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest gage height since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks	
1975	05-07-75	1,290.00		4.71						6	
	04-11-75	951.00		4.18							
	04-16-75	725.00		3.76							
	04-25-75	510.00		3.30							
	04-29-75	829.00		3.96							
	05-09-75	700.00		3.71							
1976	06-28-75	705.00		3.74						1	
	06-16-76	3,320.00		7.61							
	07-03-76	3,050.00		7.30							
1977	06-16-77	1,030.00		4.32						3	
	04-08-77	523.00		3.38							
	06-12-77	792.00		3.89							
	07-07-77	878.00		4.05							
	03-27-78	3,530.00		8.08							
	10-03-77	883.00		4.06							
1978	10-09-77	766.00		3.84						6	
	05-09-78	690.00		4.11							
	05-31-78	1,330.00		5.19							
	06-27-78	700.00		4.28							
	06-30-78	1,070.00		4.93							
	04-10-79	1,490.00		5.07	2	04-06-79	9.15	04-06-79	1		1
1979	04-18-79	550.00		3.43						1	
	08-29-80	217.00		2.58	2	02-16-80	3.78	02-16-80	1		0
1980	08-04-81	1,080.00		4.39	2	12-01-80	5.06	12-01-80	1	0	
1981	05-21-82	2,300.00		6.27	2	02-26-82	6.50	02-26-82	1	5	
	03-12-82	910.00	9								
1982	03-30-82	962.00		4.20						3	
	05-16-82	2,290.00		6.25							
	05-30-82	861.00		4.13							
	06-08-82	519.00		3.41							
	10-11-82	1,250.00		4.66	2	02-15-83	4.79	02-15-83	1		1
	10-30-82	536.00		3.36							
1983	07-20-83	761.00		3.76						2	
	07-30-83	550.00		3.31							
	05-04-84	1,030.00		4.57							
1984	06-12-84	559.00		3.62						2	
	06-16-84	653.00		3.85							
1985	03-18-85	2,500.00		6.93	1					0	
1986	05-10-86	1,870.00		6.64						2	
	03-05-86	1,460.00		5.93							
1987	09-26-86	829.00		4.89						0	
	04-03-87	1,130.00		5.51							
1988	07-02-88	314.00		3.42	2	02-25-88	4.27	02-25-88	1	0	
										0	

Table 15. Station 06356500, South Fork Grand River near Cash, South Dakota—Continued

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1989	08-25-89	1,170.00		5.57						3
	03-27-89	541.00		4.10						
	04-28-89	824.00		4.88						
	07-16-89	713.00		4.63						
1990	04-29-90	359.00		3.63	2		5.05	02-26-90	1	0
	06-01-91	1,560.00		6.20						
1991	06-18-92	302.00		3.64						0
1992	07-27-93	3,030.00		7.97						8
	03-08-93	1,400.00		6.20						
	07-01-93	905.00		4.98						
	07-04-93	991.00		5.15						
	07-05-93	861.00		4.89						
	07-14-93	1,130.00		5.41						
	07-16-93	2,380.00		7.23						
	07-25-93	915.00		5.00						
	07-26-93	755.00		4.66						
	03-05-94	2,000.00		7.01	1					
	07-06-94	768.00		4.69						
	07-07-94	712.00		4.56						
	1994									

**Table 16. Station 06356600, South Fork Grand River tributary near Bison, South Dakota**

Station locator Latitude Longitude  
 453554 1023928  
 Drainage area: 1.00 mi<sup>2</sup>  
 Contributing drainage area: 1.00 mi<sup>2</sup>  
 Gage datum:  
 Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1970	05-30-70	5.00		3.06						0
1971	06-04-71	80.00		5.55						0
1972	05-25-72	14.00		3.47						0
1973	04-20-73	30.00		4.40	1					0
1974	08-23-74	14.00		3.55						0
1975	04-28-75	30.00		4.10						0
1976	07-03-76	32.00		4.18						0
1977	07-06-77	70.00		5.30						0
1978	06-29-78	183.00		7.76						0
1979	04- -79	90.00		7.76	1					0



**Table 17. Station 06357500, Grand River at Shadehill, South Dakota**

Station locator Latitude Longitude  
 454523 1021144  
 Drainage area: 3,120 mi<sup>2</sup>  
 Contributing drainage area: 3,120 mi<sup>2</sup>  
 Gage datum: 2,192.48 ft above sea level  
 Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1944	04-07-44	18,000.00								0
1945	03-14-45	8,680.00								0
1946	05-25-46	637.00								0
1947	03-23-47	16,100.00								0
1948	03-16-48	6,800.00								0
1949	03-28-49	4,800.00								0
1950	04-16-50	58,000.00								0
1951	08-30-51	71.00	6							0
1952	04-09-52	5,150.00	6							0
1953	06-22-53	2,830.00	6							0
1954	04-10-54	252.00	6							0
1955	09-20-55	29.00	6							0
1956	03-29-56	169.00	6							0
1957	06-26-57	542.00	6							0
1958	06-18-58	137.00	6							0
1959	03-26-59	362.00	6							0
1960	06-16-60	499.00	6							0
1961	10-16-60	266.00	6							0
1962	08-26-62	125.00	6							0
1963	09-18-63	210.00	6							0
1964	10-10-63	207.00	6							0
1965	05-28-65	1,240.00	6							0
1966	10-04-65	207.00	1,6							0
1967	06-16-67	1,190.00	6							0
1968	01-05-68	85.00	6							0
1969	04-05-69	1,160.00	6							0
1970	06-28-70	114.00	6							0
1971	03-19-71	1,870.00	6							0
1972	03-16-72	3,070.00	6							0
1973	04-28-73	303.00	6							0
1974	10-26-73	108.00	1,6							0
1975	05-17-75	490.00	1,6							0
1976	07-07-76	107.00	1,6							0
1977	10-30-76	50.00	1,6							0
1978	04-01-78	4,190.00	1,6							0
1979	04-21-79	714.00	1,6							0
1980	10-13-79	356.00	1,6							0
1981	09-21-81	49.00	1,6							0
1982	05-23-82	2,510.00	1,6							0
				4.45						
				4.70						
				4.25						
				3.78	2		3.99	12-07-61	1	
				4.07						
				4.06						
				5.71						
				5.80			5.55	03-03-66	1	
				3.35			3.39	03-13-68	1	
				5.62						
				3.49						
				6.64						
				7.78						
				4.33			3.72	12-19-73	1	
				4.67						
							3.72	12-29-76	1	
				8.63						
				5.06						
							4.98	06-04-80		
							3.44	12-01-80	1	

Table 17. Station 06357500, Grand River at Shadehill, South Dakota—Continued

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1983	08-26-83	121.00	1,6							0
1984	08-31-84	170.00	1,6							0
1985	10-01-84	135.00	6	3.50						0
1986	05-12-86	1,020.00	6	5.61						0
1987	04-08-87	1,220.00	6	5.63						0
1988	10-05-87	86.00	6	3.16	2		3.54	01-04-88	1	0
1991	09-18-91	36.00	6	2.87						0
1992	07-17-92	97.00	6	3.38						0

**Table 18. Station 06357800, Grand River at Little Eagle, South Dakota**

Station Locator  
 Latitude Longitude  
 453928 1004904

Drainage area: 5,370 mi<sup>2</sup>  
 Contributing drainage area: 5,370 mi<sup>2</sup>  
 Gage datum: 1,628.63 ft above sea level  
 Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water Year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1959	03-12-59	2,170.00	6							0
1960	03-22-60	3,200.00	6							0
1961	06-14-61	728.00	6							0
1962	06-13-62	11,000.00	6							0
1963	08-29-63	3,420.00	6							0
1964	06-10-64	5,300.00	6							0
1965	06-03-65	8,440.00	6							0
1966	03-18-66	10,000.00	6							0
1967	06-20-67	3,060.00	6							0
1968	06-22-68	2,830.00	6							0
1969	03-24-69	9,760.00	6							0
1970	05-10-70	8,280.00	6							0
1971	03-15-71	7,370.00	6				14.93	03-14-71	1	0
1972	03-12-72	15,000.00	6	11.67	2					0
1973	03-01-73	5,200.00	6	21.01	1		13.91	01-19-73	1	0
1974	04-21-74	5,990.00	6	10.65						0
1975	05-12-75	7,290.00	6	11.41						0
1976	06-25-76	1,280.00	6	6.22						0
1977	09-25-77	2,190.00	6	7.40						0
1978	03-23-78	19,000.00	6	18.41	1					0
1979	04-03-79	5,200.00	6	8.83	2		9.93	03-26-79	1	0
1980	06-07-80	2,810.00	6	7.04	2		8.73	01-25-80	1	0
1981	08-05-81	1,820.00	6				9.32	02-01-81	1	0
1982	05-22-82	9,740.00	6	12.15						0
1983	05-13-83	5,980.00	6	8.96						0
1984	03-22-84	3,490.00	6	7.80						0
1985	03-16-85	5,500.00	6	10.67	1					0
1986	05-10-86	12,100.00	6	13.60						0
1987	03-23-87	31,000.00	6	19.16						0
1988	06-30-88	4,160.00	6	7.47						0
1989	03-26-89	6,930.00	6	9.82	2		9.87	03-25-89	1	0
1990	08-20-90	715.00	6	3.18	2		4.40	03-01-90	1	0
1991	05-24-91	2,520.00	6	5.85						0
1992	07-02-92	1,600.00	6	5.12						0
1993	03-07-93	8,110.00	6	10.72	2		11.20	07-28-93		0
1994	03-11-94	4,000.00	6	9.95	2		14.23	03-06-94	1	0

Table 19. Station 06358000, Grand River near Wakpala, South Dakota

Station locator  
 Latitude Longitude  
 453940 1003820

Drainage area: 5,510 mi<sup>2</sup>  
 Contributing drainage area: 5,510 mi<sup>2</sup>  
 Gage datum: 1,582.87 ft above sea level  
 Base discharge: 1,400 ft<sup>3</sup>/s

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1914	06-15-14	4,000.00								0
1915	06-18-15	7,600.00								0
1916	04-20-16	3,260.00								0
1929	03-14-29	7,630.00								0
1931	06-12-31	843.00								0
1932	06-11-32	7,230.00								0
1933	05-27-33	2,140.00								0
1934	03-23-34	1,360.00								0
1935	07-24-35	3,800.00								0
1936	03-10-36	2,010.00								0
1937	06-15-37	13,700.00								6
	03-07-37	1,960.00								
	04-08-37	2,360.00								
	04-16-37	4,510.00								
	06-08-37	8,060.00								
	06-21-37	5,160.00								
	07-15-37	1,850.00								
1938	07-03-38	9,110.00								3
	06-29-38	5,730.00								
	07-07-38	7,520.00								
	09-06-38	6,740.00								
1939	03-24-39	7,000.00								1
	07-08-39	4,600.00								
1940	07-30-40	3,420.00								2
	03-31-40	2,970.00								
	04-30-40	1,400.00								
1941	06-13-41	9,100.00								2
	03-10-41	1,400.00								
	06-08-41	6,030.00								
1942	05-19-42	4,840.00								5
	04-05-42	1,700.00								
	05-03-42	3,080.00								
	06-04-42	3,660.00								
	06-30-42	1,460.00								
	07-30-42	2,900.00								
1943	03-26-43	15,800.00								6
	02-23-43	13,000.00								
	06-05-43	1,780.00								
	06-09-43	1,590.00								

Table 19. Station 06358000, Grand River near Wakpala, South Dakota—Continued

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1943	06-16-43	5,790.00								
	07-05-43	1,540.00								
	09-04-43	2,500.00								3
1944	04-09-44	32,000.00								
	06-19-44	11,500.00		13.36						
	06-28-44	9,950.00		12.60						
1945	07-10-44	1,840.00		7.35						
	03-15-45	10,000.00								2
	03-27-45	3,280.00		8.65						
1946	06-08-45	3,540.00		8.77						
	07-04-46	1,000.00								0
1947	03-25-47	19,000.00								4
	04-14-47	2,090.00		7.15						
	06-08-47	3,550.00		8.55						
1948	06-23-47	12,400.00		11.80						
	06-29-47	4,390.00		8.72						
	03-18-48	7,700.00		9.10						2
1949	03-23-48	4,250.00		7.60						
	06-19-48	2,410.00								4
	03-28-49	10,200.00								
1950	03-08-49	8,300.00		12.66	1					
	03-25-49	9,500.00		15.10	1					
	05-02-49	1,660.00		7.00						
1951	05-30-49	1,950.00		7.20						5
	04-18-50	82,200.00								
	03-11-50	1,700.00		7.41	1					
1952	03-26-50	3,600.00		9.38	1					
	04-08-50	13,300.00		14.19						
	05-10-50	6,010.00		8.61						
1953	08-14-50	4,580.00		8.95						
	03-26-51	10,000.00	2,6							
	04-02-52	17,900.00	6							
1954	06-17-53	32,000.00	6							
	06-07-54	3,410.00	6							
	09-23-55	755.00	6							
1955	03-20-56	6,260.00	6							
	05-26-57	2,740.00	6							
	03-26-58	4,510.00	6							
1956	03-12-59	1,660.00	6							
	03-23-60	3,890.00	6							
	09-14-61	665.00	6	8.00	2		8.49	03-02-61	1	
1962	06-14-62	8,360.00	6	11.70						
	08-29-63	3,700.00	6	9.75						
	06-10-64	6,400.00	6	10.45						

**Table 20. Station 06358500, Missouri River near Mobridge, South Dakota**

Station locator  
 Latitude Longitude  
 453125 1002824

Drainage area: 208,700 mi<sup>2</sup>  
 Contributing drainage area: 208,700 mi<sup>2</sup>  
 Gage datum: 1,527.19 ft above sea level  
 Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1929	03-30-29	164,000.00								0
1930	04-06-30	93,100.00								0
1931	06-16-31	42,200.00								0
1932	06-14-32	119,000.00								0
1933	06-24-33	89,800.00								0
1934	03-21-34	71,000.00								0
1935	07-13-35	122,000.00								0
1936	04-16-36	122,000.00								0
1937	06-18-37	105,000.00								0
1938	03-20-38	188,000.00								0
1939	03-30-39	212,000.00								0
1940	06-12-40	61,800.00								0
1941	06-11-41	73,000.00								0
1942	06-10-42	82,300.00								0
1943	04-05-43	282,000.00								0
1944	04-08-44	186,400.00								0
1945	03-19-45	87,500.00	1							0
1946	06-18-46	55,800.00								0
1947	03-31-47	250,000.00								0
1948	04-04-48	152,000.00								0
1949	04-04-49	172,000.00								0
1950	04-19-50	251,000.00								0
1951	04-06-51	137,000.00								0
1952	04-09-52	443,000.00								0
1953	06-21-53	90,000.00	6							0
1954	10-28-53	45,000.00	6							0
1955	10-28-54	48,500.00	6							0
1956	04-05-56	41,200.00	6							0
1957	05-25-57	27,900.00	6							0
1958	04-03-58	40,800.00	6							0
1959	03-30-59	55,000.00	6							0
1960	04-01-60	38,000.00	6							0
1961	03-20-61	32,100.00	1,6							0

**Table 21. Station 06358520, Deadman Creek tributary near Mobridge, South Dakota**

Station locator      Drainage area:      0.30 mi<sup>2</sup>  
 Latitude Longitude      Contributing  
 452815 1002954      drainage area:      0.30 mi<sup>2</sup>  
                                  Gage datum:  
                                  Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1956	03-18-56	8.00		4.76						0
1957	05- -57	51.00		6.69						0
1958	03-24-58	20.00		5.42						0
1959	03- -59	1.00		4.00						0
1960	03- -60	4.00		4.56						0
1961	03- -61	6.00		4.67						0
1962	02-06-62	33.00		5.98	2		7.90	03-20-62	1	0
1963	05- -63	1.00		4.12						0
1964	06-17-64	180.00		12.07	1					0
1965	05- -65	9.00		4.86						0
1966	04- -66	1.00		4.29						0
1967	06-18-67	18.00		5.32						0
1968	06-30-68	10.00		4.84						0
1969	08-04-69	16.00		5.19						0
1970	04-21-70	18.00		5.36						0
1971	05-23-71	13.00		5.03						0
1972	05-01-72	18.00		5.31						0
1973	05-26-73	32.00		5.96						0
1974	10-11-73	19.00		5.35						0
1975	05-06-75	77.00		7.62						0
1976	06-15-76	4.00		4.46						0
1977	09-23-77	23.00		5.56						0
1978	05-11-78	20.00		5.44						0
1979	07-01-79	79.00		7.66						0
1980	06-02-80	109.00		8.73						0

**Table 22.** Station 06358540, Blue Blanket Creek tributary near Glenham, South Dakota

Station locator  
 Latitude Longitude  
 453212 1001201

Drainage area: 0.62 mi<sup>2</sup>  
 Contributing  
 drainage area: 0.62 mi<sup>2</sup>  
 Gage datum:  
 Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water Year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage- height codes	Highest since	Maximum gage height (ft)	Date	Gage- height codes	Number of partial peaks
1970	09-07-70	7.00		3.33						0
1971	06-17-71	9.00		3.48						0
1972	05-01-72	2.00		2.82						0
1973	03-14-73	4.00		3.51	1					0
1974	- -74	4.00								0
1975	06-21-75	10.00		3.55						0
1976	06-15-76	5.00		3.19						0
1977	- -77	3.00								0
1978	06-26-78	21.00		4.26						0
1979	07-01-79	5.60		3.22						0



**Table 23.** Station 06358550, Battle Creek tributary near Castle Rock, South Dakota

Drainage area: 1.57 mi<sup>2</sup>  
 Contributing drainage area: 1.57 mi<sup>2</sup>  
 Gage datum: Base discharge:  
 Base discharge:

Station locator  
 Latitude Longitude  
 450257 1033256

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1969	07-08-69	430.00		10.80						0
1970	06-12-70	60.00		4.69						0
1971	06-04-71	97.00		5.52						0
1972	06-25-72	536.00		12.72						0
1973	04-20-73	40.00		4.12						0
1974	07-20-74	61.00		4.71						0
1975	05-09-75	580.00		13.70						0
1976	06-17-76	135.00		6.26						0
1977	07-04-77	53.00		4.50						0
1978	07-20-78	189.00		7.21						0
1979	07-26-79	117.00		5.90						0

**Table 24. Station 06358600, South Fork Moreau River tributary near Redig, South Dakota**

Station locator Latitude Longitude  
 451145 1033409  
 Drainage area: 2.33 mi<sup>2</sup>  
 Contributing drainage area: 2.33 mi<sup>2</sup>  
 Gage datum:  
 Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1956	07-56	72.00		2.44						0
1958	-58	1.00		2.08						0
1959	06-25-59	205.00		3.56						0
1960	03-20-60	30.00		2.98	1					0
1961	-61	0.00								0
1962	03-62	15.00		2.56	1					0
1963	06-63	170.00		3.55						0
1964	-64	0.00								0
1965	07-08-65	65.00		2.38						0
1966	03-13-66	40.00		3.20	1					0
1967	06-06-67	58.00		2.32						0
1968	08-24-68	65.00		2.38						0
1969	07-08-69	450.00		5.15						0
1970	05-11-70	40.00		2.20						0
1971	04-19-71	180.00		3.80						0
1972	05-11-72	70.00		2.42						0
1973	03-14-73	20.00		2.76	1					0
1974	04-11-74	30.00		2.40	1					0
1975	04-28-75	60.00		2.34						0
1976	06-23-76	80.00		3.17						0
1977	04-07-77	35.00		2.42	1					0
1978	06-29-78	120.00		3.35						0
1979	04-79	35.00		2.49	1					0
1980	08-16-80	150.00		3.35						0

**Table 25. Station 06358620, Sand Creek tributary near Redig, South Dakota**

Station locator Latitude Longitude 451321 1033256  
 Drainage area: Contributing drainage area: 0.06 mi<sup>2</sup> 0.06 mi<sup>2</sup>  
 Gage datum: Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1956	07- -56	14.00		2.64						0
1958	08-30-58	32.00		3.69						0
1959	06-29-59	5.00		2.07						0
1960	06-20-60	18.00		2.92						0
1961	08-17-61	12.00		2.55						0
1962	05- -62	26.00		3.37						0
1963	06- -63	25.00		-3.32						0
1964	06-09-64	16.00		2.79						0
1965	05- -65	18.00		2.89						0
1966	07- -66	32.00		3.71						0
1967	06-06-67	35.00		3.85						0
1968	08-24-68	37.00		3.97						0
1969	07-08-69	64.00		5.31						0
1970	05-31-70	37.00		3.96						0
1971	04-19-71	13.00		2.58						0
1972	07-27-72	15.00		2.73						0

**Table 26. Station 06359000, Moreau River at Bixby, South Dakota**

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks	
											Drainage area: Contributing drainage area: Gage datum: Base discharge:
Station locator: 450837 1023330 Drainage area: 1,570 mi <sup>2</sup> Contributing drainage area: 1,570 mi <sup>2</sup> Gage datum: 2,431.02 ft above sea level Base discharge: 1,000 ft <sup>3</sup> /s											
Note: Blanks indicate no information, except for discharge-code and gage-height-code columns											
1949	03-23-49	5,420.00								1	
	03-28-49	2,330.00		7.55							
1950	04-16-50	10,500.00			1					3	
	04-03-50	3,500.00		13.53							
	04-07-50	7,610.00		12.74							
	05-11-50	1,520.00		6.38							
1951	08-13-51	1,060.00								0	
1952	04-01-52	15,300.00		8.03						0	
1953	06-17-53	2,980.00		7.08	1					3	
	03-17-53	1,300.00		6.36							
	06-15-53	1,670.00		5.47							
	06-21-53	1,110.00									
1954	06-07-54	1,500.00	1							0	
1955	09-21-55	632.00		4.56						0	
1956	07-05-56	1,840.00		6.60	2		7.39	03-21-56	1	1	
	08-05-56	1,160.00		5.62							
1957	08-10-57	700.00		4.98						0	
1958	07-03-58	3,520.00		8.46						2	
	06-10-58	2,750.00		7.62							
	06-18-58	1,410.00		5.84							
1959	03-14-59	1,310.00		5.81						0	
1960	03-22-60	3,620.00		8.72						1	
	05- -60	1,230.00		5.68							
1961	06-16-61	1,110.00		5.49						0	
1962	05-24-62	3,790.00		8.63						4	
	03-22-62	1,000.00		8.23	1						
	05-19-62	3,320.00		8.14							
	05-28-62	3,310.00		8.13							
	05-31-62	2,980.00		7.76							
1963	06-16-63	4,390.00		9.26						2	
	03-02-63	1,600.00									
	06-24-63	1,110.00		5.40							
1964	06-22-64	2,240.00		7.15						2	
	05-03-64	1,010.00		5.29							
	06-11-64	1,850.00		6.62							
1965	05-25-65	6,110.00		11.01						2	
	04-11-65	1,500.00									
	05-11-65	2,230.00		7.14							

Table 26. Station 06359000, Moreau River at Bixby, South Dakota—Continued

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1966	03-17-66	1,800.00					13.21	03-14-66	1	1
	07-22-66	1,740.00		6.45						
1967	05-10-67	4,820.00		9.84						2
	06-08-67	4,790.00		9.81						
1968	06-14-67	4,620.00		9.65						
	06-24-68	676.00		4.58	2		5.44	02-29-68	1	0
1969	07-08-69	5,200.00		10.26	2		11.93	03-19-69	1	3
	03-19-69	1,200.00		11.93	1					
1970	07-17-69	1,110.00		5.49						
	07-22-69	2,950.00		8.07						
1971	04-26-70	1,940.00		6.75						0
	03-28-71	7,100.00		11.95						0
1972	02-29-72	4,500.00		11.57	1					0
	06-03-73	2,780.00		7.81						0

**Table 27. Station 06359300, Deep Creek tributary near Maurine, South Dakota**

Station locator: Drainage area: 1.26 mi<sup>2</sup>  
 Contributing drainage area: 1.26 mi<sup>2</sup>  
 Latitude Longitude: 450134 1023229  
 Gage datum: Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1970	05-30-70	6.00		3.27						0
1971	05-30-71	188.00		8.13						0
1972	05-11-72	3.00		2.99						0
1973	- -73	1.00								0
1974	- -74	1.00								0
1975	04-28-75	29.00		4.46						0
1976	- -76	0.00								0
1977	05-26-77	1.00		2.69						0
1978	04- -78	20.00		9.05	1					0
1979	04- -79	5.00		4.63	1					0

**Table 28. Station 06359500, Moreau River near Faith, South Dakota**

Station locator  
 Latitude Longitude  
 451152 1020922

Drainage area: 2,660 mi<sup>2</sup>  
 Contributing drainage area: 2,660 mi<sup>2</sup>  
 Gage datum: 2,238.68 ft above sea level  
 Base discharge: 1,500 ft<sup>3</sup>/s

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1944	04-09-44	26,000.00		21.90						5
	06-06-44	2,010.00		7.70						
	06-14-44	1,710.00		7.35						
	06-18-44	23,000.00		20.60						
	06-24-44	4,200.00		10.00						
	07-13-44	2,500.00		8.15						
1945	03-15-45	6,280.00		12.01						0
	06-21-46	2,370.00		8.10						1
1946	05-26-46	2,010.00		7.70						
	03-23-47	7,930.00		13.50	2		15.40	02-16-47	1	4
	02-16-47	5,600.00		14.40	1					
	06-21-47	4,300.00		10.10						
	06-24-47	5,160.00		10.95						
	07-11-47	1,610.00		7.00						
1948	06-20-48	2,010.00		7.45	2		12.00	03-16-48	1	2
	03-09-48	1,900.00		11.30	1					
	03-16-48	1,900.00		12.00	1					
1949	03-23-49	6,280.00		12.00						1
	03-08-49	2,500.00		9.30	1					
1950	04-17-50	23,000.00		19.00						3
	04-04-50	6,400.00		11.10						
	04-07-50	11,000.00		14.50	1					
	05-12-50	1,970.00		6.62						
	08-13-51	2,300.00		7.50						
	04-02-52	25,000.00		18.20	2		21.31	03-30-52		0
1952	02-14-52	1,700.00		7.72	1					2
	06-28-52	1,900.00		6.50						
	06-15-53	12,700.00		15.60						4
	03-03-53	2,500.00		7.85	1					
	05-03-53	1,600.00		6.00						
	06-18-53	5,110.00		9.00						
1954	06-21-53	4,360.00		9.30						
	06-07-54	2,460.00		7.10						1
	05-24-54	1,660.00		6.30						
1955	09-22-55	826.00		5.08						0
1956	07-05-56	2,520.00		7.28						0
1957	05-25-57	987.00		5.31						0

Table 28. Station 06359500, Moreau River near Faith, South Dakota—Continued

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1958	07-04-58	2,900.00		8.22						1
	06-11-58	2,340.00		7.55						
1959	03-14-59	830.00		5.47	1					0
1960	03-22-60	3,500.00		10.00	1					0
1961	06-17-61	743.00		4.92						0
1962	05-23-62	5,380.00		10.85						2
	05-20-62	2,870.00		8.22						
	05-29-62	5,080.00		10.57						
1963	06-18-63	3,550.00		8.95	2		9.48	03-03-63	1	2
	03-03-63	3,000.00		9.48	1					
	06-24-63	1,540.00		6.26						
1964	06-11-64	2,460.00		7.92						1
	06-23-64	2,170.00		7.46						
1965	05-26-65	7,060.00		12.87						2
	05-12-65	2,710.00		8.25						
	06-02-65	1,790.00		6.83						
1966	03-15-66	4,350.00		11.10	1					1
	07-23-66	1,510.00		6.41						
1967	06-14-67	9,020.00		14.12						2
	05-10-67	5,800.00		11.70						
	06-08-67	5,700.00		11.14						
1968	06-25-68	942.00		5.32	2		5.85	03-01-68	1	0
1969	07-08-69	6,250.00		11.64	2		11.98	03-20-69	1	3
	03-22-69	2,850.00								
	07-17-69	1,800.00		6.84						
	07-23-69	3,460.00		8.82						
	04-26-70	2,700.00		7.78						0
1970	03-15-71	7,650.00		13.70						5
1971	03-22-71	2,130.00		7.90						
	03-28-71	5,500.00		11.42						
	05-31-71	1,910.00		7.62						
	06-08-71	2,960.00		8.81						
	06-11-71	1,700.00		7.32						
1972	02-29-72	6,100.00		14.50	1					5
	03-11-72	4,840.00		11.01						
	05-13-72	2,900.00		8.86						
	05-21-72	3,760.00		9.94						
	05-28-72	2,260.00		7.95						
	06-28-72	1,970.00		7.61						
1973	06-04-73	1,170.00					7.30	01-19-73	1	0
1974	04-16-74	206.00		3.53	2		4.06	02-13-74	1	0
1975	05-09-75	11,500.00		15.85						4
	04-12-75	3,500.00		11.00						
	04-30-75	5,730.00		11.75						
	06-29-75	2,060.00		7.81						
	07-06-75	1,800.00		7.47						



Table 28. Station 06359500, Moreau River near Faith, South Dakota—Continued

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1976	06-17-76	11,000.00		15.63						1
	06-19-76	8,590.00		14.04						
1977	07-06-77	4,070.00		10.28						0
	03-23-78	15,800.00		17.69						5
1978	05-07-78	1,790.00		7.42						
	05-10-78	3,550.00		9.68						
	05-21-78	1,860.00		7.49						
	07-04-78	2,010.00		7.71						
	07-23-78	2,260.00		8.06						
	07-15-79	2,750.00		8.60						1
	04-20-79	1,590.00		6.96						
	06-16-80	1,460.00		6.82						0
	08-03-81	535.00		4.61						0
	05-22-82	16,700.00		18.04						3
1983	04-01-82	3,220.00		9.04						
	05-31-82	2,850.00		8.58						
	06-20-82	1,620.00		6.79						
	10-11-82	3,110.00		8.91						0
	06-16-84	3,230.00		9.05						5
	05-04-84	2,720.00		8.44						
	06-07-84	2,020.00		7.45						
	06-13-84	2,040.00		7.49						
	06-19-84	3,050.00		8.85						
	06-21-84	2,860.00		8.61						
1985	03-21-85	5,130.00		10.71	2		11.68	03-18-85	1	0
	05-11-86	11,300.00		15.49						5
1986	03-05-86	3,700.00	9							
	04-08-86	2,390.00		7.74						
	04-20-86	3,120.00		8.74						
	04-27-86	3,100.00		8.71						
	09-28-86	4,840.00		10.64						
	03-07-87	6,000.00		13.09	1					4
	03-21-87	2,510.00		7.75						
	04-03-87	3,070.00		8.53						
	05-27-87	3,380.00		8.95						
	05-29-87	1,850.00		6.73						
1988	07-01-88	3,780.00		9.45						0
	05-03-89	4,130.00		9.46						1
1989	04-30-89	3,500.00		8.78						
	05-28-90	439.00		3.73	2		7.22	02-27-90	1	0
	06-01-91	1,340.00		5.79						0
	07-14-92	1,680.00		6.38						0

Table 28. Station 06359500, Moreau River near Faith, South Dakota—Continued

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1993	07-27-93	6,590.00		12.96						8
	03-28-93	2,350.00		8.00						
	05-08-93	2,840.00		8.79						
	05-11-93	3,950.00		10.39						
	06-10-93	2,450.00		8.17						
	07-03-93	4,930.00		11.64						
	07-11-93	2,290.00		7.90						
	07-21-93	4,690.00		11.34						
	08-03-93	2,690.00		8.55						
	03-05-94	3,750.00		14.37	1					
1994									0	

**Table 29.** Station 06359700, Thunder Butte Creek tributary near Meadow, South Dakota

Station locator                      Drainage area:                      3.00 mi<sup>2</sup>  
 Latitude Longitude                      Contributing                      drainage area:                      3.00 mi<sup>2</sup>  
 452639 1020521                      Gage datum:                      Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1970	05-07-70	145.00		8.00						0
1971	03-13-71	35.00		6.43	1					0
1972	05-21-72	79.00		5.93						0
1973	04-20-73	20.00		3.76						0
1974	-- -74	5.00								0
1975	04-28-75	78.00		5.90						0
1976	-- -76	3.00								0
1977	07-06-77	40.00		4.60						0
1978	04- -78	20.00		6.71	1					0
1979	04- -79	5.00		3.35	1					0

**Table 30. Station 06359850, Elm Creek tributary near Dupree, South Dakota**

Station locator  
 Latitude Longitude  
 450312 1013839

Drainage area: 4.16 mi<sup>2</sup>  
 Contributing  
 drainage area: 4.16 mi<sup>2</sup>  
 Gage datum:  
 Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1970	05-14-70	42.00		3.11						0
1971	05-23-71	110.00		3.66						0
1972	05-22-72	410.00		6.35						0
1973	05-27-73	61.00		3.22						0
1974	04-19-74	120.00		3.78						0
1975	04-28-75	494.00		6.89						0
1976	06-23-76	115.00		3.71						0
1977	06-21-77	245.00		5.07						0
1978	04- -78	75.00		7.56	1					0
1979	04- -79	25.00	2							0

**Table 31. Station 06360000, Moreau River near Eagle Butte, South Dakota**

Station locator  
 Latitude Longitude  
 451120 1011305  
 Drainage area: 4,320.00 mi<sup>2</sup>  
 Contributing drainage area: 4,320.00 mi<sup>2</sup>  
 Gage datum: 1,792.00 ft above sea level  
 Base discharge 1,100.00 ft<sup>3</sup>/s

Note: Blanks indicate no information except for discharge code and gage-height code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1944	04-09-44	27,000.00		23.00					5
	06-07-44	5,190.00		9.70					
	06-16-44	2,380.00		7.10					
	06-19-44	16,900.00		17.10					
	06-26-44	5,300.00		9.80					
1945	07-14-44	2,780.00		7.50					
	03-17-45	6,290.00		10.50	2	13.10	03-14-45	1	1
	06-09-45	2,290.00		6.80					
1946	05-27-46	2,470.00		7.00					4
	06-04-46	1,590.00		6.00					
	06-23-46	2,020.00		6.50					
	06-29-46	1,430.00		5.80					
	07-02-46	1,360.00		5.70					
1947	03-24-47	10,800.00		14.36	2	17.86	03-22-47	1	4
	02-17-47	6,840.00		12.60	1				
	04-06-47	2,470.00		7.30					
	04-11-47	1,760.00		6.40					
	06-22-47	10,600.00		13.20					
1948	03-17-48	3,420.00		8.24	2	12.50	03-15-48	1	3
	04-24-48	1,360.00		5.71					
	06-22-48	1,590.00		6.03					
	07-20-48	1,930.00		6.10					
1949	03-28-49	9,400.00		12.62					1
	03-09-49	3,700.00		9.10	1				
1950	04-18-50	22,200.00		20.23					2
	04-08-50	12,500.00		14.42					
1951	05-09-50	4,100.00		8.68					2
	03-27-51	4,200.00		11.50	1				
	08-14-51	1,310.00		5.65					
1952	08-31-51	2,920.00		7.40					2
	04-04-52	27,400.00		21.70					
	02-14-52	4,070.00		10.50	1				
1953	06-29-52	1,440.00		5.68					6
	06-15-53	30,300.00		22.01					
	03-18-53	8,160.00		10.90	1				
	03-22-53	7,880.00		10.54					
	05-02-53	2,730.00		6.64					

Table 31. Station 06360000, Moreau River near Eagle Butte, South Dakota—Continued

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1953	06-09-53	3,040.00		7.07					
	06-22-53	6,980.00		9.52					
	08-21-53	1,650.00		5.58					
1954	06-11-54	3,090.00		6.96					4
	05-25-54	1,460.00		5.30					
	05-29-54	1,360.00		5.17					
	06-05-54	1,120.00		4.87					
1955	06-08-54	2,990.00		6.72					0
	09-25-55	452.00		3.73					1
1956	03-20-56	4,500.00				9.20	03-18-56	1	
	07-06-56	1,980.00		5.85					0
1957	05-26-57	3,400.00		7.50					
	06-12-58	2,180.00		7.00					2
	06-20-58	1,120.00		5.48					
1958	06-20-58	1,120.00		6.45					
	07-05-58	1,870.00							

**Table 32. Station 06360350, Little Moreau River tributary near Firesteel, South Dakota**

Station locator                      Drainage area:                      2.09 mi<sup>2</sup>  
 Latitude Longitude                Contributing  
    drainage area:                      2.09 mi<sup>2</sup>  
 452416 1011330                      Gage datum:  
    Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since (ft)	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1970	06-12-70	1.00		2.71						0
1971	04-20-71	40.00		4.14						0
1972	05-22-72	34.00		4.01						0
1973	03-14-73	20.00		4.85	1					0
1974	- -74	4.00								0
1975	04-28-75	75.00		5.45	1					0
1976	- -76	1.00								0
1977	06-15-77	15.00		3.48						0
1978	04- -78	78.00		4.89						0
1979	04- -79	12.00		3.40						0

**Table 33. Station 06360500, Moreau River near Whitehorse, South Dakota**

Station locator  
 Latitude Longitude  
 451521 1005033

Drainage area: 4,880 mi<sup>2</sup>  
 Contributing drainage area: 4,880 mi<sup>2</sup>  
 Gage datum: 1,661.48 ft above sea level  
 Base discharge: 1,800 ft<sup>3</sup>/s

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1953	06--53			26.20						0
1955	03-09-55	530.00		6.49						0
1956	03-21-56	5,000.00		10.90	2		12.67	03-18-56	1	1
	07-07-56	1,800.00		7.63						
1957	05-25-57	10,100.00		15.70						1
	05-29-57	2,840.00		8.70						
1958	07-05-58	3,360.00		8.97						1
	06-13-58	1,960.00		7.52						
1959	03-12-59	1,780.00		7.40						0
1960	05-25-60	6,080.00		13.09						2
	03-25-60	3,610.00		9.80	1					
	06-20-60	3,550.00		9.36						0
1961	06-14-61	5,720.00		12.81						6
1962	05-22-62	17,500.00		21.00						
	03-21-62	3,000.00								
	05-31-62	5,390.00		12.70						
	06-09-62	3,050.00		9.37						
	06-13-62	7,340.00		14.80						
	06-17-62	6,540.00		14.00						
	08-10-62	4,690.00		11.80						
1963	06-20-63	3,130.00		9.15						0
1964	05-03-64	3,200.00		9.70	2		9.75	04-15-64	1	1
	06-12-64	1,920.00		7.70						
1965	05-29-65	6,500.00		13.70						2
	05-15-65	5,240.00		11.80						
	06-26-65	3,720.00		9.88						1
1966	03-17-66	14,400.00		20.02						2
	03-31-66	3,500.00								
1967	06-16-67	14,500.00		20.07						2
	05-12-67	5,660.00		13.04						
	06-10-67	4,640.00		11.74						
1968	06-08-68	3,120.00		9.33						0
1969	03-24-69	7,370.00		15.17						3
	04-03-69	5,030.00		12.11						
	07-10-69	5,370.00		12.55						
	07-25-69	2,630.00		8.19						
1970	05-09-70	7,260.00		14.78						2
	04-28-70	4,110.00		10.69						
	05-14-70	2,400.00		7.90						



Table 33. Station 06360500, Moreau River near Whitehorse, South Dakota—Continued

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest gage height since (ft)	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1971	03-17-71	10,300.00		17.64						6
	03-30-71	6,310.00		13.73						
	04-21-71	2,240.00		7.87						
	05-23-71	1,840.00		7.00						
	06-10-71	1,920.00		7.10						
	06-19-71	2,010.00		7.29						
	07-12-71	2,020.00		7.32						
1972	03-14-72	21,000.00		26.20	1					4
	05-01-72	3,060.00		9.45						
	05-15-72	2,570.00		8.60						
	05-23-72	7,350.00		15.20						
	05-28-72	5,000.00		12.27						
	03-03-73	4,000.00		12.29	1					
	04-22-73	2,120.00		6.89						
1974	04-21-74	770.00		4.43						0
	05-11-75	10,900.00		17.99						
	04-14-75	5,120.00		12.15						
	05-01-75	7,380.00		15.18						
	06-19-76	8,600.00		16.34						
1976	06-21-76	7,390.00		15.19						2
	06-25-76	2,500.00		7.83						
	07-08-77	3,160.00		9.29						
	03-24-78	25,600.00		25.31						
	04-25-78	2,640.00		8.41						
1977	05-01-78	1,950.00		7.02						0
	05-09-78	2,380.00		7.53						
	05-12-78	5,520.00		12.75						
	07-01-78	1,920.00		6.95						
	07-25-78	1,860.00		6.85						
	07-17-79	2,350.00		7.81	2		11.40	03-19-79	1	
	03-25-79	2,300.00		7.85						
1979	06-23-79	2,020.00		7.16						2
	03-28-80	333.00		2.87	2		5.34	01-09-80	1	
	10-16-80	1,380.00		5.85						
	05-24-82	27,700.00		26.00						
	04-01-82	5,060.00		12.10						
1980	05-17-82	7,810.00		15.64						0
	06-02-82	2,640.00		8.41						
	10-13-82	3,740.00		10.22						
	05-14-83	2,080.00		7.23						
	06-17-84	3,780.00		10.27						
	04-26-84	1,880.00		6.88						
	05-06-84	2,430.00		7.97						
1981	06-21-84	2,970.00		8.95						0
	06-23-84	2,610.00		8.30						
	06-23-84	2,610.00		8.30						
	06-23-84	2,610.00		8.30						
	06-23-84	2,610.00		8.30						
1982	06-23-84	2,610.00		8.30						3
	06-23-84	2,610.00		8.30						
	06-23-84	2,610.00		8.30						
	06-23-84	2,610.00		8.30						
	06-23-84	2,610.00		8.30						
1983	06-23-84	2,610.00		8.30						1
	06-23-84	2,610.00		8.30						
	06-23-84	2,610.00		8.30						
	06-23-84	2,610.00		8.30						
	06-23-84	2,610.00		8.30						
1984	06-23-84	2,610.00		8.30						4
	06-23-84	2,610.00		8.30						
	06-23-84	2,610.00		8.30						
	06-23-84	2,610.00		8.30						
	06-23-84	2,610.00		8.30						

Table 33. Station 06360500, Moreau River near Whitehorse, South Dakota—Continued

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since (ft)	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1985	03-21-85	5,920.00		13.35						0
	05-11-86	14,000.00		19.77						7
1986	03-05-86	11,700.00		18.17						
	03-08-86	12,400.00		18.69						
	04-09-86	2,620.00		7.76						
	04-19-86	7,850.00		14.67						
	04-29-86	4,210.00		10.20						
	05-24-86	4,710.00		10.91						
	09-30-86	4,360.00		10.33						
	03-23-87	21,200.00		23.79	2	24.20	03-09-87	1		5
	03-09-87	9,000.00		24.20	1					
	04-03-87	11,400.00		17.94						
	05-24-87	8,150.00		14.98						
	05-27-87	8,000.00		14.83						
1988	05-31-87	1,910.00		6.49						
	07-04-88	3,250.00		8.77						1
1989	06-30-88	2,130.00		6.91						
	05-02-89	4,820.00		11.05						2
	03-27-89	1,810.00		6.32						
	05-05-89	4,100.00		10.04						
1990	07-27-90	1,310.00		5.29						0
	05-23-91	4,050.00		10.20	2	8.78	03-03-90	1		1
1991	05-31-91	1,920.00		6.69						
	08-01-92	1,160.00		5.09						
1992	07-22-93	10,700.00		18.02						
	03-10-93	7,960.00		15.65						
	03-17-93	2,560.00		8.02						
	03-18-93	2,510.00		7.94						
	03-19-93	3,180.00		9.12						
	03-29-93	2,450.00		7.84						
	05-10-93	2,800.00		8.44						
	05-13-93	4,080.00		10.61						
	06-09-93	2,690.00		8.20						
	06-10-93	2,740.00		8.29						
	06-12-93	2,850.00		8.47						
	06-16-93	5,220.00		12.30						
	07-04-93	4,960.00		11.92						
	07-14-93	5,040.00		12.05						
	07-19-93	1,900.00		6.81						
	07-29-93	6,080.00		13.51						
1994	08-04-93	2,570.00		8.05						
	03-05-94	10,000.00		23.25	1					1
	07-07-94	2,110.00		7.26						

**Table 34. Station 06361000, Moreau River at Promise, South Dakota**

Drainage area: 5,223 mi<sup>2</sup>  
 Contributing drainage area: 5,223 mi<sup>2</sup>  
 Gage datum: 1,587.01 ft above sea level  
 Base discharge: 1,300 ft<sup>3</sup>/s

Station locator  
 Latitude Longitude  
 452042 1003609

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1929	03-24-29	5,850.00		11.56						5
	03-14-29	5,780.00		11.50						
	03-28-29	3,750.00		8.80						
	05-31-29	3,870.00		8.00						
	06-02-29	4,290.00		8.30						
	06-07-29	2,990.00		7.30						
1930	06-24-30	3,980.00		9.06						3
	02-24-30	1,400.00								
	04-19-30	1,640.00		5.90						
	05-09-30	1,390.00		5.40						
1931	04-02-31	1,370.00		5.30						0
	06-12-32	5,600.00		11.40						
1932	03-02-32	2,870.00		7.50						10
	03-24-32	2,240.00		8.60						
	04-28-32	3,570.00		8.50						
	05-03-32	3,990.00		9.10						
	06-02-32	1,530.00		5.50						
	06-04-32	2,870.00		7.50						
	06-08-32	1,410.00		5.30						
	06-18-32	2,870.00		7.50						
	06-29-32	2,730.00		7.30						
	08-18-32	4,620.00		10.00						
	05-26-33	9,960.00		16.80						
	04-24-33	2,310.00		6.70						
	05-15-33	1,410.00		5.30						
	06-26-34	630.00		3.60						
	06-06-35	4,200.00		9.45						
	07-10-35	3,780.00		8.80						
07-22-35	1,770.00		5.92							
06-08-36	1,310.00		5.12							
06-16-37	9,100.00		15.80							
1937	03-06-37	3,160.00		8.30						6
	04-07-37	1,380.00		5.37						
	04-15-37	1,830.00		6.16						
	06-07-37	6,300.00		12.57						
	07-15-37	5,500.00		11.60						
	07-18-37	5,190.00		11.25						

Table 34. Station 06361000, Moreau River at Promise, South Dakota—Continued

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1938	06-24-38	4,500.00		10.32						4
	05-23-38	1,600.00		5.95						
	07-08-38	1,710.00		6.16						
	09-06-38	3,920.00		9.46						
	09-10-38	1,950.00		6.52						
1939	06-27-39	2,320.00		7.22	2		7.67	03-24-39	1	1
	03-24-39	2,130.00		7.67	1					
1940	06-09-40	1,060.00		4.58						0
1941	06-13-41	12,900.00		20.04						4
	04-30-41	1,710.00		5.70						
	06-01-41	3,420.00		8.81						
	06-04-41	1,950.00		6.64						
	06-08-41	7,180.00		14.36						
	06-06-42	9,730.00		17.00						
	05-01-42	5,610.00		12.73						
	05-17-42	8,130.00		15.43						
	07-02-42	2,640.00		8.95						
	07-29-42	3,690.00		10.37						
1942	08-02-42	1,880.00		7.88						5
	02-23-43	12,900.00		20.00						
	03-01-43	4,100.00		10.44						
	03-24-43	11,000.00		18.30						
	03-28-43	10,300.00		17.65						
	06-14-43	11,200.00		18.43						
	07-07-43	6,100.00		13.00						
	04-11-44	22,800.00		23.20						
	06-08-44	4,860.00		10.34						
	06-20-44	12,800.00		18.75						
1945	03-17-45	6,500.00		13.70	2		21.08	03-14-45	1	1
	06-07-45	5,200.00		10.70						
	06-24-46	2,220.00		6.94						
	05-29-46	1,820.00		6.45						
	06-05-46	1,660.00		6.20						
1946	06-28-46	1,980.00		6.60						5
	06-30-46	1,590.00		6.10						
	07-03-46	1,660.00		6.20						
	03-25-47	29,500.00		24.40						
	02-16-47	6,000.00		12.50	1					
	03-30-47	4,060.00		9.60	1					
	04-06-47	4,690.00		9.70						
	04-11-47	2,380.00		7.10						
	04-15-47	1,590.00		6.10						
	06-23-47	11,700.00		16.00						
1948	03-19-48	9,000.00		19.79	1					2
	04-25-48	2,810.00		8.40						
	06-23-48	1,450.00		6.40						

**Table 34. Station 06361000, Moreau River at Promise, South Dakota—Continued**

Water Year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1949	03-29-49	11,300.00		16.20	2		22.05	03-26-49	1	1
	03-09-49	5,000.00		11.30						
	04-19-50	20,900.00		21.80						3
1950	03-26-50	3,200.00		11.30	1					
	04-08-50	13,600.00		18.00						
	05-08-50	7,470.00		13.10						
1951	03-28-51	3,600.00		11.33	2		12.78	03-28-51	1	3
	06-20-51	1,970.00		7.43						
	08-14-51	2,300.00		7.80						
1952	08-30-51	3,440.00		9.02						
	04-05-52	36,900.00		24.16						1
	02-16-52	5,700.00		12.80	1					
1953	06-15-53	34,300.00		23.80						4
	03-23-53	8,730.00		13.59						
	05-02-53	3,700.00		8.95						
1954	06-10-53	4,810.00		10.06						
	06-21-53	6,400.00		11.54						
	06-12-54	4,350.00		9.60						0
1955	03-10-55	700.00		6.90	1					0
	03-21-56	5,540.00		10.85	1					1
	07-08-56	3,160.00		8.40						
1957	05-25-57	15,000.00		18.50						1
	05-21-57	2,460.00		8.10						
	07-06-58	3,050.00		8.30						2
1958	03-26-58	2,370.00		7.80						
	06-13-58	1,570.00		6.72						

**Table 35.** Station 06361020, Swan Lake tributary near Bowdle, South Dakota

Station locator Latitude Longitude  
 Drainage area: 27.1 mi<sup>2</sup>  
 Contributing drainage area: 27.1 mi<sup>2</sup>  
 Gage datum: 452657 0994434  
 Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1970	04-28-70	65.00		4.60						0
1971	04-08-71	75.00		4.80						0
1972	05-01-72	23.00		3.63						0
1973	03-14-73	15.00		5.01	1					0
1974	10-12-73	43.00		4.07						0
1975	05-19-75	11.00		3.33						0
1976	06-16-76	5.00		3.06						0
1977	03- -77	3.00								0
1978	05-12-78	91.00		5.12						0
1979	04- -79	6.00		3.11						0

**Table 36. Station 06395000, Cheyenne River at Edgemont, South Dakota**

Drainage area: 7,143 mi<sup>2</sup>  
 Contributing drainage area: 7,143 mi<sup>2</sup>  
 Gage datum: 3,414.56 ft. above sea level  
 Base discharge: 1,500 ft<sup>3</sup>/s

Station Locator  
 Latitude Longitude  
 431820 1034914

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water Year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1905	07-30-05	13,000.00	7	10.50						0
1920	05-12-20			13.00						0
1922	05-01-22			14.00						0
1929	06-03-29	10,500.00	5	9.86						0
1930	08-18-30	4,090.00	5	7.00						0
1931	10-04-30	3,690.00	5	6.80						0
1932	06-18-32	5,560.00	5	7.70						0
1947	06-22-47	2,800.00	5	6.70						0
1948	06-18-48	3,490.00	5	7.15						2
	06-23-48	2,230.00	5	6.24						
	07-18-48	2,370.00	5	6.60						
1949	06-07-49	1,510.00	5	5.82						0
1950	06-19-50	1,820.00	5	6.00						1
	07-22-50	1,550.00	5	5.81						
1951	07-03-51	4,000.00	5	7.44						6
	06-19-51	2,160.00	5	4.27						
	06-23-51	2,510.00	5	6.49						
	07-30-51	2,440.00	5	6.35						
	08-01-51	3,910.00	5	7.32						
	09-05-51	2,580.00	5	6.56						
	09-08-51	2,090.00	5	6.20						
1952	06-28-52	8,940.00	5	9.29						2
	05-24-52	6,700.00	5	6.30						
	06-04-52	3,820.00	5	6.96						
1953	05-31-53	2,050.00	5	5.75						0
1954	05-22-54	5,150.00	5	7.57						1
	08-06-54	1,520.00	5	5.62						
1955	08-08-55	5,660.00	5	8.02						4
	04-12-55	2,360.00	5	6.29						
	04-15-55	2,220.00	5	6.19						
	05-18-55	1,850.00	5	5.94						
	06-04-55	1,520.00	5	5.69						
1956	06-19-56	2,820.00	5	6.12						1
	05-29-56	1,560.00	5	5.56						
1957	05-25-57	7,980.00	5	9.05						2
	06-11-57	3,290.00	5	6.82						
	08-17-57	2,480.00	5	6.28						

Table 36. Station 06395000, Cheyenne River at Edgemont, South Dakota—Continued

Water Year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1958	07-20-58	5,160.00	5	7.71						2
	07-11-58	4,190.00	5	7.31						
	07-31-58	5,120.00	5	7.68						
	06-24-59	1,450.00	5	5.47						0
	06-10-60	1,320.00	5	5.35						0
	07-09-61	1,260.00	5	5.50	2		5.75	06-14-61		0
1962	06-17-62	13,500.00	5	11.46						6
	05-23-62	9,120.00	5	9.45						
	05-27-62	12,900.00	5	11.17						
	06-13-62	2,700.00	5	5.75						
	06-21-62	2,350.00	5	5.35						
	07-05-62	1,730.00	5	5.10						
1963	07-14-62	5,900.00	5	7.67						2
	06-07-63	2,780.00	5	5.83						
	06-05-63	2,190.00	5	5.49						
	09-02-63	1,520.00	5	5.15						1
	06-12-64	2,480.00	5	5.61						
	06-17-64	1,680.00	5	5.07						2
1965	06-17-65	8,800.00	5	9.30						
	05-15-65	1,780.00	5	5.15						1
	05-25-65	1,950.00	5	5.40						
	07-16-66	3,130.00	5	6.02						1
	06-24-67	4,340.00	5	6.86						1
	06-17-67	2,740.00	5	5.89						0
1968	06-10-68	3,040.00	5	6.24						3
	07-20-69	6,180.00	5	8.19						
	07-17-69	4,090.00	5	6.80						
	07-19-69	4,550.00	5	7.23						
	07-22-69	1,960.00	5	5.53						0
	05-17-70	502.00	5	3.98						4
1971	05-25-71	13,800.00	5	10.57						
	04-29-71	1,800.00	5	5.43						
	05-27-71	2,920.00	5	6.09						
	06-01-71	10,500.00	5	9.54						
	06-03-71	3,350.00	5	6.36						
	06-17-72	750.00	5				5.33	03-03-72		0
1973	09-10-73	4,920.00	5	7.31						2
	05-08-73	1,870.00	5	5.31						
	07-22-73	2,550.00	5	5.94						
	03-06-74	394.00	5	3.50	2		4.86	01-23-74	1	0
	06-29-75	799.00	5	4.27						0
	06-18-76	1,830.00	5	5.27						0
1977	07-10-77	2,570.00	5	5.82						0



**Table 36. Station 06395000, Cheyenne River at Edgemont, South Dakota—Continued**

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1978	05-20-78	28,000.00	5	13.65						5
	03-20-78	1,700.00	5	5.34						
	05-10-78	2,280.00	5	5.47						
	05-29-78	2,640.00	5	4.82						
	07-23-78	5,860.00	5	6.57						
1979	07-30-78	2,130.00	5	4.17						1
	08-11-79	3,960.00	5	5.95						
	07-06-79	1,920.00	5	4.32						
	08-17-80	2,500.00	5	4.64						
	07-15-81	3,010.00	5	5.04						
1980	07-19-81	2,570.00	5	4.70						0
	06-03-82	4,160.00	5	6.72						
	07-19-83	1,760.00	5	5.14						
	05-03-84	1,460.00	5	4.94						
	03-19-85	496.00	5	3.01	2		4.87	- -85	1	
1985	06-11-86	2,760.00	5	6.43						0
	03-08-87	2,550.00	5	6.24						
	08-06-88	324.00	5	2.53	2		2.94	03-09-88	1	
	09-22-89	1,610.00	5	5.16						
	07-23-90	1,060.00	5	4.19	2		5.52	03-02-90	1	
1990	06-02-91	8,700.00	5	9.60						0
	05-12-91	3,450.00	5	7.29						
	05-18-91	3,950.00	5	7.45						
	05-25-91	2,470.00	5	6.34						
	07-29-92	341.00	5	2.58						
1992	08-20-93	4,350.00	5	7.56						0
	05-08-93	1,760.00	5	5.27						
	07-03-93	2,040.00	5	5.59						
	03-03-94	2,000.00	5	6.25	1					

**Table 37. Station 06396200, Fiddle Creek near Edgemont, South Dakota**

Station locator                      Drainage area:                      0.64 mi<sup>2</sup>  
 Latitude Longitude                Contributing  
    drainage area:                      0.64 mi<sup>2</sup>  
 431816 1035946                      Gage datum:  
    Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1956	06-18-56	3.00		1.37						0
1957	05-24-57	41.00		2.82						0
1958	07-20-58	43.00		2.87						0
1959	09-24-59	4.00		1.46						0
1960	- -60	1.00								0
1961	08-04-61	68.00		3.53						0
1962	07-14-62	26.00		2.34						0
1963	03-16-63	40.00		2.80						0
1964	06-14-64	19.00		2.10						0
1965	06-12-65	32.00		2.54						0
1966	07-22-66	13.00		1.86						0
1967	06-15-67	8.00		1.69						0
1968	06-25-68	30.00		2.49						0
1969	07-18-69	25.00		2.32						0
1970	04-23-70	2.00		1.24						0
1971	05-22-71	4.00		1.41						0
1972	02-29-72	1.00		1.18						0
1973	03- -73	4.00		1.40						0
1974	07-19-74	19.00		2.12						0
1975	03-27-75	20.00		2.95						0
1976	07-06-76	37.00		2.72						0
1977	08-09-77	44.00		2.93						0
1978	05-04-78	18.00		2.17						0
1979	08-20-79	30.00		2.50						0
1980	06-15-80	275.00		7.89						0

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**Table 38. Station 063996300, Cottonwood Creek tributary near Edgemont, South Dakota**

Station locator                      Drainage area:                      0.09 mi<sup>2</sup>  
 Latitude Longitude                Contributing                              0.09 mi<sup>2</sup>  
    drainage area:  
 431748 1035202                      Gage datum:  
    Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1956	07-08-56	25.00								0
1957	06- -57	14.00								0
1958	07-20-58	41.00								0
1959	07-13-59	23.00								0
1960	- -60	6.00								0
1961	07-20-61	12.00								0
1962	09- -62	38.00								0
1963	06-20-63	38.00								0
1964	06-21-64	35.00								0
1965	07-19-65	86.00		5.65						0
1966	07-14-66	23.00								0
1967	06-15-67	22.00								0
1968	06-25-68	35.00								0
1969	07-18-69	75.00								0
1970	07-12-70	9.00								0
1971	05-22-71	13.00								0
1972	- -72	4.00								0
1973	09-02-73	13.00								0
1974	08-10-74	40.00								0
1975	07-09-75	12.00								0
1976	07-20-76	12.00								0
1977	08-09-77	51.00								0
1978	06-17-78	14.00								0
1979	08-20-79	19.00								0
1980	06-15-80	48.00								0
				2.93						
				3.10						
				3.10						
				4.10						
				3.04						
				3.04						
				4.42						
				3.15						
				3.35						
				4.33						

**Table 39. Station 06396350, Red Canyon Creek tributary near Pringle, South Dakota**

Station locator      Drainage area:      0.20 mi<sup>2</sup>  
 Contributing  
 Latitude Longitude      drainage area:      0.20 mi<sup>2</sup>  
 433222 1033920      Gage datum:  
 Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1970	- -70	5.00								0
1971	05-03-71	30.00		4.01						0
1972	02-29-72	7.00		3.81	1					0
1973	09-02-73	12.00								0
1974	04- -74	5.00		4.02	1					0
1975	04-08-75	7.00		3.96	1					0
1976	- -76	0.00								0
1977	- -77	1.00								0
1978	- -78	0.00								0
1979	- -79	1.00	2							0

**Table 40. Station 06399300, Hat Creek tributary near Ardmore, South Dakota**

Station Locator      Drainage area:      3.74 mi<sup>2</sup>  
 Latitude Longitude      Contributing  
                                  drainage area:      3.74 mi<sup>2</sup>  
 430542 1034025      Gage datum:  
                                  Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1956	03-01-56	1.00								0
1957	05-25-57	270.00								0
1958	07-11-58	11.00								0
1959	07-13-59	8.00								0
1961	07-29-61	10.00								0
1962	06-16-62	265.00								0
1963	03-16-63	510.00								0
1964	06-21-64	320.00								0
1965	05-24-65	255.00								0
1966	08-13-66	6.00								0
1967	06-15-67	300.00								0
1968	06-09-68	320.00								0
1969	03-19-69	45.00								0
1970	- -70	0.00								0
1971	05-23-71	310.00				6.13				0
1972	05-10-72	1.00				3.33				0
1973	04-30-73	4.00				4.12				0
1974	04-11-74	94.00				4.65				0
1975	04-28-75	5.00				4.02				0
1976	07-20-76	338.00				6.33				0
1977	04-12-77	19.00				4.33				0
1978	05-07-78	50.00				4.46				0
1979	07-05-79	96.00				4.66				0

**Table 41. Station 06399700, Piney Creek near Ardmore, South Dakota**

Station locator                      Drainage area:                      7.36 mi<sup>2</sup>  
 Latitude Longitude                      Contributing                      drainage area:                      7.36 mi<sup>2</sup>  
 431114 1033824                      Gage datum:                      Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1956	06-17-56	1,110.00		7.17						0
1957	05-25-57	1,020.00		7.00						0
1958	07-12-58	590.00		6.17						0
1959	07-13-59	1,110.00		7.16						0
1960	04- -60	8.00		2.44						0
1961	07-29-61	295.00		5.32						0
1962	06-16-62	1,440.00		7.72						0
1963	07-23-63	325.00		5.43						0
1964	06-21-64	1,080.00		7.11						0
1965	07-23-65	1,540.00		7.88						0
1966	09- -66	930.00		6.84						0
1967	06-15-67	960.00		6.90						0
1968	06-09-68	1,550.00		7.65						0
1969	07-21-69	330.00		5.44						0
1970	08-11-70	29.00		3.28						0
1971	05-23-71	900.00		6.78						0
1972	07-26-72	820.00		6.65						0
1973	07-20-73	710.00		6.44						0
1974	04-11-74	98.00		4.24						0
1975	06-18-75	235.00		5.12						0

Table 42. Station 06400000, Hat Creek near Edgemont, South Dakota

Station locator  
 Latitude Longitude  
 431424 1033516

Drainage area: 1,044 mi<sup>2</sup>  
 Contributing drainage area: 1,044 mi<sup>2</sup>  
 Gage datum: 3,295.71 ft above sea level  
 Base discharge: 1,000 ft<sup>3</sup>/s

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1905	08-12-05	9,150.00	7							0
1951	07-29-51	2,640.00	5							2
	06-19-51	1,760.00	5							
	07-04-51	1,110.00	5							
1952	06-05-52	1,790.00	5							1
	06-30-52	1,080.00	5							
1953	03-13-53	636.00	5							0
1954	05-23-54	9,430.00	5							0
1955	08-12-55	3,170.00	5							1
	09-21-55	1,790.00	5							
1956	06-18-56	628.00	5							0
1957	05-26-57	5,820.00	5							0
1958	07-21-58	747.00	5							0
1959	06-19-59	1,740.00	5							0
1960	03-22-60	133.00	5							0
1961	03-21-61	200.00	5							0
1962	06-18-62	1,400.00	5							0
	06-12-62	1,120.00	5							1
1963	06-16-63	734.00	5							0
1964	06-18-64	632.00	5							0
1965	05-17-65	916.00	5							0
1966	07-04-66	835.00	5							0
1967	06-16-67	13,300.00	5							1
	06-11-67	6,830.00	5							
1968	06-11-68	2,310.00	5							4
	06-07-68	1,070.00	5							
	06-09-68	2,020.00	5							
	07-11-68	1,420.00	5							
	07-27-68	1,960.00	5							
1969	07-20-69	478.00	5							0
1970	06-13-70	335.00	5							0
1971	05-24-71	1,700.00	5							0
1972	07-22-72	310.00	5							0
1973	04-22-73	685.00	5							0
1974	04-14-74	898.00	5							0
1975	07-11-75	200.00	5							0
1976	06-18-76	373.00	5							0
						8.10				

Table 42. Station 06400000, Hat Creek near Edgemont, South Dakota—Continued

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1977	04-14-77	256.00	5	9.49						0
1978	05-10-78	1,070.00	5	10.51	2		12.78	03-15-78	1	0
1979	08-21-79	784.00	5	10.52						0
1980	02-29-80	346.00	5	10.11	2		12.58	02-21-80	1	0
1981	05-07-81	80.00	5	9.21						0
1982	05-21-82	1,180.00	5	13.71						0
1983	08-05-83	1,370.00	5	14.48						0
1984	06-15-84	819.00	5	12.59						0
1985	07-15-85	61.00	5	8.89	2		9.39	03-16-85	1	0
1986	06-11-86	2,510.00	5	14.16						0
1987	03-07-87	312.00	5	10.45						0
1988	05-22-88	94.00	5	9.27						0
1989	09-23-89	22.00	5	8.39						0
1990	07-23-90	17.00	5	9.80						0
1991	05-17-91	7,870.00	5	17.28						1
1992	05-30-91	1,210.00	5	12.50						0
1993	07-14-92	32.00	5	9.63						1
1993	07-16-93	3,230.00	5	14.94						1
1994	07-03-93	1,250.00	5	12.77						0
1994	05-13-94	144.00	5,B	10.60	2		11.10	03-03-94	1	0



**Table 43. Station 06400497, Cascade Springs near Hot Springs, South Dakota**

Station locator      Drainage area:      0.47      mi<sup>2</sup>  
 Contributing      drainage area:      0.47      mi<sup>2</sup>  
 Latitude Longitude      Gage datum:      3,440.00      ft above sea level  
 432010 1033307      Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1977	07-04-77	49.00		6.25						0
1978	12-30-77	25.00	1							0
1979	07-01-79	24.00	1							0
1980	- -80	22.00	1							0
1981	09-21-81	20.00	1							0
1982	06-05-82	31.00		5.48						0
1983	07-31-83	23.00		5.15						0
1984	05-08-84	24.00	1							0
1985	06-13-85	23.00	1							0
1986	06-01-86	23.00	1							0
1987	06-13-87	23.00	1							0
1988	10-01-87	21.00	1							0
1989	11-01-88	19.00	1							0
1990	05-04-90	20.00	1							0
1991	10-01-90	20.00	1							0
1992	04-28-92	22.00		5.05	2		5.06	05-23-92		0
1993	08-14-93	28.00		5.15						0
1994	07-19-94	25.00		4.81	2		5.04	10-01-93		0

**Table 44. Station 06400500, Cheyenne River near Hot Springs, South Dakota**

Station locator: 431819 1033343  
 Drainage area: 8,710 mi<sup>2</sup>  
 Contributing drainage area: 8,710 mi<sup>2</sup>  
 Gage datum: 3,190.89 ft above sea level  
 Base discharge: 2,000 ft<sup>3</sup>/s

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1915	06-12-15	39,200.00	5							0
1916	06-21-16	6,140.00	5							0
1917	05-22-17	16,100.00	5							0
1918	07-14-18	19,000.00	5							0
1919	07-05-19	10,300.00	5							0
1920	05-12-20	114,000.00	5							0
1943	06-14-43	9,140.00	5	10.66						0
1944	07-11-44	9,000.00	5	11.00						0
1945	06-07-45	3,750.00	5	9.00						0
1946	06-19-46	5,770.00	5	9.86						0
1947	06-22-47	7,430.00	5	10.50						0
1948	06-18-48	3,750.00	5	9.05						4
	03-16-48	2,360.00	5	7.96						
	03-20-48	2,210.00	5	7.94						
	06-24-48	3,020.00	5	8.78						
	07-19-48	2,520.00	5	8.25						
1949	03-02-49	2,850.00	5	8.54						2
	02-27-49	2,070.00	5	7.93						
	03-05-49	2,220.00	5	8.20						
1950	06-19-50	1,930.00	5	7.92						0
1951	07-30-51	6,250.00	5	10.40						7
	06-19-51	3,420.00	5	9.00						
	06-24-51	3,610.00	5	9.12						
	07-03-51	5,400.00	5	10.03						
	08-01-51	5,190.00	5	9.90						
	09-05-51	3,420.00	5	8.95						
	09-09-51	3,050.00	5	8.80						
	09-19-51	3,420.00	5	9.00						
1952	06-28-52	9,450.00	5	11.72						2
	05-24-52	6,950.00	5	10.79						
	06-04-52	4,290.00	5	9.57						
1953	05-31-53	1,620.00	5	7.57						0
1954	05-23-54	7,380.00	5	10.90						0
1955	08-09-55	5,150.00	5	10.15						4
	04-12-55	2,750.00	5	8.49						
	04-16-55	3,120.00	5	8.79						
	05-18-55	2,290.00	5	8.11						
	08-12-55	2,580.00	5	8.52						

Table 44. Station 06400500, Cheyenne River near Hot Springs, South Dakota—Continued

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1956	06-19-56	2,870.00	5	8.59						0
1957	05-25-57	9,870.00	5	12.78						3
	05-21-57	4,710.00	5	9.77						
	06-12-57	4,090.00	5	9.71						
	08-18-57	2,260.00	5	8.49						
1958	07-20-58	5,610.00	5	10.76						2
	07-11-58	4,570.00	5	9.57						
	07-31-58	4,930.00	5	10.29						
1959	06-24-59	1,550.00	5	7.67						0
1960	06-10-60	1,160.00	5	7.28						0
1961	07-10-61	1,030.00	5	7.91						0
1962	06-18-62	15,500.00	5	16.35						5
	05-24-62	7,510.00	5	12.60						
	05-28-62	13,500.00	5	15.45						
	06-03-62	2,120.00	5	9.30						
	06-13-62	2,950.00	5	9.92						
	07-13-62	5,870.00	5	11.72						
1963	06-08-63	2,460.00	5	9.56						0
1964	06-12-64	2,190.00	5	9.17						0
1965	06-19-65	7,380.00	5	13.32						2
	05-16-65	2,360.00	5	9.50						
	05-25-65	2,370.00	5	9.47						
1966	07-16-66	2,450.00	5	9.53						1
	03-12-66	2,290.00	5	9.46						
1967	06-16-67	10,400.00	5	14.90						3
	03-15-67	2,400.00	5	9.55						
	06-13-67	3,820.00	5	10.84						
	06-25-67	5,820.00	5	12.20						
1968	06-10-68	4,690.00	5	12.38						0
1969	07-20-69	7,990.00	5	14.09						2
	07-18-69	3,620.00	5	11.64						
	07-23-69	2,410.00	5	10.62						
1970	05-18-70	590.00	5	8.08						0
1971	05-25-71	14,200.00	5	17.71						1
	06-01-71	8,910.00	5	15.64						
1972	03-05-72	4,460.00	5	12.74						0

**Table 45. Station 06400875, Horsehead Creek at Oelrichs, South Dakota**

Station locator: Drainage area: 187 mi<sup>2</sup>  
 Latitude Longitude Contributing drainage area: 187 mi<sup>2</sup>  
 431117 1031334 Gage datum: 3,320.00 ft above sea level  
 Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1983	06-04-83	4.60		2.81						0
1984	04-30-84	402.00		7.31						0
1985	03-17-85	0.28		2.15	2		2.25	02-22-85	1	0
1986	06-11-86	5,620.00		17.23						0
1987	04-02-87	322.00		6.94						0
1988	07-18-88	63.00		4.16						0
1989	07-27-89	15.00		3.20						0
1990	- -90	0.00								0
1991	05-11-91	8,270.00		18.57						0
1992	03-11-92	1.70		2.42						0
1993	07-17-93	548.00		8.48						0
1994	03-05-94	95.00		5.10						0

**Table 46.** Station 06400900, Horsehead Creek tributary near Smithwick, South Dakota

Station locator Latitude Longitude 431716 1031908  
 Drainage area: Contributing drainage area: 1.52 mi<sup>2</sup> 1.52 mi<sup>2</sup>  
 Gage datum: Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1969	07-18-69	90.00		7.60						0
1970	06-12-70	3.00		3.09						0
1971	05-23-71	12.00		4.09						0
1972	07-21-72	1.00		2.76						0
1973	- -73	7.00								0
1974	- -74	7.00								0
1975	- -75	7.00								0
1976	02-10-76	3.00		4.24	1					0
1977	08-22-77	15.00		4.23						0
1978	08-27-78	66.00		6.50						0
1979	- -79	0.00								0

**Table 47. Station 06401500, Cheyenne River below Angostura Dam, South Dakota**

Station Locator Latitude Longitude 432042 1032612  
 Drainage area: 9,100 mi<sup>2</sup>  
 Contributing drainage area: 9,100 mi<sup>2</sup>  
 Gage datum: 3,058.02 ft above sea level  
 Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest gage height since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1946	06-19-46	5,000.00								0
1947	06-22-47	9,520.00								0
1948	06-19-48	4,050.00								0
1949	03-05-49	4,550.00								0
1950	07-26-50	197.00	6							0
1951	10-01-50	25.00	1,6							0
1952	04-10-52	228.00	6							0
1953	12-14-52	421.00	6							0
1954	03-12-54	159.00	6							0
1955	05-20-55	1,570.00	6	5.66						0
1956	09-04-56	186.00	6	5.38	2		5.45	11-28-55	1	0
1957	05-26-57	9,180.00	6	11.05						0
1958	08-01-58	3,720.00	6	8.92						0
1959	02-18-59	184.00	6	4.41						0
1960	06-21-60	156.00	6	4.28						0
1961	07-29-61	125.00	6	6.75						0
1962	06-18-62	20,500.00	6	13.81						0
1963	06-15-63	2,730.00	6	7.71						0
1964	06-21-64	996.00	6	5.71						0
1965	06-19-65	7,200.00	6	9.77						0
1966	03-16-66	1,180.00	6	5.99						0
1967	06-17-67	10,300.00	6	10.88						0
1968	06-11-68	3,770.00	6	8.20						0
1969	07-21-69	8,820.00	6	10.16						0
1970	05-20-70	160.00	6	3.86						0
1971	05-25-71	17,900.00	6	13.18						0
1972	06-20-72	1,290.00	6	5.97						0
1973	05-09-73	1,250.00	6	5.87						0
1974	02-20-74	758.00	6	4.99						0
1975	06-18-75	8.00	6	3.08						0
1976	01-19-76	2.00	1,6							0
1977	07-08-77	1,330.00	6	6.32	1					0
1978	05-20-78	30,300.00	6	15.97						0
1979	03-22-79	565.00	6	4.59						0
1980	02-26-80	719.00	6	4.92						0
1981	03-02-81	3.60	6	2.85	2		3.27	07-23-81	1	0
1982	06-16-82	1,320.00	6	6.07						0
1983	05-20-83	763.00	6	5.41						0
1984	06-16-84	2,300.00	6	6.94						0

Table 47. Station 06401500, Cheyenne River below Angostura Dam, South Dakota—Continued

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1985	04-03-85	2.50	6	2.96						0
1986	06-12-86	7,110.00	6	9.75						0
1987	03-08-87	2,650.00	6	7.09						0
1988	07-17-88	8.00	6	3.12						0
1989	07-13-89	2.20	6	2.92						0
1990	05-18-90	3.00	6	2.94			4.32	05-24-90	1	0
1991	06-03-91	8,650.00	6	10.67						0
1992	06-15-92	3.20	6	3.01						0
1993	05-09-93	1,540.00	6	6.29						0
1994	03-03-94	2,240.00	6	6.86						0

**Table 48. Station 06402000, Fall River at Hot Springs, South Dakota**

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks	
											Station locator Latitude Longitude
						137 mi <sup>2</sup>					
						137 mi <sup>2</sup>					
						3,413.20 ft above sea level					
						135 ft <sup>3</sup> /s					
Note: Blanks indicate no information, except for discharge-code and gage-height-code columns											
1938	09-04-38	13,100.00								0	
1939	06-15-39	103.00		1.97						0	
1940	04-27-40	691.00		3.47						0	
	07-11-40	677.00		3.44						4	
	07-16-40	157.00		2.16							
	09-23-40	179.00		2.23							
	09-30-40	154.00		2.15							
1941	08-06-41	4,700.00		9.13						1	
	04-13-41	569.00		3.20							
1942	06-04-42	339.00		2.66						1	
	06-02-42	199.00		2.29							
1943	03-23-43	538.00		3.13						2	
	05-29-43	146.00		2.13							
	06-13-43	274.00		2.50							
1944	06-12-44	234.00		2.65						1	
	05-24-44	198.00		2.30							
1945	06-10-45	286.00		2.65						1	
	07-26-45	266.00		2.64							
1946	05-02-46	314.00		2.75						1	
	07-17-46	232.00		2.54							
1947	06-20-47	8,300.00		11.12						3	
	07-10-47	439.00		2.84							
	07-16-47	256.00		2.39							
	07-22-47	172.00		2.15							
1948	08-13-48	1,720.00		5.57						0	
1949	08-17-49	132.00		1.96						0	
1950	07-05-50	141.00		2.57						0	
1951	08-14-51	220.00		2.72						0	
1952	05-18-52	46.00		2.15						0	
1953	09-01-53	119.00	6	2.44						0	
1954	05-22-54	65.00	6	2.24						0	
1955	09-19-55	558.00	6	3.19						0	
1956	05-26-56	46.00	6	2.25	2		2.27	06-17-56		0	
1957	06-06-57	51.00	6	2.23						0	
1958	07-02-58	558.00	6	3.21						0	
1959	06-22-59	188.00	6	2.58						0	
1960	06-11-60	36.00	6	2.14						0	
1961	07-07-61	2,060.00	6	5.90						0	
1962	07-13-62	392.00	6	2.96						0	



Table 48. Station 06402000, Fall River at Hot Springs, South Dakota—Continued

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1963	06-06-63	805.00	6	3.73						0
1964	08-17-64	166.00	6	2.57						0
1965	05-14-65	192.00	6	2.62						0
1966	07-13-66	376.00	6	2.99						0
1967	06-17-67	665.00	6	3.56						0
1968	07-28-68	354.00	6	3.07						0
1969	05-15-69	93.00	6	2.41						0
1970	07-27-70	152.00	6	2.58						0
1971	06-29-71	122.00	6	2.51						0
1972	06-09-72	145.00	6	2.60						0
1973	08-21-73	197.00	6	2.73						0
1974	07-31-74	326.00	6	3.04						0
1975	06-18-75	408.00	6	3.18						0
1976	07-31-76	370.00	6	3.12						0
1977	07-04-77	486.00	6	3.32						0
1978	03-18-78	229.00	6	2.82						0
1979	08-22-79	234.00	6	2.82						0
1980	08-30-80	86.00	6	2.50						0
1981	07-23-81	293.00	6	2.92						0
1982	05-19-82	237.00	6	2.97						0
1983	06-19-83	384.00	6	3.60						0
1984	10-03-83	226.00	6	3.20						0
1985	07-15-85	449.00	6	3.69						0
1986	07-09-86	331.00	6	3.42						0
1987	07-07-87	161.00	6	3.33						0
1988	07-17-88	397.00	6	4.62						0
1989	07-10-89	143.00	6	3.48						0
1990	05-24-90	399.00	6	4.63						0
1991	07-10-91	303.00	6	4.21						0
1992	06-26-92	179.00	6	3.65						0
1993	08-19-93	354.00	6	4.42						0
1994	06-07-94	59.00	6	2.93						0

**Table 49. Station 06402100, Fall River tributary at Hot Springs, South Dakota**

Drainage area: 3.81 mi<sup>2</sup>  
 Contributing drainage area: 3.81 mi<sup>2</sup>  
 Gage datum:  
 Base discharge:

Station locator  
 Latitude Longitude  
 432458 1032918

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1970	07-27-70	40.00		4.17						0
1971	05-30-71	1.00		2.68						0
1972	06-25-72	3.00		2.82						0
1973	- -73	13.00								0
1974	- -74	13.00								0
1975	06-19-75	19.00		3.48						0
1976	07-31-76	19.00		3.48						0
1977	07-04-77	53.00		4.60						0
1978	08-15-78	46.00		4.37						0
1979	06-16-79	29.00		3.80						0

**Table 50. Station 06402500, Beaver Creek near Buffalo Gap, South Dakota**

Station locator Latitude Longitude  
 432756 1031822  
 Drainage area: 130 mi<sup>2</sup>  
 Contributing drainage area: 130 mi<sup>2</sup>  
 Gage datum: 3,150.00 ft above sea level  
 Base discharge: 24.0 ft<sup>3</sup>/s

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since 1927	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1938	09-04-38	11,700.00	5							0
1939	06-21-39	65.00	5	4.90	1					0
1940	04-27-40	116.00	5	4.44	2	4.45	4.45	07-16-40		1
	07-16-40	102.00	5	4.45						
1941	04-13-41	856.00	5	6.41						4
	04-17-41	68.00	5	3.98						
	06-09-41	31.00	5	3.61						
	06-15-41	43.00	5	3.80						
	08-07-41	70.00	5	4.07						
1942	07-18-42	91.00	5	4.44						3
	06-02-42	52.00	5	3.95						
	06-04-42	41.00	5	3.87						
	07-27-42	62.00	5	4.14						
1943	06-13-43	96.00	5	4.31						6
	03-25-43	81.00	5	4.05						
	04-10-43	72.00	5	3.99						
	06-07-43	80.00	5	4.16						
	06-27-43	30.00	5	3.79						
	06-30-43	29.00	5	3.78						
	07-04-43	35.00	5	3.87						
1944	05-25-44	23.00	5	3.61	2		3.70	01-30-44	1	0
1945	06-11-45	64.00	5	3.97						0
1946	05-02-46	102.00	5	4.25						0
1947	06-20-47	1,240.00	5	7.36						3
	06-30-47	87.00	5	4.10						
	07-11-47	59.00	5	3.84						
	07-22-47	330.00	5	5.28						
1948	07-14-48	25.00	5	3.36	2		3.67	02-12-48	1	0
1949	07-14-49	21.00	5	3.34	2		4.45	01-20-49	1	0
1950	08-13-50	38.00	5	3.81	2		4.30	02-02-50	1	0
1951	09-07-51	85.00	5	4.68						1
	06-23-51	25.00	5	3.85						
1952	05-23-52	51.00	5	4.01	2		4.77	01-01-52	1	1
	06-03-52	26.00	5	3.67						
1953	- -53	11.00	1,5							0
1954	08-20-54	670.00	5	6.25			4.16	01-16-53	1	0
1955	08-10-55	2,750.00	5	10.15						1
	09-20-55	121.00	5	4.57						
1956	12-23-55	13.00	5	3.39	2		3.73	02-01-56	1	0

**Table 50. Station 06402500, Beaver Creek near Buffalo Gap, South Dakota—Continued**

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1957	06-13-57	432.00	5	5.59						3
	05-25-57	48.00	5	4.08						
	06-16-57	47.00	5	4.05						
1958	06-27-57	26.00	5	3.82						2
	07-30-58	381.00	5	6.06						
	07-03-58	279.00	5	5.76						
1959	07-18-58	74.00	5	4.84						0
	08-02-59	83.00	5	4.45						0
	12-24-59	21.00	5	3.67	2	03-03-60	4.17	03-03-60	1	0
1960	11-17-60	16.00	5	3.79	2	12-04-60	4.37	12-04-60	1	0
	07-13-62	601.00	5	6.54						4
	05-21-62	34.00	5	4.47						
1962	05-28-62	66.00	5	4.82						
	06-17-62	48.00	5	4.64						
	07-04-62	71.00	5	4.86						4
1963	06-07-63	1,440.00	5	8.36						
	06-03-63	62.00	5	4.76						
	06-15-63	393.00	5	5.99						
1964	07-06-63	40.00	5	4.49						0
	07-14-63	829.00	5	6.99						2
	06-16-64	304.00	5	5.78						
1965	05-24-65	308.00	5	5.87						
	03-31-65	31.00	5	4.25						
	06-12-65	42.00	5	4.68						0
1966	07-14-66	1,430.00	5	8.38						2
	06-23-67	109.00	5	5.09						
	06-07-67	40.00	5	4.50						
1967	06-18-67	42.00	5	4.53						0
	06-07-68	111.00	5	5.10						1
	07-17-69	340.00	5	5.89						
1970	03-16-69	26.00	5	4.31						0
	03-10-70	15.00	5	4.04	2	01-07-70	5.15	01-07-70	1	0
	05-04-71	340.00	5	6.04						2
1971	02-13-71	273.00	5	5.79						
	06-29-71	46.00	5	4.70						0
	06-10-72	829.00	5	7.09						0
1972	03-14-73	13.00	5	3.87	2	01-10-73	4.35	01-10-73	1	0
	04-11-74	16.00	5	4.16	2	01-13-74	4.98	01-13-74	1	0
	07-24-75	861.00	5	7.27						1
1975	06-19-75	66.00	5	5.05						0
	07-31-76	660.00	5	7.80						0
	05-05-77	16.00	5	4.15	2	01-09-77	4.65	01-09-77	1	0
1977	03-10-78	157.00	5	6.16	2	03-09-78	6.43	03-09-78	1	0
	07-23-79	192.00	5	6.40						1
	08-17-79	30.00	5	4.79						

Table 50. Station 06402500, Beaver Creek near Buffalo Gap, South Dakota—Continued

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1980	10-29-79	15.00	5	5.36	2		5.95	05-12-80	1	0
1981	10-20-80	14.00	5	4.91						0
1982	05-20-82	19.00	5	4.62						0
1983	12-09-82	12.00	5	4.23						0
1984	06-14-84	21.00	5	4.50	2		5.03	12-30-83	1	0
1985	12-04-84	13.00	5	4.20	2		4.57	02-09-85	1	0
1986	04-26-86	31.00	5	4.91						1
	06-09-86	25.00	5	4.80						1
1987	05-27-87	56.00	5	5.28						1
	05-24-87	26.00	5	4.70						1
1988	01-12-88	19.00	2,5				4.92	01-10-88	1	0
1989	01-22-89	18.00	5	4.65	2		5.17	02-10-89	1	0
1990	06-21-90	12.00	5	4.56	2		5.19	02-17-90	1	0
1991	06-03-91	97.00	5	5.78						1
	05-28-91	30.00	5	5.05						0
1992	09-08-92	23.00	5	4.44						1
1993	08-20-93	49.00	5	5.01						1
	07-27-93	40.00	5	4.85						0
1994	11-25-93	17.00	5	4.45						0

Table 51. Station 06402600, Cheyenne River near Buffalo Gap, South Dakota

Station locator                      Drainage area: 9,810    mi<sup>2</sup>  
 Latitude Longitude                Contributing  
    drainage area: 9,810    mi<sup>2</sup>  
 433005 1030423                      Gage datum: 2,811.45 ft above sea level  
    Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1969	07-21-69	8,620.00	6	9.89						0
1970	04-24-70	429.00	6	4.13						0
1971	05-25-71	17,600.00	6	11.44						0
1972	06-10-72	2,750.00	6	7.24						0
1973	05-10-73	1,140.00	6	5.45						0
1974	02-21-74	762.00	6	4.80	2		6.14	01-23-74	1	0
1975	06-19-75	460.00	6	4.12						0
1976	07-31-76	516.00	6	4.38						0
1977	07-09-77	1,590.00	6	6.18						0
1978	05-21-78	25,000.00	6	13.15						0
1979	03-17-79	600.00	1,6		1					0
1980	02-26-80	1,350.00	6	5.75						0

Table 52. Station 06403300, French Creek above Fairburn, South Dakota

Station locator  
 Latitude Longitude  
 434302 1032203

Drainage area: 105 mi<sup>2</sup>  
 Contributing drainage area: 105 mi<sup>2</sup>  
 Gage datum: 3,850.00 ft above sea level  
 Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1982	06-24-82	194.00	5	2.21						0
1983	05-05-83	50.00	5	1.49						0
1984	07-15-84	166.00	5	2.10						0
1985	09-12-85	23.00	5	1.18	2		2.34	02-21-85	1	0
1986	06-10-86	41.00	5	1.33	2		2.02	02-22-86	1	0
1987	03-07-87	329.00	5	2.73						0
1988	07-16-88	53.00	5	1.45						0
1989	08-14-89	4.60	5	0.79	2		2.13	03-08-89	1	0
1990	05-30-90	141.00	5	2.29						0
1991	06-04-91	304.00	5	2.71						0
1992	06-22-92	32.00	5	1.34						0
1993	06-08-93	266.00	5	2.58						0
1994	03-03-94	110.00	5	1.92						0

**Table 53. Station 06403800, Battle Creek tributary near Keystone, South Dakota**

Station locator      Drainage area:      0.63 mi<sup>2</sup>  
 Latitude Longitude    Contributing  
                                  drainage area:      0.63 mi<sup>2</sup>  
 435528 1032744      Gage datum:  
                                  Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1956	06-56	3.00		4.35						0
1957	06-04-57	4.00		4.52						0
1958	-58	0.00								0
1959	-59	0.00								0
1960	05-60	4.00		4.45						0
1961	05-61	1.00		4.09						0
1962	06-16-62	5.00		4.60						0
1963	06-21-63	4.00		4.50						0
1964	04-06-64	3.00		4.35						0
1965	05-25-65	9.00		4.90						0
1966	04-19-66	2.00		4.21						0
1967	06-23-67	16.00		5.41						0
1968	08-18-68	2.00		4.19						0
1969	04-07-69	4.00		4.51						0
1970	06-12-70	1.00								0
1971	05-31-71	4.00		4.50						0
1972	06-09-72	1,330.00		18.80						0
1973	04-20-73	1.00		4.08						0
1974	-74	1.00								0
1975	04-08-75	2.00		4.25						0
1976	06-15-76	2.00		4.28						0
1977	05-77	1.00								0
1978	05-30-78	1.00		4.10						0
1979	07-04-79	15.00		5.36						0
1980	-80	1.00	4	4.00						0



**Table 54. Station 06404000, Battle Creek near Keystone, South Dakota**

Drainage area: 66.0 mi<sup>2</sup>  
 Contributing drainage area: 66.0 mi<sup>2</sup>  
 Gage datum: 3,800.00 ft above sea level  
 Base discharge: 100 ft<sup>3</sup>/s

Station locator  
 Latitude Longitude  
 435221 1032010

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1946	05-02-46	391.00								0
1947	06-22-47	304.00								0
1962	06-16-62	444.00								6
	05-21-62	351.00		2.76						
	05-26-62	251.00		2.48						
	05-28-62	164.00		2.23						
	06-19-62	178.00		2.27						
	07-01-62	425.00		2.96						
	07-14-62	123.00		2.07						
1963	06-15-63	533.00		2.45						1
	06-21-63	240.00								
1964	06-09-64	171.00								0
1965	05-24-65	718.00								5
	05-14-65	604.00		3.45						
	06-12-65	380.00		2.97						
	06-18-65	524.00		3.29						
	06-23-65	202.00		2.52						
	07-19-65	429.00		3.08						
1966	08-19-66	76.00								0
1967	06-15-67	533.00								2
	06-01-67	191.00		2.48						
	06-24-67	167.00		2.42						
1968	06-25-68	103.00								0
1969	07-17-69	551.00								1
	07-22-69	246.00		2.65						
1970	06-12-70	680.00								2
	05-27-70	146.00		2.28						
	08-06-70	442.00		3.11						
1971	06-01-71	429.00								2
	05-09-71	396.00		3.56						
	05-23-71	157.00		2.78						
1972	06-09-72	26,200.00		14.5	5					1
	06-20-72	300.00								
1973	04-19-73	737.00		6.36						0
1974	07-19-74	35.00								0
1975	07-19-75	239.00		4.43						0
						3.97	08-13-74	1		

Table 54. Station 06404000, Battle Creek near Keystone, South Dakota—Continued

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1976	06-15-76	1,260.00		6.55						5
	05-01-76	115.00		4.02						
	05-23-76	311.00		4.69						
	05-26-76	166.00		4.18						
	06-09-76	117.00		4.03						
1977	04-12-77	27.00		3.99						0
	05-18-78	230.00		4.68						
1978	05-01-78	181.00		4.53						5
	05-04-78	164.00		4.47						
	05-09-78	142.00		4.39						
	05-24-78	122.00		4.31						
	05-30-78	117.00		4.29						
	07-04-79	409.00		5.07						
	07-28-79	119.00		4.25						
	06-17-80	21.00		3.59						
	05-17-81	763.00		5.60						
	05-27-81	112.00		4.18						
1982	06-04-82	101.00		4.22						0
	05-07-83	80.00		4.12						
1983	06-11-84	327.00		4.72						0
	06-15-84	260.00		4.56						
1985	03-18-85	34.00		3.63			4.02	01-02-85	1	0
	05-09-86	105.00		4.05	2		4.31	06-14-86	1	
1986	06-14-86	100.00		4.31	1					1
	10-03-86	75.00		4.11						
1988	06-23-88	9.20		3.54	2		5.16	02-14-88	1	0
	09-21-89	166.00		4.52						
1989	05-30-90	473.00		5.68						0
	07-21-90	205.00		4.89						
1990	06-05-91	620.00		6.00						1
	05-11-91	302.00		5.22						
1991	05-17-91	224.00		4.96						4
	05-28-91	247.00		5.04						
1992	06-03-91	530.00		5.81						0
	06-22-92	37.00		3.92						
1993	06-07-93	1,250.00		6.63						4
	05-06-93	473.00		5.68						
1994	05-08-93	409.00		5.52						0
	05-22-93	124.00		4.52						
1994	06-04-93	122.00		4.52						0
	05-14-94	35.00	9	3.91	2		4.06	02-20-94	1	

**Table 55. Station 06404998, Grace Coolidge Creek near Game Lodge, near Custer, South Dakota**

Station locator  
 Latitude Longitude  
 434540 1032149

Drainage area: 25.2 mi<sup>2</sup>  
 Contributing drainage area: 25.2 mi<sup>2</sup>  
 Gage datum: 4,100.00 ft above sea level  
 Base discharge: 25.0 ft<sup>3</sup>/s

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1972	06-10-72	709.00	7	10.35						0
1976	06-15-76	980.00	7	10.90						0
1977	07-27-77	63.00		8.11	2		9.33	01-15-77	1	0
1978	05-18-78	102.00		8.48	2		9.38	01-29-78	1	3
	05-24-78	36.00		7.97						
	05-30-78	33.00		7.91						
	07-02-78	32.00		7.79						
1979	07-04-79	226.00		8.89	2		12.76	02-09-79	1	3
	07-16-79	40.00		7.93						
	07-23-79	31.00		7.83						
	07-31-79	59.00		8.08						
1980	10-11-79	15.00		7.53						0
1981	05-18-81	370.00		9.49						1
	08-15-81	38.00		7.74						
1982	06-03-82	41.00		7.98						2
	05-23-82	31.00		7.85						
	06-17-82	31.00		7.86						
1983	05-07-83	16.00		7.58	2		7.85	11-23-82	1	0
1984	05-10-84	41.00		8.03	2		8.82	12-23-83		3
	06-11-84	39.00		7.95						
	06-17-84	26.00		7.77						
	07-15-84	34.00		7.88						
1985	10-05-84	2.30		7.02	2		9.81	-85	1	0
1986	06-10-86	22.00		7.76	2		8.50	01-07-86	1	0
1987	03-21-87	102.00		8.45						0
1988	08-03-88	336.00		9.42						0
1989	09-07-89	1,030.00		10.84						2
	08-14-89	52.00		7.95						
	08-16-89	34.00		7.79						
1990	05-30-90	442.00		9.72						1
	06-16-90	29.00		7.79						
1991	06-03-91	254.00		9.08						3
	05-23-91	120.00		8.50						
	05-28-91	160.00		8.70						
	06-01-91	144.00		8.62						
1992	06-22-92	15.00		7.60						0

Table 55. Station 06404998, Grace Coolidge Creek near Game Lodge, near Custer, South Dakota—Continued

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1993	06-07-93	298.00		9.26						6
	05-06-93	54.00		8.12						
	05-08-93	66.00		8.20						
	06-04-93	41.00		7.95						
	06-17-93	35.00		7.89						
	07-17-93	28.00		7.79						
1994	08-19-93	36.00		7.90						0
	10-14-93	19.00		7.64						

**Table 56. Station 06405000, Grace Coolidge Creek near Custer, South Dakota**

Station locator  
 Latitude Longitude  
 434540 1032142

Drainage area: 25.3 mi<sup>2</sup>  
 Contributing drainage area: 25.3 mi<sup>2</sup>  
 Gage datum: 4,100.00 ft above sea level  
 Base discharge: 25.0 ft<sup>3</sup>/s

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1946	06-18-46	67.00								0
1947	06-21-47	206.00								0
1967	06-12-67	151.00		2.45						0
1968	06-09-68	29.00		1.81	2		2.39	01-01-68	1	0
1969	07-05-69	52.00		1.98	2		2.42	02-10-69	1	0
1970	08-06-70	196.00		2.61						2
	06-12-70	153.00		2.47						
	08-11-70	57.00		1.95						
1971	05-21-71	109.00		2.27	2		3.28	02-13-71	1	6
	02-13-71	90.00								
	04-22-71	58.00		2.13						
	04-30-71	47.00		2.22						
	06-01-71	74.00		2.10						
	06-07-71	38.00		1.83						
	06-13-71	30.00		1.77						
1972	06-10-72	709.00		4.64						1
	06-19-72	96.00		2.25						
1973	04-20-73	46.00		1.95						0
1974	10-13-73	6.00		1.43						0
1975	06-19-75	83.00		2.28						0
1976	06-15-76	980.00		5.44						3
	05-04-76	39.00		1.91						
	05-23-76	134.00		2.51						
	06-09-76	326.00		3.34						
1977	07-27-77	63.00	2							0

Table 57. Station 06406000, Battle Creek at Hermosa, South Dakota

Station locator  
 Latitude Longitude  
 434941 1031144

Drainage area: 178 mi<sup>2</sup>  
 Contributing drainage area: 178 mi<sup>2</sup>  
 Gage datum: 3,290.00 ft above sea level  
 Base discharge: 150 ft<sup>3</sup>/s

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1950	07-02-50	149.00								0
1951	06-24-51	163.00								0
1952	05-22-52	2,950.00								0
1953	06-19-53	519.00								0
1954	08-26-54	7.00								0
1955	06-17-55	16.00								0
1956	07-02-56	869.00								0
1957	07-28-57	1,950.00								0
1958	05-04-58	153.00								0
1959	06-29-59	34.00								0
1960	05-27-60	262.00								0
1961	07-19-61	190.00								1
	06-13-61	159.00								
1962	07-13-62	1,820.00								7
	05-22-62	624.00								
	05-26-62	467.00								
	05-28-62	558.00								
	06-17-62	978.00								
	06-20-62	240.00								
	06-24-62	1,170.00								
	07-01-62	688.00								
1963	06-16-63	891.00								3
	04-28-63	268.00								
	06-06-63	348.00								
	06-21-63	260.00								
1964	06-09-64	164.00								0
1965	05-24-65	974.00								5
	05-15-65	896.00								
	06-12-65	534.00								
	06-18-65	668.00								
	06-23-65	239.00								
	07-20-65	508.00								
1966	08-19-66	90.00								0
1967	06-12-67	984.00								1
	06-24-67	227.00								
1968	08-07-68	341.00								0
1969	07-17-69	484.00								2
	07-21-69	216.00								
	09-17-69	457.00								
				12.44						
				6.47						
				5.55						
				6.10						
				8.55						
				3.85						
				9.60						
				6.85						
				7.92						
				3.89						
				4.47						
				4.04						
				3.22						
				8.23						
				7.77						
				5.64						
				6.83						
				3.76						
				5.47						
				2.78						
				8.75						
				3.90						
				4.51						
				5.39						
				3.63						
				5.26						

Table 57. Station 06406000, Battle Creek at Hermosa, South Dakota—Continued

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1970	06-12-70	520.00		5.60						0
1971	06-01-71	653.00		6.83						2
	05-10-71	542.00		5.75						
	05-23-71	152.00		3.68						
1972	06-09-72	21,400.00		17.72						2
	06-18-72	322.00		5.47						
	06-20-72	349.00		5.62						
1973	04-20-73	261.00		5.12						0
1974	08-23-74	44.00		3.09						0
1975	06-19-75	317.00		5.32						0
1976	06-15-76	1,390.00		11.40						3
	05-24-76	502.00		6.40						
	05-26-76	186.00		4.45						
	06-09-76	957.00		8.80						0
1977	07-27-77	142.00		4.21						1
1978	05-18-78	244.00		5.05						
	05-06-78	223.00		4.96						
1979	07-29-79	367.00		5.92						1
	07-04-79	256.00		5.20						
1980	10-22-79	14.00		2.90						0
1981	05-18-81	689.00		7.97						0
1982	06-05-82	58.00		3.45						0
1983	05-08-83	29.00		3.05						0
1984	06-11-84	189.00		4.84						1
	06-15-84	183.00		4.79						
1985	07-15-85	593.00		7.60						0
1986	06-14-86	86.00		3.90						0
1987	03-05-87	113.00		4.18						0
1988	05-02-88	5.70		2.40	2					0
1989	09-07-89	205.00		5.75						0
1990	05-30-90	683.00		8.40						0
1991	06-06-91	995.00		9.94						4
	05-12-91	199.00		4.89						
	05-18-91	247.00		5.22						
	05-28-91	398.00		6.56						
	06-04-91	714.00		8.54						
1992	09-29-92	23.00		3.00						0
1993	06-07-93	1,130.00		10.63						2
	05-06-93	546.00		7.10						
	05-08-93	626.00		7.60						
1994	03-03-94	26.00		3.06	2		5.24	03-01-94	1	0

**Table 58.** Station 06406100, Battle Creek tributary near Hermosa, South Dakota

Station locator Latitude Longitude  
 Drainage area: 3.49 mi<sup>2</sup>  
 Contributing drainage area: 3.49 mi<sup>2</sup>  
 Gage datum: 435010 1030943  
 Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1970	04- -70	25.00								0
1971	04- -71	15.00								0
1972	06-10-72	100.00		4.44						0
1973	04-20-73	20.00								0
1974	- -74	15.00								0
1975	- -75	10.00								0
1976	06-15-76	20.00		2.81						0
1977	- -77	5.00								0
1978	04- -78	20.00		3.54	1					0
1979	- -79	20.00	2	3.26	4					0



**Table 59. Station 06406750, Sunday Gulch near Hill City, South Dakota**

Station locator                      Drainage area:                      6.56 mi<sup>2</sup>  
 Latitude Longitude                Contributing  
    drainage area:                      6.56 mi<sup>2</sup>  
 435324 1033519                      Gage datum:  
 Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1956	- -56	1.00								0
1957	04- -57	59.00		3.55						0
1958	08- -58	17.00		2.70						0
1959	- -59	1.00								0
1960	07-11-60	7.00		2.36						0
1961	05- -61	9.00		2.46						0
1962	06-16-62	15.00		2.65						0
1963	04-10-63	45.00		3.32						0
1964	06-09-64	24.00		2.88						0
1965	07-19-65	170.00		4.68						0
1966	04-19-66	2.00		2.18						0
1967	06-12-67	23.00		2.84						0
1968	- -68	2.00								0
1969	07-17-69	15.00		2.64						0

**Table 60. Station 06406800, Newton Fork near Hill City, South Dakota**

Station locator                      Drainage area:                      8.17 mi<sup>2</sup>  
 Latitude Longitude                      Contributing                      drainage area:                      8.17 mi<sup>2</sup>  
 435803 1033824                      Gage datum:                      Base discharge:                      Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1969	07-16-69	13.00		3.53						0
1970	05-13-70	8.00		3.47						0
1971	06-06-71	21.00		3.62						0
1972	06-15-72	27.00		3.70						0
1973	05-28-73	6.00		3.44						0
1974	07-18-74	50.00		4.13						0
1975	04-28-75	11.00		3.51						0
1976	06-15-76	45.00		4.04						0
1977	07-27-77	58.00		4.27						0
1978	05-19-78	51.00		4.16						0
1979	07-28-79	8.00		3.47						0

**Table 61. Station 06406900, Palmer Creek near Hill City, South Dakota**

Station locator                      Drainage area:                      13.3    mi<sup>2</sup>  
 Latitude Longitude                  Contributing                                
    drainage area:                      13.3    mi<sup>2</sup>  
 435612 1033036                      Gage datum:  
    Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1956	05- 56	97.00		4.22						0
1957	06-04-57	117.00		4.58						0
1958	06- 58	20.00		3.18						0
1959	- 59	0.50								0
1960	05- 60	16.00		3.14						0
1961	07- 61	86.00		4.11						0
1962	06-16-62	385.00		7.55						0
1963	06- 63	58.00		3.70						0
1964	03-06-64	1.00		2.85						0
1965	05-25-65	140.00		4.82						0
1966	07-02-66	18.00		3.17						0
1967	06-12-67	53.00		3.62						0
1968	06-09-68	14.00		3.12						0
1969	07-17-69	265.00		6.29						0
1970	04-23-70	240.00		6.03						0
1971	05-10-71	84.00		4.06						0
1972	06-09-72	4,370.00		17.06						0
1973	05-28-73	93.00		4.19						0
1974	07-18-74	59.00		3.73						0
1975	04-08-75	100.00		7.02	1					0
1976	06-15-76	103.00	2	4.30						0
1977	08-08-77	74.00		3.96						0
1978	05-30-78	67.00		4.01						0
1979	07-15-79	38.00		3.49						0
1980	05- 80	7.00	2							0

Table 62. Station 06408500, Spring Creek near Hermosa, South Dakota

Station locator  
 Latitude Longitude  
 435630 1030933

Drainage area: 199 mi<sup>2</sup>  
 Contributing drainage area: 199 mi<sup>2</sup>  
 Gage datum: 3,265.30 ft above sea level  
 Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1950	08-12-50	69.00	5							0
1951	06-19-51	2.00	5							0
1952	05-23-52	580.00	5							0
1953	06-19-53	205.00	5							0
1954	08-12-54	378.00	5							0
1955	03-30-55	1.00	5							0
1956	07-03-56	4.00	5							0
1957	05-25-57	302.00	5							0
1958	06-13-58	4.00	5							0
1959	05-30-59	2.00	5							0
1960	03-19-60	4.00	5							0
1961	07-08-61	1.00	5							0
1962	07-13-62	500.00	5							0
1963	06-15-63	350.00	5							0
1964	06-20-64	58.00	5							0
1965	06-19-65	351.00	5							0
1966	08-19-66	25.00	5							0
1967	06-07-67	772.00	5							0
1968	06-25-68	20.00	5							0
1969	07-16-69	358.00	5							0
1970	06-13-70	5.00	1,5							0
1971	06-02-71	351.00	5							0
1972	06-10-72	13,400.00	5							0
1973	05-10-73	96.00	5	3.21						0
1974	08-14-74	4.00	5				3.73	01-13-74	1	0
1975	06-19-75	14.00	5	2.41	2		3.22	04-01-75	1	0
1976	06-16-76	361.00	5	5.20						0
1977	06-12-77	340.00	5	5.10						0
1978	05-20-78	170.00	5	3.91	2		4.18	03-10-78	1	0
1979	11-16-78	5.00	1,5				3.18	12-30-78	1	0
1980	06-14-80	378.00	5	4.58						0
1981	05-17-81	2.90	5	2.12						0
1982	07-25-82	355.00	5	5.35						0
1983	05-07-83	189.00	5	4.30						0
1984	06-15-84	247.00	5	6.10	1					0
1985	03-20-85	14.00	5	2.52	2		3.37	-85	1	0
1986	04-26-86	13.00	5	2.49	2		4.13	02-25-86	1	0
1987	03-06-87	17.00	5	2.57						0
1988	03-21-88	53.00	5	3.02	2		3.49	02-04-88	1	0

**Table 62.** Station 06408500, Spring Creek near Hermosa, South Dakota—Continued

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1989	03-27-89	0.35	1, 5							0
1990	- -90	0.00	5							0
1991	06-08-91	373.00	5	5.21	2					0
1992	11-10-91	2.40	5	2.29	2		2.66	01-15-93	1	0
1993	08-06-93	366.00	5	5.40	2					0
1994	03-01-94	100.00	5	4.08	1					0

**Table 63. Station 06408700, Rhoads Fork near Rochford, South Dakota**

Drainage area: 7.95 mi<sup>2</sup>  
 Contributing drainage area: 7.95 mi<sup>2</sup>  
 Gage datum: 5,965.00 ft above sea level  
 Base discharge:

Station locator  
 Latitude Longitude  
 440812 1035129

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1982	06-23-82	8.90		2.17	2		2.19	07-23-82	1	0
1983	08-22-83	7.80		2.09	2		2.13	07-01-83	1	0
1984	08-08-84	9.20		1.97	2		2.06	10-08-83	1	0
1985	03-16-85	9.70		2.00						0
1986	06-26-86	8.30		2.10						0
1987	03-15-87	7.00		2.00						0
1988	06-29-88	7.60		1.83	2		1.89	10-01-87	1	0
1990	10-17-89	5.50	1	1.75	2		1.98	08-16-90	1	0
1991	04-08-91	4.30	1							0
1992	05-21-92	5.80		1.86	2		2.18	08-19-92	1	0
1993	07-20-93	6.50		3.83						0
1994	06-21-94	7.30		3.96						0

**Table 64.** Station 06408850, Silver Creek near Rochford, South Dakota

Station locator                      Drainage area:                      6.23 mi<sup>2</sup>  
 Contributing  
 Latitude Longitude                      drainage area:                      6.23 mi<sup>2</sup>  
 440724 1034153                      Gage datum:  
 Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1969	09-09-69	13.00		4.17						0
1970	06-12-70	10.00		3.93						0
1971	05-10-71	6.00		3.64						0
1972	06-19-72	5.00		3.50						0
1973	05-10-73	4.00		3.44						0
1974	07-20-74	2.00		3.21						0
1975	04-28-75	6.00		3.60						0
1976	06-15-76	14.00		4.23						0
1977	04-27-77	7.00		3.68						0
1978	05-18-78	14.00		4.24						0
1979	07-04-79	3.00		3.34						0

**Table 65.** Station 06408900, Heeley Creek near Hill City, South Dakota

Station locator                      Drainage area:                      4.88 mi<sup>2</sup>  
 Latitude Longitude                      Contributing  
    drainage area:                      4.88 mi<sup>2</sup>  
 Gage datum:                      Gage datum:  
 Base discharge:                      Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1969	05-03-69	15.00								0
1970	06-12-70	10.00		3.47						0
1971	04-17-71	15.00								0
1972	05-11-72	5.00		3.11						0
1973	04-15-73	8.00		4.33	1					0
1974	05- -74	3.00		5.01	1					0
1975	04-08-75	20.00		5.88	1					0
1976	06-15-76	6.00		3.14						0
1977	08-08-77	5.00		3.08						0
1978	05-18-78	14.00		3.74						0
1979	04- -79	5.00	2							0



**Table 66. Station 06409000, Castle Creek above Deerfield Reservoir, near Hill City, South Dakota**

Station locator  
 Latitude Longitude  
 440049 1034948

Drainage area: 79.2 mi<sup>2</sup>  
 Contributing drainage area: 79.2 mi<sup>2</sup>  
 Gage datum: 5,920.00 ft above sea level  
 Base discharge: 100 ft<sup>3</sup>/s

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1949	06-02-49	48.00		2.56	2		3.38	12-22-48	1	0
1950	04-14-50	108.00		3.38						1
	04-07-50	100.00		3.28						
1951	04-06-51	55.00		2.64	2		3.46	02-10-51	1	0
1952	05-22-52	1,120.00		5.81						0
1953	08-15-53	37.00		2.42	2		3.22	12-30-52	1	0
1954	05-23-54	27.00		2.18	2		3.66	01-23-54	1	0
1955	04-16-55	58.00		2.87	2		4.64	04-10-55	1	0
1956	05-28-56	32.00		2.30	2		3.25	03-24-56	1	0
1957	08-27-57	40.00		2.49	2		2.98	01-18-57	1	0
1958	07-18-58	20.00		2.04	2		2.85	01-22-58	1	0
1959	04-16-59	20.00		2.13	2		2.72	01-07-59	1	0
1960	03-28-60	68.00		2.96	2		3.12	03-22-60	1	0
1961	06-13-61	25.00		2.24	2		2.95	01-31-61	1	0
1962	04-15-62	92.00		3.21						0
1963	06-05-63	124.00		3.53	2		4.12	02-02-63	1	0
1964	06-09-64	114.00		3.52	2		3.57	12-19-63	1	0
1965	06-17-65	906.00		5.67						1
	05-14-65	123.00		3.56						
1966	03-31-66	83.00		3.16	2		3.87	01-03-66	1	0
1967	03-29-67	74.00		3.05	2		3.63	03-06-67	1	0
1968	07-17-68	32.00		2.45	2		3.62	02-07-68	1	0
1969	07-17-69	82.00		3.20	2		3.25	11-30-68	1	0
1970	04-27-70	95.00		3.28	2		3.80	12-04-69	1	0
1971	04-17-71	70.00		3.08	2		3.36	12-14-70	1	0
1972	05-10-72	34.00		2.44	2		3.18	01-07-72	1	0
1973	05-05-73	40.00		2.56	2		2.60	12-01-72	1	0
1974	03-28-74	37.00					3.93	01-15-74	1	0
1975	04-23-75	102.00					3.48	12-04-74	1	0
1976	06-15-76	52.00		2.78	2		3.14	02-10-76	1	0
1977	04-17-77	27.00		2.29	2		2.98	01-13-77	1	0
1978	05-18-78	64.00		2.88	2		3.30	12-20-77	1	0
1979	04-17-79	30.00		2.25	2		2.60	02-18-79	1	0
1980	08-20-80	28.00		2.26			2.97	12-08-80	1	0
1981	07-25-81	20.00		2.08						0
1982	08-04-82	148.00		3.65						0
1983	08-03-83	87.00		5.84						0
1984	07-16-84	122.00		6.31						0

Table 66. Station 06409000, Castle Creek above Deerfield Reservoir, near Hill City, South Dakota—Continued

Water Year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1985	03-25-85	34.00		5.53	2		6.48	11-23-84	1	0
1986	04-15-86	34.00		3.01	2		3.54	02-09-86	1	0
1987	03-07-87	31.00		3.04	2		4.35	01-16-87	1	0
1988	04-07-88	57.00		3.34	2		4.21	12-12-87	1	0
1989	03-09-89	23.00		2.88	2		3.80	12-16-88	1	0
1990	04-03-90	33.00		3.06	2		3.44	01-12-90	1	0
1991	06-03-91	106.00		3.28	2					0
1992	05-21-92	30.00		2.87	2		3.83	01-16-92	1	0
1993	06-08-93	113.00		3.45	2		3.89	12-06-92	1	0
1994	04-22-94	65.00		3.13	2		4.73	01-29-94	1	0

**Table 67. Station 06410000, Castle Creek below Deerfield Dam, South Dakota**

Station locator Latitude Longitude  
 440145 1034653  
 Drainage area: Contributing drainage area: 96.0 mi<sup>2</sup>  
 96.0 mi<sup>2</sup>  
 Gage datum: 5,784.52 ft above sea level  
 Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1947	06-24-47	151.00	6							0
1948	06-30-48	67.00	6							0
1949	04-05-49	41.00	6							0
1950	04-15-50	47.00	6							0
1951	05-14-51	22.00	6							0
1952	05-22-52	200.00	6							0
1953	05-22-53	30.00	6							0
1954	07-18-54	65.00	6							0
1955	07-09-55	60.00	6							0
1956	08-03-56	53.00	6							0
1957	08-08-57	42.00	6							0
1958	05-15-58	69.00	6							0
1959	09-22-59	128.00	6							0
1960	10-07-59	31.00	6							0
1961	07-07-61	90.00	6							0
1962	05-24-62	11.00	6							0
1963	06-14-63	14.00	6							0
1964	06-09-64	64.00	1,6							0
1965	05-15-65	90.00	1,6							0
1966	10-23-65	55.00	1,6							0
1967	06-16-67	59.00	1,6							0
1968	09-24-68	39.00	1,6							0
1969	09-16-69	40.00	1,6							0
1970	05-08-70	74.00	1,6							0
1971	04-20-71	61.00	1,6							0
1972	09-26-72	40.00	1,6							0
1973	10-01-72	40.00	1,6							0
1974	10-02-73	26.00	1,6							0
1975	04-25-75	46.00	1,6							0
1976	04-07-76	28.00	1,6							0
1977	10-15-76	42.00	1,6							0
1978	05-18-78	83.00	1,6							0
1979	02-09-79	66.00	6							0
1980	09-08-80	43.00	6							0
1981	07-31-81	60.00	6							0
1982	08-04-82	94.00	6							0
1983	05-08-83	41.00	1,6							0
1984	06-16-84	44.00	1,6							0

4.36  
3.91  
4.34  
4.83  
3.67  
3.85

4.99 09-24-82 1

2

Table 67. Station 06410000, Castle Creek below Deerfield Dam, South Dakota—Continued

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1985	07-25-85	35.00	6	4.44						0
1986	09-21-86	26.00	6	3.98						0
1987	04-10-87	34.00	6	3.86						0
1988	05-18-88	26.00	6	3.80	2		3.84	09-07-88	1	0
1989	08-11-89	26.00	6	3.85						0
1990	04-26-90	34.00	1,6							0
1991	06-06-91	81.00	1,6							0
1992	03-10-92	23.00	1,6							0
1993	06-10-93	53.00	6	4.35						0
1994	05-13-94	37.00	6	4.06	2		4.08	08-21-94	1	0

**Table 68.** Station 06410500, Rapid Creek above Pactola Reservoir, at Silver City, South Dakota

Station locator Latitude Longitude 440505 1033448  
 Drainage area: 292 mi<sup>2</sup>  
 Contributing drainage area: 292 mi<sup>2</sup>  
 Gage datum: 4,620.00 ft above sea level  
 Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1954	05-23-54	106.00	6	5.64						0
1955	07-28-55	1,520.00	6	8.90						0
1956	03-24-56	175.00	6	6.85	2		7.32	03-21-56	1	0
1957	05-25-57	181.00	6	5.96						0
1958	05-31-58	113.00	6	5.61						0
1959	09-25-59	146.00	6	5.79	2		6.50	03-19-59	1	0
1960	03-23-60	117.00	6	6.14	2		6.21	03-22-60	1	0
1961	07-07-61	96.00	6	5.43	2		6.71	03-07-61	1	0
1962	06-15-62	390.00	6	6.62						0
1963	06-16-63	715.00	6	7.37						0
1964	06-09-64	635.00	6	7.16						0
1965	05-15-65	2,060.00	6	10.44						0
1966	03-16-66	150.00	6	5.64	2		6.56	03-06-66	1	0
1967	06-16-67	627.00	6	7.14						0
1968	06-09-68	106.00	6	5.34	2		6.15	02-03-68	1	0
1969	07-20-69	213.00	6	5.79						0
1970	04-19-70	995.00	6	7.98						0
1971	04-25-71	305.00	6	6.01						0
1972	07-06-72	252.00	6	5.85	2		6.03	12-29-71	1	0
1973	05-09-73	169.00	6	5.52	2		6.06	11-24-72	1	0
1974	04-30-74	54.00	6				6.33	01-14-74	1	0
1975	04-26-75	219.00	6	5.63	2		5.71	03-14-75	1	0
1976	06-15-76	614.00	6	7.17						0
1977	04-25-77	187.00	6	5.52						0
1978	05-11-78	430.00	6	6.58						0
1979	07-23-79	173.00	6	5.38	2		5.90	12-30-78	1	0
1980	05-11-80	75.00	6	4.80	2		5.65	12-29-79	1	0
1981	07-26-81	83.00	6	4.92	2		5.34	12-05-80	1	0
1982	05-20-82	332.00	6	6.35						0
1983	05-09-83	262.00	6	6.00						0
1984	08-03-84	198.00	6	5.69	2		5.79	05-11-84		0
1985	04-01-85	75.00	6	4.96	2		6.08	03-02-85	1	0
1986	05-09-86	123.00	6	5.31	2		6.97	11-11-85	1	0
1987	04-09-87	99.00	6	5.10	2		5.87	01-17-87	1	0
1988	05-20-88	69.00	6	4.92	2		5.74	03-13-88	1	0
1989	03-21-89	55.00	6	4.74	2		5.20	12-08-88	1	0
1990	04-26-90	93.00	6	4.95	2		5.86	03-25-90	1	0
1991	06-07-91	421.00	6	6.55						0
1992	07-13-92	55.00	6	4.83						0
1993	05-10-93	867.00	6	7.91						0
1994	05-06-94	196.00	6	5.83						0

Table 69. Station 06411500, Rapid Creek below Pactola Dam, South Dakota

Station locator                      Drainage area:                      320                      mi<sup>2</sup>  
 Contributing  
 Latitude Longitude                      drainage area:                      320                      mi<sup>2</sup>  
 440436 1032854                      Gage datum:                      4,406.00                      ft above sea level  
 Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1929	06-03-29	794.00								0
1930	04-09-30	194.00								0
1931	04-08-31	155.00								0
1932	04-24-32	682.00	2							0
1933	05-24-33	1,540.00	2							0
1934	02-11-34	117.00	2							0
1935	06-01-35	437.00	2							0
1936	04-13-36	100.00	2							0
1937	07-12-37	84.00	2							0
1938	04-16-38	86.00	2							0
1939	04-24-39	62.00	2							0
1940	08-27-40	245.00	2							0
1941	06-11-41	540.00	2							0
1942	05-16-42	409.00	2							0
1947	06-23-47	954.00	6							0
1948	06-22-48	248.00	6							0
1949	06-02-49	233.00	6							0
1950	04-15-50	233.00	6							0
1951	06-14-51	97.00	6							0
1952	05-22-52	2,170.00	6							0
1953	06-15-53	160.00	6							0
1954	05-23-54	94.00	6							0
1955	07-29-55	378.00	6	7.36			4.86	03-13-54	1	0
1956	03-25-56	178.00	6							0
1957	03-14-57	55.00	6				7.36	12-25-55	1	0
1958	06-02-58	84.00	6				4.42	08-09-57	1	0
1959	08-21-59	90.00	6				5.30	09-30-58	1	0
1960	07-20-60	112.00	6				5.23	10-20-58	1	0
1961	06-11-61	111.00	6							0
1962	05-18-62	67.00	6				5.70	07-20-61	1	0
1963	06-30-63	184.00	6				5.22	08-24-62	1	0
1964	06-10-64	266.00	6				8.16			0
1965	05-19-65	547.00	6				8.34			0
1966	03-20-66	147.00	6				9.00			0
1967	06-22-67	406.00	6				8.01			0
1968	10-04-67	311.00	6				8.63			0
1969	05-20-69	306.00	6				8.44			0
1970	05-12-70	304.00	1,6				8.41			0
			1,6				8.44			0

Table 69. Station 06411500, Rapid Creek below Pactola Dam, South Dakota—Continued

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1971	04-25-71	338.00	6	8.55						0
1972	10-05-71	505.00	6	8.82						0
1973	05-08-73	168.00	1,6	8.14						0
1974	07-04-74	113.00	1,6				8.00	07-17-74		0
1975	06-07-75	85.00	1,6							0
1976	06-29-76	234.00	1,6							0
1977	05-05-77	188.00	1,6							0
1978	06-01-78	386.00	1,6							0
1979	06-16-79	101.00	1,6							0
1980	07-15-80	118.00	1,6							0
1981	05-02-81	142.00	1,6							0
1982	07-03-82	139.00	1,6							0
1983	05-13-83	268.00	1,6	8.41						0
1984	05-12-84	222.00	1,6	8.28						0
1985	05-10-85	144.00	6	8.07	2		8.09	07-12-85	1	0
1986	06-03-86	93.00	6	7.09						0
1987	07-31-87	99.00	6	7.91						0
1988	08-01-88	128.00	6	8.03						0
1989	07-12-89	130.00	6	8.02						0
1990	07-02-90	122.00	6	7.97						0
1991	08-29-91	78.00	1,6							0
1992	05-21-92	106.00	6	7.94						0
1993	06-19-93	286.00	6	8.47						0
1994	04-27-94	195.00	6	8.19						0

**Table 70. Station 06412500, Rapid Creek above Canyon Lake, near Rapid City, South Dakota**

Station locator                      Drainage area:    371    mi<sup>2</sup>  
 Contributing  
 Latitude Longitude                drainage area:    371    mi<sup>2</sup>  
 440304 1031847                      Gage datum:     3,398.17 ft above sea level  
 Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water Year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1947	06-23-47	950.00	6	7.82						0
1948	06-22-48	245.00	6	5.43						0
1949	08-15-49	290.00	6	5.63	2		6.43	03-19-49	1	0
1950	04-15-50	209.00	6	5.33	2		6.37	03-30-50	1	0
1951	06-15-51	77.00	6	4.62	2		5.81	03-27-51	1	0
1952	05-23-52	2,600.00	6	10.08	2		7.00	03-24-52	1	0
1953	06-16-53	152.00	6	4.65	2		4.94	03-12-53	1	0
1954	08-12-54	140.00	6	4.53	2		5.22	01-31-54	1	0
1955	07-29-55	326.00	6	5.44	2		5.81	03-18-55	1	0
1956	05-29-56	130.00	6	4.49	2		5.04	01-20-56	1	0
1957	07-14-57	433.00	6	5.84						0
1958	05-30-58	81.00	6				4.70	03-13-58	1	0
1959	06-30-59	82.00	6				6.11	03-15-59	1	0
1960	07-16-60	82.00	6				5.47	03-18-60	1	0
1961	07-01-61	100.00	6	4.75	2		5.47	02-03-61	1	0
1962	07-13-62	1,310.00	6	8.02						0
1963	06-06-63	191.00	6	5.91						0
1964	06-11-64	268.00	6	6.09	2		6.25	03-28-64	1	0
1965	05-19-65	614.00	6	6.99						0
1966	03-22-66	140.00	6	5.62	2		6.50	03-09-66	1	0
1967	06-15-67	439.00	6	6.61						0
1968	10-04-67	198.00	6	5.87						0
1969	05-20-69	139.00	6	5.37						0
1970	06-14-70	245.00	6	5.42	2		6.20	03-21-70	1	0
1971	04-26-71	385.00	6	5.39						0
1972	06-09-72	31,200.00	6	17.77						0
1973	05-09-73	173.00	1,6							0
1974	08-22-74	516.00	6	5.95						0
1975	06-07-75	92.00	6	4.07						0
1976	06-15-76	636.00	6	6.00						0
1977	05-08-77	194.00	6	4.12						0
1978	05-21-78	433.00	6	5.24						0
1979	06-17-79	150.00	6	3.85						0
1980	07-16-80	119.00	6	3.74						0
1981	07-13-81	132.00	6	3.87						0
1982	07-22-82	264.00	6	4.57						0
1983	05-11-83	283.00	6	4.66						0
1984	06-15-84	249.00	6	4.44						0



**Table 70. Station 06412500, Rapid Creek above Canyon Lake, near Rapid City, South Dakota—Continued**

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1985	07-15-85	134.00	6	3.94	2		5.12	01-01-85	1	0
1986	06-04-86	89.00	6	3.68	2		4.21	02-22-86	1	0
1987	05-29-87	99.00	6	3.85	2		3.95	11-13-86	1	0
1988	08-03-88	126.00	6	3.93	2		4.52	01-12-88	1	0
1989	07-12-89	111.00	6	3.86	2		4.33	02-18-89	1	0
1990	07-07-90	124.00	6	3.86	2		3.97	02-04-90	1	0
1991	05-11-91	201.00	6	4.24						0
1992	05-21-92	105.00	6	2.59						0
1993	06-20-93	328.00	6	3.62						0
1994	04-29-94	198.00	6	3.15						0

Table 71. Station 06414000, Rapid Creek at Rapid City, South Dakota

Station locator Latitude Longitude  
440509 1031431  
Drainage area: Contributing drainage area: 410 mi<sup>2</sup>  
Gage datum: 3,230.14 ft above sea level  
Base discharge: 410 mi<sup>2</sup>

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1905	07-26-05	2,500.00								0
1906	08-02-06	980.00								0
1943	06-13-43	936.00								0
1944	06-12-44	270.00								0
1945	08-01-45	381.00								0
1946	07-18-46	1,000.00	6							0
1947	06-24-47	1,170.00	6							0
1948	08-13-48	472.00	6							0
1949	08-15-49	563.00	6							0
1950	04-16-50	246.00	6							0
1951	10-09-50	143.00	6							0
1952	05-23-52	2,540.00	6							0
1953	06-19-53	824.00	6							0
1954	06-10-54	172.00	6							0
1955	08-10-55	878.00	6							0
1956	10-15-55	182.00	6							0
1957	07-14-57	784.00	6							0
1958	07-19-58	362.00	6							0
1959	12-11-58	141.00	6							0
1960	06-20-60	290.00	6							0
1961	06-14-61	115.00	6							0
1962	07-13-62	3,300.00	6							0
1963	06-05-63	418.00	6							0
1964	06-13-64	426.00	6							0
1965	06-11-65	706.00	6							0
1966	07-26-66	586.00	6							0
1967	06-15-67	616.00	6							0
1968	06-09-68	259.00	6							0
1969	07-23-69	195.00	6							0
1970	06-12-70	350.00	6							0
1971	04-26-71	498.00	6							0
1972	06-09-72	50,000.00	6	15.45						0
1973	07-08-73	282.00	6	7.33						0
1974	08-22-74	1,040.00	6	10.55						0
1975	06-07-75	1,500.00	6	7.08						0
1976	06-14-76	1,400.00	6	6.88						0
1977	04-18-77	209.00	6	4.57	2	01-11-77	5.42	1		0
1978	05-29-78	602.00	6	5.58						0

Table 71. Station 06414000, Rapid Creek at Rapid City, South Dakota—Continued

Water Year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1979	08-07-79	451.00	6	5.28						0
1980	06-15-80	265.00	6	4.81						0
1981	07-25-81	409.00	6	5.23						0
1982	07-25-82	2,000.00	6	8.65						0
1983	08-22-83	411.00	6	5.56						0
1984	06-15-84	414.00	6	5.48						0
1985	08-19-85	300.00	6	5.13						0
1986	08-12-86	919.00	6	6.46						0
1987	06-10-87	388.00	6	5.37						0
1988	06-22-88	201.00	6	4.78			4.94	01-09-88	1	0
1989	08-24-89	1,360.00	6	7.10	2					0
1990	08-28-90	231.00	6	4.93						0
1991	05-11-91	659.00	6	6.01						0
1992	05-21-92	152.00	6	4.58						0
1993	07-21-93	500.00	6	5.64						0
1994	05-03-94	670.00	6	6.03						0

**Table 72. Station 06418900, Rapid Creek below Sewage Treatment Plant, near Rapid City, South Dakota**

Station\_locator      Drainage area:      452      mi<sup>2</sup>  
 Latitude Longitude      Contributing  
                                  drainage area:      452      mi<sup>2</sup>  
 440124 1030543      Gage datum:      3,000.00      ft above sea level  
                                  Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1982	07-25-82	1,680.00	6	9.12						0
1983	08-22-83	1,260.00	6	7.92						0
1984	06-15-84	788.00	6	6.18						0
1985	08-19-85	631.00	6	5.82						0
1986	08-13-86	879.00	6	6.86						0
1987	06-10-87	504.00	6	5.32						0
1988	05-02-88	569.00	6	5.44						0
1989	08-25-89	592.00	6	5.54						0
1990	05-21-90	799.00	6	6.35						0
1991	06-03-91	427.00	6	4.79						0
1992	07-04-92	646.00	6	5.74						0
1993	07-21-93	879.00	6	6.62						0
1994	05-03-94	733.00	6	6.08						0

**Table 73. Station 06421500, Rapid Creek near Farmingdale, South Dakota**

Station locator Latitude Longitude 435631 1025112  
 Drainage area: Contributing drainage area: Gage datum: Base discharge:  
 602 mi<sup>2</sup> 602 mi<sup>2</sup> 2,700.00 ft above sea level

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1947	06-21-47	2,640.00	6	8.40						0
1948	06-17-48	885.00	6	5.80						0
1949	03-21-49	500.00	6	6.97	1					0
1950	04-16-50	285.00	6	4.00	2		4.93	02-08-50	1	0
1951	06-23-51	161.00	6	3.62	2		4.74	03-15-51	1	0
1952	05-24-52	1,770.00	6	8.19						0
1953	08-02-53	1,790.00	6	8.35						0
1954	08-11-54	204.00	6	3.89						0
1955	08-11-55	461.00	6	4.92						0
1956	07-04-56	449.00	6	4.88						0
1957	05-25-57	1,900.00	6	9.39						0
1958	07-19-58	939.00	6	7.01						0
1960	03-22-60	439.00	6	5.08						0
1961	07-01-61	516.00	6	5.40						0
1962	05-21-62	2,030.00	6	9.77						0
1963	06-16-63	599.00	6	6.36						0
1964	06-14-64	381.00	6	5.40						0
1965	06-01-65	1,130.00	6	8.07						0
1966	07-27-66	372.00	6	5.49	2		7.57	03-13-66	1	0
1967	06-15-67	1,830.00	6	10.33						0
1968	06-09-68	406.00	6	6.73						0
1969	03-18-69	501.00	6	7.28	2		10.67	12-06-68	1	0
1970	04-25-70	1,010.00	6	8.75						0
1971	04-27-71	511.00	6	7.25						0
1972	06-10-72	7,320.00	6	11.85						0
1973	04-20-73	272.00	6	7.89	2		8.49	03-04-73	1	0
1974	04-12-74	151.00	6	6.93	2		8.48	08-23-74	1	0
1975	06-08-75	881.00	6	9.41						0
1976	06-16-76	1,370.00	6	9.59						0
1977	04-08-77	613.00	6	8.09						0
1978	05-24-78	574.00	6	7.97						0
1979	07-04-79	444.00	6	7.53	2		9.28	03-08-79	1	0
1980	06-16-80	937.00	6	8.73						0
1981	07-02-81	468.00	6	5.85						0
1982	05-20-82	1,050.00	6	9.17						0
1983	10-10-82	1,030.00	6	9.17						0
1984	06-16-84	620.00	6	8.07	2		8.50	06-16-84	1	0
1985	08-20-85	340.00	6	6.93	2		8.39	03-07-85	1	0

Table 73. Station 06421500, Rapid Creek near Farmingdale, South Dakota—Continued

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since (ft)	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1986	02-28-86	1,130.00	6	9.30	2	10.82	10.82	02-26-86	1	0
1987	05-27-87	928.00	6	8.91						0
1988	03-26-88	870.00	6	8.80						0
1989	09-22-89	234.00	6	6.67	2	7.75	7.75	03-10-89	1	0
1990	05-30-90	750.00	2,6							0
1991	05-10-91	1,050.00	6	9.22						0
1992	07-06-92	342.00	6	7.18						0
1993	05-09-93	826.00	6	8.95						0
1994	05-04-94	528.00	6	7.86	2	9.06	9.06	03-02-94	1	0

**Table 74. Station 06421750, Rapid Creek tributary near Farmingdale, South Dakota**

Station locator	Drainage area:	1.50 mi <sup>2</sup>
Latitude	Contributing	
Longitude	drainage area:	1.50 mi <sup>2</sup>
	Gage datum:	
435630 1024843	Base discharge:	

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1970	04-25-70	35.00		3.87						0
1971	03-25-71	10.00		4.35						0
1972	03-12-72	8.00		3.86	1					0
1973	03-23-73	10.00		4.02	1					0
1974	02- -74	2.00		3.81	1					0
1975	04-28-75	10.00		5.99	1					0
1976	06-15-76	18.00		3.22						0
1977	04-08-77	5.00		3.51	1					0
1978	04- -78	10.00		5.20	1					0
1979	07-04-79	2.00	2							0

Table 75. Station 06422500, Boxelder Creek near Nemo, South Dakota

Station locator  
 Latitude Longitude  
 440838 1032716

Drainage area: 96.0 mi<sup>2</sup>  
 Contributing drainage area: 96.0 mi<sup>2</sup>  
 Gage datum: 4,320.27 ft above sea level  
 Base discharge: 100 ft<sup>3</sup>/s

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1911	- -11			16.00						0
1946	05-02-46	1,180.00								0
1947	05-23-47	372.00								0
1966	07-28-66	30.00								0
1967	06-12-67	950.00								2
	05-08-67	112.00		5.41						
	06-15-67	816.00		7.61						
1968	06-09-68	62.00								0
1969	05-04-69	144.00								1
	07-18-69	136.00		5.54						
	06-12-70	648.00		5.75						
1970	04-27-70	132.00		5.51						4
	05-11-70	394.00		6.58						
	05-31-70	149.00		5.62						
	08-05-70	306.00		6.28						
1971	04-25-71	221.00								0
1972	06-09-72	30,100.00		20.40						2
	06-19-72	458.00		6.78						
	07-02-72	146.00		5.64						
1973	04-20-73	117.00		2.67	2		2.72	05-28-73		1
	05-28-73	108.00		2.72						
1974	04-19-74	23.00		1.86	2		2.48	01-12-74	1	0
1975	07-30-75	427.00		4.55						2
	05-09-75	102.00		2.78						
	06-19-75	110.00		2.74						
1976	06-15-76	1,460.00		6.19						1
	07-22-76	150.00								
1977	04-17-77	170.00		3.02						2
	04-10-77	125.00		2.76						
	04-24-77	158.00		2.98						
1978	05-11-78	301.00		3.65						4
	05-01-78	109.00		2.73						
	05-06-78	142.00		2.94						
	05-18-78	260.00		3.51						
	08-23-78	113.00		2.96						
1979	07-04-79	97.00		2.78	2		3.23	01-09-79	1	0
1980	03-13-80	35.00		2.11	2		2.13	02-29-80	1	0
1981	05-18-81	26.00		2.06						0



Table 75. Station 06422500, Boxelder Creek near Nemo, South Dakota—Continued

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1982	05-20-82	272.00		3.65						1
	05-23-82	153.00		3.12						
1983	05-07-83	178.00		3.33	2		3.98	02-20-83	1	1
	04-25-83	103.00		2.82						
1984	06-15-84	215.00		3.44						2
	05-10-84	131.00		2.96						
1985	06-10-84	151.00		3.09						
	03-18-85	129.00		2.95	2		3.29	03-16-85	1	0
1986	05-09-86	82.00		2.53						0
1987	03-06-87	123.00		2.77						1
	04-05-87	116.00		2.68						
1988	05-09-88	33.00		2.09	2		2.19	03-05-88	1	0
1989	03-10-89	30.00		1.89	2		2.18	03-08-89	1	0
1990	05-05-90	29.00		1.95						0
	06-06-91	401.00		4.04						3
1991	05-11-91	112.00		2.74						
	06-03-91	146.00		3.17						
1992	06-14-91	107.00		3.00						0
	06-13-92	53.00		2.34						
1993	06-07-93	293.00		3.70						6
	05-05-93	113.00		2.76						
1994	05-08-93	243.00		3.34						
	06-08-93	238.00		3.59						
1994	06-17-93	216.00		3.47						
	06-19-93	160.00		3.28						
1994	07-21-93	152.00		3.16						
	05-06-94	125.00		2.98						1
	05-14-94	104.00		2.86						

**Table 76. Station 06423010, Boxelder Creek near Rapid City, South Dakota**

Station locator                      Drainage area:    128    mi<sup>2</sup>  
 Contributing  
 Latitude Longitude                      drainage area:    128    mi<sup>2</sup>  
 440754 1031754                      Gage datum:    3,450.00    ft above sea level  
 Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1981	- 81	0.00								0
1982	05-22-82	23.00		30.84						0
1983	05-07-83	141.00		31.51						0
1984	06-11-84	76.00		31.29						0
1985	- 85	0.00								0
1986	- 86	0.00								0
1987	- 87	0.00								0
1988	- 88	0.00								0
1989	- 89	0.00								0
1990	- 90	0.00								0
1991	06-06-91	160.00		31.64						0
1992	- 92	0.00								0
1993	06-09-93	121.00		31.49	2		31.65	06-17-93		0
1994	05-03-94	49.00		31.40						0

**Table 77. Station 06423500, Cheyenne River near Wasta, South Dakota**

Station locator Latitude Longitude  
 440452 1022403  
 Drainage area: 12,800 mi<sup>2</sup>  
 Contributing drainage area: 12,800 mi<sup>2</sup>  
 Gage datum: 2,260.78 ft above sea level  
 Base discharge: 3,300 ft<sup>3</sup>/s

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1915	06-13-15	34,200.00	7	14.50						0
1920	05- -20			18.00	5					0
1929	06-02-29	16,800.00		10.00						0
1930	04-17-30	5,000.00					7.50	02-21-30	1	0
1931	10-06-30	2,560.00								0
1932	05-06-32	46,300.00		6.20						0
1934	07-27-34	5,300.00		7.50						0
1935	06-01-35	43,000.00		12.60						0
1936	03-04-36	1,680.00		7.28	1					0
1937	07-14-37	20,000.00	2	10.20						0
1938	09-07-38	9,500.00		8.70						0
1939	05-25-39	10,700.00		8.90						0
1940	04-28-40	3,720.00					7.55	02-29-40	1	0
1941	06-10-41	18,200.00		10.00						0
	04-14-41	7,630.00		8.41						5
	04-16-41	4,780.00		7.50						
	06-12-41	8,550.00		8.62						
	07-03-41	4,200.00		7.23						
	07-14-41	11,400.00		8.65						
1942	05-12-42	44,000.00		12.80						8
	10-26-41	5,300.00		7.72						
	04-25-42	6,420.00		7.93						
	05-01-42	20,200.00		10.23						
	05-04-42	11,700.00		9.07						
	05-07-42	12,900.00		9.23						
	05-18-42	10,800.00		8.61						
	06-02-42	7,000.00		8.11						
	06-06-42	14,200.00		9.44						
1943	06-16-43	11,000.00		8.50	2		8.82	03-26-43	1	3
	05-30-43	5,480.00		5.41						
	06-07-43	6,360.00		5.43						
	06-10-43	8,870.00		8.06						
1944	06-12-44	24,300.00		10.50						3
	03-27-44	3,850.00		4.85						
	05-25-44	4,230.00		6.78						
	07-12-44	8,640.00		8.00						
1945	03-25-45	5,830.00		7.30						1
	08-04-45	4,380.00		6.87						

Table 77. Station 06423500, Cheyenne River near Wasta, South Dakota—Continued

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1946	05-02-46	26,100.00	6	10.71						2
	05-24-46	14,700.00	6	9.14						
	06-18-46	16,000.00	6	9.34						
1947	06-22-47	40,100.00	6	12.25						3
	06-10-47	8,180.00	6	7.92						
	06-18-47	3,660.00	6	6.59						
1948	06-30-47	11,100.00	6	8.49						4
	06-22-48	6,920.00	6	7.48						
	03-18-48	4,500.00	6	6.90						
	06-17-48	5,490.00	6	7.20						
1949	06-26-48	5,830.00	6	7.28						
	08-13-48	5,000.00	6	7.03						
	03-06-49	8,600.00	6	8.60	2	03-05-49	10.91		1	2
	03-23-49	3,310.00	6	6.23						
	05-01-49	4,860.00	6	6.94						
	05-09-50	6,760.00	6	7.55						0
	06-19-51	5,740.00	6	7.24						0
	05-22-52	24,700.00	6	10.54						0
	06-20-53	9,480.00	6	8.00						0
	06-07-54	2,410.00	6	5.66						0
1955	09-20-55	24,300.00	6	11.45						0
	12-24-55	5,000.00	6	11.55	1					0
	05-25-57	26,900.00	6	12.42						0
	06-16-58	7,760.00	6	7.84						0
	05-05-59	8,710.00	6	8.38						0
	03-22-60	3,400.00	6	6.47	2	03-19-60	6.83		1	0
	06-11-61	2,600.00	6	5.80						0
	06-17-62	25,400.00	6	12.61						0
	06-16-63	18,100.00	6	10.50						0
	06-18-64	24,200.00	6	11.65						0
1965	05-15-65	25,800.00	6	11.98	2		12.78	05-25-65		0
	08-20-66	9,760.00	6	8.74	2		10.06	03-11-66	1	0
1967	06-16-67	23,200.00	6	12.20						0
1968	06-07-68	10,400.00	6	8.49						0
1969	07-24-69	12,500.00	6	9.07						0
1970	04-25-70	10,900.00	6	8.57						0
1971	05-27-71	15,600.00	6	10.37						0
1972	06-11-72	11,800.00	6	9.19						0
1973	04-20-73	6,650.00	6	6.98						0
1974	04-12-74	2,950.00	6				4.81	01-14-74	1	0
1975	06-19-75	5,140.00	6	5.99	2		6.50	03-17-75	1	0
1976	06-15-76	8,400.00	6	7.81						0
1977	08-09-77	8,400.00	6	7.87						0
1978	05-22-78	24,800.00	6	12.12						0
1979	06-17-79	14,200.00	6	9.94						0

Table 77. Station 06423500, Cheyenne River near Wasta, South Dakota—Continued

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1980	08-16-80	5,180.00	6	6.21						0
1981	07-13-81	4,250.00	6	5.62	2		7.56	02-22-81	1	0
1982	07-02-82	25,100.00	6	12.35	2		16.25	03-05-82	1	0
1983	10-10-82	12,100.00	6	8.88						0
1984	04-27-84	6,370.00	6	6.25	2		6.40	- -84	1	0
1985	08-20-85	1,480.00	6	3.24	2		4.08	03-15-85	1	0
1986	06-10-86	20,300.00	6	10.92						0
1987	05-24-87	10,100.00	6	8.20						0
1988	05-02-88	5,010.00	6	5.99						0
1989	09-21-89	5,370.00	6	6.18						0
1990	07-21-90	5,880.00	6	6.43						0
1991	05-28-91	23,100.00	6	11.89						0
1992	07-22-92	5,130.00	6	6.05						0
1993	05-06-93	15,900.00	6	9.89						0
1994	03-02-94	7,690.00	6	7.00	2		7.61	02-18-94	1	0

Table 78. Station 06425100, Elk Creek near Rapid City, South Dakota

Station locator  
 Latitude Longitude  
 441425 1030903

Drainage area: 190 mi<sup>2</sup>  
 Contributing drainage area: 190 mi<sup>2</sup>  
 Gage datum: 2,950.00 ft above sea level  
 Base discharge: 100 ft<sup>3</sup>/s

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since (ft)	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1979	08-08-79	310.00	5	7.28						0
1980	06-14-80	379.00	5	7.12						0
1981	07-02-81	65.00	5	5.85						0
1982	05-20-82	1,560.00	5	10.79						2
	05-15-82	729.00	5	9.29						
	05-29-82	157.00	5	6.99						
1983	10-10-82	1,000.00	5	9.89						3
	04-17-83	104.00	5	6.63						
	05-07-83	163.00	5	7.13						
	05-13-83	213.00	5	7.48						
1984	06-10-84	905.00	5	10.31						3
	05-04-84	570.00	5	9.52						
	06-15-84	271.00	5	8.40						
	06-17-84	261.00	5	8.34						
1985	03-17-85	113.00	5	6.83						0
1986	02-26-86	1,390.00	5	11.80	1					2
	04-18-86	606.00	5	9.57						
	05-09-86	260.00	5	8.28						
1987	05-24-87	792.00	5	9.95						0
1988	03-30-88	197.00	5	7.81						0
1989	05-17-89	190.00	5	7.76						0
1990	05-24-90	0.66	5	4.46						0
1991	05-12-91	995.00	5	9.87						0
1992	- -92	0.00	5							0
1993	05-08-93	1,070.00	5	10.04						2
	03-08-93	287.00	5	8.53						
	05-06-93	158.00	5	7.16						
1994	03-03-94	90.00	5	8.20	1					0

**Table 79. Station 06425500, Elk Creek near Elm Springs, South Dakota**

Station locator  
Latitude Longitude  
 441454 1023010  
 Drainage area: 540 mi<sup>2</sup>  
 Contributing drainage area: 540 mi<sup>2</sup>  
 Gage datum: 2,304.49 ft above sea level  
 Base discharge: 400 ft<sup>3</sup>/s

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1950	04-15-50	852.00	5							2
	04-07-50	521.00	5							
	05-09-50	656.00	5							
1951	09-02-51	328.00	5							0
	03-29-52	8,540.00	5							2
	05-23-52	434.00	5							
1953	05-25-52	586.00	5							
	06-19-53	5,250.00	5							3
	03-13-53	453.00	5							
1954	05-01-53	540.00	5							
	05-03-53	1,160.00	5							
	06-10-54	838.00	5							0
1955	09-20-55	270.00	5							0
1956	07-03-56	48.00	5							0
1957	05-26-57	2,690.00	5							1
1958	05-21-57	2,170.00	5							
	06-16-58	616.00	5							0
	05-29-59	16.00	5							0
1959	05-29-59	16.00	5							0
1960	06-30-60	796.00	5							0
1961	00-00-61	0.00	5							0
1962	05-29-62	7,040.00	5							3
	05-21-62	6,320.00	5							
	06-17-62	3,120.00	5							
1963	07-13-62	470.00	5							
	06-17-63	698.00	5							0
	06-08-64	3,620.00	5							1
1964	06-10-64	2,110.00	5							
	05-16-65	3,250.00	5							3
	05-26-65	888.00	5							
1965	06-20-65	411.00	5							
	07-01-65	452.00	5							
	03-14-66	775.00	5							3
1966	04-01-66	569.00	5							
	04-24-66	750.00	5							
	07-29-66	614.00	5							
1967	06-16-67	4,960.00	5							4
	04-20-67	760.00	5							
	05-04-67	1,240.00	5							
	05-08-67	1,600.00	5							
	06-26-67	1,420.00	5							
		10.75								
	6.80									
	7.40									
	7.80									
	8.25									

Table 79. Station 06425500, Elk Creek near Elm Springs, South Dakota—Continued

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since (ft)	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1968	06-07-68	1,020.00	5	7.74						1
1969	07-19-68	453.00	5	6.72						2
	07-17-69	2,300.00	5	9.06						
	03-18-69	785.00	5	7.42						
1970	04-30-69	507.00	5	6.97						0
	04-26-70	2,920.00	5	9.55						3
	05-23-71	3,510.00	5	10.42						
1971	02-15-71	972.00	5	7.48						
	03-15-71	2,730.00	5	9.40						
	06-25-71	737.00	5	7.34						
1972	06-11-72	1,880.00	5	8.70						1
	06-21-72	738.00	5	7.12						
1973	04-22-73	1,440.00	5	8.56						2
	06-02-73	694.00	5	7.28						
1974	07-25-73	767.00	5	7.39						
	04-09-74	54.00	5	8.16						0
1975	04-27-75	1,210.00	5			5.91		01-27-74	1	2
	04-10-75	500.00	5							
1976	07-06-75	830.00	5	7.39						0
	06-17-76	2,230.00	5	9.55						1
1977	06-14-77	2,270.00	5	9.40						
	04-10-77	1,550.00	5	8.81						1
1978	03-18-78	2,830.00	5	9.75						1
	05-09-78	624.00	5	7.24						0
1979	03-17-79	92.00	5	5.40						0
	06-15-80	437.00	5	6.83						0
1981	08-13-81	124.00	5	5.72						0
	05-21-82	5,300.00	5	12.33						4
1982	05-15-82	2,010.00	5	9.58						
	05-28-82	5,190.00	5	12.25						
1983	07-25-82	402.00	5	6.84						
	08-23-82	1,130.00	5	8.28						1
1984	10-10-82	1,940.00	5	9.38						
	05-13-83	707.00	5	7.53						1
1985	05-04-84	890.00	5	8.70						
	06-12-84	759.00	5	8.51						
1986	03-20-85	73.00	5	5.50	2		5.84	01-28-85	1	0
	02-27-86	4,960.00	5	13.25	1					6
	04-06-86	554.00	5	7.52						
	04-18-86	1,520.00	5	9.25						
	04-27-86	1,550.00	5	9.29						
	05-09-86	2,120.00	5	9.92						
	06-10-86	1,620.00	5	9.37						
	09-24-86	686.00	5	7.89						



Table 79. Station 06425500, Elk Creek near Elm Springs, South Dakota—Continued

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1987	05-27-87	718.00	5	8.22						1
	05-21-87	458.00	5	7.52						
1988	03-24-88	101.00	5	5.95						0
1989	03-22-89	11.00	5	5.01						0
1990	09-02-90	47.00	5	5.51						0
1991	05-28-91	620.00	5	7.84						1
	05-30-91	468.00	5	7.45						
1992	06-21-92	27.00	5	5.49						0
1993	05-08-93	3,660.00	5	12.80						1
	05-06-93	1,770.00	5	10.92						
1994	06-08-94	5,570.00	5	14.21						1
	03-03-94	3,000.00	5,9	13.25						

Table 80. Station 06428500, Belle Fourche River at Wyoming-South Dakota State line

Station locator  
 Latitude Longitude  
 444459 1040249

Drainage area: 3,280 mi<sup>2</sup>  
 Contributing drainage area: 3,280 mi<sup>2</sup>  
 Gage datum: 3,095.70 ft above sea level  
 Base discharge: 1,000 ft<sup>3</sup>/s

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest gage height since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1947	06-23-47	3,620.00		12.51	2		14.33	03-22-47	1	3
	03-23-47	2,230.00		9.89						
	04-02-47	1,520.00		8.27						
	06-18-47	1,210.00		7.46						
1948	06-18-48	2,280.00		9.98	2		12.36	03-20-48	1	1
	07-11-48	1,320.00		7.85						
1949	03-25-49	2,180.00		9.83	2		11.00	03-20-49	1	5
	03-20-49	2,000.00		9.40						
	03-26-49	2,000.00		9.36						
	03-29-49	1,030.00		7.23						
1950	04-08-49	1,140.00		7.49						
	06-05-49	1,030.00		7.01						
	05-10-50	2,000.00		9.51						3
	04-07-50	1,440.00		8.10						
	04-13-50	1,820.00		9.20						
	05-12-50	1,610.00		8.56						
	09-06-51	1,480.00		8.47						
	03-31-52	2,030.00		9.69						0
	08-05-53	3,170.00	6	12.68						0
	04-06-54	389.00	6	5.19						0
1955	04-12-55	1,490.00	6	8.71						0
	03-24-56	509.00	6				7.12	03-09-56	1	0
	03-01-57	1,350.00	6	8.45	1					0
	04-27-58	728.00	6	6.52						0
	03-23-59	927.00	6	7.15						0
	03-23-60	1,660.00	6	9.64						0
	07-05-61	140.00	6	3.75						0
	06-18-62	4,400.00	6	15.59						0
	04-28-63	985.00	6	7.75	2		8.15	02-05-63	1	0
	06-24-64	2,410.00	6	11.48						0
	04-02-65	2,270.00	6	11.11						0
	07-22-66	1,470.00	6	9.16						0
	06-08-67	1,650.00	6	9.62	2					0
	03-08-68	700.00	6							0
	05-02-69	1,490.00	6	9.30						0
	05-14-70	1,810.00	6	10.07						0
	06-04-71	2,400.00	6	11.32						0
	06-19-72	2,330.00	6	11.22						0

**Table 80. Station 06428500, Belle Fourche River at Wyoming-South Dakota State line—Continued**

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1973	06-19-73	1,440.00	6	9.09						0
1974	03-05-74	873.00	6				8.06	01-20-74	1	0
1975	05-11-75	1,480.00	6	9.31						0
1976	06-17-76	2,910.00	6	12.76						0
1977	04-10-77	980.00	6	7.88						0
1978	05-20-78	2,100.00	6	11.24						0
1979	06-20-79	376.00	6	5.48			8.16	03-17-79	1	0
1980	08-20-80	431.00	6	5.78	2		6.11	02-29-80	1	0
1981	07-25-81	3,180.00	6	12.90						0
1982	05-20-82	3,750.00	6	14.17						0
1983	10-10-82	1,100.00	6	8.20						0
1984	06-19-84	3,570.00	6	13.99						0
1985	03-20-85	615.00	6	6.86	2		8.77	03-17-85	1	0
1986	05-09-86	1,300.00	6	9.18						0
1987	03-09-87	792.00	6	8.12						0
1988	06-20-88	203.00	6	4.87	2		7.06	03-05-88	1	0
1989	03-13-89	533.00	6	6.76	2		10.56	03-11-89	1	0
1990	05-25-90	1,980.00	6	11.88						0
1991	05-15-91	877.00	6	8.27						0
1992	07-25-92	107.00	6	4.17	2		4.22	02-24-92	1	0
1993	06-30-93	4,550.00	6	14.03						0
1994	03-03-94	800.00	6	11.01						0

**Table 81. Station 06430500, Redwater Creek at Wyoming-South Dakota State line**

Station locator Latitude Longitude  
 443426 1040254  
 Drainage area: 471 mi<sup>2</sup>  
 Contributing drainage area: 471 mi<sup>2</sup>  
 Gage datum: 3,410.00 ft above sea level  
 Base discharge: 150 ft<sup>3</sup>/s

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1929	05-26-29	515.00	5							0
1930	06-09-30	162.00	5							0
1931	07-13-31	68.00	5							0
1936	07-13-36	650.00	5							0
1937	07-17-37	2,000.00	5							0
1955	06-11-55	194.00	5	3.87						0
1956	07-07-56	123.00	5	3.70	2		3.72	02-02-56	1	0
1957	08-21-57	108.00	5	4.01	2		4.58	01-31-57	1	0
1958	07-19-58	186.00	5	3.85						0
1959	06-25-59	37.00	5	2.73	2		3.36	12-09-58	1	0
1960	03-22-60	273.00	5	4.18						0
1961	01-16-61	28.00	1,5	2.75	2		4.33	01-26-61	1	0
1962	06-16-62	2,340.00	5	11.95						0
	05-23-62	419.00	5	5.10						4
	05-26-62	324.00	5	4.60						
	06-20-62	596.00	5	6.03						
	07-12-62	280.00	5	4.36						
1963	04-29-63	267.00	5	4.30						0
1964	06-23-64	798.00	5	7.04						3
	06-09-64	580.00	5	5.88						
	06-14-64	370.00	5	4.70						
	06-23-64	798.00	5	7.04						
1965	05-15-65	1,230.00	5	8.83						1
	05-25-65	360.00	5	4.79						
1966	07-28-66	217.00	5	3.96	2		4.11	03-04-66	1	0
1967	05-10-67	124.00	5	3.40	2		4.23	05-01-67	1	0
1968	07-26-68	94.00	5	3.05	2		3.91	01-07-68	1	0
1969	05-04-69	300.00	5	4.46						2
	03-16-69	183.00	5	3.64						
	06-27-69	167.00	5	3.56						
1970	06-12-70	948.00	5	7.61						6
	05-08-70	198.00	5	3.75						
	05-12-70	195.00	5	3.73						
	05-18-70	178.00	5	3.63						
	05-23-70	151.00	5	3.45						
	06-01-70	262.00	5	4.11						
	08-06-70	393.00	5	4.82						

**Table 81. Station 06430500, Redwater Creek at Wyoming-South Dakota State line—Continued**

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1971	02-13-71	391.00	5	4.80						3
	03-27-71	164.00	5	3.51						
	05-11-71	202.00	5	3.75						
1972	05-23-71	282.00	5	4.20						1
	06-20-72	251.00	5	4.07						
	06-13-72	172.00	5	3.60						
1973	08-22-73	2,440.00	5	12.19						2
	05-09-73	168.00	5	3.55						
	06-03-73	269.00	5	4.19						
1974	07-02-74	226.00	5	3.96						0
1975	05-07-75	127.00	5	3.36						0
1976	06-15-76	1,500.00	5	9.56						2
	05-30-76	164.00	5	3.58						
	07-13-76	542.00	5	5.68						
1977	08-15-77	172.00	5	3.56						0
1978	05-11-78	360.00	5	4.80						3
	03-19-78	260.00	5	4.14						
	04-29-78	186.00	5	3.72						
1979	05-20-78	188.00	5	3.80						0
1980	03-07-79	93.00	5	3.04	2		3.85	01-06-79	1	0
	06-14-80	738.00	5	6.65						0
	07-16-81	72.00	5	3.00						0
1982	05-16-82	646.00	5	6.36						1
	05-21-82	522.00	5	5.75						
	05-07-83	168.00	5	3.83						0
1984	06-16-84	1,960.00	5	10.89						1
	06-10-84	356.00	5	4.92						
	10-04-84	78.00	5	3.07	2		3.86	12-19-84	1	0
1986	06-30-86	465.00	5	5.71						2
	06-04-86	328.00	5	5.05						
	06-09-86	170.00	5	4.06						
1987	03-07-87	400.00	5	5.42						0
1988	05-09-88	75.00	5	3.25	2		4.06	01-05-88	1	0
	04-27-89	40.00	5	2.68	2		3.91	03-03-89	1	0
	10-29-89	34.00	5	2.98	2		3.39	11-02-89	1	0
1991	11-08-90	49.00	5	2.76						0
1992	07-29-92	32.00	5	3.14	2		3.19	12-01-91	1	0
1993	06-09-93	236.00	5	4.87						0
	05-06-94	82.00	5	3.66						0

**Table 82. Station 06431500, Spearfish Creek at Spearfish, South Dakota**

Station location  
 Latitude Longitude  
 442857 1035140

Drainage area: 168 mi<sup>2</sup>  
 Contributing drainage area: 168 mi<sup>2</sup>  
 Gage datum: 3,640.00 ft. above sea level  
 Base discharge: 150 ft<sup>3</sup>/s

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1904	06-05-04	5,000.00	7							0
1947	06-22-47	891.00	6	6.73						0
1948	06-24-48	417.00	6	5.89						0
1949	05-06-49	176.00	6	5.32	2		5.70	02-13-49	1	0
1950	05-22-50	116.00	6	5.09	2		6.67	01-05-50	1	0
1951	06-17-51	215.00	6	5.37	2		6.61	02-01-51	1	0
1952	05-22-52	947.00	6	6.81	2		7.29	01-24-52	1	0
1953	06-19-53	301.00	6	5.56						0
1954	05-30-54	147.00	6	5.15	2		6.39	01-17-54	1	0
1955	06-11-55	181.00	6	5.20	2		5.54	02-24-55	1	0
1956	07-16-56	300.00	6	5.61	2		5.86	02-02-56	1	0
1957	07-14-57	158.00	6	5.22	2		6.94	01-25-57	1	0
1958	07-03-58	571.00	6	6.23						0
1959	05-04-59	83.00	6	4.95	2		7.27	01-06-59	1	0
1960	05-10-60	86.00	6	5.02	2		5.92	11-14-59	1	0
1961	11-15-60	100.00	6	5.07	2		5.15	01-28-61	1	0
1962	05-22-62	830.00	6	6.64	2		7.13	01-23-62	1	0
1963	04-29-63	662.00	6	6.47	2		7.40	01-14-63	1	0
1964	06-09-64	3,040.00	6	7.97						0
1965	05-15-65	4,240.00	6	10.53						0
1966	04-17-66	112.00	6	6.47	2		6.56	03-04-66	1	0
1967	06-16-67	230.00	6	7.02						0
1968	06-25-68	106.00	6	6.60	2		7.13	01-03-68	1	0
1969	05-15-69	466.00	6	7.71	2		8.29	01-24-69	1	0
1970	06-12-70	884.00	6	8.21						0
1971	05-10-71	234.00	6	6.85						0
1972	05-13-72	163.00	6	6.74	2		7.35	01-27-72	1	0
1973	05-31-73	287.00	6	7.09						0
1974	01-01-74	175.00	6	7.29						0
1975	05-07-75	143.00	1,6							0
1976	06-15-76	3,870.00	6	10.54						0
1977	05-02-77	167.00	6	5.65						0
1978	05-11-78	230.00	6	5.92						0
1979	08-07-79	182.00	6	5.73						0
1980	04-21-80	85.00	6	5.35	2		7.89	01-30-80	1	0
1981	07-01-81	102.00	6	5.49						0
1982	05-22-82	2,110.00	6	8.81						0
1983	05-08-83	500.00	6	7.66						0

Table 82. Station 06431500, Spearfish Creek at Spearfish, South Dakota—Continued

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1984	06-17-84	285.00	6	7.31						0
1985	04-17-85	89.00	6	6.59	2		8.33	02-01-85	1	0
1986	04-28-86	104.00	6	6.66						0
1987	04-18-87	86.00	6	6.64						0
1988	05-14-88	118.00	6	6.75	2		6.89	01-04-88	1	0
1989	05-09-89	106.00	6	6.66	2		8.26	02-05-89	1	0
1990	05-05-90	82.00	6	6.62	2		8.14	12-22-89	1	0
1991	05-22-91	106.00	6	6.69						0
1992	04-29-92	70.00	6	6.57						0
1993	06-08-93	100.00	6	6.69						0
1994	04-25-94	175.00	6	6.90						0

**Table 83.** Station 06432200, Polo Creek near Whitewood, South Dakota

Station locator      Drainage area:      10.6    mi<sup>2</sup>  
 Contributing  
 Latitude Longitude      drainage area:      10.6    mi<sup>2</sup>  
 442749 1034341      Gage datum:  
 Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1956	- -56	0.00								0
1957	05-25-57	94.00		2.52						0
1958	07-02-58	270.00		2.94						0
1959	- -59	0.00								0
1960	- -60	0.00								0
1961	- -61	0.00								0
1962	05-22-62	264.00		2.93						0
1963	04-29-63	270.00		2.94						0
1964	06-09-64	794.00		3.77						0
1965	05-14-65	1,060.00		4.10						0
1966	- -66	0.00								0
1967	04-14-67	1,700.00		4.68						0
1968	- -68	0.00								0
1969	05-04-69	168.00		2.73						0
1970	06-12-70	370.00		3.28						0
1971	05-10-71	190.00		2.78						0
1972	06-19-72	550.00		3.43						0



**Table 84.** Station 06432230, Miller Creek near Whitewood, South Dakota

Station locator  
 Latitude Longitude  
 442828 1034415

Drainage area: 6.72 mi<sup>2</sup>  
 Contributing drainage area: 6.72 mi<sup>2</sup>  
 Gage datum:  
 Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1956	- 56	0.00								0
1957	- 57	0.00								0
1958	07-02-58	127.00		2.90						0
1959	- 59	0.00								0
1960	- 60	0.00								0
1961	- 61	0.00								0
1962	05-22-62	180.00		3.10						0
1963	04-29-63	64.00		2.63						0
1964	06-09-64	275.00		3.48						0
1965	05-14-65	330.00		3.68						0
1966	- 66	7.00								0
1967	- 67	11.00								0

**Table 85. Station 06433000, Redwater River above Belle Fourche, South Dakota**

Station locator Latitude Longitude  
 444002 1035020  
 Drainage area: 920 mi<sup>2</sup>  
 Contributing drainage area: 920 mi<sup>2</sup>  
 Gage datum: 3,000.00 ft above sea level  
 Base discharge: 500 ft<sup>3</sup>/s

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1946	05-31-46	2,550.00	5	8.55						5
	05-02-46	1,300.00	5	6.30						
	05-24-46	1,260.00	5	6.24						
	06-11-46	1,640.00	5	7.35						
	06-18-46	1,640.00	5	7.40						
	07-03-46	740.00	5	5.75						
	06-22-47	2,800.00	5	8.98						1
	03-17-47	834.00	5	6.13						
	07-11-48	672.00	5	5.73	2	7.06	02-13-48	1		0
	03-04-49	985.00	5	6.29	2	7.11	02-24-49	1		1
1949	03-21-49	587.00	5	5.49						
	04-06-50	340.00	5	4.83	2	6.21	02-02-50	1		0
	06-14-51	269.00	5	4.63	2	5.61	01-31-51	1		0
	05-23-52	1,120.00	5	6.62						1
	03-28-52	590.00	5	5.60						
	06-20-53	852.00	5	6.13						1
	05-29-53	748.00	5	5.93						
	05-31-54	270.00	5	4.72	2	9.45	-54	1		0
	06-11-55	483.00	5	5.35						0
	12-23-55	480.00	5	8.35	1					0
1956	06-25-57	453.00	5	5.28	2	6.69	02-08-57	1		0
	06-15-58	608.00	5	5.61						1
	07-04-58	516.00	5	5.44						
	03-01-59	246.00	5	4.56	2	5.84	01-04-59	1		0
	03-21-60	516.00	5	5.50	2	5.77	03-04-60	1		0
	07-27-61	178.00	5	4.28	2	5.62	01-26-61	1		0
	06-16-62	16,400.00	5	11.69						6
	05-23-62	1,470.00	5	7.08						
	05-25-62	1,020.00	5	6.41						
	05-29-62	874.00	5	6.14						
1962	06-21-62	794.00	5	6.02						
	07-04-62	1,040.00	5	6.46						
	07-12-62	888.00	5	6.16						
	04-30-63	1,010.00	5	6.42	2	7.36	02-01-63	1		1
	06-16-63	831.00	5	6.10						
	06-09-64	2,690.00	5	8.41						1
	06-23-64	1,110.00	5	7.08						
	05-15-65	8,480.00	5	10.53						1
	05-25-65	1,320.00	5	7.09						
	07-28-66	586.00	5	5.84	2	6.92	02-23-66	1		0
1967	06-16-67	654.00	5	6.02						0

Table 85. Station 06433000, Redwater River above Belle Fourche, South Dakota—Continued

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1968	06-25-68	310.00	5	5.16	2		10.14	01-16-68	1	0
1969	05-16-69	1,380.00	5	7.13	2		7.66	01-06-69	1	2
	03-16-69	695.00	5	6.11						
	05-05-69	1,150.00	5	6.85						
1970	06-13-70	1,870.00	5	7.68						3
	05-08-70	801.00	5	6.39						
	05-14-70	976.00	5	6.61						
	05-30-70	694.00	5	6.06						
1971	05-23-71	890.00	5	5.75	2		8.40	02-11-71	1	0
1972	06-18-72	1,200.00	5	5.89	2		7.34	02-16-72	1	0
1973	04-20-73	1,070.00	5	4.77						4
	05-09-73	798.00	5	4.43						
	05-29-73	882.00	5	4.54						
	06-01-73	922.00	5	4.59						
	08-23-73	820.00	5	4.43						
1974	12-31-73	375.00	5				7.03	01-08-74	1	0
1975	05-06-75	560.00	5	4.29	2		4.78	03-30-75	1	0
1976	06-15-76	6,780.00	5	9.11	2		9.20	12-01-75	1	3
	06-06-76	632.00	5	4.42						
	07-13-76	740.00	5	4.56						
	07-21-76	686.00	5	4.41						
1977	05-02-77	364.00	5	3.76	2		9.63	12-30-76	1	0
1978	03-18-78	1,090.00	5	5.07	2		6.64	03-04-78	1	4
	04-30-78	882.00	5	4.76						
	05-09-78	912.00	5	4.75						
	05-12-78	888.00	5	4.72						
	05-19-78	522.00	5	4.03						
1979	03-08-79	356.00	5	3.74	2		10.98	- -80	1	0
1980	06-15-80	570.00	5	4.30	2					0
1981	06-13-81	211.00	5	3.36						0
1982	05-20-82	6,920.00	5	8.82						1
	05-16-82	3,940.00	5	8.15						
1983	05-10-83	912.00	5	4.30						1
	10-10-82	620.00	2,5							
1984	06-15-84	3,950.00	5	7.46						1
	05-01-84	580.00	5	3.69						
1985	01-05-85	210.00	5	3.08	1,2		10.99	02-03-85	1	0
1986	05-09-86	435.00	5	3.37	2		5.70	- -86		0
1987	03-07-87	425.00	5	3.30						0
1988	05-13-88	284.00	5	3.06						0
1989	05-03-89	241.00	5	2.89	2		5.33	03-03-89	1	0
1990	05-14-90	214.00	5	2.90	2		5.72	12-17-89	1	0
1991	06-08-91	310.00	5	3.12						0
1992	04-19-92	152.00	5	2.75						0
1993	06-09-93	735.00	5	3.97						1
	05-08-93	650.00	5	3.80						
1994	03-03-94	460.00	5	3.65	2		6.77	02-11-94	1	0

**Table 86. Station 06433500, Hay Creek at Belle Fourche, South Dakota**

Station locator: 121 mi<sup>2</sup>  
 Drainage area: 121 mi<sup>2</sup>  
 Contributing drainage area: 121 mi<sup>2</sup>  
 Gage datum: 3,005.18 ft above sea level  
 Base discharge: 50.0 ft<sup>3</sup>/s

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1954	04-06-54	18.00	5	3.55						0
1955	04-09-55	29.00	5	3.77						0
1956	07-16-56	15.00	5	3.52	2		3.89	12-23-55	1	0
1957	06-25-57	132.00	5	4.46						2
	06-22-57	51.00	5	4.11						
	09-01-57	117.00	5	4.49						
1958	04-07-58	63.00	5	4.18			4.43	01-22-59	1	0
1959	02-15-59	2.00	5							0
1960	03-20-60	42.00	5	4.24						0
1961	07-05-61	9.00	5	3.87						0
1962	06-16-62	348.00	5	6.51						5
	05-22-62	97.00	5	5.15						
	05-27-62	125.00	5	5.37						
	05-29-62	166.00	5	5.65						
	07-04-62	111.00	5	5.27						
	07-12-62	77.00	5	4.98						
1963	06-18-63	40.00	5	4.66						0
1964	06-22-64	422.00	5	7.12						1
	06-09-64	157.00	5	6.04						
1965	05-25-65	106.00	5	5.37						0
1966	07-29-66	45.00	5	5.25						0
1967	05-06-67	83.00	5	5.26						0
1968	06-24-68	48.00	5	5.04						0
1969	04-30-69	12.00	5	4.15	2		4.40	03-18-69	1	0
1970	05-15-70	67.00	5	5.24						0
1971	02-14-71	200.00	5	7.37	1					0
1972	06-19-72	930.00	5	9.15						0
1973	04-21-73	99.00	5	5.63						2
	10-03-72	60.00	5	5.11						
	04-19-73	98.00	5	5.62						
1974	04-15-74	80.00	5	5.43						0
1975	04-08-75	23.00	5	4.49						0
1976	06-15-76	654.00	5	8.24						1
	06-18-76	236.00	5	6.67						
1977	04-07-77	26.00	5	4.69						0
1978	03-12-78	243.00	5	6.97	1					2
	03-19-78	159.00	5	6.35						
	05-08-78	94.00	5	5.70						

Table 86. Station 06433500, Hay Creek at Belle Fourche, South Dakota—Continued

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1979	06-16-79	34.00	5				5.80	03-10-79	1	0
1980	09-12-80	75.00	5	5.53						0
1981	07-25-81	168.00	5	6.63						2
	06-12-81	88.00	5	5.62						
	09-06-81	51.00	5	5.07						
1982	05-20-82	926.00	5	8.93						1
	05-16-82	313.00	5	6.78						
1983	10-09-82	156.00	5	6.18						1
	04-16-83	82.00	5	5.49						
1984	06-11-84	132.00	5	6.19						1
	05-04-84	50.00	5	5.27						
1985	03-19-85	18.00	5	4.05	2		5.00	03-15-85	1	0
1986	05-09-86	47.00	5	4.89						0
1987	04-05-87	30.00	5	4.60	2		4.65	05-27-87	1	0
1988	05-01-88	10.00	5	4.10	2		4.13	02-12-88	1	0
1989	05-01-89	26.00	5	4.51						0
1990	05-26-90	51.00	5	5.24						0
1991	06-20-91	27.00	5	4.73						0
1992	07-29-92	16.00	5	4.38						0
1993	06-08-93	96.00	5	6.28						1
	06-30-93	60.00	5	5.82						
1994	07-14-94	59.00	5	5.55	2		6.29	03-03-94	1	0

**Table 87.** Station 06434800, Owl Creek tributary near Belle Fourche, South Dakota

Station locator      Drainage area:      3.06 mi<sup>2</sup>  
 Contributing  
 Latitude Longitude      drainage area:      3.06 mi<sup>2</sup>  
 444932 1035106      Gage datum:  
 Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1970	- -70	10.00								0
1971	04-20-71	20.00								0
1972	06-10-72	102.00		3.44						0
1973	- -73	50.00								0
1974	- -74	20.00								0
1975	06-26-75	47.00		2.91						0
1976	06-15-76	267.00		4.73						0
1977	06-21-77	30.00		2.72						0
1978	10-01-77	73.00		3.17						0
1979	06-17-79	59.00		3.03						0

**Table 88.** Station 06435500, Belle Fourche River near Belle Fourche, South Dakota

Station locator  
 Latitude Longitude  
 444130 1034930

Drainage area: 4,310 mi<sup>2</sup>  
 Contributing drainage area: 4,310 mi<sup>2</sup>  
 Gage datum: 3,000.00 ft above sea level  
 Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water Year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1924	04-09-24	22,400.00								0
1927	05-13-27	8,250.00								0
1928	03-12-28	9,660.00								0
1929	04-08-29	15,000.00								0
1930	06-09-30	2,060.00								0
1931	06-11-31	848.00								0
1932	04-24-32	6,310.00								0
1933	05-25-33	5,090.00								0
1934	06-10-34	596.00								0
1935	06-02-35	1,090.00								0
1936	03-05-36	1,440.00								0
1937	07-17-37	5,350.00								0
1938	06-28-38	590.00								0
1939	03-23-39	1,070.00								0
1940	06-04-40	2,700.00								0
1941	06-10-41	8,960.00								0
1942	05-14-42	3,740.00								0
1943	05-28-43	5,520.00								0

**Table 89. Station 06436000, Belle Fourche River near Fruitdale, South Dakota**

Station location Latitude Longitude  
 444127 1034414  
 Drainage area: 4,540 mi<sup>2</sup>  
 Contributing drainage area: 4,540 mi<sup>2</sup>  
 Gage datum: 2,925.00 ft above sea level  
 Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1946	06-01-46	5,710.00	6							0
1947	06-23-47	7,460.00	6							0
1948	06-18-48	2,720.00	6							0
1949	03-25-49	2,280.00	6				9.74	03-05-49	1	0
1950	05-10-50	1,530.00	6				6.78	04-06-50	1	0
1951	09-07-51	1,680.00	6	5.66						0
1952	03-31-52	2,280.00	6	6.10						0
1953	08-06-53	4,070.00	6	7.83						0
1954	11-26-53	110.00	6	3.50						0
1955	04-12-55	597.00	6	4.44						0
1956	12-23-55	320.00	6	4.36	1					0
1957	09-01-57	144.00	6	3.92						0
1958	06-16-58	183.00	6	3.93						0
1959	10-20-58	13.00	1,6							0
1960	03-24-60	2,530.00	6				6.38	03-23-60	1	0
1961	09-21-61	7.00	6	3.64						0
1962	06-16-62	7,840.00	6	11.25						0
1963	04-30-63	1,580.00	6	5.72						0
1964	06-09-64	3,030.00	6	7.30						0
1965	05-15-65	8,100.00	6	10.53						0
1966	03-17-66	1,560.00	6	5.65	2		5.70	03-14-66	1	0
1967	06-17-67	1,560.00	6	5.66						0
1968	05-14-68	40.00	6	3.72						0
1969	05-04-69	2,350.00	6	7.00						0
1970	05-15-70	3,570.00	6	7.57						0
1971	04-22-71	2,770.00	6	7.19	2		7.70	02-14-71	1	0
1972	06-19-72	6,270.00	6	9.42						0
1973	04-21-73	3,110.00	6	7.23						0
1974	04-14-74	1,210.00	6	5.11						0
1975	05-12-75	2,190.00	6	6.39						0
1976	06-15-76	12,200.00	6	13.18						0
1977	04-10-77	74.00	6	2.83						0
1978	05-08-78	3,780.00	6	9.03						0
1979	05-10-79	248.00	6	3.66						0
1980	06-15-80	634.00	6	4.75						0
1981	07-26-81	1,460.00	6	6.40						0
1982	05-20-82	12,700.00	6	14.32						0
1983	10-10-82	978.00	6	6.18						0



**Table 89. Station 06436000, Belle Fourche River near Fruitdale, South Dakota—Continued**

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1984	06-20-84	4,330.00	6	9.73						0
1985	08-06-85	23.00	6	3.29						0
1986	05-10-86	810.00	6	5.51						0
1987	04-09-87	862.00	6	5.59						0
1988	11-16-87	191.00	6	3.64						0
1989	07-20-89	30.00	6	2.48						0
1990	05-26-90	1,280.00	6	6.17						0
1991	10-31-90	470.00	6	4.45						0
1992	07-13-92	22.00	6	2.28						0
1993	06-30-93	3,890.00	6	9.72						0
1994	05-01-94	1,240.00	6	6.18	2	8.83	03-03-94	1		0

**Table 90. Station 06436170, Whitewood Creek at Deadwood, South Dakota**

Station Locator      Drainage area:      40.6    mi<sup>2</sup>  
 Latitude Longitude    Contributing  
                          drainage area:      40.6    mi<sup>2</sup>  
 442248 1034325      Gage datum:      4,500.00 ft above sea level  
                          Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1982	05-15-82	2,660.00		5.54						0
1983	05-07-83	715.00		4.90						0
1984	05-14-84	562.00		4.78	2		5.03	12-27-83	1	0
1985	09-02-85	81.00		3.47	2		3.92	02-04-85	1	0
1986	06-10-86	268.00		4.29						0
1987	05-23-87	368.00		4.58						0
1988	05-08-88	256.00		4.25						0
1989	05-05-89	161.00		4.20						0
1990	05-13-90	97.00		3.87	2		4.38	12-22-89	1	0
1991	06-05-91	2,500.00		6.68						0
1992	06-14-92	219.00		4.32						0
1993	07-20-93	2,120.00		6.09						0
1994	04-20-94	263.00		4.75						0

**Table 91. Station 06436180, Whitewood Creek above Whitewood, South Dakota**

Drainage area: 56.3 mi<sup>2</sup>  
 Contributing drainage area: 56.3 mi<sup>2</sup>  
 Gage datum: 3,680.00 ft above sea level  
 Base discharge: 100 ft<sup>3</sup>/s

Station locator  
 Latitude Longitude  
 442632 1033744

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since (ft)	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1983	05-07-83	684.00		4.60						0
1984	06-14-84	422.00		3.99	2	4.55	4.55	01-02-84	1	0
1985	04-03-85	43.00		2.46	2	4.44	4.44	01-13-85	1	0
1986	06-10-86	192.00		3.44	2	4.19	4.19	02-20-86	1	4
	04-24-86	183.00		3.32						
	05-09-86	104.00		2.97						
	06-03-86	102.00		3.00						
	06-30-86	109.00		3.07						
1987	05-23-87	216.00		3.50	2	4.29	4.29	12-20-86	1	0
1988	05-08-88	206.00		3.53	2	5.32	5.32	01-20-88	1	0
1989	05-05-89	174.00		3.28	2	4.75	4.75	01-17-89	1	1
	05-12-89	100.00		2.90						
1990	05-13-90	110.00		3.06	2	4.25	4.25	02-04-90	1	1
	05-04-90	103.00		3.00						
1991	06-05-91	2,080.00		5.68						4
	05-15-91	232.00		3.40						
	05-22-91	248.00		3.45						
	05-28-91	185.00		3.25						
	06-03-91	271.00		3.52						
1992	06-14-92	185.00		3.25	2	3.63	3.63	01-04-92	1	0
1993	07-21-93	722.00		4.41						0
1994	04-20-94	261.00		3.17	2	3.78	3.78	01-23-94	1	0

**Table 92. Station 06436190, Whitewood Creek near Whitewood, South Dakota**

Station locator      Drainage area:      77.4    mi<sup>2</sup>  
 Contributing  
 Latitude Longitude      drainage area:      77.4    mi<sup>2</sup>  
 443230 1033416      Gage datum:      3,175.00 ft above sea level  
    Base discharge:      150    ft<sup>3</sup>/s

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1982	05-20-82	3,050.00		4.52						0
1983	05-07-83	736.00		3.08						0
1984	06-09-84	611.00		2.97						0
1985	03-15-85	39.00		1.19	2		1.56	12-29-84	1	0
1986	09-24-86	2,490.00		4.52						0
1987	05-23-87	158.00		1.46						0
1988	05-08-88	277.00		2.00						0
1989	05-05-89	161.00		1.84						0
1990	05-04-90	95.00		1.61						0
1991	06-05-91	1,030.00		3.41						0
1992	06-14-92	172.00		2.23						0
1993	05-05-93	1,050.00		3.42						0
1994	04-23-94	261.00		3.76						0

**Table 93. Station 06436198, Whitewood Creek above Vale, South Dakota**

Station locator  
Latitude Longitude  
 444851 1034122

Drainage area: 102 mi<sup>2</sup>  
 Contributing drainage area: 102 mi<sup>2</sup>  
 Gage datum: 2,840.00 ft above sea level  
 Base discharge: 170 ft<sup>3</sup>/s

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1983	05-07-83	502.00		2.10						3
	04-16-83	371.00		1.89						
	04-17-83	338.00		1.83						
	04-25-83	279.00		1.73						
1984	06-10-84	1,070.00		2.60	2		2.67	01-04-84	1	6
	04-28-84	529.00		2.13						
	05-03-84	371.00		1.87						
	05-05-84	289.00		1.71						
1985	05-10-84	256.00		1.64						0
	06-14-84	382.00		1.79						
	06-15-84	452.00		1.92						
	05-26-85	81.00		1.37	2		3.20	02-10-85	1	
	09-24-86	3,680.00		4.32						
	04-18-86	279.00		1.74						
1986	04-25-86	179.00		1.50						3
	05-09-86	477.00		2.10						
	04-04-87	202.00		1.56						
	05-23-87	171.00		1.48						
1987	05-08-88	223.00		1.66	2		2.68	01-10-88	1	1
	05-03-89	160.00		1.48	2		2.57	02-09-89	1	
1988	05-24-90	342.00		1.88						0
	06-06-91	726.00		2.44						
	05-12-91	325.00		1.87						
	05-15-91	331.00		1.88						
1989	05-23-91	223.00		1.66						0
	05-28-91	186.00		1.57						
1990	06-14-92	89.00		1.28	2		1.61	01-01-92	1	0
	05-05-93	2,520.00		5.06						
1991	04-22-94	365.00		2.14	2		5.02	03-02-94	1	0

**Table 94. Station 06436700, Indian Creek near Arpan, South Dakota**

Station locator Latitude Longitude 444851 1034122  
 Drainage area: Contributing 315 mi<sup>2</sup>  
 drainage area: 315 mi<sup>2</sup>  
 Gage datum: 2,900.00 ft above sea level  
 Base discharge: 350 ft<sup>3</sup>/s

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1962	05-26-62	1,850.00		15.11						4
	05-22-62	1,740.00		14.94						
	05-29-62	1,080.00		13.47						
	06-16-62	1,050.00		13.39						
	06-25-62	455.00		10.65						
	06-06-63	1,510.00		14.48						
1963	04-29-63	379.00		9.89						1
	06-23-64	1,340.00		14.56						
1964	06-09-64	617.00		12.45						1
	05-25-65	1,460.00		14.37						
1965	03-14-66	140.00	1				8.45	03-23-66	1	0
1966	05-08-67	2,690.00		14.58						0
1967	06-08-67	1,100.00	1							2
	06-15-67	1,000.00	1							
1968	08-09-68	21.00		4.01						0
1969	07-09-69	267.00		7.30	2		8.06	03-19-69	1	0
1970	04-24-70	594.00		9.85						1
	05-14-70	471.00		9.25						
1971	09-06-71	1,250.00		13.23						5
	02-17-71	1,050.00								
	03-14-71	594.00		9.67						
	03-29-71	431.00		8.90						
	06-07-71	625.00		9.80						
	06-11-71	1,080.00		11.26						
1972	05-26-72	2,210.00		13.41	2		13.96	10-03-71		3
	03-01-72	600.00								
	03-09-72	1,400.00		12.12						
	05-12-72	1,280.00		11.81						
1973	05-26-73	63.00								0
	07-29-74	180.00					6.86	01-17-73	1	
1974	06-27-75	1,940.00					12.26	01-21-74	1	0
1975	04-19-75	352.00		13.51						3
	05-07-75	1,640.00		9.07						
1976	05-10-75	747.00		10.79						1
	06-15-76	16,700.00		18.00						
1977	06-17-76	3,200.00		15.52						0
	04-08-77	1,070.00		11.90						

**Table 94. Station 06436700, Indian Creek near Arpan, South Dakota—Continued**

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1978	05-08-78	4,410.00		16.06						8
	10-03-77	381.00		9.28						
	10-09-77	647.00		11.06						
	03-22-78	2,720.00		14.37						
	03-26-78	932.00		12.47						
	05-05-78	1,640.00		13.72						
	05-20-78	500.00		9.87						
	07-06-78	2,630.00		14.74						
	07-23-78	518.00		10.01						
	03-18-79	437.00		8.91	2		12.24	03-13-79	1	
1979									0	
1980	09-15-80	105.00		5.50						0
1981	07-26-81	620.00		10.27						0

**Table 95. Station 06436760, Horse Creek above Vale, South Dakota**

Drainage area: 464 mi<sup>2</sup>  
 Contributing drainage area: 464 mi<sup>2</sup>  
 Gage datum: 2,710.00 ft above sea level  
 Base discharge: 400 ft<sup>3</sup>/s

Station locator  
 Latitude Longitude  
 443908 1032159

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1981	07-27-81	564.00	5	6.84						0
	05-21-82	17,700.00	5	24.80						6
1982	05-17-82	2,120.00	5	11.32						
	05-30-82	951.00	5	8.33						
	06-07-82	2,180.00	5	12.60						
	06-15-82	517.00	5	6.50						
	06-18-82	1,030.00	5	8.60						
	07-26-82	691.00	5	7.32						
	10-10-82	1,480.00	5	9.90						0
	05-06-84	1,670.00	5	10.68						4
	06-11-84	613.00	5	6.95						
	06-13-84	667.00	5	7.21						
1983	06-16-84	623.00	5	7.00						
	06-21-84	1,140.00	5	9.10						
1985	03-20-85	1,350.00	5	9.80						0
	05-10-86	7,410.00	5	18.56						7
1986	03-02-86	1,160.00	5	9.07						
	03-06-86	800.00	5	7.73						
	03-12-86	334.00	5	5.26						
	04-08-86	385.00	5	5.53						
	04-20-86	723.00	5	7.38						
	04-28-86	1,070.00	5	8.77						
	09-25-86	5,950.00	5	18.32						
	04-06-87	1,690.00	5	10.72						6
	10-05-86	217.00	5	4.37						
	03-08-87	779.00	5	7.76						
	05-22-87	220.00	5	4.48						
	08-13-87	277.00	5	4.91						
	09-07-87	215.00	5	4.44						
	09-08-87	213.00	5	4.42						
1988	07-02-88	254.00	5	4.68						0
	05-02-89	1,190.00	5	9.87						2
1989	03-31-89	200.00	5	4.35						
	04-29-89	763.00	5	7.80						
1990	05-28-90	218.00	5	4.43	2		5.32	02-27-90	1	0
	05-12-91	126.00	5	3.70						0
1991	07-13-92	400.00	5	5.81						0



Table 95. Station 06436760, Horse Creek above Vale, South Dakota—Continued

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since (ft)	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1993	07-02-93	2,670.00	5	13.76						9
	03-10-93	325.00	5	5.32						
	03-26-93	573.00	5	6.46						
	04-21-93	269.00	5	4.52						
	05-09-93	1,680.00	5	11.00						
	06-10-93	1,310.00	5	9.78						
	07-11-93	532.00	5	6.51						
	07-19-93	1,920.00	5	11.72						
	07-27-93	934.00	5	8.37						
	08-02-93	668.00	5	7.19						
1994	03-04-94	2,200.00	5	14.36	1					2
	03-16-94	292.00	5	4.76						
	05-03-94	441.00	5	5.51						

**Table 96. Station 06436800, Horse Creek near Vale, South Dakota**

Station locator  
 Latitude Longitude  
 443930 1032017

Drainage area: 530 mi<sup>2</sup>  
 Contributing drainage area: 530 mi<sup>2</sup>  
 Gage datum: 2,688.96 ft above sea level  
 Base discharge: 400 ft<sup>3</sup>/s

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1962	05-24-62	2,280.00	5	10.65						3
	05-28-62	2,160.00	5	10.44						
	06-17-62	1,670.00	5	9.52						
1963	06-25-62	865.00	5	7.77						
	06-08-63	1,410.00	5	8.99						1
	04-30-63	407.00	5	6.05						
1964	06-10-64	1,640.00	5	9.37						2
	06-24-64	1,460.00	5	9.05						
	07-03-64	848.00	5	7.62						
1965	05-26-65	2,380.00	5	10.84						2
	05-12-65	440.00	5	6.13						
	05-15-65	490.00	5	6.34						
1966	08-12-66	298.00	5	5.60	2	9.26	03-24-66	1		0
1967	06-08-67	2,110.00	5	10.33						2
	05-09-67	1,740.00	5	9.59						
1968	06-15-67	1,440.00	5	8.99						
	07-29-68	250.00	5	5.27						0
1969	05-05-69	590.00	5	6.85						0
1970	05-15-70	691.00	5	7.06						1
	04-25-70	575.00	5	6.75						
1971	03-14-71	1,150.00	5			9.33	03-14-71	1		7
	03-30-71	407.00	5	6.10						
1972	06-03-71	561.00	5	6.66						
	06-08-71	476.00	5	6.32						
	06-12-71	621.00	5	6.86						
	06-18-71	410.00	5	6.15						
	06-31-71	455.00	5	6.36						
	09-07-71	1,050.00	5	8.15						
	10-04-71	2,160.00	5	10.36						6
	02-29-72	1,000.00	5							
	03-02-72	850.00	5							
	03-10-72	800.00	5							
	03-13-72	650.00	5							
	05-13-72	694.00	5							
1973	05-28-72	848.00	5	7.05						0
	07-24-73	270.00	5	5.38						0
1974	07-30-74	250.00	5	5.33	2	6.24	01-18-74	1		0

Table 96. Station 06436800, Horse Creek near Vale, South Dakota—Continued

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1975	05-08-75	1,420.00	5	8.96						3
	04-10-75	500.00	5	7.62						
	05-11-75	510.00	5	6.58						
1976	06-29-75	827.00	5	7.64						2
	06-16-76	11,600.00	5	14.61						
	06-18-76	3,860.00	5	12.11						
	07-13-76	621.00	5	7.00						
1977	04-09-77	1,030.00	5	8.02					0	
1978	03-22-78	3,540.00	5	11.97						6
	10-10-77	496.00	5	6.39						
	05-06-78	1,430.00	5	8.98						
	05-09-78	1,920.00	5	10.00						
	05-21-78	572.00	5	6.80						
1979	07-08-78	2,000.00	5	10.15						0
	07-24-78	523.00	5	6.82						
1980	07-16-79	1,750.00	5	9.54						0
	06-01-80	242.00	5	5.45						

**Table 97. Station 06437000, Belle Fourche River near Sturgis, South Dakota**

Station locator  
 Latitude Longitude  
 443047 1030811

Drainage area: 5,870 mi<sup>2</sup>  
 Contributing drainage area: 5,870 mi<sup>2</sup>  
 Gage datum: 2,526.13 ft above sea level  
 Base discharge: 1,500 ft<sup>3</sup>/s

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since (ft)	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1946	05-24-46	17,900.00	6	13.86						0
1947	06-23-47	14,400.00	6	12.53						7
	10-06-46	2,730.00	6	6.67						
	10-09-46	2,730.00	6	6.73						
	02-19-47	3,000.00	2,6							
	03-18-47	5,530.00	6	8.23						
	03-21-47	7,830.00	6	9.46						
	03-31-47	2,130.00	6	5.91						
	04-05-47	3,770.00	6	7.13						
1948	03-22-48	4,220.00	6	7.77	2		9.46	03-21-48	1	2
	06-19-48	4,060.00	6	7.61						
	06-22-48	2,520.00	6	6.53						
1949	03-23-49	5,500.00	2,6							
	03-06-49	3,500.00	2,6	12.30	1		12.30	03-06-49	1	1
1950	04-08-50	5,170.00	6	8.27	2		10.35	04-05-50	1	2
	04-15-50	4,820.00	6	8.12						
	05-11-50	2,330.00	6	6.53						
1951	06-20-51	1,330.00	6	5.70						0
1952	03-30-52	6,300.00	6	8.92	2		11.97	03-28-52	1	0
1953	06-16-53	6,640.00	6	9.10						0
1954	05-23-54	3,160.00	6	7.08						0
1955	07-24-55	848.00	6	5.24	2		5.73	03-10-55	1	0
1956	07-04-56	2,580.00	6	6.72						0
1957	05-21-57	1,230.00	6	5.62	2		6.25	02-13-57	1	0
1958	06-08-58	1,950.00	6	6.35						0
1959	07-16-59	1,380.00	6	5.83	2		6.15	03-04-59	1	0
1960	03-22-60	2,800.00	6	7.20	1					0
1961	06-29-61	2,720.00	6	6.81						0
1962	06-16-62	11,900.00	6	14.32						0
1963	06-16-63	4,000.00	6	8.80						0
1964	06-09-64	10,100.00	6	12.16						0
1965	05-25-65	14,400.00	6	14.14						0
1966	03-17-66	2,900.00	6	7.85	1					0
1967	06-14-67	6,540.00	6	10.08						0
1968	06-10-68	727.00	6	4.93	2		5.46	02-27-68	1	0
1969	05-05-69	3,310.00	6	8.00	2		10.36	03-19-69	1	0
1970	05-15-70	4,600.00	6	8.87						0

Table 97. Station 06437000, Belle Fourche River near Sturgis, South Dakota—Continued

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1971	05-24-71	5,160.00	6	9.13	2		11.30	02-14-71	1	0
1972	06-10-72	7,060.00	6	10.56	2		12.24	02-29-72	1	0
1973	04-21-73	4,140.00	6	8.80						0
1974	04-14-74	1,100.00	6	5.53						0
1975	05-07-75	5,640.00	6	9.85						0
1976	06-15-76	19,100.00	6	16.04						0
1977	04-09-77	2,680.00	6	7.29						0
1978	03-21-78	7,460.00	6	10.77						0
1979	08-04-79	2,740.00	6				8.55	03-13-79	1	0
1980	06-14-80	2,820.00	6	7.47						0
1981	06-13-81	4,110.00	6	8.73						0
1982	05-21-82	36,400.00	6	19.10						0
1983	10-10-82	6,060.00	6	9.72						0
1984	06-16-84	9,560.00	6	12.15						0
1985	03-20-85	2,770.00	6	7.48						0
1986	09-26-86	10,400.00	6	12.38						0
1987	04-05-87	2,670.00	6	7.32						0
1988	07-01-88	1,610.00	6	6.17						0
1989	05-03-89	1,470.00	6	5.84						0
1990	05-24-90	976.00	6	5.12						0
1991	05-12-91	2,820.00	6	7.48						0
1992	07-12-92	1,790.00	6	6.57						0
1993	05-09-93	9,980.00	6	12.18						0
1994	03-05-94	4,680.00	6	9.01	2		11.72	03-03-94	1	0

**Table 98. Station 06437100, Boulder Creek near Deadwood, South Dakota**

Station locator  
 Latitude Longitude  
 442328 1033938

Drainage area: 1.32 mi<sup>2</sup>  
 Contributing drainage area: 1.32 mi<sup>2</sup>  
 Gage datum:  
 Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest gage height since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1956	- -56	0.00								0
1957	05-25-57	24.00		4.50						0
1958	07-02-58	139.00		7.22						0
1959	- -59	0.00								0
1960	03- -60	10.00		4.13						0
1961	- -61	0.00								0
1962	06-15-62	210.00		8.46						0
1963	04-29-63	34.00		4.76						0
1964	06-09-64	179.00		7.93						0
1965	05-14-65	202.00		8.32						0
1966	04-12-66	1.00		4.49	1					0
1967	06-15-67	68.00		5.66						0
1968	06-25-68	13.00		4.20						0
1969	05-04-69	21.00		4.42						0
1970	06-12-70	206.00		8.38						0
1971	05-23-71	61.00		5.48						0
1972	06-09-72	59.00		5.59						0
1973	04-23-73	45.00		5.93	1					0
1974	04-20-74	30.00		5.86	1					0
1975	05-08-75	32.00		4.85						0
1976	06-14-76	323.00		11.45						0
1977	04-09-77	35.00		4.61	1					0
1978	05-10-78	48.00		5.28						0
1979	04- -79	40.00	2							0
1980	- -80	5.00	2							0



Table 99. Station 06437500, Bear Butte Creek near Sturgis, South Dakota—Continued

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since (ft)	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1971	05-23-71	1,550.00		9.82						5
	02-12-71	450.00								
	04-23-71	200.00		5.80						
	05-11-71	711.00		8.72						
	05-31-71	588.00		8.18						
1972	06-02-71	700.00		8.65						2
	06-10-72	7,220.00		11.32						
	06-20-72	477.00		7.68						
	06-25-72	236.00		6.18						
	- -90	90.00	1	4.85						
1990	- -90	90.00	1	4.85						0
1991	- -91	3,140.00	2	10.20						0
1992	- -92	0.00								0
1993	05-06-93	1,300.00		9.48						0
1994	05-05-94	754.00		8.64						0



**Table 100. Station 06438000, Belle Fourche River near Elm Springs, South Dakota**

Station locator  
 Latitude Longitude  
 442211 1023356

Drainage area: 7,210 mi<sup>2</sup>  
 Contributing drainage area: 7,210 mi<sup>2</sup>  
 Gage datum: 2,171.60 ft above sea level  
 Base discharge: 3,500 ft<sup>3</sup>/s

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest gage height since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1927	05- -27			21.80						0
1929	06-03-29	25,500.00	6	11.30						0
1930	06-25-30	5,480.00	6	5.26						0
1931	07-03-31	15,100.00	6	8.40						0
1932	04-25-32	14,400.00	6	7.90						0
1933	- -33			20.00						0
1934	06-09-34	595.00	6	2.38						0
1935	06-01-35	24,800.00	6	11.15			5.40	03-06-36	1	0
1936	07-26-36	4,890.00	6							0
1937	07-13-37	29,300.00	6	12.30						0
1938	06-24-38	6,910.00	6	5.79						0
1939	03-21-39	1,740.00	6	4.03	1					0
1940	06-05-40	5,510.00	6	5.38						1
	04-29-40	3,530.00	6	4.63						
1941	06-10-41	35,700.00	6	14.30						3
	04-15-41	12,900.00	6	8.50						
	06-02-41	15,500.00	6	9.30						
	06-07-41	16,200.00	6	9.54						
1942	05-18-42	14,500.00	6	9.00						4
	05-01-42	7,600.00	6	6.65						
	05-14-42	8,340.00	6	6.87						
	06-06-42	7,120.00	6	6.42						
	06-28-42	3,670.00	6	4.87						
1943	06-14-43	21,900.00	6	11.10						2
	03-29-43	7,360.00	6	6.52						
	06-10-43	6,180.00	6	5.96						
1944	06-18-44	22,200.00	6	11.20	2		13.75	03-28-44	1	7
	04-06-44	19,000.00	6	10.30						
	05-20-44	3,670.00	6	4.93						
	06-05-44	8,340.00	6	6.88						
	06-09-44	3,880.00	6	4.96						
	06-13-44	12,900.00	6	8.46						
	06-23-44	11,400.00	6	7.75						
	07-09-44	5,600.00	6	5.60						
	06-14-45	4,710.00	6	5.63						
1945	03-15-45	13,300.00	6	8.97						3
	03-25-45	8,000.00	6	6.95						
	06-10-45	8,210.00	6	7.08						
	06-14-45	4,710.00	6	5.63						

**Table 100. Station 06438000, Belle Fourche River near Elm Springs, South Dakota—Continued**

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since (ft)	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks	
1946	05-24-46	25,500.00	6	12.56						3	
	05-02-46	12,200.00	6	8.58							
	06-01-46	18,500.00	6	10.68							
	06-19-46	22,200.00	6	11.22							
	06-23-47	20,400.00	6	10.71						3	
	10-07-46	3,680.00	6	4.86							
1947	03-19-47	4,840.00	6	5.42							
	04-05-47	6,180.00	6	5.99							
	03-22-48	8,280.00	6	6.88	2	7.10	03-22-48	1		3	
	06-20-48	4,700.00	6	5.29							
	06-23-48	3,630.00	6	4.79							
	08-09-48	7,760.00	6	6.72							
1949	03-23-49	12,800.00	6	8.30	2	9.29	03-23-49	1		3	
	03-07-49	6,000.00	6	8.47							
	03-27-49	9,350.00	6	7.18							
	04-07-49	4,170.00	6	4.93							
	04-15-50	7,240.00	6	6.74	2	8.20	04-04-50	1		3	
	04-07-50	6,980.00	6	6.66							
1950	05-09-50	3,760.00	6	5.00							
	08-11-50	5,580.00	6	6.04							
	06-20-51	1,930.00	6	3.40						0	
	04-01-52	14,400.00	6	9.50						0	
	06-21-53	8,740.00	6	7.41						0	
	06-10-54	10,500.00	6	8.09						0	
1955	07-09-55	3,090.00	6	4.57						0	
	07-05-56	2,600.00	6	4.22	2	7.34	03-19-56	1		0	
	05-25-57	6,380.00	6	6.55						0	
	06-15-58	5,470.00	6	6.16						0	
	07-16-59	693.00	6	2.48	2	3.35	03-07-59	1		0	
	03-23-60	3,760.00	6	5.66	2	6.78	03-21-60	1		0	
1961	06-30-61	2,090.00	6	4.09						0	
	05-28-62	37,900.00	6	14.31						0	
	06-16-63	6,960.00	6	6.78						0	
	06-08-64	45,100.00	6	15.90						0	
	05-25-65	28,000.00	6	13.15						0	
	03-17-66	3,560.00	6	5.07	2	5.25	03-14-66	1		0	
1967	06-15-67	11,700.00	6	9.39						0	
	06-25-68	1,500.00	6	3.49						0	
	05-05-69	3,440.00	6	5.26	2	8.66	03-20-69	1		0	
	05-15-70	5,960.00	6	6.53	2	6.60	04-25-70			0	
	05-23-71	10,300.00	6	8.04						0	
	06-11-72	9,810.00	6	8.62						0	
1973	04-21-73	5,350.00	6	6.30						0	
	04-15-74	1,420.00	6							0	
	05-08-75	9,220.00	6	8.43						0	

**Table 100. Station 06438000, Belle Fourche River near Elm Springs, South Dakota—Continued**

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1976	06-16-76	31,100.00	6	14.44						0
1977	04-09-77	6,700.00	6	7.17						0
1978	03-20-78	18,300.00	6	11.93						0
1979	06-22-79	998.00	6	2.65	2		4.75	03-15-79	1	0
1980	06-15-80	10,200.00	6	7.98						0
1981	06-14-81	4,900.00	6	6.59						0
1982	05-21-82	40,300.00	6	18.22						0
1983	10-10-82	6,800.00	1,2,6							0
1984	06-11-84	9,660.00	6	9.37						0
1985	03-20-85	5,630.00	6	6.99						0
1986	05-10-86	20,000.00	6	13.58						0
1987	05-27-87	6,200.00	6	7.35						0
1988	07-01-88	1,690.00	6	3.61						0
1989	05-01-89	1,270.00	6	3.06						0
1990	05-25-90	1,220.00	6	2.96	2		3.63	03-01-90	1	0
1991	05-13-91	9,270.00	6	8.75						0
1992	07-12-92	3,120.00	6	4.83						0
1993	05-09-93	21,000.00	6	12.85						0
1994	03-04-94	6,000.00	6	8.45						0

**Table 101. Station 06438500, Cheyenne River near Plainview, South Dakota**

Station locator  
 Latitude Longitude  
 443116 1015934  
 Drainage area: 21,600 mi<sup>2</sup>  
 Contributing drainage area: 21,600 mi<sup>2</sup>  
 Gage datum: 1,877.65 ft. above sea level  
 Base discharge: 5,300 ft<sup>3</sup>/s

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1920	05- -20			17.50						0
1927	05- -27			14.00						0
1951	06-20-51	4,340.00	6	5.82						0
1952	03-30-52	41,400.00	6	10.55	2		10.62	03-29-52	1	0
1953	06-20-53	15,700.00	6	8.97						0
1954	06-10-54	9,710.00	6	7.68						0
1955	09-21-55	21,000.00	6	9.53						0
1956	05-29-56	4,220.00	6	5.48	2		6.92	03-20-56	1	0
1957	05-26-57	41,700.00	6	10.96						0
1958	06-16-58	8,530.00	6	7.81						0
1959	05-06-59	7,280.00	6	7.35						0
1960	03-22-60	6,600.00	6	7.52	2		9.23	03-20-60	1	0
1961	07-27-61	5,670.00	6	6.88						0
1962	05-22-62	38,600.00	6	11.65						0
1963	06-16-63	18,000.00	6	9.77						0
1964	06-08-64	37,400.00	6	11.61						0
1965	05-26-65	37,100.00	6	11.68						0
1966	08-20-66	7,130.00	6	7.91						0
1967	06-16-67	38,100.00	6	11.60						0
1968	06-07-68	7,740.00	6	8.00						0
1969	07-20-69	9,890.00	6	8.34	2		8.61	03-21-69	1	0
1970	04-25-70	15,500.00	6	9.05						0
1971	05-24-71	24,000.00	6	10.21	2		11.05	02-15-71	1	0
1972	06-11-72	14,600.00	6	9.44						0
1973	04-21-73	5,730.00	6	7.51						0
1974	04-12-74	2,440.00	6	5.73	2		7.90	02-20-74	1	0
1975	04-29-75	11,900.00	6	8.41	2		10.09	03-18-75	1	0
1976	06-16-76	25,900.00	6	10.45						0
1977	04-10-77	9,690.00	6	7.97						0
1978	05-23-78	26,200.00	6	10.48						0
1979	06-18-79	10,600.00	6	8.05						0
1980	06-15-80	7,940.00	6	7.65						0
1981	07-16-81	6,390.00	6	7.30						0

Table 102. Station 06439000, Cherry Creek near Plainview, South Dakota

Station locator  
 Latitude Longitude  
 444435 1020311

Drainage area: 1,190 mi<sup>2</sup>  
 Contributing drainage area: 1,190 mi<sup>2</sup>  
 Gage datum: 2,157.91 ft above sea level  
 Base discharge: 1,000 ft<sup>3</sup>/s

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1946	05-26-46	1,180.00		9.05						0
1947	06-25-47	2,540.00					14.25	02-16-47	1	0
1948	06-05-48	1,280.00		9.20						0
1949	03-27-49	2,980.00		12.88						0
1950	04-08-50	2,980.00		12.90						1
	04-17-50	2,760.00		12.45						
1951	09-07-51	996.00		8.29						0
1952	04-01-52	17,500.00		22.63						0
1953	06-16-53	5,960.00		16.91						5
	03-22-53	2,380.00		12.24						
	05-04-53	1,030.00		8.96						
	06-01-53	1,570.00		10.22						
	06-20-53	3,880.00		14.58						
	08-07-53	1,030.00		8.74						
1954	06-12-54	1,800.00		10.89						0
1955	03-11-55	771.00		8.03						0
1956	03-18-56	940.00		9.53	1					0
1957	05-26-57	692.00		7.74						0
1958	06-09-58	900.00		8.39						0
1959	07-03-59	164.00		6.00						0
1960	03-24-60	1,120.00		9.00						0
1961	- -61	0.00								0
1962	05-22-62	6,240.00		16.86						5
	05-05-62	1,510.00		10.11						
	05-29-62	1,800.00		10.71						
	06-02-62	2,030.00		11.16						
	06-18-62	2,920.00		12.66						
	06-28-62	1,400.00		9.86						
1963	06-17-63	1,030.00		9.00						0
1964	06-10-64	8,120.00		18.93						0
1965	05-28-65	1,620.00		10.35						0
1966	03-16-66	2,550.00		13.08	1					0
1967	06-15-67	4,180.00		14.81						2
	05-11-67	1,690.00		10.51						
	06-13-67	2,640.00		12.41						
1968	06-26-68	279.00		6.22						0
1969	03-24-69	1,400.00					10.58	03-23-69	1	0
1970	04-26-70	1,130.00		9.13						0

Table 102. Station 06439000, Cherry Creek near Plainview, South Dakota—Continued

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since (ft)	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1971	05-31-71	4,610.00		15.36						2
	03-14-71	3,480.00		13.79						
	03-31-71	1,890.00		10.76						
1972	02-28-72	1,750.00		11.77	1					2
	03-11-72	1,650.00								
1973	05-14-72	1,260.00		9.39						0
1974	05-30-73	212.00		5.75						0
1975	04-14-74	11.00		4.12						1
	04-29-75	5,300.00		16.27						
	05-10-75	4,080.00		14.82						
1976	06-19-76	420.00		6.83						0
1977	04-12-77	495.00		7.12						0
1978	03-22-78	9,210.00		19.60						1
	05-28-78	1,950.00		11.78						
1979	06-21-79	621.00		7.77						0
1980	06-20-80	94.00		5.16						0
1981	07-01-81	728.00		8.15						0
1982	05-22-82	9,120.00		19.30						2
	04-03-82	1,680.00		10.92						
	06-10-82	1,070.00		9.61						0
1983	10-13-82	1,120.00		9.79						1
1984	06-19-84	3,850.00		14.54						
	06-22-84	1,030.00		9.56						
1985	03-21-85	1,390.00		10.08						0
1986	05-10-86	6,430.00		17.34						4
	03-08-86	1,020.00		9.54						
	04-08-86	1,030.00		9.56						
	04-21-86	1,650.00		11.01						
	04-29-86	2,050.00		11.78						
1987	04-05-87	3,060.00		13.41						1
	03-10-87	1,160.00		11.42	1					
1988	07-04-88	947.00		9.24						0
1989	05-04-89	762.00		8.53						0
1990	03-01-90	450.00	1	7.47						0
1991	08-09-91	762.00		8.63						0
1992	06-17-92	457.00		7.19						0
1993	07-22-93	4,050.00		16.59						0
1994	03-04-94	5,000.00		19.05	1					0

**Table 103. Station 06439050, Cherry Creek tributary near Avance, South Dakota**

Station locator      Drainage area:      0.60 mi<sup>2</sup>  
 Latitude Longitude      Contributing  
 444833 1020318      drainage area:      0.60 mi<sup>2</sup>  
                                  Gage datum:  
                                  Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since (ft)	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1956	03-56	5.00		3.16	1					0
1957	05-25-57	31.00		3.22						0
1958	-58	0.00								0
1959	03-59	2.00		2.68	1					0
1960	03-21-60	16.00		2.80						0
1961	07-27-61	30.00		3.20						0
1962	05-21-62	208.00		6.58						0
1963	04-10-63	32.00		3.27						0
1964	06-08-64	23.00		2.99						0
1965	03-28-65	12.00		2.68						0
1966	04-12-66	50.00		5.13	1					0
1967	06-13-67	275.00		7.57						0
1968	06-25-68	18.00		2.85						0
1969	06-25-69	21.00		2.94						0
1970	08-05-70	20.00		3.19						0
1971	06-18-71	59.00		4.11						0
1972	05-22-72	15.00		3.07						0
1973	03-73	10.00		3.06	1					0
1974	04-12-74	5.00		2.78						0
1975	04-28-75	215.00		7.19						0
1976	04-16-76	12.00		2.98	1					0
1977	08-27-77	60.00		4.12						0
1978	03-78	30.00		8.88	1					0
1979	06-20-79	12.00		2.98						0
1980	08-20-80	160.00		6.27						0

**Table 104. Station 06439060, Cherry Creek tributary No. 2 near Avance, South Dakota**

Station locator                      Drainage area:                      0.11 mi<sup>2</sup>  
 Latitude Longitude                Contributing  
    drainage area:                      0.11 mi<sup>2</sup>  
 444815 1020318                      Gage datum:  
    Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1956	06--56	8.00		2.28						0
1957	05-20-57	8.00		2.27						0
1958	-58	0.00								0
1959	03-09-59	2.00		1.93	1					0
1960	03-21-60	8.00		2.28						0
1961	07-27-61	4.00		1.98						0
1962	05-21-62	119.00		6.98						0
1963	07-15-63	2.00		1.83						0
1964	05-06-64	1.00		1.72						0
1965	03-28-65	6.00		2.17						0
1966	04-12-66	1.00		1.67						0
1967	06-13-67	46.00		4.22						0
1968	06-25-68	5.00		2.09						0
1969	04-29-69	48.00		4.32						0
1970	05-08-70	8.00		2.28						0
1971	05-23-71	45.00		4.18						0
1972	05-22-72	8.00		2.33						0
1973	--73	7.00								0



**Table 105.** Station 06439080, Cherry Creek tributary No. 3 near Avance, South Dakota

Station locator                      Drainage area:                      4.58 mi<sup>2</sup>  
 Latitude Longitude                Contributing                                
    drainage area:                      4.58 mi<sup>2</sup>  
 445103 1020236                      Gage datum:                                
    Base discharge:                             

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1956	03--56	20.00		4.51	1					0
1957	05-25-57	360.00		4.32						0
1958	06--58	1.00		2.30						0
1959	--59	0.00								0
1960	03-21-60	125.00		3.53						0
1961	--61	0.00								0
1962	05-21-62	2,280.00		6.96						0
1963	07-26-63	8.00		2.58						0
1964	06-08-64	145.00		3.63						0
1965	05-24-65	150.00		3.65						0
1966	04-12-66	27.00		2.82						0
1967	06-13-67	850.00		5.31						0
1968	06-25-68	6.00		2.53						0
1969	07-17-69	290.00		4.14						0
1970	06-12-70	92.00		3.36						0
1971	05-23-71	980.00		5.48						0
1972	05-02-72	55.00		3.11						0
1973	05-27-73	78.00		3.29						0
1974	04-12-74	140.00		3.58						0
1975	05-09-75	780.00		5.19						0
1976	06-15-76	26.00		2.84						0
1977	06-22-77	20.00		2.76						0
1978	03--78	25.00		5.47	1					0
1979	06-20-79	10.00		2.58						0
1980	06-04-80	42.00		3.00						0

Table 106. Station 06439100, Beaver Creek near Faith, South Dakota

Station locator                      Drainage area:                      37.1    mi<sup>2</sup>  
 Latitude Longitude                Contributing                      drainage area:                      37.1    mi<sup>2</sup>  
 445621 1020237                      Gage datum:                      Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1956	03- -56	70.00		7.21	1					0
1957	08-21-57	115.00		5.97						0
1958	06-08-58	160.00		6.63						0
1959	03-10-59	35.00		4.67	1					0
1960	03-21-60	170.00		8.15	1					0
1961	03- -61	1.00		2.25	1					0
1962	05-21-62	3,300.00		11.85						0
1963	06-15-63	190.00		7.09						0
1964	06-08-64	210.00		7.19						0
1965	06-02-65	5,000.00		12.70						0
1966	07-21-66	26.00		4.33						0
1967	06-13-67	2,600.00		11.32						0
1968	06-25-68	220.00		7.25						0
1969	07-17-69	1,350.00		10.13						0
1970	04-24-70	175.00		7.89	1					0
1971	05-23-71	845.00		9.31						0
1972	05-02-72	350.00		8.02						0
1973	05-27-73	135.00		6.55						0
1974	04-12-74	50.00								0
1975	05-09-75	400.00		8.22						0
1976	06-15-76	72.00		5.52						0
1977	05-21-77	48.00		4.97						0
1978	06-30-78	102.00		6.03						0
1979	06-20-79	70.00		6.22						0
1980	- -80	4.00								0

**Table 107. Station 06439300, Cheyenne River at Cherry Creek, South Dakota**

<p><u>Station locator</u> Latitude Longitude 443610 1012924</p>	<p>Drainage area: 23,900 mi<sup>2</sup> Contributing drainage area: 23,900 mi<sup>2</sup> Gage datum: 1,702.87 ft above sea level Base discharge: 5,500 ft<sup>3</sup>/s</p>
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Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water Year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1961	07-28-61	3,590.00	6	6.38						0
1962	05-23-62	36,500.00	6	13.63						0
1963	06-17-63	15,900.00	6	9.90						0
1964	06-09-64	29,300.00	6	12.44						0
1965	05-26-65	38,400.00	6	13.93						0
1966	03-16-66	17,700.00	6	9.97	2		13.13	03-12-66	1	0
1967	06-16-67	43,800.00	6	14.75						0
1968	06-08-68	10,000.00	6	7.58						0
1969	07-18-69	12,600.00	6	8.80						0
1970	04-26-70	18,600.00	6	10.40						0
1971	05-24-71	22,600.00	6	10.40	2		11.50	02-15-71	1	0
1972	06-12-72	17,000.00	6	10.16						0
1973	04-22-73	9,560.00	6	7.92						0
1974	04-13-74	3,420.00	6				6.86	03-01-74	1	0
1975	04-29-75	12,600.00	6	8.92						0
1976	06-17-76	25,500.00	6	11.80						0
1977	04-07-77	10,500.00	6	8.29						0
1978	03-21-78	29,800.00	6	12.51						0
1979	07-05-79	9,140.00	6	7.80						0
1980	06-16-80	4,080.00	6	5.61						0
1981	07-27-81	6,360.00	6	6.98						0
1982	05-22-82	55,900.00	6	15.77						0
1983	10-11-82	21,400.00	6	11.05						0
1984	06-17-84	20,900.00	6	10.46						0
1985	03-17-85	7,320.00	6	6.40						0
1986	05-10-86	27,200.00	6	12.37						0
1987	03-22-87	23,400.00	6	11.63						0
1988	05-21-88	4,480.00	6	6.40						0
1989	09-22-89	6,070.00	6	7.11						0
1990	05-26-90	5,030.00	6	6.55						0
1991	06-07-91	21,000.00	6	12.73						0
1992	07-23-92	3,220.00	6	6.46						0
1993	05-09-93	39,200.00	6	14.63						0
1994	06-08-94	18,200.00	6	12.01						0

**Table 108.** Station 06439400, Plum Creek tributary near Milesville, South Dakota

Station locator                      Drainage area:                      0.50 mi<sup>2</sup>  
 Contributing                              drainage area:                      0.50 mi<sup>2</sup>  
 Latitude Longitude                      Gage datum:                      Base discharge:

442134 1012542

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1970	07-13-70	19.00		4.07						0
1971	06-06-71	23.00		4.25						0
1972	05-01-72	35.00		4.75						0
1973	06-02-73	5.00		3.35						0
1974	05-19-74	265.00		12.13						0
1975	04-09-75	10.00		4.92	1					0
1976	- -76	0.00								0
1977	03-12-77	7.00		4.13	1					0
1978	04-18-78	11.00		3.71						0
1979	06- -79	3.00	2							0

**Table 109. Station 06439430, Cottonwood Creek near Cherry Creek, South Dakota**

Station locator Latitude Longitude  
 444028 1012416  
 Drainage area: 120 mi<sup>2</sup>  
 Contributing drainage area: 120 mi<sup>2</sup>  
 Gage datum: 1,810.00 ft above sea level  
 Base discharge: 100 ft<sup>3</sup>/s

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1983	05-13-83	62.00		4.50						0
1984	06-17-84	1,700.00		9.46						3
	06-06-84	427.00		6.46						
	06-11-84	158.00		5.20						
	06-14-84	234.00		5.62						
1985	03-19-85	218.00		5.47	2		5.57	03-17-85	1	0
1986	05-23-86	2,350.00		10.56						9
	02-27-86	150.00		5.62	1					
	03-04-86	410.00		6.14						
	03-09-86	119.00		4.48						
	03-12-86	108.00		4.31						
	03-23-86	110.00		4.36						
	04-05-86	108.00		4.46						
	04-18-86	1,330.00		8.85						
	04-26-86	274.00		5.81						
	05-08-86	1,320.00		8.83						
1987	03-30-87	3,640.00		12.58						2
	07-19-87	316.00		5.95						
	08-13-87	673.00		7.30						
1988	- -88	0.00								0
1989	03-26-89	68.00		4.87						0
1990	06-03-90	39.00		3.81						0
1991	05-17-91	117.00		4.76						0
1992	08-04-92	340.00		6.03						0
1993	05-05-93	756.00		7.56						10
	03-07-93	710.00	2	7.52	1					
	05-07-93	225.00		5.40						
	05-08-93	643.00		7.22						
	05-09-93	398.00		6.30						
	06-08-93	627.00		7.17						
	06-24-93	109.00		4.50						
	07-01-93	158.00		4.94						
	07-19-93	169.00		5.02						
	07-22-93	199.00		5.23						
	07-27-93	312.00		5.89						
1994	06-08-94	847.00		7.81						1
	03-06-94	513.00		6.77						

**Table 110. Station 06439500, Cheyenne River near Eagle Butte, South Dakota**

Station locator  
 Latitude Longitude  
 444144 1011308

Drainage area: 24,500 mi<sup>2</sup>  
 Contributing drainage area: 24,500 mi<sup>2</sup>  
 Gage datum: 1,601.57 ft above sea level  
 Base discharge: 5,500 ft<sup>3</sup>/s

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1920	05-13-20			18.90						0
1927	05-09-27			18.10						0
1929	06-03-29	49,600.00	6	10.12						0
1930	02-24-30	6,260.00	6	5.95						0
1931	07-04-31	8,600.00	6	5.80						0
1932	05-07-32	53,000.00	6	10.90						0
1933	05-24-33	104,000.00	6	15.00						0
1934	07-28-34	3,080.00	6	4.48						0
1935	06-02-35	51,600.00	6	10.80						4
	04-27-35	6,770.00	6	5.65						
	05-21-35	7,530.00	6	5.77						
	05-23-35	6,110.00	6	5.40						
	05-30-35	7,150.00	6	5.67						
1936	03-07-36	10,000.00	6	7.05	1					0
1937	07-13-37	64,400.00	6	11.79						4
	06-13-37	10,900.00	6	6.61						
	06-15-37	7,150.00	6	5.81						
	06-19-37	14,200.00	6	7.14						
	07-18-37	18,200.00	6	7.53						
1938	06-24-38	16,300.00	6	7.28						1
	09-07-38	6,770.00	6	5.55						
1939	05-26-39	14,500.00	6	6.94						2
	05-23-39	10,400.00	6	6.23						
	07-03-39	6,400.00	6	5.28						
1940	04-29-40	5,100.00	6	4.95	2		6.80	03-29-40	1	0
1941	06-11-41	59,000.00	6	12.20						4
	04-16-41	16,200.00	6	7.35						
	06-03-41	14,700.00	6	7.52						
	06-08-41	17,700.00	6	7.99						
	07-15-41	6,480.00	6	5.73						
1942	05-14-42	37,600.00	6	10.35						5
	04-26-42	5,760.00	6	5.38						
	04-29-42	5,760.00	6	5.27						
	05-07-42	16,400.00	6	7.39						
	05-18-42	31,600.00	6	9.80						
	06-06-42	22,400.00	6	8.67						

Table 110. Station 06439500, Cheyenne River near Eagle Butte, South Dakota—Continued

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage- height codes	Highest since	Maximum gage height (ft)	Date	Gage- height codes	Number of partial peaks
1943	06-15-43	30,700.00	6	9.70						3
	02-23-43	7,050.00	6	6.13						
	03-30-43	10,700.00	6	6.75						
	06-11-43	16,400.00	6	7.85						
	06-19-44	28,000.00	6	9.42	2		10.00	04-02-44	1	9
	04-03-44	14,800.00	6	7.60						
1944	04-07-44	24,000.00	6	8.91						
	06-06-44	7,700.00	6	6.34						
	06-10-44	6,260.00	6	6.22						
	06-13-44	21,400.00	6	8.44						
	06-22-44	15,200.00	6	7.81						
	06-24-44	15,200.00	6	7.80						
	07-10-44	6,180.00	6	6.43						
	07-13-44	6,130.00	6	6.42						
	03-16-45	20,200.00	6	8.46	2		8.96	03-14-45	1	3
	03-26-45	15,200.00	6	7.77						
	06-11-45	14,400.00	6	7.31						
	06-15-45	8,520.00	6	6.64						
1946	05-25-46	38,500.00	6	10.47						7
	05-03-46	25,400.00	6	9.11						
	06-02-46	25,400.00	6	9.14						
	06-15-46	8,210.00	6	7.05						
	06-20-46	35,500.00	6	10.16						
	06-24-46	17,800.00	6	8.47						
	06-27-46	11,600.00	6	7.75						
	07-18-46	7,370.00	6	6.84						
	06-23-47	50,000.00	6	12.30						6
	02-17-47	8,500.00	6	8.03	1					
1947	03-20-47	7,000.00	6	6.90	1					
	03-24-47	7,830.00	6	6.93						
	04-06-47	7,140.00	6	6.69						
	06-11-47	6,020.00	6	6.54						
	07-01-47	14,300.00	6	8.26						
	03-21-48	10,400.00	6	7.16	2		9.56	03-19-48	1	3
	03-23-48	6,900.00	6	6.54						
	06-23-48	8,850.00	6	6.71						
	06-28-48	5,600.00	6	6.09						
	03-07-49	31,800.00	6	9.72						1
1949	03-24-49	24,000.00	6	8.85						
	04-08-50	14,500.00	6	7.53						0
	03-28-51	9,400.00	6	7.32	2		9.46	03-27-51	1	0
	04-03-52	38,500.00	6	11.36						0
	03-12-53	23,200.00	6	9.70	1					0
	06-11-54	9,350.00	6	6.83						0

Table 110. Station 06439500, Cheyenne River near Eagle Butte, South Dakota—Continued

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1955	09-22-55	17,600.00	6	8.55						0
1956	03-22-56	6,870.00	6	6.55	2		8.42	03-19-56	1	0
1957	05-26-57	31,500.00	6	11.19						0
1958	06-17-58	7,460.00	6	6.66						0
1959	05-06-59	6,380.00	6	5.85						0
1960	03-22-60	10,200.00	6	7.90	2		11.73	03-21-60	1	0
1961	07-28-61	3,140.00	6	5.10						0
1962	05-23-62	36,300.00	6	12.17						0
1963	06-17-63	16,200.00	6	8.89						0
1964	06-10-64	28,200.00	6	11.33						0
1965	05-26-65	33,900.00	6	12.45						0
1966	03-16-66	17,600.00	6	9.72	2		14.46	03-12-66	1	0
1967	06-17-67	45,500.00	6	13.87						0



**Table 111. Station 06440000, Missouri River at Pierre, South Dakota**

Station locator  
 Latitude Longitude  
 442225 1002220

Drainage area: 243,500 mi<sup>2</sup>  
 Contributing drainage area: 243,500 mi<sup>2</sup>  
 Gage datum: 1,414.26 ft. above sea level  
 Base discharge: ft<sup>3</sup>/s

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water Year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1930	04-07-30	74,600.00								0
1931	06-12-31	46,400.00								0
1932	06-15-32	121,000.00								0
1933	05-28-33	119,000.00								0
1934	06-19-34	50,900.00								0
1935	07-14-35	131,000.00								0
1936	04-17-36	104,000.00								0
1937	06-20-37	120,000.00								0
1938	03-22-38	171,000.00								0
1939	03-31-39	197,000.00								0
1940	06-13-40	60,800.00								0
1941	06-13-41	132,000.00								0
1942	06-11-42	91,900.00								0
1943	04-06-43	281,000.00								0
1944	04-09-44	191,000.00								0
1945	03-20-45	108,000.00								0
1946	06-20-46	83,000.00								0
1947	04-01-47	241,000.00								0
1948	03-24-48	154,000.00								0
1949	04-05-49	187,000.00								0
1950	04-21-50	269,000.00								0
1951	04-08-51	127,000.00								0
1952	04-10-52	440,000.00								0
1953	06-22-53	112,000.00								0
1954	10-29-53	46,600.00	6							0
1955	10-29-54	48,800.00	6							0
1956	03-24-56	73,900.00	6							0
1957	05-27-57	66,400.00	6							0
1958	03-29-58	65,200.00	6							0
1959	03-29-59	34,600.00	6							0
1960	08-09-60	31,800.00	6							0
1961	05-07-61	30,900.00	6							0
1962	05-10-62	30,700.00	6							0
1963	08-08-63	40,500.00	6							0
1964	07-20-64	46,900.00	6							0
1965	08-13-65	44,900.00	6							0

**Table 112. Station 06441000, Bad River near Midland, South Dakota**

Station locator Latitude Longitude  
 440401 1010936  
 Drainage area: 1,460 mi<sup>2</sup>  
 Contributing drainage area: 1,460 mi<sup>2</sup>  
 Gage datum: 1,849.14 ft above sea level  
 Base discharge: 500 ft<sup>3</sup>/s

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water Year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1946	06-20-46	1,020.00								0
1947	06-24-47	1,480.00								0
1948	06-17-48	5,080.00								3
	05-10-48	640.00			3					
	06-21-48	3,660.00			3					
	06-24-48	1,840.00			3					
1949	03-24-49	1,970.00								1
	03-10-49	1,000.00			3					
1950	04-01-50	5,570.00								2
	03-25-50	4,040.00			3					
	05-06-50	3,300.00			3					
1951	06-08-51	1,200.00								2
	03-28-51	542.00			3					
	09-04-51	793.00			3					
1952	04-02-52	11,200.00								6
	02-14-52	550.00			3					
	04-05-52	10,300.00			3					
	04-07-52	7,560.00			3					
	05-24-52	836.00			3					
	06-04-52	1,890.00			3					
	06-28-52	3,840.00			3					
1953	05-03-53	6,340.00								6
	03-14-53	5,380.00			3					
	03-18-53	4,250.00			3					
	03-21-53	5,400.00			3					
	06-15-53	2,380.00			3					
	08-03-53	3,330.00			3					
	08-05-53	1,050.00			3					
1954	05-25-54	1,050.00								0
1955	03-09-55	2,200.00								2
	05-29-55	1,440.00			3					
	09-23-55	1,120.00			3					
1956	03-20-56	2,460.00								2
	03-02-56	570.00			3					
	07-04-56	1,170.00			3					
1957	06-12-57	5,400.00								2
	05-22-57	2,440.00			3					
	05-26-57	4,680.00			3					

Table 112. Station 06441000, Bad River near Midland, South Dakota—Continued

Water Year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1958	06-14-58	1,060.00								3
	04-27-58	603.00			3					
	06-03-58	719.00			3					
1959	06-18-58	643.00			3					
	07-14-59	1,730.00			3					4
	05-07-59	1,030.00			3					
1960	05-28-59	636.00			3					
	05-31-59	684.00			3					
	09-01-59	1,110.00			3					
1961	03-23-60	7,480.00								0
	06-14-61	3,290.00								0
	06-18-62	3,430.00								7
1962	03-26-62	2,550.00			3					
	03-28-62	1,940.00			3					
	05-21-62	512.00			3					
1963	05-24-62	861.00			3					
	06-01-62	861.00			3					
	06-21-62	1,330.00			3					
1964	07-16-62	1,380.00			3					
	06-18-63	2,370.00			3					3
	05-26-63	560.00			3					
1965	05-31-63	1,560.00			3					
	06-08-63	2,090.00			3					
	06-21-64	2,190.00			3					3
1966	05-05-64	1,030.00			3					
	06-11-64	902.00			3					
	06-25-64	1,320.00			3					3
1967	05-17-65	3,230.00			3					
	05-12-65	902.00			3					
	05-28-65	2,380.00			3					
1968	06-04-65	1,720.00			3					
	03-16-66	7,540.00			3					2
	03-29-66	1,150.00			3					
1969	04-24-66	643.00			3					
	06-15-67	29,400.00		24.44						4
	03-24-67	526.00			3					
1968	05-09-67	2,060.00			3					
	06-10-67	1,860.00			3					
	06-28-67	1,360.00			3					
1969	06-10-68	2,000.00								1
	06-27-68	556.00								
	07-21-69	2,310.00								2
1969	03-20-69	1,200.00								
	07-11-69	1,070.00								8.76

**Table 112. Station 06441000, Bad River near Midland, South Dakota—Continued**

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1970	04-25-70	2,680.00		13.14						0
1971	03-15-71	3,120.00		14.00						7
	02-16-71	1,300.00								
	04-22-71	1,540.00		9.96						
	04-29-71	718.00		7.47						
	05-26-71	1,750.00		10.50						
	05-31-71	1,610.00		10.10						
	06-09-71	2,020.00		12.41						
	09-07-71	1,120.00		9.65						
1972	05-13-72	1,130.00		8.71						2
	05-02-72	1,050.00		8.44						
	05-27-72	642.00		7.07						
1973	05-29-73	1,560.00		9.84						1
	04-22-73	911.00		7.88						
1974	04-14-74	598.00		6.89						0
1975	05-01-75	3,140.00		14.23						4
	04-09-75	722.00		8.40						
	04-11-75	1,100.00		9.66						
	05-09-75	767.00		8.29						
	06-21-75	1,410.00		10.02						0
1976	05-26-76	134.00		7.10						2
1977	04-09-77	1,880.00		12.93						
	04-15-77	1,580.00		12.05						
	08-09-77	910.00		9.84						
1978	03-20-78	11,100.00		22.49						2
	04-30-78	702.00		9.53						
	08-29-78	835.00		10.21						
1979	06-25-79	718.00		9.87						0
1980	06-03-80	265.00		8.34						0
1981	08-14-81	544.00		9.39						0
1982	05-21-82	6,120.00		20.31						4
	05-17-82	1,850.00		12.85						
	05-24-82	4,450.00		18.00						
	06-07-82	1,620.00		12.03						
	06-16-82	775.00		9.40						
1983	05-02-83	4,380.00		17.95						2
	10-12-82	982.00		10.62						
	05-15-83	622.00		9.32						
1984	06-21-84	1,160.00		11.04						0
1985	03-19-85	95.00		5.60						0

**Table 112. Station 06441000, Bad River near Midland, South Dakota—Continued**

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1986	04-19-86	5,240.00		18.81						7
	03-04-86	2,160.00		14.30						
	03-24-86	1,560.00		12.07						
	04-08-86	1,510.00		11.90						
	04-29-86	2,970.00		15.56						
	05-11-86	2,500.00		14.45						
	06-10-86	558.00		8.14						
	06-12-86	1,850.00		12.75						
	03-21-87	3,730.00		17.10						
	03-10-87	505.00		7.80						
1987	04-03-87	2,050.00		12.86						2
	07-01-88	588.00		8.44						
	09-24-89	379.00		7.27						
	05-22-90	171.00		5.91						
	06-08-91	3,490.00		15.91						
	05-18-91	1,410.00		10.94						
	05-20-91	506.00		7.58						
	05-31-91	1,400.00		10.90						
	06-02-91	3,280.00		15.49						
	06-06-91	1,430.00		11.00						
1992	07-01-91	641.00		8.20						0
	06-15-92	999.00		9.60						
	03-08-93	1,900.00		13.41	2		15.22	03-07-93	1	
	05-03-93	585.00		7.77						
	05-09-93	1,660.00		11.56						
	06-08-93	887.00		9.74						
	06-18-93	500.00		7.90						
	07-21-93	580.00		8.40						
	03-04-94	4,500.00		21.34						
	02-19-94	1,500.00		15.66						
1994	07-13-94	639.00		8.48						2

**Table 113. Station 06441200, Powell Creek tributary near Fort Pierre, South Dakota**

Station locator Latitude Longitude  
 442239 1003516  
 Drainage area: 0.40 mi<sup>2</sup>  
 Contributing drainage area: 0.40 mi<sup>2</sup>  
 Gage datum: Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1970	08-10-70	211.00		8.07						0
1971	04-21-71	24.00		3.94						0
1972	05-01-72	33.00		4.23						0
1973	03-14-73	25.00		4.99	1					0
1974	04-20-74	76.00		5.39						0
1975	05-22-75	13.00		3.47						0
1976	03-09-76	3.00		4.80	1					0
1977	06-21-77	75.00		5.37						0
1978	04- -78	92.00		5.79						0
1979	06- -79	5.00	2							0

Table 114. Station 06441500, Bad River near Fort Pierre, South Dakota

Station locator Latitude Longitude 441936 1002302  
 Drainage area: 3,107 mi<sup>2</sup>  
 Contributing drainage area: 3,107 mi<sup>2</sup>  
 Gage datum: 1,427.83 ft above sea level  
 Base discharge: 2,000 ft<sup>3</sup>/s

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1905	07- -05	70,000.00	2,7	32.90						0
1915	- -15			29.60						0
1920	06- -20			27.40						0
1927	04- -27	55,000.00	2,7	30.89						0
1929	04-25-29	11,800.00		21.18						0
1930	08-19-30	10,200.00		20.20						0
1931	01-30-31	2,300.00		.840						0
1932	05-07-32	7,350.00		17.24						0
1933	07-26-34	3,100.00		9.98						0
1934	04-26-35	4,480.00		12.60						0
1935	03-11-36	844.00		5.11						0
1936	06-13-37	12,400.00		21.85						0
1937	09-08-38	8,700.00		17.60			9.80	03-20-39	1	0
1938	08-27-39	2,720.00								0
1939	04-01-40	1,070.00		5.83						0
1940	06-11-41	4,100.00		11.22						0
1941	05-01-42	34,200.00		27.80						0
1942	03-23-43	6,930.00		16.04						0
1943	04-01-44	3,930.00		10.75						0
1944	06-13-45	1,240.00					10.72	03-02-45	1	0
1945	07-02-46	4,600.00		12.53						0
1946	06-22-47	2,290.00								0
1947	08-09-48	7,180.00		15.96						0
1948	03-15-48	2,600.00		15.00						0
	03-19-48	2,700.00		10.95	1					0
	05-10-48	2,350.00		9.45	1					0
	06-18-48	5,380.00		13.97						0
	06-21-48	3,830.00		12.00						0
	06-24-48	3,830.00		12.00						0
1949	03-27-49	3,350.00		10.81	2		11.60	03-22-49	1	0
1950	04-02-50	16,700.00		23.40						0
	03-25-50	12,700.00		21.20						3
	05-08-50	8,120.00		16.95						0
	09-21-50	10,800.00		19.80						0
1951	06-08-51	10,500.00		19.50						3
	03-27-51	4,420.00		12.63						0
	06-24-51	2,330.00		9.62						0
	07-03-51	6,680.00		15.60						0

Table 114. Station 06441500, Bad River near Fort Pierre, South Dakota—Continued

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since (ft)	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1952	04-07-52	28,100.00		27.03	2		27.24	04-01-52	1	3
	10-04-51	6,260.00		15.13						
	06-05-52	3,410.00		11.38						
	06-29-52	4,260.00		12.55						
	05-03-53	11,700.00		19.80						5
1953	03-14-53	10,100.00		19.78						
	03-21-53	10,500.00		18.88						
	06-15-53	3,020.00		11.25						
	08-02-53	2,110.00		9.37						
	08-05-53	3,260.00		11.19						
1954	06-11-54	16,600.00		23.35			22.90	03-10-55	1	0
1955	06-01-55	5,120.00		13.68	2					2
	06-04-55	3,240.00		11.16						
1956	06-28-55	2,170.00		9.43						
	03-20-56	3,050.00		10.41	2		12.25	03-17-56	1	1
1957	03-17-56	2,300.00		11.03	1					5
	06-11-57	6,390.00		15.26						
	04-20-57	3,100.00		10.50						
	05-17-57	2,350.00		9.48						
	05-21-57	3,460.00		11.38						
1958	05-23-57	2,350.00		9.47						
	05-27-57	3,930.00		12.07						
	04-05-58	3,050.00		10.41						1
	06-03-58	2,040.00		8.68						
	05-30-59	1,640.00		8.06						0
1960	03-27-60	16,600.00		23.36						2
	06-21-60	7,940.00		17.00						
1961	08-25-60	11,600.00		20.38						
	05-17-61	12,800.00		21.93						1
1962	06-14-61	10,600.00		20.21						
	05-21-62	10,500.00		19.70						5
1963	03-28-62	3,870.00		11.98						
	06-17-62	5,220.00		14.00						
	06-19-62	2,320.00		9.55						
	06-25-62	4,200.00		12.45						
	07-05-62	6,520.00		15.57						
1964	09-04-63	3,800.00		11.88						0
	06-22-64	12,200.00		22.12						2
1965	04-27-64	8,780.00		18.48						
	05-03-64	12,100.00		21.48						
	07-19-65	3,480.00		11.71						4
	05-15-65	3,260.00		11.31						
	05-18-65	2,660.00		10.12						
1965	05-24-65	2,810.00		10.42						
	05-29-65	2,310.00		9.42						



Table 114. Station 06441500, Bad River near Fort Pierre, South Dakota—Continued

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest gage height since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1966	03-18-66	10,700.00		20.51	2		20.92	03-14-66	1	2
	03-31-66	2,340.00		9.47						
1967	06-21-66	6,940.00		16.59						2
	06-18-67	43,800.00		29.55						
1968	05-10-67	2,160.00		9.02						2
	06-10-67	3,270.00		11.02						
1969	06-09-68	6,500.00		16.64						2
	04-22-68	5,780.00		16.11						
1970	06-11-68	2,050.00		9.06						2
	07-17-69	7,140.00		17.11						
1971	03-21-69	3,700.00		12.30						0
	07-15-69	2,200.00		9.02						5
1972	04-27-70	3,800.00		12.30						4
	04-20-71	10,300.00		20.88						
1973	02-17-71	2,500.00								
	02-26-71	2,300.00								
1974	03-16-71	3,760.00		12.18						
	04-28-71	2,260.00		9.35						
1975	06-09-71	4,280.00		13.09						
	05-02-72	9,120.00		19.40						
1976	02-29-72	2,200.00								
	03-07-72	2,300.00								
1977	05-11-72	3,440.00		11.65						
	07-28-72	2,230.00		9.25						0
1978	05-31-73	1,850.00		8.52						0
	04-20-74	2,560.00		10.18						0
1979	04-09-75	3,770.00		12.20						3
	04-13-75	2,410.00		9.94						
1980	04-17-75	2,310.00		9.76						
	05-02-75	2,520.00		10.11						0
1981	02-10-76	1,560.00		8.23						3
	06-22-77	6,740.00		17.94						
1982	03-29-77	3,580.00		12.65						
	04-10-77	2,110.00		9.84						2
1983	09-23-77	3,780.00		12.39						
	03-20-78	19,200.00		25.52						
1984	04-19-78	3,660.00		12.54						
	05-01-78	3,040.00		11.43						0
1985	07-24-79	3,570.00		13.45						0
	07-05-80	2,150.00		9.26						0
1986	10-16-80	1,140.00		7.25						0

Table 114. Station 06441500, Bad River near Fort Pierre, South Dakota—Continued

Water Year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1982	05-14-82	15,600.00		24.05						4
	05-18-82	2,580.00		10.19						
	05-20-82	6,670.00		16.34						
	06-06-82	6,250.00		15.81						
	06-09-82	2,300.00		9.71						
	05-02-83	9,130.00		19.41						
1983	10-10-82	2,800.00		10.58						3
	05-12-83	3,720.00		12.14						
	06-20-83	3,400.00		11.58						
	06-04-84	13,500.00		25.47						
	06-10-84	7,900.00		20.25						
	06-15-84	4,230.00		14.23						
1984	06-20-84	2,000.00		9.64						3
	03-16-85	2,480.00		9.54						
	05-09-86	16,300.00		24.64						
	02-27-86	5,000.00		17.29						
	03-05-86	5,590.00		16.24						
	03-23-86	2,980.00		11.67						
1985	03-25-86	3,930.00		13.48						0
	04-05-86	4,370.00		14.26						
	04-19-86	9,410.00		21.01						
	04-25-86	2,220.00		10.46						
	04-27-86	5,680.00		16.38						
	05-23-86	2,360.00		10.41						
1986	06-10-86	5,300.00		15.79						11
	06-14-86	2,980.00		11.66						
	03-21-87	13,600.00		24.38						
	04-05-87	7,440.00		18.98						
	07-03-88	578.00		6.20						
	03-12-89	1,210.00		8.39						
1987	06-02-90	1,990.00		9.49						1
	05-31-91	8,050.00		19.71						
	05-29-91	3,430.00		12.95						
	06-02-91	5,730.00		16.76						
	06-04-91	7,770.00		19.45						
	06-10-91	2,550.00		11.11						
1988	07-14-92	1,890.00		8.99						0
	07-12-93	6,160.00		17.87						
	06-07-93	2,140.00		9.95						
	03-04-94	11,000.00		22.58						
	02-19-94	5,000.00		18.30						
	03-03-94	6,300.00		24.19						
1989	03-15-85						9.56	03-15-85	1	0
	02-28-88						7.59	02-28-88	1	
	02-28-88				2					
	03-06-93						21.22	03-06-93	1	
	03-03-94						24.19	03-03-94	1	
	03-03-94					1				
1990	02-28-88									0
	02-28-88									
	02-28-88									
	02-28-88									
	02-28-88									
	02-28-88									
1991	02-28-88									0
	02-28-88									
	02-28-88									
	02-28-88									
	02-28-88									
	02-28-88									
1992	02-28-88									0
	02-28-88									
	02-28-88									
	02-28-88									
	02-28-88									
	02-28-88									
1993	02-28-88									0
	02-28-88									
	02-28-88									
	02-28-88									
	02-28-88									
	02-28-88									
1994	02-28-88									0
	02-28-88									
	02-28-88									
	02-28-88									
	02-28-88									
	02-28-88									

**Table 115. Station 06441530, Hilgers Gulch tributary near Pierre, South Dakota**

Station locator                      Drainage area:                      1.33 mi<sup>2</sup>  
 Contributing  
 Latitude Longitude                      drainage area:                      1.33 mi<sup>2</sup>  
 442352 1001857                      Gage datum:  
 Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1968	06-09-68	102.00		5.47						0
1969	07-17-69	42.00		4.40						0
1970	08-07-70	59.00		4.74						0
1971	06-09-71	244.00		7.41						0
1972	07-09-72	87.00		5.21						0
1973	- -73	10.00								0
1974	05-31-74	1.00		3.35						0
1975	09-16-75	145.00		6.09						0
1976	- -76	0.00								0
1977	08-04-77	2.00		3.47						0
1978	08-22-78	31.00		4.16						0
1979	07-23-79	84.00		5.17						0

**Table 116.** Station 06441580, Hilgers Gulch at Pierre, South Dakota

Drainage area: 6.49 mi<sup>2</sup>  
 Contributing drainage area: 6.49 mi<sup>2</sup>  
 Gage datum:  
 Base discharge:

Station locator  
 Latitude Longitude  
 442210 1002030

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1967	06-18-67	1,320.00		13.80						0
1968	06-09-68	1,010.00		12.38						0
1969	07-17-69	455.00		9.23						0
1970	08-07-70	344.00		8.44						0
1971	06-09-71	498.00		9.50						0
1972	07-09-72	42.00		6.40						0
1973	- -73	160.00								0
1974	- -74	5.00								0
1975	09-16-75	596.00		10.11						0
1976	- -76	3.00								0
1977	09-23-77	4.00		5.78						0
1978	04-17-78	75.00		8.94	1					0
1979	07-23-79	25.00	2							0

Table 117. Station 06441650, Mush Creek near Pierre, South Dakota

Station locator  
 Latitude Longitude  
 442013 1001242

Drainage area: 14.2 mi<sup>2</sup>  
 Contributing drainage area: 14.2 mi<sup>2</sup>  
 Gage datum: Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1956	08-10-56	3,620.00		7.49						0
1957	11-02-56	80.00		2.14						0
1958	03- -58	20.00		2.32	1					0
1959	07-14-59	210.00		2.78						0
1960	05-18-60	2,070.00		6.30						0
1961	07-25-61	75.00		1.75						0
1962	06-15-62	1,680.00		5.82						0
1963	06-06-63	686.00		4.20						0
1964	05-02-64	300.00		3.15						0
1965	04-23-65	100.00		2.02						0
1966	07-13-66	1,900.00		6.08						0
1967	06-18-67	500.00		3.77						0
1968	06-07-68	660.00		4.12						0
1969	06-25-69	2,320.00		6.42						0
1970	08-07-70	1,990.00		6.08						0
1971	06-09-71	1,770.00		5.86						0
1972	07-21-72	2,380.00		6.50						0
1973	- -73	32.00								0
1974	- -74	32.00								0
1975	08-28-75	920.00		4.66						0
1976	03-20-76	30.00		4.02	1					0
1977	07-02-77	1,070.00		4.91						0
1978	04-17-78	20.00								0
1979	06- -79	10.00	2							0
1980	08-20-80	15.00								0

**Table 118.** Station 06441670, Missouri River tributary near Pierre, South Dakota

Station locator                      Drainage area:                      0.42 mi<sup>2</sup>  
 Latitude Longitude                      Contributing  
    drainage area:                      0.42 mi<sup>2</sup>  
 442009 1001139                      Gage datum:  
    Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1956	08-10-56	705.00		10.38						0
1957	06-10-57	43.00		2.53						0
1958	03- -58	5.00		2.47	1					0
1959	05-30-59	62.00		2.97						0
1960	05-18-60	559.00		9.24						0
1961	06- -61	43.00		2.54						0
1962	06-15-62	147.00		4.43						0
1963	06-06-63	110.00		3.86						0
1964	05-02-64	24.00		2.10						0
1965	03- -65	10.00		2.15	1					0
1966	07-13-66	160.00		4.62						0
1967	06-18-67	38.00		2.43						0
1968	04-22-68	34.00		2.34						0
1969	06-25-69	65.00		3.02						0
1970	08-07-70	158.00		4.60						0
1971	07-10-71	33.00		2.32						0
1972	07-21-72	210.00		5.33						0
1973	05-27-73	7.00		1.80						0
1974	05-28-74	33.00		2.32						0

**Table 119. Station 06441750, Missouri River tributary near Canning, South Dakota**

Station locator Latitude Longitude  
 441957 1000954  
 Drainage area: Contributing drainage area: 0.20 mi<sup>2</sup>  
 0.20 mi<sup>2</sup>  
 Gage datum: Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1956	08-10-56	172.00		6.40						0
1957	06-10-57	63.00		3.88						0
1958	03--58	1.00		2.45	1					0
1959	07-14-59	87.00		4.52						0
1960	05-18-60	284.00		7.40						0
1961	06--61	66.00		3.97						0
1962	06-15-62	162.00		6.22						0
1963	06-06-63	64.00		3.93						0
1964	07-10-64	88.00		4.59						0
1965	04-23-65	76.00		4.26						0
1966	07-13-66	198.00		6.90						0
1967	07-18-67	135.00		5.66						0
1968	06-07-68	60.00		3.79						0
1969	07-17-69	43.00		3.29						0
1970	08-07-70	120.00		5.32						0
1971	06-09-71	43.00		3.27						0
1972	07-21-72	43.00		3.29						0
1973	05-27-73	8.00		1.91						0
1974	05-28-74	21.00		2.48						0

Table 120. Station 06442000, Medicine Knoll Creek near Blunt, South Dakota

Station locator  
 Latitude Longitude  
 443346 0995450

Drainage area: 317 mi<sup>2</sup>  
 Contributing drainage area: 317 mi<sup>2</sup>  
 Gage datum: 1,611.08 ft above sea level  
 Base discharge: 50.0 ft<sup>3</sup>/s

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1917	- -17			15.00						0
1950	03-30-50	1,300.00					13.20	03-26-50	1	0
1951	08-16-51	52.00		8.55	2		9.00	03-28-51	1	0
1952	04-05-52	1,830.00		12.34						0
1953	08-02-53	458.00		11.04	2		11.89	03-14-53	1	3
	03-17-53	330.00		11.58	1					
	03-22-53	444.00		11.27	1					
	05-02-53	52.00		8.47						
1954	06-13-54	12.00		7.91						0
1955	03-11-55	526.00		12.04	1					0
1956	03-21-56	12.00		9.00	2		9.85	03-19-56	1	0
1957	05-26-57	15.00		8.32						0
1958	03-26-58	100.00		10.15	1					0
1959	06-20-59	4.00		7.72						0
1960	04-01-60	1,540.00		12.05	2		12.30	03-27-60	1	2
	04-05-60	932.00		11.39						
	08-30-60	102.00		9.25						
1961	05-20-61	21.00		8.18						0
1962	08-11-62	184.00		10.22	2		10.70	03-27-62	1	3
	03-27-62	140.00		10.70	1					
	06-18-62	57.00		9.10						
	06-22-62	56.00		9.08						
1963	04-16-63	6.00		7.81						0
1964	05-03-64	37.00		8.28						0
1965	05-25-65	6.00		7.69						0
1966	03-14-66	541.00		11.10	2		11.43	03-13-66	1	0
1967	06-19-67	1,430.00		12.27						2
	03-03-67	90.00								
	03-14-67	55.00								
1968	04-08-68	29.00		8.35						0
1969	06-25-69	1,090.00		11.58						2
	04-05-69	266.00		10.25						
	04-13-69	100.00		9.09						
1970	04-19-70	39.00		8.65						0
1971	02-17-71	75.00		9.60	1					0
1972	03-15-72	216.00		10.46						0
1973	03-06-73	62.00		9.08	1					0



Table 120. Station 06442000, Medicine Knoll Creek near Blunt, South Dakota—Continued

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1974	- -74	0.00								0
1975	04-14-75	10.00								0
1976	02-17-76	3.00	1	7.46			9.21	04-09-75	1	0
1977	- -77	0.00								0
1978	03-20-78	1,620.00		12.37						1
	08-28-78	71.00		9.18						0
1979	07-15-79	32.00		8.81						0
1980	- -80	0.00								0
1981	- -81	0.00								0
1982	03-01-82	20.00		10.92	1					0
1983	06-28-83	111.00	9	9.56						0
1984	06-22-84	235.00		11.24						1
	06-10-84	53.00		9.76						0
1985	- -85	0.70								0
1986	05-09-86	449.00		10.74						2
	04-18-86	107.00		9.39						0
	04-29-86	126.00		9.52						0
1987	03-21-87	204.00		10.45						0
1988	06-17-88	4.00	2							0
1989	03-10-89	68.00		8.96						0
1990	05-25-90	2.00		7.46						0
1991	06-05-91	6,370.00		12.98						0
1992	07-12-92	62.00		8.84						0
1993	03-30-93	661.00		11.05						0
1994	03-05-94	1,240.00		12.29						0

**Table 121. Station 06442050, Missouri River tributary near De Grey, South Dakota**

Station locator                      Drainage area:                      1.73 mi<sup>2</sup>  
 Latitude Longitude                Contributing                      1.73 mi<sup>2</sup>  
    drainage area:  
 441745 0995858                      Gage datum:  
    Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water Year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1956	08-07-56	976.00		6.99						0
1957	06-10-57	750.00		5.96						0
1958	03- -58	10.00		1.50	1					0
1959	09-18-59	71.00		1.85						0
1960	08-24-60	485.00		4.60						0
1961	06- -61	67.00		1.81						0
1962	06-15-62	745.00		5.93						0
1963	06-06-63	660.00		5.52						0
1964	07-10-64	310.00		3.60						0
1965	04-23-65	120.00		2.28						0
1966	07-13-66	240.00		3.12						0
1967	06-18-67	575.00		5.08						0
1968	04-22-68	91.00		2.05						0
1969	07-17-69	86.00		2.00						0
1970	06-15-70	580.00		5.09						0
1971	04-27-71	68.00		1.83						0
1972	07-21-72	118.00		2.28						0
1973	05-27-73	45.00		1.57						0
1974	05-28-74	38.00		1.50						0
1975	04-28-75	170.00		2.70						0
1976	03-20-76	20.00								0
1977	07-02-77	295.00		3.51						0
1978	04-17-78	192.00		2.85						0
1979	06-19-79	385.00		4.04						0
1980	08-20-80	115.00		2.25						0

**Table 122.** Station 06442350, North Fork Medicine Creek near Vivian, South Dakota

Station locator Latitude Longitude  
 435706 1001925  
 Drainage area: 47.0 mi<sup>2</sup>  
 Contributing drainage area: 47.0 mi<sup>2</sup>  
 Gage datum: Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1956	03-24-56	36.00		2.62						0
1957	04-18-57	195.00		3.83						0
1958	04-07-58	56.00		2.92						0
1959	- -59	0.00								0
1960	04-03-60	1,080.00		7.05						0
1961	06-14-61	61.00		3.79						0
1962	06-25-62	665.00		7.78						0
1963	06-06-63	87.00		4.77						0
1964	04-27-64	95.00		4.47						0
1965	- -65	0.00								0
1966	03-14-66	120.00		7.40	1					0
1967	05-30-67	15.00		2.48						0
1968	06-09-68	230.00		5.87						0
1969	05-19-69	118.00		4.91						0
1970	05-28-70	550.00		7.39						0
1971	04-20-71	350.00		7.15						0
1972	05-13-72	60.00		3.83						0
1973	05-27-73	14.00		2.46						0
1974	- -74	5.00								0
1975	04-29-75	42.00		3.41						0
1976	03-20-76	15.00								0
1977	03-29-77	75.00		6.06	1					0
1978	- -78	50.00		7.92	1					0
1979	- -79	5.00	2							0
1980	08-16-80	30.00								0

**Table 123. Station 06442380, Medicine Creek tributary near Vivian, South Dakota**

Station locator                      Drainage area:                      0.30 mi<sup>2</sup>  
 Latitude Longitude                Contributing                              0.30 mi<sup>2</sup>  
    drainage area:  
 440547 1001939                      Gage datum:  
    Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1956	08-10-56	37.00		3.91						0
1957	04-18-57	202.00		7.81						0
1958	04-06-58	50.00		4.32						0
1959	09-01-59	214.00		8.03						0
1960	05-18-60	128.00		6.29						0
1961	06-14-61	18.00		3.20						0
1962	06-15-62	302.00		9.72						0
1963	03- -63	15.00		3.09						0
1964	05-03-64	104.00		5.71						0
1965	04-03-65	15.00		3.50	1					0
1966	03-14-66	25.00		5.42	1					0
1967	03-28-67	20.00		3.70	1					0
1968	04-22-68	23.00		3.35						0
1969	04-01-69	20.00								0
1970	05-28-70	38.00		3.87						0
1971	04-20-71	10.00								0
1972	02- -72	2.00								0
1973	- -73	5.00								0

**Table 124. Station 06442400, Medicine Creek tributary No. 2 near Vivian, South Dakota**

Station locator  
 Latitude Longitude  
 440203 1001928

Drainage area: 9.21 mi<sup>2</sup>  
 Contributing drainage area: 9.21 mi<sup>2</sup>  
 Gage datum: Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1956	03-19-56	50.00								0
1957	04-18-57	340.00								0
1958	04-06-58	120.00								0
1959	09-18-59	35.00								0
1960	03-26-60	475.00								0
1961	06-14-61	60.00								0
1962	03-27-62	180.00								0
1963	06-06-63	72.00								0
1964	05-03-64	185.00								0
1965	04-03-65	12.00								0
1966	03-14-66	95.00								0
1967	06-09-67	47.00								0
1968	06-07-68	180.00								0
1969	04-01-69	115.00								0
1970	04-18-70	75.00								0
1971	04-20-71	390.00		6.71						0
1972	05-13-72	136.00		4.66						0
1973	05-27-73	65.00		3.74						0
1974	05-28-74	65.00		3.74						0
1975	04-29-75	55.00		3.60						0
1976	- -76	3.00								0
1977	03-29-77	35.00		5.74	1					0
1978	- -78	40.00		5.57	1					0
1979	07-23-79	35.00		3.32						0
1980	08- -80	0.00								0

**Table 125. Station 06442500, Medicine Creek at Kennebec, South Dakota**

Station locator Latitude Longitude  
 435417 0995235  
 Drainage area: 464 mi<sup>2</sup>  
 Contributing drainage area: 464 mi<sup>2</sup>  
 Gage datum: 1,659.64 ft. above sea level  
 Base discharge: 100 ft<sup>3</sup>/s

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water Year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1952	04--52			17.00						0
1955	03-10-55	1,840.00		13.54						2
	04-01-55	117.00		3.34						
	06-04-55	682.00		8.66						
1956	03-22-56	271.00		5.65						3
	03-26-56	210.00		4.59						
	04-02-56	229.00		4.84						
	04-06-56	107.00		3.24						
1957	04-21-57	1,420.00		12.36						7
	04-19-57	150.00		6.42	1					
	05-23-57	260.00		5.36						
	06-09-57	251.00		5.17						
	06-12-57	694.00		9.73						
	06-14-57	233.00		4.95						
	06-18-57	910.00		10.02						
	08-31-57	315.00		5.91						2
1958	04-08-58	889.00		9.86						
	03-28-58	490.00		7.34						
	05-17-58	152.00		3.93						0
1959	--59	0.00								3
1960	03-28-60	8,970.00		16.71						
	04-05-60	2,620.00		14.28						
	05-19-60	3,780.00		15.21						
	05-26-60	253.00		5.20						
1961	06-16-61	191.00		4.40						1
	05-18-61	144.00		3.79						
1962	05-30-62	2,590.00		14.25						9
	03-31-62	700.00		10.38	1					
	05-17-62	1,760.00		13.04						
	05-23-62	869.00		9.74						
	06-18-62	1,020.00		10.73						
	06-23-62	457.00		6.77						
	06-27-62	989.00		10.49						
	07-02-62	1,040.00		10.82						
	07-07-62	146.00		3.76						
	07-15-62	1,030.00		10.97						
1963	06-09-63	172.00		4.23						0
1964	04-28-64	1,480.00		12.44						1
	05-04-64	701.00		8.60						

Table 125. Station 06442500, Medicine Creek at Kennebec, South Dakota—Continued

Water Year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1965	05-21-65	365.00		6.06						2
	05-09-65	121.00		3.24						
	06-29-65	249.00		4.94						
1966	03-14-66	723.00		8.95	2		9.07	03-17-66		0
	06-16-67	169.00		4.07	2		4.16	03-03-67		
1967	03-03-67	159.00		4.16						2
	06-19-67	103.00		3.12						
	06-10-68	3,980.00		14.62						
1968	04-23-68	1,130.00		9.77						4
	05-14-68	240.00		4.42						
	06-21-68	290.00		4.83						
1969	06-30-68	105.00		3.10						2
	04-03-69	728.00		7.69						
	03-25-69	510.00		6.32						
1970	07-18-69	173.00		3.74						3
	04-19-70	362.00		5.15						
	04-21-70	136.00		3.17						
1971	05-30-70	260.00		4.39						1
	06-16-70	124.00		3.01						
	04-23-71	425.00		5.65						
1972	04-29-71	195.00		3.79						2
	05-15-72	626.00		6.97						
	02-21-72	130.00		3.12						
1973	05-03-72	479.00		6.02						1
	02-24-73	277.00		4.29	2		4.42	- -73	1	
	03-16-73	140.00		2.97						
1974	04-22-74	26.00		1.89						0
	04-18-75	278.00		4.39						
	04-12-75	178.00		3.46						
1975	04-15-75	225.00		3.93						3
	05-01-75	145.00		3.13						
	07-25-76	16.00		1.79						
1976	03-30-77	2,390.00		12.81						0
	03-18-77	300.00								
	03-26-77	621.00		6.94						
1977	06-14-77	187.00		3.71						8
	06-24-77	119.00		2.97						
	06-26-77	148.00		3.29						
1978	07-03-77	349.00		5.11						1
	07-21-77	181.00		3.66						
	07-25-77	184.00		3.69						
1979	03-20-78	3,100.00		14.24						2
	05-28-78	450.00		5.78						
	08-10-79	393.00		5.44						
1979	08-28-79	312.00		4.84						2
	09-09-79	219.00		4.06						

Table 125. Station 06442500, Medicine Creek at Kennebec, South Dakota—Continued

Water Year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since (ft)	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1980	08-12-80	5.30		1.45						0
1981	03-31-81	0.63		1.18						0
1982	05-14-82	4,180.00		14.80						5
	03-13-82	200.00								
	04-01-82	246.00		3.82						
	05-22-82	3,080.00		13.71						
	05-30-82	283.00		5.70						
	08-24-82	576.00		7.58						
1983	05-02-83	2,630.00		14.07						4
	10-09-82	1,210.00		10.16						
	03-06-83	180.00	9							
	04-02-83	712.00		8.26						
	05-13-83	1,390.00		10.74						
1984	06-17-84	1,890.00		11.93						2
	04-15-84	415.00		6.66						
	06-21-84	346.00		6.17						
1985	03-18-85	3,440.00		13.90						1
	07-18-85	151.00		4.27						
1986	05-09-86	11,400.00		17.26						8
	03-05-86	900.00		10.61	1					
	03-14-86	180.00		4.41						
	03-24-86	490.00		6.54						
	03-26-86	452.00		6.32						
	04-06-86	364.00		5.76						
	04-19-86	3,230.00		13.88						
	04-28-86	1,460.00		10.91						
1987	05-25-86	530.00		6.76						1
	03-22-87	2,390.00		13.00						
	04-05-87	1,520.00		11.30						
1988	05-26-88	427.00		6.36						0
1989	03-29-89	26.00		2.39						0
1990	06-17-90	506.00		6.63						1
	05-27-90	367.00		5.80						
1991	06-04-91	16,100.00		19.11						0
1992	08-06-92	881.00		8.89						0
1993	03-24-93	1,150.00		9.78						0
1994	03-04-94	2,740.00		13.30						0



**Table 126.** Station 06442850, Elm Creek tributary near Ree Heights, South Dakota

Station locator  
 Latitude Longitude  
 442505 0991217  
 Drainage area: 0.70 mi<sup>2</sup>  
 Contributing drainage area: 0.70 mi<sup>2</sup>  
 Gage datum:  
 Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1969	04-03-69	65.00		4.82						0
1970	04-25-70	1.00		2.19						0
1971	03-14-71	5.00		4.06	1					0
1972	03-20-72	20.00		4.80	1					0
1973	03-14-73	25.00		5.63	1					0
1974	- -74	5.00								0
1975	06-20-75	6.00		2.68						0
1976	03-20-76	3.00		3.79	1					0
1977	09-23-77	9.00		2.92						0
1978	- -78	15.00		8.49	1					0
1979	04- -79	5.00	2	5.09						0

**Table 127. Station 06442950, Crow Creek near Gann Valley, South Dakota**

Station locator  
 Latitude Longitude  
 435929 0991307

Drainage area: 670 mi<sup>2</sup>  
 Contributing drainage area: 670 mi<sup>2</sup>  
 Gage datum: 1,434.73 ft above sea level  
 Base discharge: 150 ft<sup>3</sup>/s

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water Year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1972	03-13-72	2,080.00		13.17						4
	05-02-72	1,470.00		11.22						
	05-15-72	1,890.00		12.62						
	05-24-72	170.00		4.81						
	07-31-72	155.00		4.67						
1973	03-03-73	1,840.00		12.60						3
	02-24-73	650.00								
	03-14-73	258.00		5.54						
	05-06-73	164.00		4.76						
1974	02-20-74	700.00		8.96	1					1
	05-21-74	198.00		5.01						
1975	06-21-75	296.00		5.75						1
	04-19-75	250.00								
1976	- -76	0.00								0
1977	03-12-77	794.00		8.24						2
	03-29-77	316.00		5.64						
	04-20-77	247.00		5.11						
	03-22-78	3,900.00		14.60						
1978	04-19-78	354.00		6.06						4
	04-23-78	221.00		5.17						
	04-26-78	175.00		4.84						
	07-01-78	183.00		4.90						
	04-13-79	314.00		5.81						
	07-13-79	169.00		4.63						
	06-27-80	1,720.00		11.80						
	04-01-81	253.00		5.40						
1982	05-21-82	666.00		7.78						5
	02-21-82	185.00		4.83						
	03-31-82	322.00		5.86						
	05-16-82	319.00		5.84						
	05-30-82	338.00		5.96						
1983	06-15-82	160.00		4.62						5
	10-09-82	898.00		8.94						
	03-06-83	159.00		4.64						
	05-12-83	525.00		7.07						
	05-14-83	158.00		4.70						
	06-15-83	508.00		6.98						
	06-22-83	635.00		7.63						

Table 127. Station 06442950, Crow Creek near Gann Valley, South Dakota—Continued

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1984	06-24-84	1,170.00		9.58						6
	02-23-84	180.00								
	03-15-84	406.00		5.79						
	03-23-84	1,020.00		8.95						
	04-08-84	366.00		5.55						
	04-12-84	394.00		5.72						
	06-10-84	225.00		4.68						

**Table 128. Station 06443000, Missouri River at Chamberlain, South Dakota**

Drainage area: 250,800 mi<sup>2</sup>  
 Contributing drainage area: 250,800 mi<sup>2</sup>  
 Gage datum: 1,320.11 ft above sea level  
 Base discharge:

Station locator  
 Latitude Longitude  
 434840 0992010

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1929	06-04-29	151,000.00					13.26	03-30-29	1	0
1943	04-07-43			19.30						0
1945	03-21-45	107,800.00		11.45						0
1946	06-21-46	81,000.00		10.35						0
1947	04-02-47	213,000.00		16.22						0
1948	03-25-48	122,000.00		11.82						0
1949	04-06-49	177,000.00		15.02						0
1950	04-22-50	250,000.00		18.80						0
1951	04-08-51	113,000.00		11.52						0
1952	04-11-52	440,000.00		25.55						0
1953	06-23-53	112,000.00	6	13.97	2		14.84	06-18-53	1	0
1954	10-30-53	47,500.00	6	8.66	2		13.83	09-30-54	1	0

**Table 129. Station 06445700, White River at Slim Butte, South Dakota**

Station locator  
 Latitude Longitude  
 430523 1024752

Drainage area: 1,500 mi<sup>2</sup>  
 Contributing drainage area: 1,500 mi<sup>2</sup>  
 Gage datum: 3,000.00 ft above sea level  
 Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1962	06-13-62	14,400.00		20.54						0
1963	06-15-63	1,010.00		11.74						0
1964	06-22-64	182.00		6.85						0
1965	07-28-65	435.00		8.02						0
1966	03-10-66	1,700.00		15.92	1					0
1967	06-16-67	9,240.00		19.92						0
1968	08-09-68	1,530.00		14.18						0
1969	07-22-69	1,570.00		14.31						0
1970	04-25-70	558.00		9.17						0
1971	05-25-71	900.00								0
1972	- -72	900.00								0
1973	03-25-73	250.00		7.00						0
1991	05-13-91	1,750.00		16.61						0
1992	06-27-92	337.00		8.25						0
1993	06-09-93	926.00		13.88	2		14.38	03-12-93	1	2
	03-23-93	551.00		10.62						
	04-16-93	451.00		9.51						
1994	05-19-94	644.00		11.60	2		13.79	02-19-94	1	1
	02-19-94	450.00	2	13.79	1					

Table 130. Station 06445980, White Clay Creek near Oglala, South Dakota

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
Station locator Latitude Longitude Drainage area: 340 mi <sup>2</sup> Contributing drainage area: 340 mi <sup>2</sup> Gage datum: 3,001.54 ft above sea level Base discharge: 150 ft <sup>3</sup> /s Note: Blanks indicate no information, except for discharge-code and gage-height-code columns										
1966	03-12-66	618.00		14.36	2		15.02	03-11-66	1	0
1967	06-16-67	659.00		14.74						4
	05-26-67	318.00		11.09						
	06-09-67	214.00		9.80						
	06-12-67	394.00		11.93						
	06-21-67	449.00		13.05						
1968	06-08-68	474.00		12.84						2
	06-10-68	262.00		10.68						
	07-17-68	298.00		10.85						
1969	07-16-69	587.00		14.05						3
	03-19-69	215.00		11.66	1					
	07-17-69	256.00		10.48						
	07-19-69	208.00		10.01						
1970	03-26-70	33.00		6.11	2		8.75	01-27-70	1	0
1971	02-14-71	200.00					11.46	02-14-71	1	0
1972	05-27-72	181.00		9.34						0
1973	03-16-73	75.00					8.36	02-23-73	1	0
1974	07-19-74	30.00					7.60	02-11-74	1	0
1975	08-02-75	392.00		11.87						1
	06-21-75	216.00		9.83						0
1976	06-19-76	136.00		8.70						0
1977	06-19-77	130.00		8.68						0
1978	06-24-78	370.00		11.92						2
	03-20-78	285.00		11.91						
	07-21-78	166.00		9.26						
1979	07-24-79	70.00		7.92			11.90	02-22-80	1	0
1980	06-16-80	186.00		10.80	2					0
1981	08-05-81	126.00		10.14						0
1988	07-18-88	169.00		10.72						0
1989	03-22-89	70.00	2							0
1990	03-10-90	20.00	2							0
1991	06-05-91	540.00		13.83			7.91	12-15-89	1	0
1992	04-01-92	23.00		6.98	2		8.88	01-26-92	1	0
1993	06-09-93	52.00		8.06						0
1994	03-04-94	250.00		11.50	1					0

**Table 131. Station 06446000, White River near Oglala, South Dakota**

Station locator  
 Latitude Longitude  
 431517 1024929

Drainage area: 2,200 mi<sup>2</sup>  
 Contributing drainage area: 2,200 mi<sup>2</sup>  
 Gage datum: 2,853.54 ft above sea level  
 Base discharge: 800 ft<sup>3</sup>/s

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1944	06-14-44	1,370.00		17.12						0
1945	03-26-45	968.00		13.68						0
1946	05-03-46	1,040.00		14.32						0
1947	06-21-47	5,200.00		23.50						2
	06-30-47	2,010.00		19.35						
	07-10-47	1,880.00		19.05						
1948	08-09-48	832.00		13.16	2		13.91	03-20-48	1	0
1949	03-04-49	2,670.00		20.60	2		20.63	03-05-49		0
1950	05-10-50	455.00		10.50						0
1951	07-30-51	733.00		12.63						0
1952	03-31-52	513.00		10.42	2		11.70	03-13-52	1	0
1953	03-14-53	830.00		13.99	2		14.42	03-13-53	1	0
1954	05-26-54	672.00		12.05						0
1955	09-21-55	2,110.00		19.19						1
	06-17-55	807.00		13.46						
1956	05-30-56	510.00		10.64	2		17.04	02-24-56	1	0
1957	06-12-57	2,330.00		20.14						2
	05-20-57	1,830.00		18.96						
	05-26-57	2,040.00		19.54						
1958	07-13-58	750.00		12.98						0
1959	09-28-59	249.00		7.88	2		8.20	03-23-59	1	0
1960	03-23-60	1,210.00		16.42	2		17.81	03-20-60	1	0
1961	07-22-61	355.00		9.08						0
1962	06-14-62	2,720.00		21.73						2
	06-17-62	2,450.00		21.12						
	06-28-62	1,130.00		15.57						
1963	06-16-63	1,560.00		17.97						0
1964	06-18-64	443.00		9.63						0
1965	05-15-65	924.00		14.13						0
1966	03-12-66	1,830.00		19.06	1					0
1967	06-16-67	3,270.00		23.61						3
	06-09-67	1,120.00		16.36						
	06-13-67	1,950.00		20.25						
	06-24-67	1,200.00		16.88						
1968	06-09-68	997.00		15.49						0
1969	07-17-69	1,760.00		19.38						2
	07-22-69	1,370.00		17.36						
	07-24-69	1,260.00		16.69						

Table 131. Station 06446000, White River near Oglala, South Dakota—Continued

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1970	04-25-70	809.00		13.82						0
1971	05-25-71	1,300.00		16.88						1
	05-31-71	1,050.00		15.25						
1972	05-12-72	278.00		8.82						0
1973	04-23-73	367.00		9.78						0
1974	04-14-74	481.00		11.02						0
1975	06-22-75	776.00		13.64						0
1976	05-27-76	405.00		10.43	2		12.14	09-12-76	1	0
1977	04-14-77	630.00		11.91	2		12.51	10-24-76	1	0
1978	03-14-78	1,520.00		18.16						1
	08-29-78	839.00		14.11						
1979	08-21-79	789.00		13.79						0
1980	06-16-80	671.00		12.74						0
1981	07-22-81	319.00		9.07						0
1982	05-15-82	1,330.00		17.28						3
	05-17-82	1,310.00		17.19						
	05-21-82	1,050.00		15.59						
	06-15-82	1,020.00		15.08						
1983	05-19-83	938.00		14.42						0
1984	05-03-84	515.00		11.44						0
1985	03-23-85	120.00		6.85	2		7.54	03-18-85	1	0
1986	06-10-86	2,860.00		20.78						1
	04-27-86	1,400.00		17.19						
1987	04-06-87	1,330.00		16.91						0
1988	05-22-88	950.00		14.51						0
1989	03-14-89	243.00		8.64						0
1990	07-26-90	121.00		6.15						0
1991	06-07-91	1,530.00		17.65						3
	05-15-91	1,120.00		15.70						
	05-21-91	1,050.00		15.22						
	06-02-91	1,350.00		17.00						
1992	06-28-92	552.00		11.36						0
1993	06-08-93	2,190.00		19.48						0
1994	02-19-94	1,450.00	2	17.40	1					0



**Table 132. Station 06446250, Porcupine Creek tributary near Rockyford, South Dakota**

Station Locator      Drainage area:      1.65 mi<sup>2</sup>  
 Contributing  
 Latitude Longitude      drainage area:      1.65 mi<sup>2</sup>  
 432605 1022545      Gage datum:  
 Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1968	06- -68	500.00	7	10.70						0
1970	06-12-70	41.00		3.03						0
1971	09-05-71	58.00		3.37						0
1972	07-24-72	288.00		7.34						0
1973	03-14-73	217.00		6.15						0
1974	07-18-74	484.00		10.40						0
1975	06-16-75	268.00		7.00						0
1976	07-21-76	363.00		8.59						0
1977	08-09-77	353.00		8.42						0
1978	08-27-78	338.00		8.16						0
1979	07-04-79	346.00		8.30						0

**Table 133. Station 06446400, Cain Creek tributary at Imlay, South Dakota**

Station locator      Drainage area:      15.8      mi<sup>2</sup>  
 Contributing  
 Latitude Longitude      drainage area:      15.8      mi<sup>2</sup>  
 434259 1022323      Gage datum:  
 Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1956	08-08-56	320.00		4.90						0
1957	05-19-57	1,440.00		7.98						0
1958	07-04-58	1,030.00		7.03						0
1959	05-04-59	840.00		6.50						0
1960	08- -60	730.00		6.20						0
1961	08- -61	220.00		4.44						0
1962	06-15-62	3,300.00		11.57						0
1963	05-31-63	1,280.00		7.64						0
1964	06-17-64	2,110.00		9.34						0
1965	05-15-65	1,710.00		8.55						0
1966	08-20-66	1,750.00		8.61						0
1967	06-12-67	550.00		5.65						0
1968	06-07-68	1,300.00		7.71						0
1969	07-20-69	630.00		5.93						0
1970	06-12-70	185.00		4.23						0
1971	05-23-71	350.00		4.95						0
1972	06-19-72	205.00		4.25						0
1973	05-27-73	275.00		4.61						0
1974	07-22-74	335.00		4.89						0
1975	06-18-75	710.00		6.13						0
1976	05-23-76	540.00		5.62						0
1977	04-12-77	275.00		4.61						0
1978	05-07-78	570.00		5.70						0
1979	07-04-79	1,120.00		7.24						0
1980	06-15-80	670.00		6.03						0

Table 134. Station 06446430, White River tributary near Conata, South Dakota

Station Locator                      Drainage area:                      0.17 mi<sup>2</sup>  
 Latitude Longitude                  Contributing  
    drainage area:                      0.17 mi<sup>2</sup>  
 435048 1021233                      Gage datum:  
    Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1956	07-06-56	79.00		5.28						0
1957	05-20-57	103.00		5.75						0
1958	07-04-58	196.00		7.41						0
1960	08- -60	73.00		4.90						0
1961	05-14-61	40.00		3.95						0
1962	06-15-62	182.00		7.18						0
1963	06-15-63	52.00		4.35						0
1964	06-17-64	329.00		10.27						0
1965	05-24-65	128.00		6.16						0
1966	08-20-66	240.00		8.00						0
1967	09-19-67	290.00		9.24						0
1968	06-07-68	310.00		9.55						0
1969	07-20-69	73.00		4.91						0
1970	06-12-70	73.00		4.91						0
1971	05-23-71	102.00		5.58						0
1972	08-12-72	70.00		4.83						0
1973	05-27-73	67.00		4.76						0

**Table 135. Station 06446550, White River tributary near Interior, South Dakota**

Station locator  
 Latitude Longitude  
 434451 1015650  
 Drainage area: 0.32 mi<sup>2</sup>  
 Contributing drainage area: 0.32 mi<sup>2</sup>  
 Gage datum:  
 Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1956	06- -56	490.00		8.17						0
1957	05-20-57	265.00		6.21						0
1958	07-04-58	185.00		5.50						0
1959	06-26-59	380.00		7.22						0
1960	08- -60	57.00		4.30						0
1961	08- -61	105.00		4.76						0
1962	07-27-62	338.00		6.86						0
1963	06-15-63	125.00		4.95						0
1964	06-08-64	558.00		8.76						0
1965	05-15-65	155.00		5.22						0
1966	07-28-66	160.00		5.27						0
1967	06-15-67	170.00		5.32						0
1968	06-07-68	260.00		6.14						0
1969	07-20-69	213.00		5.72						0
1970	06-12-70	43.00		4.15						0
1971	05-23-71	27.00		3.94						0
1972	08-02-72	112.00		4.81						0
1973	09-02-73	183.00		5.45						0
1974	08-10-74	150.00		5.15						0
1975	07-31-75	250.00		6.05						0
1976	07-27-76	250.00		6.05						0
1977	05-26-77	82.00		4.65						0
1978	07-22-78	450.00		7.82						0
1979	06-17-79	570.00		8.80						0
1980	07-12-80	575.00		8.83						0

**Table 136. Station 06447000, White River near Kadoka, South Dakota**

Station locator Latitude Longitude  
 434509 1013128  
 Drainage area: 5,000 mi<sup>2</sup>  
 Contributing drainage area: 5,000 mi<sup>2</sup>  
 Gage datum: 2,122.18 ft above sea level  
 Base discharge: 3,600 ft<sup>3</sup>/s  
 Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height since	Highest gage height (ft)	Date	Gage height codes	Number of partial peaks
1942	06-04-42	32,000.00							0
1943	05-30-43	8,080.00							0
1944	06-12-44	13,100.00							0
1945	08-05-45	3,700.00							0
1946	06-19-46	7,940.00							0
1947	06-23-47	16,500.00							0
1948	06-23-48	8,690.00							3
	02-19-48	4,500.00							3
	06-17-48	5,000.00							3
	06-26-48	5,960.00							3
1949	03-07-49	6,840.00							3
	08-18-49	4,250.00							3
1950	05-09-50	5,630.00							3
	03-23-50	3,800.00							3
1951	06-07-51	21,700.00							3
	03-23-51	4,850.00							3
	06-02-51	4,280.00							3
	06-20-51	7,150.00							3
	06-24-51	5,280.00							3
	09-02-51	5,280.00							3
1952	05-23-52	13,500.00							3
	03-29-52	11,800.00							3
	06-28-52	11,400.00							3
1953	08-02-53	19,300.00							3
	02-06-53	9,600.00							3
	03-10-53	10,800.00							3
	03-12-53	6,790.00							3
	05-02-53	10,800.00							3
	07-28-53	18,800.00							3
1954	05-23-54	7,710.00							3
1955	09-21-55	14,400.00							3
	03-11-55	5,150.00							1
	05-27-55	4,770.00							1
1956	02-27-56	3,000.00							1
1957	05-21-57	14,500.00							1
	02-27-57	3,600.00							8.20
	05-17-57	5,530.00							9.68
	05-26-57	13,300.00							12.46
	06-10-57	11,300.00							12.19
							13.28		
							9.54		
							8.80		
							12.81		
							13.47		

Table 136. Station 06447000, White River near Kadoka, South Dakota—Continued

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since (ft)	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1958	07-20-58	4,910.00		8.94						3
	04-26-58	3,690.00		8.13						
	07-04-58	3,960.00		8.23						
	07-31-58	3,800.00		8.25						
1959	05-05-59	12,000.00		12.23						1
	06-30-59	4,190.00		8.35						
1960	03-19-60	9,520.00		11.11	2		13.94	03-19-60	1	1
	05-25-60	4,620.00		8.71						
1961	07-27-61	6,280.00		9.67						1
	06-14-61	3,660.00		8.11						
1962	06-18-62	19,600.00		14.95						8
	03-21-62	9,650.00		11.88						
	05-22-62	8,920.00		11.45						
	05-30-62	5,470.00		9.28						
1963	06-13-62	5,410.00		9.24						2
	06-16-62	12,400.00		13.12						
	06-21-62	5,700.00		9.43						
	06-25-62	4,660.00		8.74						
	07-13-62	6,930.00		10.24						
	06-16-63	10,900.00		12.57						
	10-07-62	3,730.00		8.13						
	05-31-63	4,150.00		8.54						
	06-19-64	15,500.00		14.89						
	06-09-64	10,300.00		11.27						
1964	06-17-64	9,650.00		12.13						3
	06-23-64	6,320.00		9.99						
	05-15-65	18,000.00		14.62						
	05-09-65	5,600.00		9.04						
1965	05-25-65	12,400.00		13.07						4
	06-02-65	5,160.00		9.04						
	07-21-65	3,850.00		8.19						
	03-11-66	8,270.00		11.33	2		14.07	03-10-66	1	
	07-24-66	7,650.00		10.69						
	08-20-66	5,350.00		9.20						
1966	08-31-66	6,680.00		10.07						3
	06-15-67	18,800.00		15.30						
	06-12-67	12,200.00		12.60						
	06-18-67	13,700.00		13.14						
1967	06-24-67	5,160.00		9.07						2
	06-08-68	13,500.00		13.15						
	04-23-68	3,610.00		8.04						
	05-26-68	5,400.00		9.22						
1968	07-24-69	6,340.00		9.74						2
	07-17-69	5,290.00		9.15						
1969	07-20-69	5,440.00		9.24						2
	03-18-69	9.74		9.84	2		9.84	03-18-69	1	

Table 136. Station 06447000, White River near Kadoka, South Dakota—Continued

Water Year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1970	04-25-70	7,190.00		10.25						0
	05-24-71	10,200.00		11.67						3
1971	02-16-71	4,700.00								
	04-20-71	8,630.00		10.89						
1972	04-27-71	5,460.00		9.25						
	07-25-72	5,180.00		9.10						2
1973	04-30-72	3,670.00		7.98						
	05-11-72	4,810.00		8.72						
1974	05-27-73	10,600.00		11.84						2
	03-14-73	3,910.00		8.24						
1975	04-20-73	4,080.00		8.31						
	04-20-74	8,050.00		10.62						1
1976	04-12-74	7,090.00		10.12						
	04-29-75	7,150.00		10.02	2	03-17-75	10.17	03-17-75	1	2
1977	04-08-75	5,100.00		9.03						
	06-19-75	5,390.00		9.24						
1978	05-24-76	5,150.00		9.06	2	02-11-76	10.85	02-11-76	1	0
	04-12-77	8,050.00		10.89						3
1979	04-07-77	6,180.00		9.95						
	07-20-77	4,980.00		9.11						
1980	08-10-77	4,740.00		8.95						2
	03-11-78	12,000.00		14.50	1					
1981	03-18-78	3,970.00		8.78						
	07-22-78	6,560.00		10.28						3
1982	08-09-79	8,070.00		11.06						
	06-18-79	7,660.00		10.88						
1983	06-20-79	5,120.00		9.58						
	07-05-79	8,000.00		11.03						
1984	08-16-80	3,540.00		8.45	2	02-27-80	9.64	02-27-80	1	0
	07-24-81	6,580.00		10.29						3
1985	10-17-80	5,290.00		9.60						
	08-01-81	5,520.00		9.73						
1986	08-05-81	4,880.00		9.36						
	05-20-82	21,300.00		16.18						6
1987	02-18-82	4,300.00								
	05-15-82	15,600.00		14.03						
1988	05-24-82	11,900.00		12.53						
	06-06-82	7,780.00		10.85						
1989	06-14-82	8,240.00		11.05						
	07-26-82	8,030.00		10.96						
1990	05-08-83	13,100.00		13.01						5
	10-10-82	8,740.00		11.26						
1991	05-01-83	13,000.00		12.99						
	05-12-83	5,910.00		9.94						
1992	06-20-83	3,880.00		8.72						
	06-26-83	4,330.00		9.02						

Table 136. Station 06447000, White River near Kadoka, South Dakota—Continued

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1984	08-21-84	4,470.00		9.13						1
	06-12-84	3,760.00		8.52						0
1985	03-09-85	2,500.00		14.20	1					5
	06-10-86	15,700.00		13.01	1					
1986	02-26-86	4,000.00		8.97						
	04-06-86	4,280.00		8.58						
1987	04-18-86	3,700.00		8.65						
	04-25-86	3,810.00		10.81						3
1988	04-27-86	7,730.00		9.76						
	05-21-87	5,570.00		9.22						
1989	10-04-86	4,680.00		8.73						
	03-07-87	3,890.00		9.73						
1990	03-20-87	5,520.00		12.65						1
	06-30-88	11,800.00		11.12						
1991	05-21-88	8,390.00		9.76						0
	09-21-89	7,510.00		7.79						0
1992	07-22-90	4,070.00		10.66						4
	05-16-91	9,480.00		10.18						
1993	05-29-91	8,400.00		8.41						
	06-02-91	5,030.00		9.60						
1994	06-04-91	7,190.00		10.55						
	06-07-91	9,220.00		6.65						
1995	07-23-92	2,600.00								0
	03-21-93	10,000.00	2							5
1996	05-01-93	3,690.00		8.02						
	05-07-93	4,890.00		8.93						
1997	06-16-93	3,870.00		8.03						
	06-19-93	4,620.00		8.41						
1998	09-20-93	5,900.00		8.91						
	03-04-94	7,200.00		9.80	1					1
1999	06-08-94	3,780.00		7.58						



**Table 137. Station 06447490, Little White River tributary near Martin, South Dakota**

Drainage area: 8.90 mi<sup>2</sup>  
 Contributing drainage area: 8.90 mi<sup>2</sup>  
 Gage datum: 4.00 ft<sup>3</sup>/s  
 Base discharge: 4.00 ft<sup>3</sup>/s

Station locator  
 Latitude Longitude  
 431020 1014102

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1971	02-15-71	5.00		3.30	1					0
1972	- -72	3.00	4							0
1973	- -73	20.00	4							0
1974	- -74	20.00	4							0
1975	- -75	20.00	4							0
1976	08-05-76	46.00		4.03						0
1977	08-13-77	18.00		3.07						0
1978	03- -78	30.00		8.14	1					0
1979	- -79	20.00								0
1980	- -80	20.00	2							0

**Table 138. Station 06447500, Little White River near Martin, South Dakota**

Station locator  
 Latitude Longitude  
 431000 1013747

Drainage area: 310 mi<sup>2</sup>  
 Contributing drainage area: 230 mi<sup>2</sup>  
 Gage datum: 3,045.00 ft above sea level  
 Base discharge: 100 ft<sup>3</sup>/s

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water Year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1932	05-05-32			13.30						0
1938	05-20-38	116.00		6.20	2		6.36	03-05-38		0
1939	05-23-39	440.00		11.37						0
1940	03-07-40	60.00					5.68	03-04-40	1	0
1962	07-19-62	70.00		3.83						0
1963	06-20-63	181.00		5.77						1
	05-31-63	112.00		4.51						
1964	04-30-64	91.00		3.57	2		3.90	03-20-64	1	0
1965	07-19-65	1,190.00		12.90						2
	06-25-65	104.00		3.84						
	06-28-65	442.00		8.94						
1966	03-11-66	1,040.00		13.21	1					0
1967	06-14-67	688.00		10.21						5
	05-09-67	142.00		4.64						
	06-11-67	137.00		4.50						
	06-18-67	542.00		9.24						
	06-28-67	131.00		4.41						
	07-19-67	433.00		8.29						
1968	06-06-68	293.00		6.66						2
	04-10-68	157.00		4.76						
	06-10-68	253.00		6.16						
1969	07-25-69	230.00		5.83	2		6.37	03-18-69	1	2
	03-18-69	190.00								
	07-22-69	175.00		5.03						
1970	04-26-70	140.00		4.13						0
1971	03-29-71	118.00		3.69	2		4.53	02-19-71	1	0
1972	05-14-72	94.00		3.21						0
1973	03-18-73	87.00		3.07	2		3.38	02-20-73	1	0
1974	04-15-74	109.00		3.59						0
1975	04-10-75	452.00		8.47						1
	05-01-75	130.00		4.26						0
1976	09-15-76	118.00		4.05						3
1977	04-10-77	334.00		7.57						
	04-13-77	291.00		7.04						
	06-17-77	219.00		6.08						
	08-12-77	143.00		4.91						
1978	03-12-78	550.00		11.16	1					0
1979	06-25-79	156.00		5.01						1
	07-27-79	118.00		4.48						

**Table 138. Station 06447500, Little White River near Martin, South Dakota—Continued**

Water Year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1980	04-09-80	87.00		3.41	2		3.69	03-17-80	1	0
1981	07-30-81	26.00		2.63						0
1982	05-19-82	158.00		5.26						1
	05-15-82	155.00		5.21						
1983	08-01-83	1,020.00		12.10						1
	05-05-83	137.00		4.70						
1984	04-08-84	67.00		3.62	2		4.33	02-28-84	1	0
1985	07-04-85	123.00		4.90						0
1986	03-02-86	480.00		9.59	1					1
	08-04-86	120.00		5.26						
1987	03-10-87	137.00		4.60						0
1988	03-25-88	316.00		7.23						1
	05-29-88	259.00		6.62						
1989	03-13-89	197.00		5.81						0
1990	06-04-90	394.00		7.99						3
	05-19-90	104.00		4.19						
	06-18-90	229.00		6.21						
	08-05-90	152.00		5.10						
1991	07-29-91	281.00		6.87						1
	05-28-91	158.00		5.39						
1992	06-21-92	48.00		2.69	2		3.03	02-04-92	1	0
1993	03-14-93	170.00	2	5.92	1					1
	05-12-93	108.00		4.15						
1994	03-05-94	600.00		11.62	1					4
	03-15-94	109.00		4.08						
	06-10-94	140.00		4.68						
	07-14-94	169.00		5.20						
	07-16-94	215.00		5.95						

Table 139. Station 06448000, Lake Creek above Refuge, near Tuthill, South Dakota

Station locator  
 Latitude Longitude  
 430507 1013604

Drainage area: 58.0 mi<sup>2</sup>  
 Contributing drainage area: 23.0 mi<sup>2</sup>  
 Gage datum: 3,090.00 ft above sea level  
 Base discharge: 50.0 ft<sup>3</sup>/s

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water Year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since (ft)	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1938	04-27-38	57.00								0
1939	03-20-39	52.00								0
1940	03-15-40	52.00								0
1962	08-30-62	23.00								0
1963	06-16-63	67.00		1.81	2		3.15	02-01-63	1	1
	04-10-63	51.00		2.69						
1964	04-28-64	80.00		2.43						
	04-21-64	70.00		2.87						2
	06-23-64	51.00		2.37						
1965	05-14-65	99.00		2.99						0
1966	03-09-66	154.00		2.83	2		3.60	03-08-66	1	0
1967	05-03-67	100.00		3.38	1					2
	06-12-67	59.00		2.76						
	06-15-67	59.00		2.77						
1968	06-09-68	132.00		3.47						3
	04-06-68	79.00		3.16						
	06-06-68	114.00		3.35						
	08-15-68	61.00		3.01						
1969	03-17-69	100.00		3.22	2		3.61	01-02-69	1	1
	07-24-69	93.00		3.33						
1970	04-23-70	51.00		2.69	2		3.23	01-22-70	1	0
1971	04-20-71	121.00		3.46	2		3.75	02-12-71	1	0
1972	04-26-72	61.00		2.81	2		3.35	02-10-72	1	1
	05-02-72	60.00		2.77						
1973	05-27-73	99.00		3.21	2		3.46	01-16-73	1	1
	03-14-73	76.00		3.15						
1974	04-11-74	107.00		3.09	2		3.18	01-17-74	1	1
	05-29-74	94.00		2.87						
1975	04-28-75	70.00		2.21	2		3.28	04-07-75	1	1
	06-19-75	56.00		1.97						
1976	05-23-76	51.00		1.87	2		2.66	01-29-76	1	0
1977	03-24-77	127.00		2.60	2		3.06	03-17-77	1	1
	05-22-77	68.00		2.00						
1978	05-28-78	87.00		2.60	2		3.39	02-23-78	1	2
	03-18-78	77.00		2.54						
	04-19-78	54.00		2.23						
1979	12-01-78	30.00	9	2.79	1					0

**Table 140. Station 06449000, Lake Creek below Refuge, near Tuthill, South Dakota**

Station locator  
 Latitude Longitude  
 430846 1013038

Drainage area: 120 mi<sup>2</sup>  
 Contributing drainage area: 60.0 mi<sup>2</sup>  
 Gage datum: 3,055.00 ft above sea level  
 Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water Year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage- height codes	Highest since	Maximum gage height (ft)	Date	Gage- height codes	Number of partial peaks
1938	07-18-38	97.00	6	4.55			4.69	03-09-39	1	0
1939	03-12-39	70.00	6							0
1940	04-28-40	61.00	6	4.04						0
1963	03-17-63	70.00	6	3.76						0
1964	04-06-64	107.00	6	4.20	2		4.37	02-12-64	1	0
1965	06-01-65	47.00	6	3.31	2		3.76	12-16-64	1	0
1966	03-22-66	122.00	6	4.30	2		4.34	03-24-66	1	0
1967	06-18-67	178.00	6	5.17						0
1968	04-10-68	60.00	6	4.06	2		4.75	04-04-68	1	0
1969	04-11-69	61.00	6	3.72	2		4.10	12-23-68	1	0
1970	05-06-70	79.00	6				4.32	04-29-70		0
1971	05-05-71	130.00	6	4.57						0
1972	05-01-72	127.00	6	4.66						0
1973	04-01-73	80.00	6	4.05						0
1974	04-27-74	57.00	6	3.90						0
1975	04-28-75	96.00	6	4.34	2		5.67	03-28-75	1	0
1976	02-21-76	45.00	6	4.01	1					0
1977	04-12-77	140.00	6	4.71						0
1978	03-28-78	84.00	6	3.97						0
1979	04-12-79	78.00	6	3.55						0
1980	04-11-80	110.00	6	4.39						0
1981	06-15-81	74.00	6	3.29						0
1982	06-08-82	94.00	1,6				4.53	01-23-82	1	0
1983	05-20-83	108.00	6	4.16						0
1984	04-12-84	98.00	6	4.21						0
1985	03-28-85	43.00	6	2.78						0
1986	04-07-86	234.00	6	4.86						0
1987	03-25-87	594.00	6	5.57						0
1988	06-04-88	148.00	6	4.48	2		6.46	03-12-88	1	0
1989	04-03-89	88.00	6	3.86						0
1990	03-27-90	121.00	6	5.22						0
1991	06-01-91	217.00	6	5.24						0
1992	03-06-92	50.00	6	3.15						0
1993	03-24-93	86.00	6	4.93						0
1994	03-21-94	72.00	6	3.71						0

**Table 141. Station 06449100, Little White River near Vetal, South Dakota**

Station locator Latitude Longitude 430603 1011349  
 Drainage area: Contributing drainage area: 590 mi<sup>2</sup> 415 mi<sup>2</sup>  
 Gage datum: 2,780.69 ft above sea level  
 Base discharge: 150 ft<sup>3</sup>/s

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1960	03-24-60	1,120.00	5	7.12						0
1961	05-21-61	192.00	5	3.39	2		4.52	02-18-61	1	0
1962	06-20-62	732.00	5	5.95						7
	05-16-62	302.00	5	4.07						
	05-21-62	219.00	5	3.69						
	05-26-62	287.00	5	4.10						
	05-29-62	324.00	5	4.29						
	06-07-62	184.00	5	3.61						
	06-17-62	241.00	5	3.98						
	07-21-62	192.00	5	3.65						
1963	06-26-63	440.00	5	4.80						3
	06-15-63	192.00	5	3.56						
	06-20-63	345.00	5	4.35						
	06-24-63	160.00	5	3.49						
1964	05-05-64	213.00	5	3.84						0
1965	07-01-65	371.00	5	4.91						2
	04-10-65	176.00	5	3.58						
	07-22-65	343.00	5	4.81						3
1966	03-13-66	1,330.00	5	7.75						
	03-27-66	223.00	5	3.90						
	04-09-66	166.00	5	3.53						
	07-28-66	312.00	5	4.26						
1967	06-20-67	602.00	5	5.85						4
	05-13-67	319.00	5	4.23						
	06-12-67	310.00	5	4.35						
	07-04-67	312.00	5	4.46						
	07-22-67	215.00	5	3.75						4
1968	06-09-68	451.00	5	5.17						
	04-06-68	294.00	5	4.25						
	04-13-68	198.00	5	3.83						
	06-07-68	187.00	5	4.01						
	06-24-68	173.00	5	3.94						
1969	03-21-69	374.00	5	4.80						1
	07-27-69	211.00	5	4.30						
1970	04-24-70	260.00	5	4.39						0

**Table 141. Station 06449100, Little White River near Vetol, South Dakota—Continued**

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1971	04-04-71	211.00	5	4.23	2		4.25	05-06-71		3
	04-20-71	192.00	5	4.15						
	05-06-71	210.00	5	4.25						
1972	06-07-71	157.00	5	3.91						1
	05-03-72	171.00	5	4.04						
	05-15-72	157.00	5	3.92						
1973	03-14-73	158.00	5	4.02	2		4.04	04-01-73		3
	03-14-73	157.00	5	3.93						
	03-25-73	155.00	5	3.96						
1974	04-01-73	171.00	5	4.04						
	04-22-74	144.00	5	3.85	2		4.39	01-16-74	1	0
	04-14-75	438.00	5	5.27						0
1975	09-15-76	152.00	5	3.96	2		4.20	02-05-76	1	0
1976	04-13-77	508.00	5	6.01						4
	04-06-77	401.00	5	5.62						
	04-20-77	387.00	5	5.53						
1977	05-07-77	153.00	5	4.29						
	05-27-77	169.00	5	4.36						
	03-14-78	1,170.00	5	8.07						3
1978	04-19-78	166.00	5	4.47						
	04-24-78	189.00	5	4.65						
	05-13-78	164.00	5	4.57						
1979	06-25-79	290.00	5	5.31						2
	03-18-79	189.00	5	4.88						
	07-18-79	200.00	5	4.84						
1980	04-13-80	163.00	5	4.91	2		5.50	03-02-80	1	0
	08-14-81	60.00	5	4.08	2		4.49	02-01-81	1	0
	02-18-82	250.00	5	6.94						0
1981	08-03-83	794.00	5,9	4.88						2
	05-02-83	229.00	5	4.88						
	05-18-83	246.00	5	4.98						
1984	06-17-84	176.00	5	4.57	2		5.09	03-17-84	1	0
	03-06-85	104.00	5	4.45	2		4.72	03-05-85	1	0
	03-04-86	825.00	5	7.03						5
1986	03-22-86	196.00	5	4.72						
	04-09-86	240.00	5	4.93						
	04-16-86	306.00	5	5.23						
1987	04-18-86	252.00	5	4.99						
	06-10-86	162.00	5	4.59						
	03-27-87	287.00	5	5.30						5
1988	03-01-87	200.00	5	4.82						
	03-08-87	172.00	5	4.70						
	03-12-87	208.00	5	4.89						
1989	03-22-87	279.00	5	5.25						
	04-06-87	248.00	5	5.07						

Table 141. Station 06449100, Little White River near Vetol, South Dakota—Continued

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1988	03-29-88	471.00	5	5.90						5
	02-28-88	168.00	5	4.60						
	03-06-88	182.00	5	4.67						
	03-23-88	172.00	1,5							
	05-26-88	214.00	5	4.83						
1989	05-31-88	359.00	5	5.47						0
	03-11-89	140.00	2,5	4.50	2	4.78	4.78	01-26-89	1	
1990	06-06-90	347.00	5	5.85						2
	06-02-90	210.00	5	5.07						
	06-20-90	232.00	5	5.21						
	05-16-91	3,540.00	5	12.53						
	08-01-91	154.00	5	4.57						
1991	03-07-92	113.00	5	4.33	2	4.55	4.55	01-15-92	1	0
	03-27-93	244.00	5	5.20						
1993	05-14-93	157.00	5	4.73						2
	08-16-93	150.00	5	4.54						
1994	03-08-94	1,040.00	5	8.76						1
	07-18-94	176.00	5	4.67						



**Table 142.** Station 06449250, Spring Creek near St. Francis, South Dakota

Station locator  
 Latitude Longitude  
 430421 1010149

Drainage area: 57.0 mi<sup>2</sup>  
 Contributing drainage area: 10.0 mi<sup>2</sup>  
 Gage datum: 2,815.50 ft above sea level  
 Base discharge: 25.0 ft<sup>3</sup>/s

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1960	05-05-60	53.00		6.86						0
1961	03-25-61	23.00		5.77						0
1962	06-21-62	65.00		7.41						4
	05-31-62	58.00		6.78						
	06-06-62	39.00		6.24						
	06-17-62	61.00		7.30						
	07-04-62	58.00		7.19						
1963	04-10-63	29.00		5.94						2
	03-02-63	26.00		5.80						
	03-19-63	27.00		5.84						
1964	04-29-64	37.00		6.36						0
1965	04-13-65	9.00		4.69	2		4.85	02-17-65	1	0
1966	03-16-66	32.00		6.13						0
1967	06-15-67	43.00		6.76						0
1968	06-09-68	55.00		7.27						2
	04-08-68	34.00		6.08						
	04-24-68	34.00		6.21						
1969	03-19-69	59.00		7.43						1
	04-03-69	40.00		6.46						
1970	04-18-70	51.00		7.05						0
1971	04-21-71	56.00		7.34						1
	04-29-71	51.00		7.10						
1972	05-03-72	26.00		5.73						0
1973	03-25-73	30.00		5.87						3
	03-03-73	28.00		5.75						
	03-16-73	28.00		5.79						
	04-02-73	25.00		5.60						
1974	03-02-74	16.00		5.14						0

**Table 143. Station 06449300, Little White River above Rosebud, South Dakota**

Station locator  
 Latitude Longitude  
 431547 1005502

Drainage area: 890 mi<sup>2</sup>  
 Contributing drainage area: 630 mi<sup>2</sup>  
 Gage datum: 2,416.00 ft above sea level  
 Base discharge: 300 ft<sup>3</sup>/s

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1982	02-18-82	480.00	1,5							0
1983	08-04-83	900.00	5	3.51						4
	05-03-83	450.00	5	2.42						
	05-14-83	326.00	5	2.18						
	05-18-83	345.00	5	2.22						
	05-26-83	307.00	5	2.17						
1984	04-07-84	315.00	5	1.80	2		3.25	02-09-84	1	0
1985	07-02-85	204.00	5	1.63	2		3.72	03-08-85	1	0
1986	03-05-86	650.00	5				3.81	02-12-86	1	5
	02-27-86	550.00	1,2,5,8							
	04-10-86	337.00	5	1.63						
	04-19-86	464.00	5	1.67						
	04-23-86	322.00	5	1.43						
	07-31-86	322.00	5	1.61						
1987	03-23-87	500.00	1,2,5,8				4.57	01-23-87	1	1
	04-04-87	406.00	5	1.59						
1988	03-28-88	520.00	5	1.80	2		2.95	02-25-88	1	1
	05-31-88	355.00	5	1.61						
1989	03-10-89	450.00	2,5	2.50	1					0
1990	07-08-90	600.00	5	1.86	2		5.67	12-23-89	1	2
	06-07-90	516.00	5	1.74						
	07-28-90	427.00	5	1.60						3
1991	05-16-91	2,190.00	5	7.18						
	05-29-91	576.00	5	2.26						
	06-03-91	659.00	5	2.49						
	06-14-91	481.00	5	1.79						
1992	03-09-92	215.00	5	1.86			2.10	01-26-92	1	0
1993	08-16-93	772.00	5	3.94	2		3.52	03-08-93	1	0
1994	03-08-94	1,030.00	5	4.59						4
	02-19-94	800.00	5	5.53	1					
	03-04-94	1,000.00	5	7.21						
	08-18-94	379.00	5	2.83						
	08-29-94	353.00	5	2.74						

**Table 144.** Station 06449400, Rosebud Creek at Rosebud, South Dakota

Station locator  
 Latitude Longitude  
 431409 1005112

Drainage area: 50.8 mi<sup>2</sup>  
 Contributing drainage area: 50.8 mi<sup>2</sup>  
 Gage datum: 2,531.91 ft above sea level  
 Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1975	04-07-75	19.00	5	3.63	2		4.37	01-16-75	1	0
1976	07-27-76	643.00	5	10.34						0
1977	09-30-77	103.00	5	5.42						0
1978	03-18-78	379.00	5	8.44						0
1979	06-24-79	530.00	5	10.13						0
1980	10-29-79	15.00	5	4.06	2		4.98	02-17-80	1	0
1981	08-04-81	241.00	5	7.64						0
1982	10-11-81	44.00	5	5.97						0
1983	05-01-83	19.00	1,5							0
1984	07-10-84	24.00	5	5.23	2		7.49	03-26-83	1	0
1985	04-03-85	25.00	5	5.25	2		6.15	10-10-83	1	0
1986	09-18-86	38.00	5	5.40	2		5.81	01-12-85	1	0
1987	03-05-87	42.00	5	5.49	2		6.41	01-05-86	1	0
1988	05-16-88	115.00	5	5.67	2		5.89	02-04-88	1	0
1989	09-20-89	32.00	5	5.24	2		6.23	03-05-89	1	0
1990	07-10-90	73.00	5	6.04						0
1991	05-28-91	120.00	5	5.95						0
1992	09-18-92	88.00	5	5.57	2		5.68	02-12-92	1	0
1993	07-28-93	151.00	5	6.06						0
1994	03-02-94	160.00	5	7.90	1					0

**Table 145. Station 06449500, Little White River near Rosebud, South Dakota**

Station locator  
 Latitude Longitude  
 431932 1005300

Drainage area: 1,020 mi<sup>2</sup>  
 Contributing drainage area: 760 mi<sup>2</sup>  
 Gage datum: 2,294.99 ft above sea level  
 Base discharge: 330 ft<sup>3</sup>/s

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1944	05-17-44	4,470.00	5	13.92						0
1945	03-12-45	700.00	1,5				9.96	03-10-45	1	0
1946	08-28-46	566.00	5				6.99	02-18-46	1	0
1947	03-14-47	417.00	1,5				6.53	03-10-47	1	1
	03-15-47	417.00	1,5							
1948	08-13-48	498.00	5	5.52	2		7.33	03-11-48	1	0
1949	03-04-49	1,250.00	5	10.28	2		11.87	03-05-49	1	1
	05-31-49	392.00	5	5.27						
1950	03-23-50	2,220.00	5	9.98						4
	02-18-50	400.00	5	7.75	1					
	03-16-50	1,100.00	5	7.92	1					
	03-31-50	596.00	5	5.88						
	07-18-50	491.00	5	5.56						
1951	03-22-51	340.00	5	6.24	2		6.35	03-26-51	1	0
1952	03-29-52	942.00	5	6.75	2		7.63	03-17-52	1	2
	03-17-52	650.00	5	7.63	1					
	03-23-52	365.00	5	4.97						
1953	03-18-53	510.00	5	5.13	2		7.00	02-10-53	1	2
	03-15-53	436.00	5	4.91						
	05-03-53	500.00	5	5.10						
1954	03-19-54	311.00	5	4.38	2		5.92	01-14-54	1	0
1955	03-11-55	770.00	5	9.33	2		9.47	03-10-55	1	4
	03-14-55	635.00	5	5.75						
	03-29-55	443.00	5	5.00						
	06-02-55	368.00	5	4.74						
	06-16-55	462.00	5	5.07						
1956	03-20-56	358.00	5	4.58	2		7.51	03-16-56	1	0
1957	06-16-57	410.00	5	4.80	2		5.98	01-07-57	1	2
	04-21-57	352.00	5	4.67						
	05-26-57	387.00	5	4.70						
1958	06-12-58	575.00	5	5.40	2		6.03	03-02-58	1	2
	04-08-58	358.00	5	4.65						
	07-24-58	416.00	5	4.81						
1959	08-20-59	943.00	5	6.62						0
1960	03-21-60	2,370.00	5	9.52	2		10.27	03-21-60	1	2
	03-25-60	1,290.00	5	6.83						
	05-25-60	337.00	5	4.33						

Table 145. Station 06449500, Little White River near Rosebud, South Dakota—Continued

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1961	05-19-61	299.00	5	4.22	2		6.06	02-24-61	1	0
	07-12-62	3,600.00	5	12.27						8
1962	05-16-62	394.00	5	4.59						
	05-21-62	986.00	5	6.13						
	05-25-62	367.00	5	4.62						
	05-30-62	416.00	5	4.65						
	06-13-62	519.00	5	4.93						
	06-17-62	1,430.00	5	7.30						
	06-21-62	785.00	5	5.58						
	07-04-62	356.00	5	4.42						
	06-26-63	617.00	5	5.26	2		8.12	12-23-62	1	1
	06-21-63	378.00	5	4.64						
	06-16-64	426.00	5	4.79	2		5.76	03-07-64	1	0
	1965	07-05-65	1,090.00	5	6.38	2		6.96	12-26-64	1
07-02-65		418.00	5	4.87						
1966	07-22-65	378.00	5	4.56						
	03-14-66	1,460.00	5	7.44	2		12.28	03-13-66	1	1
	08-11-66	649.00	5	5.37						
1967	06-11-67	4,640.00	5	14.09						4
	06-15-67	1,930.00	5	8.61						
	06-21-67	716.00	5	5.63						
	07-05-67	350.00	5	4.66						
1968	09-18-67	1,540.00	5	7.59						
	06-07-68	2,850.00	5	10.51						2
	04-07-68	378.00	5	4.66						
	07-16-68	451.00	5	4.78						
	03-18-69	650.00	5	7.68	1		5.91	02-05-70	1	0
1970	04-24-70	362.00	5	4.45	2					0
	04-20-71	3,320.00	5	11.52						0
1972	07-25-72	768.00	5	5.72	2					0
1973	03-14-73	365.00	5	4.48	2		5.80	01-20-72	1	0
1974	08-15-74	237.00	5	4.25	2		6.48	02-18-73	1	0
1975	04-14-75	469.00	5	4.83	2		5.74	02-17-74	1	0
1976	07-27-76	1,430.00	5	7.45			6.41	04-04-75	1	1
1977	09-15-76	379.00	5	4.66						
	09-30-77	1,380.00	5	7.28						5
	04-04-77	506.00	5	4.93						
	04-08-77	595.00	5	5.17						
	04-12-77	662.00	5	5.49						
1978	06-16-77	1,350.00	5	7.24						
	08-08-77	584.00	5	5.27						
1979	03-19-78	1,560.00	5	8.13	2		9.87	03-15-78	1	0
	06-25-79	2,830.00	5	10.81						1
	06-19-79	654.00	5	5.65						

Table 145. Station 06449500, Little White River near Rosebud, South Dakota—Continued

Water Year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1980	04-13-80	246.00	1,5				7.65	11-28-79	1	0
1981	08-04-81	368.00	5	5.60	2		7.30	12-22-80	1	0
1982	02-19-82	500.00	5,9	5.96	1					0
1983	08-04-83	576.00	5	5.96	2		6.21	02-06-83	1	2
	05-02-83	476.00	5	5.54						
	05-12-83	334.00	5	5.13						
1984	04-08-84	300.00	1,5				6.88	12-01-83	1	0
1985	03-23-85	181.00	5	4.74	2		7.51	12-06-84	1	0
1986	03-05-86	672.00	5	6.19	2		9.22	02-27-86	1	3
	02-27-86	610.00	5	9.22	1					
	04-18-86	397.00	5	5.13						
	04-23-86	422.00	5	5.17						
1987	03-23-87	495.00	5	5.45						1
	04-04-87	415.00	5	5.14						
1988	03-28-88	454.00	5	5.24	2		6.57	02-21-88	1	2
	03-23-88	382.00	5	5.04						
	06-01-88	351.00	5	5.05						
1989	03-10-89	500.00	5	6.42	1,2		7.33	03-06-89	1	0
1990	07-08-90	641.00	2,5	6.19	2		6.62	02-17-90	1	2
	06-01-90	345.00	5	5.49						
	06-07-90	436.00	5	5.73						
1991	05-17-91	2,140.00	5	9.76						3
	05-29-91	705.00	5	6.56						
	06-03-91	1,450.00	5	8.38						
	06-14-91	544.00	5	6.09						
1992	03-09-92	229.00	5	5.09	2		8.55	01-24-92	1	0
1993	08-16-93	752.00	5	6.69						0
1994	08-24-94	2,170.00	5	9.82						5
	02-19-94	900.00	5	8.49	1					
	03-03-94	1,350.00	5	9.20	1					
	03-07-94	1,080.00	5	7.54	1					
	08-19-94	341.00	5	5.43						
	08-29-94	334.00	5	5.41						

**Table 146.** Station 06449700, Little Oak Creek near Mission, South Dakota

Station locator                      Drainage area:                      2.58 mi<sup>2</sup>  
 Latitude Longitude                Contributing  
    drainage area:                      2.58 mi<sup>2</sup>  
 431945 1004233                      Gage datum:  
    Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since (ft)	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1956	03-19-56	35.00		4.93	1					0
1957	06- -57	66.00		5.79						0
1958	06-24-58	180.00		5.01						0
1959	07- -59	10.00		3.40						0
1960	03-21-60	245.00		7.95						0
1961	05-04-61	1.00		2.26						0
1962	06- -62	646.00		10.15						0
1963	02- -63	25.00		4.55	1					0
1964	07-30-64	45.00		5.12						0
1965	03- -65	5.00		3.39	1					0
1966	08-31-66	13.00		3.61						0
1967	06-15-67	22.00		4.15						0
1968	06-07-68	510.00		9.49						0
1969	05-21-69	7.00		3.11						0
1970	04-16-70	15.00		3.83	1					0
1971	04-20-71	45.00								0
1972	07-20-72	103.00		3.50						0
1973	05-27-73	30.00		2.20						0
1974	05-29-74	13.00		1.85						0
1975	- -75	5.00								0
1976	07-03-76	14.00		1.87						0
1977	05-09-77	970.00		11.87						0
1978	04- -78	25.00		4.94	1					0
1979	06-16-79	134.00		3.99						0
1980	- -80	15.00								0

Table 147. Station 06449750, West Branch Horse Creek near Mission, South Dakota

Station locator                      Drainage area:                      6.31 mi<sup>2</sup>  
 Latitude Longitude                      Contributing  
    drainage area:                      6.31 mi<sup>2</sup>  
 432336 1004232                      Gage datum:  
    Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1956	03-19-56	10.00								0
1957	06- -57	160.00		5.26						0
1958	06- -58	18.00		3.77						0
1959	- -59	0.00								0
1960	07-12-60	84.00		4.70						0
1961	05-14-61	2.00		3.15						0
1962	06- -62	122.00		5.02						0
1963	08- -63	10.00		3.55						0
1964	06-16-64	20.00		3.83						0
1965	03- -65	8.00		3.56	1					0
1966	08-31-66	16.00		3.72						0
1967	06-15-67	59.00		4.44						0
1968	06-07-68	548.00		7.05						0
1969	03- -69	25.00		4.94						0
1970	06-15-70	390.00		4.90						0



**Table 148. Station 06450500, Little White River below White River, South Dakota**

Station locator  
 Latitude Longitude  
 433605 1004458

Drainage area: 1,570 mi<sup>2</sup>  
 Contributing drainage area: 1,310 mi<sup>2</sup>  
 Gage datum: 1,912.78 ft above sea level  
 Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water Year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1930	05-11-30	1,390.00								0
1931	02-04-31	438.00								0
1932	05-06-32	4,110.00								0
1939	05-23-39	909.00	5							0
1940	06-03-40	565.00	5							0
1951	08-01-51	1,830.00	5							0
1952	03-29-52	5,850.00	5							0
1953	04-30-53	2,820.00	5							0
1954	03-17-54	1,870.00	5							0
1955	03-11-55	2,840.00	5							0
1956	08-06-56	1,960.00	5							0
1957	08-26-57	1,420.00	5							0
1958	04-06-58	1,330.00	5							0
1959	08-20-59	1,210.00	5							0
1960	03-22-60	6,050.00	5							0
1961	08-12-61	1,920.00	5							0
1962	06-25-62	5,950.00	5							0
1963	06-15-63	1,100.00	5							0
1964	06-16-64	1,320.00	5							0
1965	07-23-65	1,090.00	5							0
1966	03-15-66	3,310.00	5							0
1967	06-12-67	13,700.00	5							0
1968	06-07-68	13,400.00	5							0
1969	07-20-69	1,400.00	5							0
1970	11-14-69	804.00	5							0
1971	04-20-71	11,200.00	5							0
1972	07-26-72	1,500.00	5							0
1973	05-28-73	995.00	5							0
1974	10-11-73	846.00	5							0
1975	05-18-75	905.00	5							0
1976	07-28-76	942.00	5							0
1977	09-30-77	1,460.00	5							0
1978	03-19-78	5,500.00	5							0
1979	06-18-79	3,320.00	5							0
1980	06-16-80	1,970.00	5							0
1981	05-30-81	210.00	5							0
1982	06-14-82	2,410.00	2,5							0
				5.43	2		8.53	03-18-69	1	
				4.41	2		6.46	01-26-70	1	
				13.75						
				5.41	2		6.53	03-10-72	1	
				4.57	2		6.77	02-28-73	1	
				4.38	2		5.26	01-19-74	1	
				4.72	2		5.37	03-13-75	1	
				4.59	2		5.50	02-16-76	1	
				5.42	2		6.21	03-09-77	1	
				9.15	2		10.35	03-15-78	1	
				7.15						
				5.90	2		5.92	03-08-80	1	
				3.76	2		5.72	02-21-81	1	
				6.21			7.33	02-20-82	1	

**Table 148.** Station 06450500, Little White River below White River, South Dakota—Continued

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1983	05-01-83	7,000.00	5	10.40						0
1984	07-03-84	800.00	5	4.06	2		5.31	01-30-84	1	0
1985	03-19-85	629.00	5	3.72	2		5.63	02-21-85	1	0
1986	06-11-86	1,520.00	5	5.03	2		7.38	02-26-86	1	0
1987	04-06-87	1,370.00	5	4.67	2		5.67	02-10-87	1	0
1988	03-24-88	991.00	5	4.31	2		6.57	03-05-88	1	0
1989	09-21-89	550.00	5	3.70	2		5.02	03-18-89	1	0
1990	06-16-90	2,090.00	5	5.80						0
1991	06-04-91	2,410.00	5	6.17	2		7.28	02-21-91	1	0
1992	06-16-92	826.00	5	4.31	2		5.05	11-11-91	1	0
1993	05-01-93	1,650.00	5	5.24	2		7.99	03-07-93	1	0
1994	03-03-94	3,220.00	5	6.82	2		8.84	02-18-94	1	0

**Table 149. Station 06451750, Cottonwood Creek tributary near Winner, South Dakota**

Station locator                      Drainage area:                      4.00 mi<sup>2</sup>  
 Latitude Longitude                Contributing  
    drainage area:                      4.00 mi<sup>2</sup>  
 432311 1000113                      Gage datum:  
    Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1971	03--71	10.00		4.00	1					0
1972	07-25-72	180.00		4.86						0
1973	05-27-73	90.00		4.18						0
1974	04-12-74	28.00		3.70						0
1975	06-21-75	96.00		4.22						0
1976	--76	0.00								0
1977	05-06-77	184.00		4.93						0
1978	04-29-78	111.00		4.34						0
1979	06-16-79	111.00		4.34						0
1980	06-07-80	40.00		3.79						0

**Table 150. Station 06452000, White River near Oacoma, South Dakota**

Station locator  
 Latitude Longitude  
 434454 0993322

Drainage area: 10,200 mi<sup>2</sup>  
 Contributing drainage area: 9,940 mi<sup>2</sup>  
 Gage datum: 1,377.29 ft above sea level  
 Base discharge: 5,500 ft<sup>3</sup>/s

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1929	03-10-29	10,800.00			3					0
1930	05-13-30	12,100.00			3					0
1931	10-06-30	5,470.00			3					0
1932	05-08-32	12,100.00			3					0
1933	09-01-33	6,580.00			3					0
1934	06-20-34	5,680.00			3					0
1935	06-02-35	15,800.00			3					3
	04-11-35	8,100.00			3					
	04-27-35	14,400.00			3					
	05-21-35	11,200.00			3					
1936	03-05-36	7,210.00			3					0
1937	06-19-37	8,500.00			3					2
	07-15-37	5,640.00			3					
	07-20-37	7,920.00			3					
1938	05-20-38	9,540.00			3					0
1939	05-28-39	6,160.00			3					0
1940	05-01-40	3,140.00			3					0
1941	06-12-41	10,800.00			3					2
	06-02-41	7,970.00			3					
	07-05-41	9,960.00			3					
1942	05-08-42	35,300.00			3					0
1943	06-01-43	6,980.00			3					0
1944	06-14-44	14,600.00			3					0
1945	03-12-45	6,200.00			3					0
1946	06-20-46	5,530.00			3					0
1947	06-25-47	11,400.00			3					0
1948	06-17-48	12,200.00			3					1
	06-24-48	11,400.00			3					
1949	03-08-49	10,200.00			3					0
1950	03-31-50	20,000.00			3					1
	05-10-50	11,100.00			3					
1951	06-21-51	8,100.00			3					1
	06-08-51	7,700.00			3					
1952	03-30-52	51,900.00			3					2
	05-24-52	11,300.00			3					
	06-29-52	9,970.00			3					

Table 150. Station 06452000, White River near Oacoma, South Dakota—Continued

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1953	03-12-53	29,900.00								5
	03-14-53	17,700.00			3					
	03-18-53	10,600.00			3					
	05-03-53	19,100.00			3					
	07-29-53	9,360.00			3					
	08-03-53	9,290.00			3					
	05-25-54	4,990.00			3					0
	09-22-55	10,200.00			3					1
	03-12-55	9,330.00			3					
	03-09-56	5,500.00			3					0
1956	05-27-57	12,800.00			3					4
	03-02-57	9,000.00			3					
1957	05-22-57	10,000.00			3					
	06-12-57	11,000.00			3					
1958	07-01-57	7,750.00			3					
	04-08-58	6,530.00			3					0
1959	05-07-59	9,020.00			3					0
1960	03-27-60	23,400.00		11.43	2		17.07	03-21-60	1	1
	03-23-60	23,300.00		11.40						
1961	06-16-61	6,050.00		6.46						0
1962	07-15-62	23,200.00		11.67	2		12.67	03-27-62	1	7
	03-29-62	8,300.00		8.10	1					
1963	05-19-62	6,320.00		6.74						
	05-23-62	9,420.00		7.83						
1964	05-31-62	13,500.00		8.83						
	06-17-62	21,300.00		11.00						
1965	06-26-62	14,700.00		9.76						
	07-02-62	11,400.00		8.81						0
1966	06-18-63	9,850.00		8.02						4
	06-20-64	10,600.00		8.43						
1967	04-29-64	6,760.00		6.68						
	05-03-64	6,790.00		6.70						
1968	06-11-64	6,880.00		6.10						
	06-24-64	8,720.00		7.63						3
1969	05-20-65	13,100.00		8.69						
	05-17-65	11,000.00		8.04						
1970	05-27-65	13,000.00		8.67						
	06-29-65	6,980.00		6.77						
1971	03-13-66	33,400.00		14.24	1					2
	07-25-66	5,510.00		6.18						
1972	08-21-66	10,400.00		8.12						
	06-17-67	19,000.00		10.75	2		12.00	03-15-67		3
1973	06-13-67	17,800.00		9.48						
	06-19-67	14,100.00		9.45						
1974	06-26-67	8,050.00		7.42						

Table 150. Station 06452000, White River near Oacoma, South Dakota—Continued

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since (ft)	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1968	06-10-68	27,000.00		12.73						2
	04-24-68	6,720.00		6.80						
	06-28-68	6,480.00		6.36						
1969	03-23-69	8,100.00		7.48	2		11.90	03-20-69	1	1
	07-22-69	5,700.00		6.59						
1970	04-26-70	10,600.00		8.40						1
	06-15-70	7,280.00		7.30						
1971	04-21-71	14,300.00		9.35	2		17.05	03-14-71	1	3
	04-29-71	8,110.00		7.66						
	05-26-71	6,490.00		7.13						
1972	06-01-71	6,910.00		7.27						
	07-29-72	8,360.00		7.77						2
	05-14-72	7,720.00		7.58						
1973	07-26-72	5,590.00		6.96						
	05-29-73	6,960.00		7.93						0
1974	04-23-74	3,770.00		6.55						0
1975	06-21-75	10,200.00		8.72						2
	04-09-75	6,750.00		7.75						
1976	04-30-75	6,600.00		7.70						
	05-26-76	4,980.00		7.26						0
1977	04-14-77	12,100.00		9.79	2		11.46	03-11-77	1	5
	03-26-77	6,430.00		7.99						
	03-30-77	9,010.00		8.83						
1978	04-08-77	8,940.00		9.30						
	05-25-77	6,630.00		7.80						
	06-13-77	7,900.00		8.31						4
1979	03-14-78	25,000.00		23.59	1					
	03-20-78	23,100.00		12.77						
	04-30-78	9,900.00		8.77						
1979	06-01-78	5,770.00		7.47						
	06-24-78	7,930.00		8.34						
	06-26-79	11,800.00		9.52	2		10.15	03-12-79	1	3
1980	06-21-79	6,950.00		8.11						
	07-07-79	5,850.00		7.72						
	08-10-79	9,660.00		9.25						
1981	08-19-80	1,750.00		5.81	2		5.98	03-10-80	1	0
	08-08-81	5,800.00		7.83						0
1982	05-22-82	20,600.00		11.96	2		19.12	02-22-82	1	7
	02-22-82	5,500.00		19.12						
	05-17-82	14,900.00		10.17						
1976	05-25-82	16,300.00		11.21						
	05-30-82	7,460.00		8.36						
06-08-82	06-08-82	9,400.00		8.92						
	06-16-82	15,000.00		10.18						
07-28-82	8,100.00		8.55							

Table 150. Station 06452000, White River near Oacoma, South Dakota—Continued

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1983	05-04-83	20,900.00		12.57						4
	10-11-82	7,760.00		8.45						
	05-10-83	11,900.00		10.63						
	05-14-83	15,300.00		11.46						
	06-23-83	6,610.00		8.39						
	06-14-84	6,290.00		8.96	2	03-20-84	9.37	03-20-84	1	
1984	03-15-85	5,780.00		8.74						1
	03-17-85	5,580.00		8.66						
	05-09-86	34,600.00		14.64	2	03-01-86	20.80	03-01-86	1	
	03-01-86	13,000.00	9	20.80	1					
	03-24-86	6,830.00		9.47						
	04-06-86	5,790.00		9.09						
1985	04-08-86	6,020.00		9.18						8
	04-19-86	12,200.00		10.99						
	04-27-86	13,100.00		11.20						
	05-11-86	10,800.00		10.65						
	06-12-86	16,000.00		11.81						
	03-22-87	13,700.00		10.91	2	04-06-87	11.02	04-06-87	1	
	04-06-87	10,100.00		11.02						
	05-26-88	18,000.00		12.08						
	05-22-88	10,000.00		10.38						
	07-02-88	7,340.00		9.58						
1989	09-23-89	7,150.00		9.52	2	03-12-89	16.94	03-12-89	1	0
	06-18-90	7,980.00		10.42						
1990	06-05-91	30,200.00		14.10						0
	05-17-91	7,850.00		10.67						
1991	05-19-91	9,920.00		11.26						6
	05-31-91	12,500.00		11.90						
	06-02-91	15,000.00		12.00						
	06-08-91	18,000.00		12.65						
	06-12-91	7,180.00		10.40						
	02-17-92	7,100.00		9.59	1					
	03-08-93	17,000.00	2	17.14	1					
	03-20-93	12,000.00	2	18.09	1					
	05-03-93	8,170.00		10.82						
	05-09-93	6,150.00		10.10						
1994	06-20-93	6,940.00		24.70						1
	03-04-94	25,000.00		18.71						
	02-20-94	7,500.00								

Table 151. Station 06452250, Fivemile Creek tributary near Iona, South Dakota

Station locator  
 Latitude Longitude  
 Drainage area: 2.35 mi<sup>2</sup>  
 Contributing drainage area: 2.35 mi<sup>2</sup>  
 Gage datum: 432923 0992608  
 Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1970	06-11-70	65.00		3.34						0
1971	03--71	35.00								0
1972	05-11-72	70.00		3.43						0
1973	03-14-73	30.00		3.60	1					0
1974	--74	35.00								0
1975	04--75	10.00								0
1976	--76	1.00								0
1977	04-20-77	36.00		2.72						0
1978	04-29-78	55.00		3.14						0
1979	06-16-79	66.00		3.36						0



**Table 152. Station 06453000, Missouri River at Fort Randall Dam, South Dakota**

Station locator  
 Latitude Longitude  
 430354 0983311

Drainage area: 263,500 mi<sup>2</sup>  
 Contributing drainage area: 263,500 mi<sup>2</sup>  
 Gage datum:  
 Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1948	03-26-48	103,000.00								0
1949	04-06-49	182,000.00								0
1950	04-23-50	249,000.00								0
1951	04-08-51	134,000.00								0
1952	04-12-52	447,000.00								0
1953	06-24-53	109,000.00								0
1954	09-30-54	34,300.00	6							0
1955	08-05-55	41,900.00	6							0
1956	06-14-56	53,400.00	6							0
1957	06-07-57	44,700.00	6							0
1958	08-11-58	42,500.00	6							0
1959	09-16-59	47,400.00	6							0
1960	06-16-60	87,700.00	6							0
1961	07-15-61	45,500.00	6							0
1962	07-25-62	74,400.00	6							0
1963	07-03-63	52,700.00	6							0
1964	07-22-64	43,500.00	6							0
1965	07-09-65	46,600.00	6							0
1966	06-23-66	40,500.00	6							0
1967	07-25-67	46,600.00	6							0
1968	07-15-68	42,700.00	6							0
1969	08-30-69	52,000.00			1,6					0
1970	10-01-69	48,000.00			1,6					0
1971	08-20-71	47,500.00			1,6					0
1972	11-20-71	50,500.00			1,6					0
1973	10-01-72	48,100.00			1,6					0
1974	07-20-74	42,100.00			1,6					0
1975	09-13-75	60,600.00			1,6					0
1976	10-06-75	60,600.00			1,6					0
1977	08-02-77	41,700.00			1,6					0
1978	09-29-78	51,700.00			1,6					0
1979	10-12-78	53,200.00			1,6					0
1980	08-07-80	41,700.00			1,6					0
1981	11-11-80	39,600.00			1,6					0
1982	09-22-82	33,700.00			1,6					0
1983	11-25-82	39,500.00			1,6					0
1984	08-15-84	44,600.00			1,6					0
1985	10-19-84	44,000.00			1,6					0
1986	08-29-86	40,100.00			1,6					0
1987	10-21-86	45,100.00			1,6					0

**Table 153. Station 06453150, Choteau Creek tributary near Tripp, South Dakota**

Station locator Latitude Longitude  
 431420 0980235  
 Drainage area: 0.54 mi<sup>2</sup>  
 Contributing drainage area: 0.54 mi<sup>2</sup>  
 Gage datum:  
 Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water Year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1970	04-18-70	6.00		2.14						0
1971	06-09-71	82.00		4.86						0
1972	05-22-72	177.00		7.14						0
1973	03-14-73	30.00		4.28	1					0
1974	06-21-74	79.00		4.78						0
1975	08-22-75	103.00		5.37						0
1976	02-15-76	5.00		4.68	1					0
1977	03-12-77	8.00		3.22	1					0
1978	05-28-78	29.00		3.30						0
1979	04-12-79	20.00		4.18	1					0

**Table 154.** Station 06453250, Choteau Creek tributary near Wagner, South Dakota

Station locator                      Drainage area:                      15.6    mi<sup>2</sup>  
 Latitude Longitude                Contributing                      drainage area:                      15.6    mi<sup>2</sup>  
 430454 0981904                      Gage datum:                      Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1970	04-15-70	8.00		2.39						0
1971	04-21-71	45.00		3.79						0
1972	02-28-72	25.00		4.00	1					0
1973	03-14-73	50.00		5.36	1					0
1974	02- -74	10.00		3.01	1					0
1975	08-22-75	56.00		4.08						0
1976	02-23-76	8.00		3.00	1					0
1977	08-09-77	129.00		5.49						0
1978	05-28-78	174.00		6.23						0
1979	04- -79	45.00		3.80						0

**Table 155. Station 06453255, Choteau Creek near Avon, South Dakota**

Station locator Latitude Longitude  
 425524 0980621  
 Drainage area: 602 mi<sup>2</sup>  
 Contributing drainage area: 602 mi<sup>2</sup>  
 Gage datum: 1,290.00 ft above sea level  
 Base discharge: 100 ft<sup>3</sup>/s

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1983	04-01-83	703.00		6.24						10
	02-24-83	422.00		5.19						
	03-07-83	388.00	9	5.04						
	03-10-83	316.00		4.71						
	04-13-83	376.00		4.99						
	04-17-83	500.00		5.51						
	05-02-83	427.00		5.21						
	05-05-83	629.00		5.99						
	07-01-83	186.00		4.09						
	07-08-83	178.00		4.05						
1984	08-01-83	101.00		3.45						9
	06-12-84	4,350.00		13.93						
	03-28-84	528.00		5.34						
	04-03-84	827.00		6.58						
	04-08-84	587.00		5.77						
	04-15-84	2,400.00		10.97						
	04-22-84	392.00		5.29						
	05-01-84	968.00		7.39						
	05-28-84	219.00		4.41						
	06-23-84	3,710.00		13.04						
1985	07-10-84	1,380.00		8.49						3
	03-13-85	287.00		4.78						
	03-09-85	243.00		4.54						
	04-24-85	146.00		3.92						
	05-12-85	228.00		4.45						
1986	06-13-86	3,200.00		12.02						14
	03-04-86	406.00		5.27						
	03-22-86	794.00		6.59						
	04-08-86	497.00		5.46						
	04-19-86	2,440.00		10.85						
	04-28-86	1,200.00		7.75						
	05-08-86	3,050.00		11.89						
	05-11-86	785.00		6.43						
	06-22-86	2,530.00		11.02						
	06-29-86	239.00		4.14						
07-08-86	130.00		3.49							
09-16-86	105.00		3.34							

Table 155. Station 06453255, Choteau Creek near Avon, South Dakota—Continued

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since (ft)	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1986	09-19-86	159.00		3.70						
	09-20-86	1,950.00		9.75						
1987	09-24-86	358.00		4.78						
	03-27-87	5,530.00		13.29						6
	03-31-87	1,880.00		9.52						
	05-25-87	168.00		3.67						
	05-29-87	154.00		3.58						
	07-12-87	131.00		3.42						
1988	07-25-87	588.00		5.55						
	09-16-87	207.00		3.88						
	02-28-88	354.00		4.99						1
	09-29-88	118.00		3.57						
1989	03-09-89	300.00		5.21	1				0	
1990	05-24-90	679.00	2	6.30						3
	05-19-90	243.00		4.40						
1991	05-23-90	148.00		3.83						
	06-16-90	268.00		4.55						0
1992	05-30-91	256.00		4.49						0
1993	05-15-92	100.00		3.59	1					0
	05-08-93	5,120.00		13.11						9
1994	03-09-93	1,500.00	2	9.00	1					
	03-12-93	899.00		6.73						
1995	03-19-93	167.00		4.32						
	05-11-93	1,460.00		8.08						
1996	07-04-93	243.00		4.54						
	07-09-93	366.00		4.87						
1997	07-13-93	2,040.00		9.53						
	07-19-93	1,660.00		8.61						
1998	08-23-93	213.00		4.44						
	03-07-94	1,080.00		6.85						3
1999	02-18-94	500.00		6.79	1					
	05-01-94	113.00		3.56						
2000	06-22-94	638.00		5.37						

Table 156. Station 06464100, Keya Paha River near Keyapaha, South Dakota

Drainage area: 466 mi<sup>2</sup>  
 Contributing drainage area: 466 mi<sup>2</sup>  
 Gage datum: 2,230.00 ft above sea level  
 Base discharge: 200 ft<sup>3</sup>/s

Station locator  
 Latitude Longitude  
 430745 1000624

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water Year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1982	02-20-82	800.00		9.45	1					3
	05-15-82	300.00								
1983	05-22-82	250.00		7.47						4
	06-15-82	660.00		7.95						
	05-03-83	820.00								
	05-13-83	500.00								
	06-13-83	399.00		6.12						
1984	06-20-83	390.00		5.69						
	06-27-83	550.00		6.74						
1985	04-09-84	310.00		5.58						0
	03-15-85	215.00		5.46	1					0
1986	05-10-86	575.00		6.89	2		8.63	02-28-86	1	2
	02-28-86	350.00		8.63	1					
	04-17-86	292.00		5.44						
	04-05-87	381.00		5.89	2		6.73	04-03-87	1	2
1987	03-06-87	260.00		5.13						
	04-03-87	300.00		6.73						
1988	03-22-88	636.00		7.26	2		8.25	02-28-88	1	0
1989	07-14-89	127.00		4.16	2		4.76	03-10-89	1	0
1990	07-08-90	143.00		4.48						0
1991	06-05-91	644.00		8.30						1
	05-18-91	225.00		5.49						
1992	08-04-92	133.00		4.60						0
1993	03-07-93	500.00	2	8.58	1					0
1994	03-04-94	780.00		9.23						1
	02-19-94	350.00		7.76						

**Table 157. Station 06464500, Keya Paha River at Wewela, South Dakota**

Station locator  
 Latitude Longitude  
 430144 0994649

Drainage area: 1,070 mi<sup>2</sup>  
 Contributing  
 drainage area: 1,070 mi<sup>2</sup>  
 Gage datum: 2,049.78 ft above sea level  
 Base discharge: 250 ft<sup>3</sup>/s

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1939	03-16-39	378.00								0
1940	04-29-40	239.00								0
1950	03-25-50	2,500.00		13.50	1					0
1951	07-04-51	262.00								0
1952	03-31-52	5,430.00								0
1953	03-15-53	2,020.00		13.08						0
1954	03-22-54	400.00								0
1955	07-29-55	1,880.00								0
1956	03-19-56	460.00								0
	05-04-56	251.00								1
	04-19-57	2,160.00								3
	05-17-57	707.00								
	06-16-57	680.00								
	07-01-57	491.00								
	07-27-58	673.00								5
1958	02-24-58	270.00			1					
	03-26-58	280.00								
	04-08-58	484.00								
	04-25-58	300.00								
	07-31-58	420.00								
1959	05-29-59	497.00								1
	03-19-59	338.00								
1960	03-24-60	4,210.00								4
	04-06-60	700.00								
	04-18-60	272.00								
	04-30-60	292.00								
	05-06-60	634.00								
	05-18-61	156.00								
1961	05-15-62	2,950.00								0
1962	03-29-62	1,300.00								
	05-23-62	880.00								
	05-30-62	1,140.00								
	06-06-62	668.00								
	06-17-62	1,700.00								
	06-23-62	917.00								
	06-26-62	845.00								
	07-01-62	2,290.00								
								02-18-61	1	12
							4.44			

Table 157. Station 06464500, Keya Paha River at Wewela, South Dakota—Continued

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1962	07-05-62	858.00		4.36						
	07-14-62	2,460.00		7.70						
	07-27-62	422.00		3.55						
1963	08-02-62	1,190.00		5.41						
	04-11-63	296.00		2.96	2		3.65	02-08-63	1	1
	03-24-63	288.00		2.93						
1964	04-28-64	539.00		3.85						1
	05-03-64	481.00		3.67						
1965	05-09-65	383.00		3.14						2
	04-04-65	264.00		2.67						
	07-06-65	253.00		2.69						
1966	03-12-66	1,750.00					8.90	03-14-66	1	2
	04-24-66	285.00		2.48						
	07-28-66	368.00		2.75						2
1967	06-16-67	960.00		4.55						2
	06-09-67	730.00		3.99						
	06-30-67	366.00		3.14						
1968	04-09-68	492.00		3.32						3
	04-23-68	344.00		3.01						
	06-10-68	320.00		3.09						
1969	07-01-68	386.00		3.32						
	03-24-69	1,500.00					8.30	03-24-69	1	1
	04-03-69	599.00		3.61						
1970	04-24-70	401.00		3.16						0
1971	03-14-71	600.00					7.76	03-14-71	1	3
1972	03-29-71	450.00								
	04-22-71	294.00		3.09						1
	04-30-71	302.00		3.09						
1973	07-17-72	803.00		4.41						
	05-14-72	515.00		3.77						2
	05-29-73	556.00		3.60	2		3.95	02-24-73	1	2
1974	03-01-73	380.00								
	06-18-73	305.00		2.80						0
	06-10-74	212.00		2.47	2		2.86	01-22-74	1	1
1975	04-09-75	328.00		2.97						
1976	07-23-75	264.00		2.74						
	02-25-76	86.00					2.92	02-18-76	1	0
	06-12-77	1,380.00		5.65						6
1977	03-30-77	531.00		3.76						
	04-08-77	441.00		3.47						
	04-20-77	727.00		4.28						
	05-10-77	531.00		3.76						
	05-24-77	432.00		3.44						
	06-17-77	501.00		3.66						



Table 157. Station 06464500, Keya Paha River at Wewela, South Dakota—Continued

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest gage height since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1978	03-19-78	2,600.00								
	03-16-78	1,600.00		7.71	1		7.71	03-16-78	1	2
	04-20-78	691.00		4.12						
	06-17-79	707.00		4.11	2		4.39	03-14-79	1	0
	04-04-80	200.00		2.26	2		2.39	02-23-80	1	0
	07-02-81	711.00		4.20						
	06-16-82	1,700.00		6.20	2		6.82	02-21-82	1	3
	02-21-82	1,000.00	9	6.82						
	05-16-82	524.00		3.56						
	05-24-82	418.00		3.24						
1983	06-23-83	1,240.00		5.35						
	02-15-83	290.00		3.00	1					10
	03-06-83	413.00		3.16						
	03-31-83	333.00		2.98						
	04-17-83	313.00		2.91						
	05-03-83	1,220.00		5.33						
	05-13-83	784.00		4.42						
	05-20-83	258.00		2.82						
	06-15-83	446.00		3.31						
	06-21-83	820.00		4.50						
1984	07-18-83	824.00		4.51						
	04-14-84	1,120.00		4.86	2		4.97	03-12-84	1	6
	03-22-84	283.00		2.41						
	04-08-84	888.00		4.34						
	04-30-84	306.00		2.71						
	05-12-84	253.00		2.46						
	05-30-84	394.00		3.10						
	06-16-84	273.00		2.67						
	03-16-85	230.00								
	06-11-86	727.00		4.06	2		3.87	03-12-85	1	0
1986	02-28-86	670.00		6.73	1		6.73	02-28-86	1	8
	03-06-86	594.00		3.99						
	03-13-86	290.00		2.93						
	03-18-86	365.00		3.24						
	04-06-86	333.00		3.11						
	04-18-86	471.00		3.69						
	04-30-86	362.00		2.90						
	05-10-86	597.00		3.69						
	03-21-87	1,400.00		5.59						
	03-08-87	278.00		2.50						4
1987	04-05-87	1,170.00		5.05						
	04-14-87	644.00		3.71						
	07-11-87	292.00		2.56						

Table 157. Station 06464500, Keya Paha River at Wewela, South Dakota—Continued

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1988	05-23-88	1,150.00		5.13	2		7.12	03-02-88	1	4
	03-23-88	1,040.00		4.88						
	04-03-88	457.00		3.35						
	04-29-88	425.00		3.14						
1989	05-04-88	727.00		4.05						
	03-16-89	240.00	2	2.78	1,2		3.75	03-13-89	1	0
1990	05-25-90	486.00		3.28						1
	06-03-90	412.00		3.02						
1991	06-06-91	807.00		4.59						2
	05-19-91	282.00		2.84						
	06-01-91	252.00		2.71						
	08-07-92	248.00		2.51						0
1993	03-09-93	2,000.00		7.96	1					3
	04-20-93	276.00	2	2.72						
	05-01-93	445.00		3.40						
	08-16-93	494.00		3.57						
1994	03-04-94	2,000.00		9.67						1
	02-21-94	1,800.00								

**Table 158. Station 06467500, Missouri River at Yankton, South Dakota**

Station locator Latitude Longitude  
 Drainage area: 279,500 mi<sup>2</sup>  
 Contributing drainage area: 279,500 mi<sup>2</sup>  
 Gage datum: 1,139.68 ft above sea level  
 Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1881	04-05-81			50.50	1					0
1931	06-15-31	46,500.00		27.22						0
1932	06-18-32	124,000.00		29.68	2		34.80	03-22-32	1	0
1933	05-29-33	111,000.00					28.64	06-28-33		0
1934	03-03-34	112,000.00		30.30	1					0
1935	07-16-35	130,000.00		28.90						0
1936	06-22-36	102,000.00		27.60	2		27.85	03-21-36	1	0
1937	03-24-37	112,000.00		29.60						0
1938	04-01-38	146,000.00					30.15	07-12-38	1	0
1939	04-01-39	176,000.00		30.10						0
1940	06-15-40	50,800.00		27.42						0
1941	06-14-41	137,000.00		30.29						0
1942	05-15-42	126,000.00		30.20						0
1943	04-08-43	282,000.00		33.60						0
1944	04-09-44	172,700.00		30.82						0
1945	03-22-45	98,300.00		27.63	2		28.20	03-12-45	1	0
1946	06-22-46	87,300.00		28.57						0
1947	04-03-47	176,000.00		31.00						0
1948	03-26-48	110,000.00		28.60	2					0
1949	04-07-49	173,000.00					29.05	03-21-48	1	0
1950	04-24-50	237,000.00		31.60			30.55	04-10-49		0
1951	04-07-51	134,000.00		28.43						0
1952	04-13-52	480,000.00		35.50						0
1953	06-25-53	112,000.00		28.59						0
1954	06-07-54	38,600.00	6	24.79						0
1955	08-25-55	38,500.00	6	24.85	2		25.61	03-11-55	1	0
1956	08-24-56	47,000.00	6	25.05						0
1957	10-02-56	38,600.00	6				24.62	10-10-56		0
1958	10-07-57	35,300.00	6				24.07	10-03-57		0
1959	08-28-59	33,900.00	6				23.59	10-07-58		0
1960	03-29-60	34,700.00	6	23.59						0
1961	07-06-61	31,800.00	6				23.00	11-02-60		0
1962	07-04-62	35,900.00	6	23.33						0
1963	07-25-63	33,800.00	6	22.80						0
1964	08-06-64	34,400.00	6				22.52	08-12-64		0
1965	08-14-65	35,000.00	6	22.66						0
1966	07-21-66	35,800.00	6	22.68						0

Table 158. Station 06467500, Missouri River at Yankton, South Dakota—Continued

Water Year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1967	08-23-67	39,600.00	6	22.76						0
1968	07-16-68	41,200.00	6	22.81						0
1969	08-30-69	56,000.00	6				24.12	09-10-69		0
1970	10-01-69	51,200.00	6	23.62						0
1971	06-17-71	57,200.00	6	23.62						0
1972	08-17-72	61,400.00	6	23.39						0
1973	10-01-72	52,600.00	6	22.57						0
1974	07-24-74	38,000.00	6	20.30						0
1975	09-11-75	64,300.00	6	23.24						0
1976	11-05-75	63,700.00	6	23.07	2		23.17	10-06-75		0
1977	12-02-76	42,000.00	6	19.99	2		20.22	10-01-76		0
1978	08-08-78	53,900.00	6	21.21	2		21.26	09-14-78		0
1979	10-12-78	53,700.00	6	21.29						0
1980	11-30-79	41,600.00	6	19.14						0
1981	11-12-80	38,700.00	6	18.75						0
1982	09-28-82	33,800.00	6	17.67	2		19.48	01-23-82	1	0
1983	12-01-82	45,100.00	6	18.78						0
1984	07-28-84	48,200.00	6	19.15	2		20.30	12-25-83	1	0
1985	10-25-84	48,000.00	6	18.93						0
1986	08-26-86	44,100.00	6	18.25						0
1987	10-21-86	50,500.00	6	18.73						0
1988	08-31-88	39,700.00	6	17.24	2		18.20	02-06-88	1	0
1989	11-02-88	35,400.00	6	16.82						0
1990	09-18-90	33,800.00	6	16.10	2		16.36	12-22-89	1	0
1991	09-03-91	32,400.00	6	16.03	2		16.42	12-24-90	1	0
1992	10-01-91	31,300.00	6	15.87						0
1993	10-09-92	28,500.00	6	15.35						0
1994	09-04-94	32,800.00	6	15.49	2		17.03	01-18-94	1	0

**Table 159. Station 06471000, James River at Columbia, South Dakota**

Station locator  
 Latitude Longitude  
 453613 0981836

Drainage area: 5,857 mi<sup>2</sup>  
 Contributing  
 drainage area: 2,481 mi<sup>2</sup>  
 Gage datum: 1,272.91 ft above sea level  
 Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1946	05-25-46	121.00	6	7.56						0
1947	05-02-47	1,170.00	6				15.20	04-18-47	1	0
1948	05-10-48	1,950.00	6	15.59						0
1949	04-27-49	857.00	6	12.61						0
1950	05-24-50	5,420.00	6	16.89						0
1951	04-21-51	1,040.00	6	13.51						0
1952	04-17-52	3,580.00	6	16.53						0
1953	07-03-53	766.00	6				13.74	06-27-53	1	0
1954	07-06-54	185.00	6				10.08	06-17-54	1	0
1955	07-19-55	143.00	6	8.14						0
1956	06-22-56	237.00	6	8.93						0
1957	04-20-57	93.00	6	7.43						0
1958	04-28-58	216.00	6				9.50	03-10-58	1	0
1959	- -59	0.00	6							0
1960	04-29-60	589.00	6	12.06						0
1961	03-19-61	10.00	6				6.12	05-18-61		0
1962	08-19-62	914.00	6				14.36	08-01-62	1	0
1963	06-15-63	357.00	6	9.54						0
1964	05-11-64	700.00	6				13.91	06-28-64	1	0
1965	05-02-65	837.00	6	13.48						0
1966	04-03-66	2,470.00	6	16.23						0
1967	05-07-67	472.00	6	12.57	1					0
1968	07-04-68	167.00	6	8.03						0
1969	04-22-69	4,670.00	6	17.09						0
1970	12-10-69	417.00	6	9.88						0
1971	07-09-71	145.00	6	8.66						0
1972	04-07-72	708.00	6	12.76	2		13.82	03-23-72	1	0
1973	11-18-72	80.00	1,6				7.00	11-27-72	1	0
1974	07-04-74	128.00	6				8.54	07-15-74		0
1975	07-13-75	1,540.00	6	15.30						0
1976	03-26-76	340.00	6	9.44	1					0
1977	03-18-77	12.00	6	5.21						0
1978	04-10-78	1,180.00	6	14.79	2		15.40	03-30-78	1	0
1979	05-03-79	2,340.00	6	16.15						0
1980	04-16-80	293.00	6	9.22						0
1981	04-06-81	98.00	6	7.04	2		7.36	11-25-80	1	0
1982	04-18-82	960.00	6,9	16.30	1		17.08	04-07-82	1	0

**Table 159. Station 06471000, James River at Columbia, South Dakota—Continued**

Water Year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1983	04-06-83	853.00	6	14.12						0
1984	04-16-84	1,100.00	6	14.75	2		15.44	03-31-84	1	0
1985	04-06-85	179.00	6	7.11	2		7.75	03-16-85	1	0
1986	05-19-86	960.00	6	15.08	1,2		16.64	05-01-86	1	0
1987	04-11-87	1,260.00	6	15.58	2		17.11	03-24-87	1	0
1988	11-18-87	257.00	6	7.56	2		7.74	11-21-87	1	0
1989	04-18-89	866.00	2,6	13.38	1,2		16.93	04-01-89	1	0
1990	03-16-90	5.00	1,2,6				4.99	03-17-90	1	0
1991	07-12-91	120.00	1,2,6				8.43	06-30-91	1	0
1992	09-11-92	35.00	1,6							0
1993	08-19-93	1,160.00	6	15.27	1,2		15.31	08-12-93	1	0
1994	04-26-94	1,350.00	6	15.57	2		17.17	03-23-94	1	0

**Table 160. Station 06471050, Elm River tributary near Leola, South Dakota**

Station locator Latitude Longitude  
 455040 0984603  
 Drainage area: 18.0 mi<sup>2</sup>  
 Contributing drainage area: 18.0 mi<sup>2</sup>  
 Gage datum:  
 Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1956	06-17-56	37.00		3.08						0
1957	08-08-57	41.00		3.74						0
1958	06- -58	87.00		4.89						0
1959	03-25-59	0.00		2.10						0
1960	03-28-60	185.00		6.35						0
1961	04-23-61	6.00		2.63						0
1962	04-02-62	42.00		3.85						0
1963	06-09-63	52.00		4.10						0
1964	05-03-64	418.00		8.62						0
1965	04-06-65	41.00		3.79						0
1966	03-13-66	225.00		6.81						0
1967	04-30-67	52.00		4.15						0
1968	04-20-68	27.00		3.38						0
1969	04-08-69	720.00		11.00						0
1970	04-18-70	36.00		3.64						0
1971	05-24-71	66.00		4.32						0
1972	03-18-72	130.00		6.00						0
1973	03-14-73	30.00		3.77	1					0
1974	05-21-74	46.00		3.87						0
1975	06-21-75	330.00		7.78						0
1976	03-12-76	20.00		4.90	1					0
1977	03-12-77	40.00		4.59	1					0
1978	06-30-78	46.00		3.91						0
1979	04- -79	20.00		3.90	1					0
1980	03- -80	5.00								0

**Table 161. Station 06471200, Maple River at North Dakota-South Dakota State line**

Station locator Latitude Longitude  
 Drainage area: 716 mi<sup>2</sup>  
 Contributing drainage area: 384 mi<sup>2</sup>  
 Gage datum: 1,365.00 ft. above sea level  
 Base discharge: 50.0 ft<sup>3</sup>/s

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1957	07-30-57	49.00			3					0
1958	03-03-58	496.00			3					2
	03-06-58	390.00			3					
	05-16-58	163.00			3					
1959	- -59	0.00			3					0
1960	03-29-60	589.00			3					2
	04-09-60	508.00			3					
	05-29-60	350.00			3					
1961	03-13-61	45.00			3					0
1962	07-09-62	2,030.00		10.97	3					4
	03-30-62	1,500.00			3					
	06-24-62	329.00								
	07-02-62	348.00								
	08-13-62	56.00								
1963	06-07-63	270.00								2
	03-29-63	55.00								
	05-27-63	88.00								
1964	06-26-64	586.00								4
	05-07-64	149.00								
	06-18-64	118.00								
	06-21-64	539.00								
	07-09-64	220.00								
1965	04-13-65	376.00								0
1966	03-16-66	2,620.00			2		7.61	04-08-65	1	3
	04-02-66	245.00								
	08-03-66	1,090.00								
	08-16-66	79.00								
1967	05-03-67	281.00								3
	03-11-67	60.00								
	03-29-67	60.00								
1968	04-23-67	263.00								1
	05-15-68	116.00								
	06-30-68	72.00								
1969	04-11-69	5,930.00			2		16.05	04-11-69	1	2
	05-16-69	91.00								
	06-30-69	60.00								
1970	04-28-70	92.00								0



Table 161. Station 06471200, Maple River at North Dakota-South Dakota State line—Continued

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1971	03-18-71	125.00		5.66	1					3
	06-22-71	61.00		4.66						
	06-30-71	59.00		4.60						
1972	07-04-71	81.00		4.83						
	03-18-72	2,200.00		11.44	1					1
	05-18-72	67.00		4.57						
1973	09-28-73	131.00		5.19	2		5.79	02-18-73	1	0
	03-07-74	194.00		5.47						2
1974	05-24-74	158.00		5.29						
	06-07-74	59.00		4.53						
	07-02-75	944.00		8.71						3
1975	04-22-75	550.00		8.28						
	05-01-75	540.00		7.55						
	06-21-75	661.00		7.98						
	03-22-76	515.00		7.36						1
	02-29-76	60.00								
1977	03-13-77	37.00		4.30	2		5.10	03-20-77	1	0
	03-25-78	1,800.00					14.21	03-24-78	1	4
1978	04-28-78	76.00		4.95						
	05-17-78	80.00		4.98						
1979	06-30-78	174.00		5.99						
	07-03-78	756.00		8.45						
	04-20-79	2,340.00		11.32						0
1980	04-01-80	31.00		4.27						0
1981	07-17-81	188.00		5.97						0
1982	04-02-82	2,280.00	9	11.06						3
	03-14-82	180.00	9							
1983	04-15-82	379.00		6.59						
	05-20-82	81.00		4.72						
	03-09-83	850.00	9	9.76	1					1
1984	04-03-83	196.00	9	5.65						
	03-27-84	1,600.00		10.57	1					1
1985	02-29-84	150.00	9							
	03-20-85	85.00		5.27	1					0
1986	04-22-86	654.00		7.42						3
	03-09-86	180.00	9							
1987	04-30-86	614.00		7.28						
	05-12-86	264.00		6.04						
	03-23-87	1,690.00	9	10.32						4
1988	03-10-87	1,060.00								
	03-28-87	401.00		6.76						
1988	04-04-87	255.00		6.04						
	05-29-87	96.00		5.04						
	- 88	0.00								0

Table 161. Station 06471200, Maple River at North Dakota-South Dakota State line—Continued

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1989	03-29-89	900.00	2	9.00	1					1
1990	04-01-89	530.00		7.27						0
1991	- -90	0.00								4
	05-24-91	174.00		5.65						
	05-18-91	59.00		4.66						
	06-22-91	84.00		4.93						
	06-26-91	126.00		5.29						
	07-21-91	56.00		4.62						
1992	06-26-92	44.00		4.72						0
1993	07-21-93	708.00		9.46						2
	03-28-93	291.00		6.60						
	07-07-93	364.00		7.85						
1994	03-21-94	2,400.00		11.36						3
	04-05-94	376.00		6.43						
	05-01-94	171.00		5.44						
	07-12-94	413.00		6.83						

**Table 162. Station 06471350, Maple River at Frederick, South Dakota**

Station locator  
 Latitude Longitude  
 Drainage area: 755 mi<sup>2</sup>  
 Contributing drainage area: 423 mi<sup>2</sup>  
 Gage datum: 454957 0983045  
 Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water Year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1956	05- -56	44.00		6.45						0
1957	07-31-57	48.00		6.47						0
1958	03-04-58	250.00		7.18						0
1959	- -59	0.00								0
1960	03-30-60	770.00		8.14						0
1961	03-30-61	35.00		6.39						0
1962	07-10-62	2,800.00		9.72						0
1963	07-26-63	200.00		7.03						0
1964	06-27-64	500.00		7.74						0
1965	04-04-65	325.00		7.40						0
1966	03-17-66	3,000.00		12.70						0
1967	04-30-67	220.00		7.06						0
1968	05-15-68	200.00		6.75						0
1969	04-11-69	6,000.00		13.20	2		14.30	04-11-69	1	0

**Table 163. Station 06471400, Willow Creek tributary near Leola, South Dakota**

Station locator Latitude Longitude  
 454410 0984545  
 Drainage area: Contributing drainage area: 6.69 mi<sup>2</sup>  
 6.69 mi<sup>2</sup>  
 Gage datum: Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water Year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1956	-56	0.00								0
1957	08-08-57	15.00		1.85						0
1958	03-04-58	23.00		2.18						0
1959	03-59	0.00		1.09	1					0
1960	03-30-60	25.00		2.25						0
1961	-61	0.00								0
1962	07-04-62	20.00		2.07						0
1963	06-09-63	7.00		1.51						0
1964	05-03-64	33.00		2.58						0
1965	04-05-65	20.00		2.82	1					0
1966	03-13-66	30.00		3.23	1					0
1967	06-06-67	11.00		1.67						0
1968	04-20-68	21.00		2.09						0
1969	04-09-69	260.00		4.81						0
1970	04-18-70	8.00		1.54						0
1971	05-24-71	52.00		2.72						0
1972	03-18-72	30.00		4.46						0
1973	03-14-73	8.00		1.65	1					0
1974	05-21-74	12.00		1.70						0
1975	06-21-75	70.00		2.91						0
1976	03-12-76	5.00		2.07	1					0
1977	03-12-77	20.00		2.60	1					0
1978	03-26-78	58.00		2.60						0
1979	04-79	6.00		1.46						0
1980	03-80	10.00		1.76	1					0

**Table 164. Station 06471450, Willow Creek tributary near Barnard, South Dakota**

Station locator  
 Latitude Longitude  
 454412 0983742

Drainage area: 0.26 mi<sup>2</sup>  
 Contributing drainage area: 0.26 mi<sup>2</sup>  
 Gage datum:  
 Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1956	- -56	0.00								0
1957	- -57	0.00								0
1958	03-04-58	14.00								0
1959	02- -59	1.00								0
1960	04-05-60	20.00								0
1961	- -61	0.00								0
1962	07-04-62	9.00								0
1963	06-09-63	8.00								0
1964	05-03-64	5.00								0
1965	04-05-65	3.00								0
1966	03-13-66	15.00								0
1967	03- -67	4.00								0
1968	06-21-68	5.00		3.44						0
1969	04-09-69	78.00		6.93						0
1970	04-21-70	4.00		3.30						0
1971	04- -71	20.00		4.87	1					0
1972	03-18-72	25.00		6.89	1					0
1973	03-14-73	10.00		4.76	1					0
1974	03-29-74	5.00		4.15	1					0
1975	04-08-75	25.00		6.49	1					0
1976	04-03-76	1.00		4.28	1					0

Table 165. Station 06471500, Elm River at Westport, South Dakota

Station locator  
Latitude Longitude  
453922 0982948

Drainage area: 1,493 mi<sup>2</sup>  
Contributing drainage area: 1,049 mi<sup>2</sup>  
Gage datum: 1,309.30 ft above sea level  
Base discharge: 100 ft<sup>3</sup>/s

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water Year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since (ft)	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1947	04-14-47	2,100.00		11.45						0
1948	03-29-48	2,870.00		12.51						1
1949	03-13-48	400.00		8.27	1					
	04-02-49	840.00		8.20	2	8.25	8.25	03-12-49	1	1
1950	03-12-49	450.00		8.25	1					
	05-11-50	1,870.00		10.79	2					
	03-28-50	400.00		8.12	1		11.74	04-06-50	1	4
	04-06-50	1,400.00		11.74	1					
1951	04-20-50	314.00		6.50						
	05-23-50	329.00		6.76						
1951	04-02-51	550.00		9.40	1					0
1952	04-08-52	7,520.00		20.10						0
1953	06-20-53	1,420.00		10.00						2
	03-19-53	700.00		8.68	1					
1954	06-24-53	1,320.00		9.73						0
	06-14-54	1,560.00		10.50						4
1955	07-16-55	453.00	5	7.08	2	7.62	7.62	03-19-55	1	
	03-12-55	160.00	5	6.40	1					
1956	03-19-55	300.00	5	7.62	1					
	04-04-55	168.00	5	5.91						
1957	07-12-55	220.00	5	6.12						0
	04-15-56	111.00	5	5.56	2					0
1958	09-03-57	89.00	5	5.54						3
	03-04-58	1,060.00	5	9.20						
1959	02-28-58	537.00	5	7.52						
	03-07-58	676.00	5	7.98						
1960	05-17-58	207.00	5	6.26						0
	07-15-59	39.00	5	4.95						2
1961	04-09-60	1,170.00	5	8.88	2		11.26	03-29-60	1	
	03-29-60	1,100.00	5	11.26	1					
1962	05-30-60	549.00	5	7.17						0
	03-28-61	34.00	5	4.89						4
1963	07-10-62	2,670.00	5	12.85	2		13.56	03-31-62	1	
	03-31-62	2,100.00	5	13.52	1					
1963	06-20-62	343.00	5	6.58						
	06-25-62	645.00	5	7.53						
1963	07-23-62	396.00	5	6.70						
	06-09-63	348.00	5	6.78						1
1963	05-29-63	151.00	5	5.80						

Table 165. Station 06471500, Elm River at Westport, South Dakota—Continued

Water Year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1964	06-22-64	2,660.00	5	13.09						2
	05-05-64	2,090.00	5	11.43						
	07-09-64	1,750.00	5	10.71						
1965	04-09-65	845.00	5	9.82	1					1
	05-29-65	123.00	5	5.57						
1966	03-17-66	5,020.00	5	17.40						1
	08-04-66	904.00	5	8.08						
1967	05-05-67	542.00	5	7.15						1
	04-24-67	430.00	5	6.78						
1968	05-18-68	126.00	5	5.65						0
1969	04-10-69	12,600.00	5	22.11						3
	05-19-69	118.00	5	5.67						
1970	06-30-69	406.00	5	6.93						
	08-04-69	102.00	5	5.57						0
1971	04-29-70	91.00	5	5.46						2
	07-04-71	254.00	5	6.35						
1972	03-14-71	184.00	5	6.05						
	03-20-71	239.00	5	6.31	1					1
1973	03-19-72	4,000.00	5	15.86						
	05-16-72	209.00	5	5.97						
1974	07-01-73	24.00	5	4.77	2		4.79	03-26-73		0
	03-11-74	138.00	5	5.79						2
1975	03-03-74	128.00	5	5.73						
	05-26-74	120.00	5	5.65						
1976	06-23-75	3,950.00	5	14.79	1					3
	04-23-75	848.00	5	7.92						
1977	04-27-75	691.00	5	7.64						
	07-03-75	1,020.00	5	8.70						1
1978	03-23-76	472.00	5	7.04						
	03-03-76	117.00	5	5.52						0
1979	03-17-77	67.00	5	4.96						4
	03-28-78	3,700.00	5	17.20	2		17.25	03-27-78	1	
1980	05-15-78	217.00	5	5.98						
	06-16-78	186.00	5	5.86						
1981	06-30-78	370.00	5	6.68						
	07-04-78	1,390.00	5	9.70						0
1982	04-21-79	3,350.00	5	13.95						0
	03-30-80	35.00	5							0
1983	07-20-81	122.00	5	5.53						0
	04-03-82	4,300.00	5,9	16.24	1					3
1984	03-16-82	140.00	5,9	5.99	1					
	03-25-82	240.00	5,9	6.68	1					
	04-16-82	769.00	5,9	7.86						

Table 165. Station 06471500, Elm River at Westport, South Dakota—Continued

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since (ft)	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1983	03-10-83	1,050.00	5,9	9.31	1					1
	04-04-83	409.00	5	6.72						
1984	03-29-84	1,650.00	5,9	11.94	1					2
	02-23-84	160.00	5,9							
1985	03-03-84	160.00	5,9							0
	03-21-85	75.00	5	5.12						
1986	04-30-86	1,520.00	5	9.94						6
	03-15-86	750.00	5,9							
	04-06-86	109.00	5	5.26						
	04-14-86	123.00	5	5.33						
	04-15-86	131.00	5	5.37						
	04-23-86	1,270.00	5	9.31						
1987	05-11-86	1,510.00	5	9.92						
	03-24-87	3,450.00	5	13.87						1
1988	03-11-87	1,150.00	5	9.33						
	05-16-88	39.00	5	4.61						0
1989	03-28-89	3,300.00	2,5	15.02	1					0
1990	08-26-90	25.00	5	4.50						0
1991	06-28-91	238.00	5	6.06						0
1992	05-25-91	169.00	5	5.72						1
	09-06-92	59.00	5	4.98						0
1993	07-22-93	923.00	5	8.91						
	03-16-93	350.00	2,5	6.90	1					7
	04-01-93	358.00	5	6.51						
	07-09-93	238.00	5	6.24						
	07-16-93	268.00	5	6.38						
	07-29-93	627.00	5	7.91						
1994	08-11-93	380.00	5	6.84						
	08-29-93	253.00	5	6.19						
	03-22-94	3,290.00	5	13.62	2	15.75	15.75	03-18-94	1	4
	04-06-94	591.00	5	7.19						
	04-27-94	458.00	5	6.73						
	05-03-94	307.00	5	6.14						
	07-13-94	508.00	5	7.03						



**Table 166. Station 06472000, James River near Stratford, South Dakota**

Station Locator      Drainage area: 8,865      mi<sup>2</sup>  
Latitude Longitude      Contributing  
                                  drainage area: 4,860      mi<sup>2</sup>  
 451430 0982328      Gage datum: 1,254.29      ft. above sea level  
                                  Base discharge: 125      ft<sup>3</sup>/s

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1950	05-14-50	5,580.00								0
1951	05-09-51	870.00								0
1952	04-19-52	4,970.00		18.13						0
1953	07-13-53	718.00		15.16						0
1954	06-28-54	321.00		11.33						0
1955	07-28-55	185.00		9.63						0
1956	07-06-56	177.00		9.55						0
1957	06-18-57	153.00		9.06						0
1958	03-26-58	277.00		12.25	1					0
1959	- -59	0.00								0
1960	05-12-60	362.00		13.76			6.01	05-30-61		0
1961	04-07-61	14.00					15.77	08-14-62		0
1962	08-12-62	861.00								0
1963	06-28-63	314.00		11.65						0
1964	07-23-64	650.00		14.62						0
1965	05-23-65	816.00		15.33						0
1966	04-10-66	2,400.00		16.75						0
1967	05-16-67	656.00		14.90						0
1968	05-27-68	245.00		10.18						0
1969	04-24-69	4,880.00		18.10	2		18.18	04-24-69	1	0
1970	04-28-70	389.00		12.47						0
1971	07-16-71	198.00		9.81						0
1972	04-12-72	982.00		15.44						0
1977	04-10-77	29.00	1							0

**Table 167. Station 06472200, Mud Creek tributary near Groton, South Dakota**

Station locator  
 Latitude Longitude  
 452637 0980222

Drainage area: 56.7 mi<sup>2</sup>  
 Contributing drainage area: 56.7 mi<sup>2</sup>  
 Gage datum:  
 Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1960	03-28-60	177.00		4.37						0
1961	03-15-61	15.00		2.56	1					0
1962	07-01-62	140.00		4.60	1					0
1963	06-09-63	8.00		1.99						0
1964	05-03-64	6.00		2.99	1					0
1965	05-23-65	120.00		4.52	1					0
1966	03-12-66	175.00		4.90	1					0
1967	04-20-67	66.00		4.05						0
1968	05-31-68	1.00		2.46						0
1969	04-08-69	250.00		5.26						0
1974	- -74	10.00								0
1975	06-21-75	5.00		1.73						0
1976	03-12-76	10.00		3.01	1					0
1977	03-12-77	5.00		4.22	1					0
1978	03-28-78	208.00		4.38						0
1979	04-10-79	50.00								0
1980	03- -80	15.00		3.14	1					0

**Table 168.** Station 06472250, Mud Creek tributary No. 2 near Groton, South Dakota

Station locator  
 Latitude Longitude  
 452636 0980252

Drainage area: 75.8 mi<sup>2</sup>  
 Contributing drainage area: 75.8 mi<sup>2</sup>  
 Gage datum:  
 Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1960	03-28-60	235.00		5.42						0
1961	03-15-61	25.00		3.22						0
1962	03-29-62	167.00		5.08						0
1963	06-09-63	4.00		1.99						0
1964	04-05-64	6.00		3.05	1					0
1965	05-23-65	102.00		4.78						0
1966	03-12-66	272.00		5.54						0
1967	04-20-67	60.00		4.20						0
1968	04-30-68	10.00		2.40						0
1969	04-08-69	310.00		5.60						0
1970	04-27-70	25.00		3.19						0
1971	04-08-71	78.00		4.48						0
1972	03-12-72	50.00		4.51	1					0
1973	05-24-73	56.00		4.15						0
1974	07-02-74	14.00		2.63						0
1975	06-21-75	8.00		2.29						0
1976	03-12-76	7.00		2.72	1					0
1977	04-18-77	2.00		1.82						0
1978	03-28-78	270.00		5.40						0
1979	06-20-79	58.00		4.19						0
1980	06-13-80	22.00		3.06						0

**Table 169.** Station 06472500, Mud Creek near Stratford, South Dakota

Station locator Latitude Longitude  
 451613 0981716  
 Drainage area: 738 mi<sup>2</sup>  
 Contributing drainage area: 674 mi<sup>2</sup>  
 Gage datum: 1,270.00 ft above sea level  
 Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1956	04-15-56	12.00								0
1957	03-28-57	95.00								0
1958	- -58	2.00								0
1959	04-04-59	2.00								0
1960	04-04-60	196.00								0
1961	05-14-61	7.00								0
1962	03-28-62	637.00								0
1963	06-01-63	10.00								0
1964	05-04-64	14.00								0
1965	05-29-65	203.00								0
1966	03-20-66	331.00		5.06						0
1967	04-22-67	183.00		6.46						0
1968	04-22-68	22.00		4.64			2.94	04-13-68	1	0
1969	04-10-69	1,180.00		7.92						0
1970	04-26-70	64.00		3.50						0
1971	03-20-71	55.00		3.85	1					0
1972	08-03-72	501.00		7.35						0
1973	03-12-73	62.00		3.48						0
1977	- -77	1.00		2.30						0

**Table 170. Station 06473000, James River at Ashton, South Dakota**

Station Location  
 Latitude Longitude  
 450002 0982857

Drainage area: 9,742 mi<sup>2</sup>  
 Contributing drainage area: 5,673 mi<sup>2</sup>  
 Gage datum: 1,244.40 ft above sea level  
 Base discharge: 200 ft<sup>3</sup>/s

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water Year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1946	03-28-46	494.00								0
1947	05-22-47	786.00								0
1948	05-16-48	1,110.00								0
1949	05-21-49	579.00								0
1950	05-19-50	5,170.00								0
1951	05-18-51	840.00								0
1952	04-23-52	4,860.00								0
1953	08-04-53	1,000.00								0
1954	06-30-54	317.00								0
1955	07-30-55	194.00								0
1956	07-07-56	204.00								0
1957	06-22-57	170.00								0
1958	03-30-58	373.00		7.46						0
1959	- -59	0.00								0
1960	04-10-60	520.00		12.04	2		12.96	04-04-60	1	0
1961	05-25-61	16.00		4.52						0
1962	08-30-62	805.00		10.08	2		12.37	04-03-62	1	0
1963	06-30-63	320.00		6.51						0
1964	07-28-64	663.00		8.60						0
1965	05-28-65	900.00		10.19						0
1966	04-14-66	2,170.00		15.16						0
1967	05-11-67	722.00		9.24	2		9.26	05-16-67		0
1968	05-30-68	259.00		5.99						0
1969	04-24-69	5,680.00		20.63	2		21.17	04-13-69	1	0
1970	04-28-70	444.00		7.66						0
1971	07-19-71	195.00		5.43	2		5.49	03-31-71		0
1972	04-19-72	800.00		9.95	2		11.21	03-20-72	1	0
1973	03-17-73	130.00		5.22	1					0
1974	06-10-74	132.00		5.12						0
1975	08-09-75	1,130.00	1							0
1976	04-07-76	393.00		6.87						0
1977	03-16-77	98.00		5.21	1					0
1978	04-18-78	1,680.00		14.06	2		16.17	04-02-78	1	0
1979	05-18-79	2,060.00		14.86						0
1980	11-13-79	295.00								0
1981	04-16-81	68.00		4.13	2		6.51	11-29-79	1	0
1982	05-05-82	1,000.00	9	11.03			4.93	12-01-80	1	0

Table 170. Station 06473000, James River at Ashton, South Dakota—Continued

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1983	04-24-83	828.00		10.02						0
1984	05-06-84	1,170.00		11.47						0
1985	03-22-85	750.00		10.33	1					0
1986	05-10-86	1,930.00		16.74	1					0
1987	04-25-87	1,370.00		12.52						0
1988	12-11-87	320.00		5.78						0
1989	04-20-89	1,330.00	2	12.85	1,2		14.97	04-01-89	1	0
1990	07-28-90	259.00		6.09						0
1991	05-29-91	300.00	1,2				8.99	06-10-91	1	0
1992	07-01-92	360.00		7.22						0
1993	09-10-93	1,390.00	2	12.92	1,2		13.49	08-01-93	1	0
1994	04-02-94	2,410.00		16.23	2		17.95	03-23-94	1	0

**Table 171. Station 06473300, Preachers Run tributary at Ipswich, South Dakota**

Station locator Latitude Longitude  
 Drainage area: 7.88 mi<sup>2</sup>  
 Contributing drainage area: 7.88 mi<sup>2</sup>  
 Gage datum: 452708 0990145  
 Base discharge: 4.00 ft<sup>3</sup>/s

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1971	06-21-71	6.00		2.66						0
1972	03-17-72	25.00		5.74	1					0
1973	- -73	37.00	4	3.80						0
1974	05-21-74	33.00		3.71						0
1975	06-19-75	10.00		2.91						0
1976	- -76	5.00								0
1977	03-12-77	15.00		3.80	1					0
1978	03-24-78	50.00		7.42	1					0
1979	06-20-79	15.00	2							0
1980	04- -80	3.00								0

Table 172. Station 06473350, South Fork Snake Creek tributary near Seneca, South Dakota

Station locator Latitude Longitude  
 450300 0992336  
 Drainage area: 4.54 mi<sup>2</sup>  
 Contributing drainage area: 4.54 mi<sup>2</sup>  
 Gage datum: Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water Year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1971	09-04-71	21.00		3.17						0
1972	03-17-72	50.00		7.39	1					0
1973	03-14-73	30.00		4.96	1					0
1974	05-20-74	22.00		3.20						0
1975	06-19-75	12.00		2.84						0
1976	04-16-76	10.00		4.26	1					0
1977	03-12-77	25.00		4.07	1					0
1978	03- -78	40.00		9.90	1					0
1979	04- -79	5.00		3.25						0
1980	- -80	0.00								0



**Table 173. Station 06473500, South Fork Snake Creek near Athol, South Dakota**

Station locator  
 Latitude Longitude  
 450304 0984414

Drainage area: 1,743 mi<sup>2</sup>  
 Contributing drainage area: 1,695 mi<sup>2</sup>  
 Gage datum: 1,316.05 ft above sea level  
 Base discharge: 75.0 ft<sup>3</sup>/s

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water Year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1950	04-03-50	395.00								1
	05-12-50	102.00								0
1951	03-28-51	70.00								1
1952	04-09-52	2,200.00		16.42	1					4
	04-28-52	88.00		13.99						
1953	07-30-53	955.00								
	03-23-53	480.00								
	06-20-53	153.00								
	08-06-53	601.00								
	08-11-53	416.00								
1954	06-08-54	63.00		9.37						0
1955	03-12-55	290.00		11.88	1					0
1956	06-17-56	8.00		7.44						0
1957	06-16-57	49.00		8.98						0
1958	03-26-58	28.00		8.67						0
1959	- -59	0.00								0
1960	04-08-60	1,170.00		13.78						1
	04-03-60	650.00								0
1961	- -61	0.00								2
1962	03-29-62	870.00		14.05	1					
	04-02-62	270.00								
	06-16-62	155.00								
1963	06-16-63	7.00		7.58						0
1964	05-06-64	97.00		8.82						0
1965	05-14-65	8.00		7.64						0
1966	03-18-66	970.00		13.95						1
	06-24-66	165.00		10.67						
1967	03-11-67	135.00					11.21	03-14-67	1	1
	06-22-67	78.00		9.96						0
1968	04-24-68	54.00		9.25						2
1969	04-07-69	6,810.00		19.03	2		19.15	04-07-69	1	
	06-28-69	280.00		11.86						
	07-10-69	157.00		11.01						
1970	04-20-70	40.00		9.73			8.55	03-14-71		0
1971	03-15-71	10.00		8.54	2					0
1972	03-17-72	1,210.00		14.76	1					2
	05-07-72	81.00		10.15						
	05-16-72	89.00		10.25						
1973	03-09-73	47.00		9.65						0

**Table 174. Station 06473700, Snake Creek near Ashton, South Dakota**

Station locator      Drainage area: 2,657      mi<sup>2</sup>  
 Latitude Longitude      Contributing  
                                  drainage area: 2,609      mi<sup>2</sup>  
                                  Gage datum: 1,265.00      ft. above sea level  
                                  Base discharge: 75.0      ft<sup>3</sup>/s

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1956	06-29-56	16.00								0
1957	06-28-57	77.00								0
1958	03-29-58	112.00		7.60						0
1959	- -59	0.00								0
1960	04-09-60	1,150.00								1
	04-02-60	897.00								0
1961	03-21-61	16.00			1					2
1962	03-31-62	891.00								0
	05-22-62	132.00								0
	06-20-62	256.00								0
1963	04-30-63	3.00								0
1964	05-12-64	134.00								1
	05-06-64	117.00								0
1965	05-24-65	121.00								0
1966	03-20-66	1,210.00								2
	06-28-66	96.00								0
	07-17-66	249.00								0
1967	03-11-67	180.00					10.15	03-09-67		1
	06-25-67	92.00								0
1968	04-25-68	127.00								0
1969	04-10-69	6,980.00								5
	05-04-69	254.00								0
	05-10-69	292.00								0
	05-17-69	203.00								0
	06-30-69	143.00								0
	07-17-69	226.00								0
1970	04-20-70	178.00								0
1971	03-15-71	20.00								0
1972	03-19-72	1,410.00								0
1977	03-16-77	144.00								0
1978	03-31-78	3,030.00								3
	05-08-78	85.00								0
	06-03-78	167.00								0
	07-11-78	121.00								0
1979	03-23-79	150.00								0
	04-24-79	108.00								2
	09-05-79	90.00								0

Table 174. Station 06473700, Snake Creek near Ashton, South Dakota—Continued

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1985	03-21-85	675.00		7.66						0
1986	05-01-86	1,540.00		11.36	2		11.95	03-16-86	1	5
	03-16-86	1,350.00		11.95	1					
	04-14-86	281.00		5.98						
	05-09-86	1,090.00	2							
1987	06-10-86	132.00		5.18						
	06-29-86	92.00		4.77						0
	04-03-87	128.00		5.21						0
1988	- -88	0.00							0	
1989	03-30-89	2,740.00		12.87						0

Table 175. Station 06473750, Wolf Creek near Ree Heights, South Dakota

Station locator Latitude Longitude  
 443625 0991354  
 Drainage area: 334 mi<sup>2</sup>  
 Contributing drainage area: 334 mi<sup>2</sup>  
 Gage datum: 1,614.16 ft above sea level  
 Base discharge: 40.0 ft<sup>3</sup>/s

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1960	03-30-60	842.00	5	9.18						0
1961	05-17-61	8.00	5	4.15						0
1962	08-10-62	23.00	5	5.44	2		6.98	03-27-62	1	0
1963	- -63	0.00	5							0
1964	- -64	0.00	5							0
1965	06-02-65	9.00	5	5.44						0
1966	03-18-66	395.00	5	7.98	2		9.57	03-14-66	1	2
	03-28-66	76.00	5	6.35						
	04-07-66	149.00	5	6.81						
1967	04-01-67	121.00	5	6.83	2		7.15	03-12-67	1	2
	03-28-67	58.00	5	6.41						
	06-18-67	96.00	5	6.66						
1968	08-07-68	17.00	5	5.78						0
1969	04-05-69	990.00	5	9.33						2
	04-16-69	168.00	5	6.81						
	04-28-69	84.00	5	6.28						
1970	04-19-70	51.00	5	6.16						1
	04-30-70	50.00	5	6.00						0
1971	- -71	0.00	5							0
1972	03-17-72	210.00	5	7.52						1
	05-13-72	40.00	5	6.16						
1973	03-21-73	22.00	5	6.11	2		6.17	03-07-73		0
1974	- -74	0.00	5							0
1975	05-14-75	18.00	5	5.89	2		6.86	04-14-75	1	0
1976	- -76	0.00	5							0
1977	03-30-77	1.00	5	4.89						0
1978	03-25-78	334.00	5	7.83						3
	04-23-78	54.00	5	6.07						
	05-04-78	123.00	5	6.57						
	05-30-78	58.00	5	6.16						
1979	- -79	0.00	5							0
1980	- -80	0.00	5							0
1981	- -81	0.00	5							0
1985	03-27-85	183.00	5	6.96	2		7.19	03-15-85	1	1
	03-15-85	70.00	5	7.19	1					
1986	04-17-86	397.00	5	7.93						2
	03-14-86	222.00	5	7.37						
	04-28-86	202.00	5	6.98						
1987	03-31-87	8.60	5	5.40						0
1988	00-00-88	0.00	5							0
1989	04-08-89	60.00	5	6.03	2		6.40	03-24-89	1	0

**Table 176.** Station 06473800, Matter Creek tributary near Orient, South Dakota

Station locator Latitude Longitude  
 444808 0990406  
 Drainage area: 5.41 mi<sup>2</sup>  
 Contributing drainage area: 5.41 mi<sup>2</sup>  
 Gage datum: 1,535.00 ft above sea level  
 Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1956	06-15-56	9.00		3.08						0
1957	07-03-57	53.00		4.83						0
1958	02-27-58	18.00		3.60						0
1959	- -59	0.00								0
1960	03-30-60	325.00		7.41						0
1961	- -61	0.00								0
1962	03-27-62	80.00		6.34	1					0
1963	04-16-63	0.00		2.08						0
1964	05-03-64	0.00		2.56						0
1965	05-15-65	2.00		2.75						0
1966	07- -66	210.00		6.10						0
1967	03-08-67	35.00		4.78	1					0
1968	07-26-68	4.00		2.84						0
1969	04-03-69	410.00		9.01						0
1970	04-20-70	60.00		3.74						0
1971	04- -71	3.00		2.99	1					0

**Table 177. Station 06473820, Shaefer Creek near Orient, South Dakota**

Station Locator  
 Latitude Longitude  
 444646 0990239

Drainage area: 51.6 mi<sup>2</sup>  
 Contributing drainage area: 51.3 mi<sup>2</sup>  
 Gage datum: 1,495.00 ft above sea level  
 Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water Year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since gage height (ft)	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1956	-56	8.00								0
1957	07-03-57	250.00		3.24						0
1958	02-27-58	68.00		2.64						0
1959	-59	0.00								0
1960	03-30-60	870.00		5.12						0
1961	05-17-61	10.00		1.80						0
1962	03-27-62	190.00		5.47	1					0
1963	07-26-63	18.00		1.98						0
1964	05-03-64	82.00		2.76						0
1965	05-15-65	102.00		2.91						0
1966	07-13-66	550.00		4.18						0
1967	03-25-67	70.00		3.72	1					0
1968	07-26-68	35.00		2.26						0
1969	04-03-69	1,280.00		5.98						0
1970	04-20-70	76.00		2.66						0
1971	04-27-71	18.00		1.98						0
1972	07-08-72	555.00		4.21						0
1973	03-14-73	150.00		3.50	1					0
1974	04-74	3.00								0
1975	04-17-75	50.00		2.60	1					0
1976	03-20-76	35.00		2.40	1					0
1977	03-12-77	11.00								0
1978	08-28-78	380.00		3.65						0
1979	06-20-79	105.00		2.84						0
1980	04-08-80	10.00		1.82						0

**Table 178.** Station 06473850, Shaefer Creek tributary near Orient, South Dakota

Station locator      Drainage area:      5.17 mi<sup>2</sup>  
 Latitude Longitude      Contributing  
 444349 0985917      drainage area:      5.17 mi<sup>2</sup>  
                                  Gage datum:  
                                  Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1956	06-15-56	24.00		3.50						0
1957	07-03-57	93.00		4.47						0
1958	02-27-58	15.00		3.37						0
1959	- -59	0.00								0
1960	03-30-60	221.00		6.12						0
1961	05-17-61	1.00		3.01						0
1962	03-27-62	100.00		5.67	1					0
1963	07-26-63	32.00		3.62						0
1964	05-03-64	9.00		3.29						0
1965	05-15-65	38.00		3.70						0
1966	03-14-66	50.00		9.94	1					0
1967	06-18-67	42.00		3.74						0
1968	07-26-68	68.00		4.12						0
1969	04-03-69	350.00		7.98						0
1970	04-20-70	15.00		3.36						0
1971	06-07-71	6.00		3.22						0
1972	07-08-72	130.00		4.92						0
1973	03-14-73	75.00		5.77	1					0
1974	- -74	8.00								0
1975	06-21-75	12.00		3.32						0
1976	04-16-76	5.00		3.64	1					0
1977	03-12-77	20.00		4.83	1					0
1978	05-07-78	55.00		3.91						0
1979	04-11-79	100.00		5.21	1					0
1980	06- -80	3.00								0

**Table 179. Station 06473880, Shaefer Creek tributary near Miller, South Dakota**

Station locator Latitude Longitude  
 444220 0985917  
 Drainage area: 5.95 mi<sup>2</sup>  
 Contributing drainage area: 5.95 mi<sup>2</sup>  
 Gage datum: 1,455.74 ft above sea level  
 Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1956	06-15-56	45.00		3.49						0
1957	05-20-57	10.00		3.04						0
1958	05--58	10.00		3.04						0
1959	--59	0.00								0
1960	03-30-60	120.00		4.61						0
1961	05-17-61	6.00		2.94						0
1962	06-16-62	50.00		3.53						0
1963	07-26-63	2.00		2.82						0
1964	05-03-64	25.00		3.25						0
1965	05-15-65	4.00		2.91						0
1966	03-14-66	20.00		3.72	1					0
1967	06-15-67	120.00		4.61						0
1968	07-26-68	7.00		3.02						0
1969	04-03-69	265.00		6.40						0
1970	04-20-70	23.00		3.24						0
1971	04-27-71	2.00		2.92						0
1972	07-08-72	85.00		4.14						0
1973	05-27-73	10.00		3.07						0
1974	05-21-74	2.00		2.91						0
1975	04-17-75	20.00		3.44	1					0
1976	03-20-76	5.00		3.15	1					0
1977	03-12-77	35.00		5.47	1					0
1978	05-07-78	125.00		4.70						0
1979	08-28-79	116.00		4.60						0
1980	06-04-80	1.00		2.73						0



**Table 180. Station 06474000, Turtle Creek near Tulare, South Dakota**

Drainage area: 1,124 mi<sup>2</sup>  
 Contributing drainage area: 1,124 mi<sup>2</sup>  
 Gage datum: 1,300.00 ft above sea level  
 Base discharge: 50.0 ft<sup>3</sup>/s

Station locator  
 Latitude Longitude  
 444406 0983509

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water Year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1954	03-22-54	8.00	1				4.03	02-03-54	1	0
1955	03-13-55	419.00		8.90						0
1956	04-06-56	7.00		3.71	2		4.65	06-22-56		0
1966	03-16-66	1,980.00		12.10						1
	04-14-66	79.00		5.69						
1967	03-14-67	250.00		8.52	1					3
	03-25-67	222.00		7.13						
	06-23-67	219.00		7.08						
	07-09-67	60.00		5.55						
1968	04-23-68	17.00		5.03						0
1969	04-05-69	6,000.00		18.51	1					0
1970	03-04-70	132.00		6.14						1
	04-23-70	129.00		6.09						
1971	03-22-71	27.00		5.05						0
1972	03-17-72	1,200.00		11.84	1					2
	05-15-72	215.00		6.72						
	05-18-72	239.00		6.90						
1973	03-02-73	610.00		10.35	1					0
1974	05-29-74	1.00		4.29			5.11	04-10-75	1	0
1975	04-18-75	23.00		4.41	2					0
1976	- -76	0.00								0
1977	03-25-77	22.00		4.07	2		5.25	03-15-77	1	0
1978	03-23-78	3,800.00		16.17	1					2
	05-10-78	81.00		5.87						
	06-02-78	117.00		6.55						
1979	04-26-79	87.00		5.77						0
1980	04-09-80	0.57		4.09						0
1981	- -81	0.00								0
1985	03-20-85	800.00		11.19	1					0
1986	04-30-86	1,530.00		10.67	2		14.05	03-07-86	1	9
	03-08-86	1,450.00	1,2							
	04-21-86	1,410.00		10.91						
	05-11-86	1,260.00		10.04						
	06-10-86	110.00	1,2							
	07-10-86	53.00		5.19						
	07-26-86	469.00		7.60						
	09-04-86	70.00		5.36						
	09-21-86	58.00		5.24						
	09-26-86	95.00		5.58						

**Table 180. Station 06474000, Turtle Creek near Tulare, South Dakota—Continued**

Water Year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1987	03-31-87	293.00		6.82	2		7.65	03-29-87	1	0
1988	03-01-88	4.00	2							0
1989	03-28-89	1,000.00	1,2	11.33	1					1
	03-14-89	100.00	1,2	7.38	1					
1990	06-28-90	10.00	2							0
1991	06-10-91	640.00		8.30						0
1992	- -92	20.00	4							0
1993	08-14-93	720.00		8.60						0
1994	03-07-94	2,000.00		15.16	1					0

**Table 181. Station 06474300, Medicine Creek near Zell, South Dakota**

Drainage area: 202 mi<sup>2</sup>  
 Contributing drainage area: 202 mi<sup>2</sup>  
 Gage datum: 1,320.00 ft above sea level  
 Base discharge: 40.0 ft<sup>3</sup>/s

Station locator  
 Latitude Longitude  
 444552 0984213

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water Year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since (ft)	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1960	04-01-60	703.00		9.20	2		9.70	03-30-60	1	0
1961	05-18-61	56.00		5.24						0
1962	06-18-62	425.00		8.34	2		9.01	03-30-62	1	3
	03-30-62	350.00		9.01	1					
	04-08-62	46.00		5.34						
	05-16-62	155.00		6.84						
1963	07-26-63	17.00		3.84	2		4.05	03-20-63	1	0
1964	05-04-64	128.00		6.47						0
1965	05-15-65	136.00		6.59						0
1966	03-14-66	1,250.00		10.28						0
	07-15-66	449.00		8.39						1
1967	03-04-67	300.00		8.46	1					4
	04-19-67	45.00		4.98						
	05-04-67	41.00		4.88						
	06-21-67	198.00		7.04						
	07-11-67	78.00		5.63						
1968	04-23-68	85.00		5.75						0
1969	04-05-69	2,210.00		12.41						1
	07-19-69	168.00		6.81						0
1970	04-20-70	90.00		5.69			5.17	03-02-71	1	0
1971	03-15-71	10.00								0
1972	03-15-72	943.00								4
	05-02-72	68.00		9.81						
	05-05-72	73.00		5.65						
	05-14-72	81.00		5.82						
	06-02-72	61.00		5.96						
1973	02-26-73	287.00		7.67						0
1974	05-25-74	5.00		3.03	2		3.31	02-15-74	1	0
1975	04-13-75	50.00		5.40	2		6.40	04-12-75	1	0
1976	02-18-76	7.00		5.12	1					0
1977	03-13-77	90.00		7.02	1					1
	03-15-77	67.00		6.04						
1978	03-22-78	1,790.00		10.79						1
	05-31-78	220.00		7.22						
1979	03-21-79	100.00		6.84	1					2
	08-14-79	56.00		5.84						
	09-02-79	42.00		5.42						

**Table 181.** Station 06474300, Medicine Creek near Zell, South Dakota—Continued

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since (ft)	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1980	04-18-80	4.00					3.90	03-15-80	1	0
1981	08-01-81	2.30		3.05						0
1985	03-17-85	450.00		9.52	1					0
1986	03-04-86	1,250.00		10.91	1					3
	04-20-86	542.00		8.75						
1987	04-29-86	552.00		8.78						0
	05-12-86	88.00		5.86						
1988	03-28-87	55.00		5.19						0
1989	07-28-88	15.00		3.82						0
	03-26-89	850.00	2,9	10.09	1					
	03-13-89	160.00	2,9							1

Table 182. Station 06474500, Turtle Creek at Redfield, South Dakota

Station locator  
 Latitude Longitude  
 445300 0983046

Drainage area: 1,481 mi<sup>2</sup>  
 Contributing drainage area: 1,481 mi<sup>2</sup>  
 Gage datum: 1,259.30 ft above sea level  
 Base discharge: 50.0 ft<sup>3</sup>/s

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1946	07-10-46	24.00	5							0
1947	04-11-47	60.00	5							0
1948	03-23-48	3,160.00	5							2
	06-27-48	255.00	5						3	
	07-21-48	133.00	5						3	
1949	03-05-49	45.00	5							0
1950	03-31-50	2,340.00	5							4
	04-11-50	398.00	5						3	
	04-30-50	86.00	5						3	
	05-13-50	296.00	5						3	
	05-22-50	1,020.00	5						3	
1951	03-31-51	433.00	5							1
	04-22-51	51.00	5						3	
1952	04-10-52	6,420.00	5							1
	06-28-52	350.00	5						3	
1953	03-23-53	577.00	5							7
	03-14-53	278.00	5						3	
	03-18-53	393.00	5						3	
	04-12-53	111.00	5						3	
	05-07-53	335.00	5						3	
	06-15-53	78.00	5						3	
	06-20-53	78.00	5						3	
	07-28-53	74.00	5						3	
1954	06-07-54	95.00	5							0
1955	03-15-55	369.00	5							2
	03-11-55	108.00	5						3	
	06-09-55	73.00	5						3	
1956	06-17-56	51.00	5							0
1957	04-24-57	451.00	5							7
	04-20-57	207.00	5							
	05-21-57	65.00	5							
	05-25-57	92.00	5							
	05-29-57	97.00	5							
	06-11-57	55.00	5							
	07-04-57	109.00	5							
	07-12-57	154.00	5							

Table 182. Station 06474500, Turtle Creek at Redfield, South Dakota—Continued

Water Year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1958	04-01-58	402.00	5							3
	03-25-58	68.00	5							
	04-11-58	197.00	5							
	04-28-58	57.00	5							
	07-17-59	21.00	5							
1959	03-31-60	2,580.00	5							0
	05-18-61	64.00	5							
1960	04-05-62	556.00	5							0
	04-08-62	225.00	5							
1961	05-22-62	289.00	5							0
	05-30-62	103.00	5							
1962	06-08-62	120.00	5							0
	06-24-62	379.00	5							
1963	07-01-62	222.00	5							0
	07-11-62	301.00	5							
1964	10-27-62	3.00	5							0
	07-11-64	47.00	5	3.78						
1965	07-18-65	50.00	5	4.27						0
	03-17-66	1,700.00	5	9.78						
1966	04-17-66	60.00	5	4.15						3
	07-02-66	63.00	5	4.28						
1967	07-13-66	59.00	5	4.18						5
	03-26-67	301.00	5	6.02						
1968	04-11-67	63.00	5	4.18						0
	06-15-67	249.00	5	5.67						
1969	06-19-67	74.00	5	4.28						2
	06-25-67	187.00	5	5.28						
1970	07-11-67	57.00	5	3.90						0
	04-20-68	17.00	5	2.94						
1971	04-07-69	7,660.00	5	15.94						2
	03-18-69	181.00	5	4.96						
1972	05-04-69	125.00	5	4.50						1
	04-20-70	96.00	5	4.36			4.37	03-04-70	1	
1971	03-05-70	73.00	5	4.21						0
	04-25-70	80.00	5	4.24						
1972	06-19-71	24.00	5	3.74						3
	03-18-72	1,200.00	5	8.77						
1972	05-02-72	60.00	5	4.11						5
	05-19-72	349.00	5	5.86						
	07-21-72	53.00	5	4.05						5

**Table 183. Station 06475000, James River near Redfield, South Dakota**

Station locator  
 Latitude Longitude  
 445433 0982734

Drainage area: 13,911 mi<sup>2</sup>  
 Contributing drainage area: 9,793 mi<sup>2</sup>  
 Gage datum: 1,239.50 ft, above sea level  
 Base discharge: 300 ft<sup>3</sup>/s

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water Year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1950	05-22-50	5,290.00		20.68						0
1951	05-18-51	831.00		8.32	2		8.87	04-02-51	1	0
1952	04-11-52	6,100.00		22.12						0
1953	03-24-53	1,350.00		10.47	2		11.19	03-18-53	1	0
1954	07-05-54	330.00		5.78	2		7.77	03-27-54	1	0
1955	03-16-55	525.00		9.67	2		10.01	07-30-55	1	0
1956	05-27-56	293.00		5.53						0
1957	04-24-57	477.00		6.76	2		8.60	04-22-57	1	0
1958	04-01-58	719.00		8.56						0
1959	03-04-59	22.00		3.43						0
1960	04-04-60	2,960.00		18.47						0
1961	05-19-61	65.00		4.78						0
1962	04-04-62	2,000.00		16.54	2		16.60	03-31-62	1	0
1963	07-03-63	314.00		6.32						0
1964	07-30-64	610.00		7.98						0
1965	05-25-65	1,040.00		9.94						0
1966	03-21-66	2,460.00		15.03	2		16.90	03-18-66	1	0
1967	06-13-67	1,110.00		10.49						0
1968	05-01-68	367.00		6.85	2		6.99	05-01-68		0
1969	04-13-69	7,310.00		24.93						0
1970	04-22-70	642.00		8.49						0
1971	07-24-71	200.00		6.05						0
1972	03-20-72	2,050.00		15.19	1					0
1973	03-10-73	500.00	1				9.67	03-06-73	1	0
1974	05-21-74	213.00		6.05						0
1975	08-06-75	1,030.00		10.49						0
1976	04-09-76	450.00		7.49						0
1977	03-13-77	350.00		10.19	1					0
1978	03-28-78	3,800.00								0
1979	05-18-79	2,060.00					20.58	03-26-78	1	0
1980	04-21-80	350.00		7.15						0
1981	12-21-80	48.00	2,9	4.81	1					0
1982	05-03-82	1,030.00		8.74						0
1983	04-25-83	895.00		8.28						0
1984	06-28-84	1,600.00		9.67						0
1985	03-22-85	1,700.00		12.40	1					0
1986	05-12-86	4,060.00		18.25						0

**Table 183. Station 06475000, James River near Redfield, South Dakota—Continued**

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1987	04-24-87	1,650.00		10.95						0
1988	12-07-87	220.00		4.91	1					0
1989	04-01-89	3,140.00	2	16.06						0
1990	07-28-90	355.00		5.61						0
1991	06-10-91	1,810.00		11.16						0
1992	07-02-92	462.00		6.09						0
1993	08-01-93	2,100.00		14.64						0
1994	03-23-94	4,100.00		20.12						0



**Table 184. Station 06475500, Dry Run near Frankfort, South Dakota**

Station locator  
 Latitude Longitude  
 445617 0981943

Drainage area: 201 mi.<sup>2</sup>  
 Contributing drainage area: 201 mi.<sup>2</sup>  
 Gage datum: 1,253.19 ft above sea level  
 Base discharge: 10.0 ft<sup>3</sup>/s

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1956	06-22-56	6.00		3.71						0
1957	04-21-57	6.00		3.60						0
1958	03-28-58	1.00		3.00						0
1959	06-17-59	7.00		3.77						0
1960	03-28-60	405.00		8.29						0
1961	- -61	0.00								0
1962	03-29-62	772.00		9.16						6
	05-18-62	24.00		4.95						
	05-24-62	49.00		5.68						
	05-29-62	21.00		4.77						
	06-05-62	21.00		4.72						
	06-10-62	29.00		4.99						
	06-19-62	56.00		5.97						
1963	- -63	0.00								0
1964	- -64	0.00								0
1965	06-01-65	93.00		5.82						1
	05-26-65	60.00		5.32						
1966	07-14-66	142.00		7.17						1
	03-19-66	96.00		6.47						
1967	06-15-67	69.00		5.86						3
	03-12-67	48.00		5.60						
	04-24-67	37.00		5.27						
	05-10-67	29.00		4.62						
1968	04-24-68	2.00		3.32						0
1969	04-07-69	465.00		8.81						1
	05-05-69	57.00		5.37						
1970	03-19-70	26.00		5.34						0
1971	03-17-71	1.00								0
1972	03-17-72	85.00		6.95	1					0
1973	03- -73	20.00		5.23	1					0
1974	- -74	0.00								0
1975	- -75	0.00								0
1976	- -76	0.00								0
1977	- -77	0.00								0
1978	03-29-78	700.00		8.79						0

Table 185. Station 06475550, Dry Run tributary near Frankfort, South Dakota

Station locator                      Drainage area:                      4.19 mi<sup>2</sup>  
 Latitude Longitude                Contributing  
    drainage area:                      4.19 mi<sup>2</sup>  
 445545 0981831                      Gage datum:  
    Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1967	06- -67	135.00		8.66						0
1968	04-19-68	46.00		4.90						0
1969	06-25-69	59.00		5.41						0
1970	03-03-70	7.00		2.93						0
1971	06-19-71	7.00		2.93						0
1972	03-17-72	15.00		4.07	1					0
1973	03- -73	10.00		3.56	1					0
1974	05-28-74	5.00		2.75						0
1975	05-22-75	10.00		3.14						0
1976	03-20-76	3.00		3.53	1					0
1977	03-12-77	20.00		4.21	1					0
1978	05-28-78	138.00		8.79						0
1979	04- -79	5.00		3.40	1					0



Table 187. Station 06476000, James River at Huron, South Dakota

Station locator  
 Latitude Longitude  
 442149 0981156

Drainage area: 15,869 mi<sup>2</sup>  
 Contributing drainage area: 11,721 mi<sup>2</sup>  
 Gage datum: 1,223.44 ft above sea level  
 Base discharge: 500 ft<sup>3</sup>/s

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1881	- 81						19.80	04-0 -81		0
1922	- 22						16.50	03-22-22		0
1929	03-20-29	2,650.00								0
1930	05-13-30	560.00								0
1931	04-24-31	345.00								0
1932	03-04-32	650.00								0
1944	03-31-44	2,460.00		10.48						2
	04-08-44	1,920.00		9.66						
	05-14-44	1,270.00		8.90						
1945	03-21-45	1,920.00		9.68						1
	06-06-45	1,450.00		9.06						
1946	03-21-46	1,850.00		9.60						0
1947	04-11-47	1,360.00		9.00						0
1948	03-27-48	4,630.00		14.48						1
	05-20-48	1,220.00		8.84						
1949	05-18-49	672.00		8.44						0
1950	05-24-50	4,840.00		14.30						1
	04-07-50	3,020.00		12.18	1					
1951	04-05-51	900.00		8.70						0
1952	04-15-52	5,580.00		15.23						1
	06-30-52	1,440.00		9.12						
1953	08-06-53	2,690.00		10.86						1
	03-20-53	1,950.00		9.74						
1954	07-06-54	373.00		8.24						0
1955	03-13-55	835.00		8.65	2		9.60	03-15-55	1	0
1956	08-04-56	984.00		8.76						0
1957	05-26-57	674.00		8.52						0
1958	04-02-58	809.00		8.63						0
1959	04-02-59	51.00		7.78						0
1960	04-02-60	6,050.00		15.42						0
1961	05-14-61	318.00		9.26						0
1962	04-02-62	6,250.00		15.80						3
	05-24-62	2,590.00		11.59						
	06-11-62	1,820.00		10.30						
	06-24-62	1,920.00		10.48						
1963	04-29-63	708.00		9.42						0
1964	07-28-64	704.00		9.54						0

Table 187. Station 06476000, James River at Huron, South Dakota—Continued

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1965	05-25-65	1,000.00		9.81						0
1966	03-22-66	3,120.00		12.15						0
1967	06-19-67	2,670.00		11.28						0
1968	04-23-68	517.00		9.38						0
1969	04-13-69	9,000.00		16.70						0
1970	03-05-70	1,840.00		9.97						0
1971	03-14-71	674.00		8.84	2		9.03	07-24-71		0
1972	03-23-72	2,490.00		11.27						0
1973	03-07-73	1,060.00		9.19						0
1974	06-09-74	193.00		9.06						0
1975	08-08-75	1,190.00		9.31						0
1976	11-12-75	450.00		8.63	2		9.07	11-21-75	1	0
1977	03-14-77	1,950.00		11.93	1					0
1978	03-30-78	5,820.00		15.22						0
1979	05-19-79	2,130.00		10.62						0
1980	06-04-80	548.00		9.38						0
1981	04-13-81	143.00		8.99						0
1982	05-11-82	1,150.00		10.11						0
1983	04-13-83	929.00		9.99						0
1984	06-22-84	3,310.00		13.18						0
1985	03-23-85	2,040.00		11.14						0
1986	05-03-86	5,010.00		14.81						0
1987	03-27-87	2,190.00		11.36						0
1988	05-26-88	814.00		9.94						0
1989	04-03-89	3,320.00		12.91						0
1990	06-27-90	291.00		9.40						0
1991	06-07-91	1,580.00		10.44	2		10.46	06-12-91	1	0
1992	06-19-92	1,110.00		10.11						0
1993	07-29-93	3,440.00	2	13.36	1,2		13.41	07-31-93	1	0
1994	03-22-94	8,100.00		16.17						0

**Table 188. Station 06476500, Sand Creek near Alpena, South Dakota**

Station locator  
 Latitude Longitude  
 440915 0982606

Drainage area: 261 mi<sup>2</sup>  
 Contributing drainage area: 261 mi<sup>2</sup>  
 Gage datum: 1,315.00 ft above sea level  
 Base discharge: 50.0 ft<sup>3</sup>/s

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1950	03-28-50	1,000.00		14.10	1					0
1951	03-28-51	750.00		11.70	1					3
	05-21-51	285.00		9.52						
	06-05-51	128.00		8.87						
	07-01-51	363.00		9.82						
1952	04-03-52	1,130.00		12.68	1					1
	04-09-52	1,050.00		12.30						
1953	07-12-53	504.00		10.82						2
	- 53	190.00		10.22	1					
	06-09-53	434.00		10.63						
1954	06-17-54	136.00		9.43						1
	06-11-54	64.00		8.85						
1955	03-12-55	788.00		12.10						0
1956	08-03-56	145.00		9.78						0
1957	07-04-57	231.00		10.91						4
	03-24-57	70.00		9.55	1					
	04-22-57	169.00		9.58						
	05-22-57	60.00		8.77						
	05-25-57	86.00		9.08						
1958	03-26-58	315.00		10.89						1
	04-08-58	181.00		9.91						
1959	04-20-59	1.00					6.70	03-02-59	1	0
1960	03-28-60	2,240.00		13.35						3
	04-07-60	641.00		11.43						
	04-12-60	61.00		8.95						
	04-14-60	61.00		8.95						
1961	06-14-61	332.00		10.56						0
1962	03-31-62	1,000.00		12.96	1					7
	05-19-62	51.00		8.66						
	05-23-62	880.00		11.77						
	05-29-62	218.00		9.74						
	06-09-62	680.00		11.37						
	06-17-62	199.00		9.71						
	07-04-62	506.00		10.86						
	07-13-62	106.00		8.94						
1963	03-23-63	17.00		7.98						0
1964	05-05-64	37.00		8.39						0

Table 188. Station 06476500, Sand Creek near Alpena, South Dakota—Continued

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1965	05-21-65	191.00		9.90						0
1966	03-13-66	1,290.00		12.47	2		12.89	03-12-66	1	0
1967	06-20-67	1,510.00		12.84						2
	03-13-67	104.00		9.72						
	07-11-67	279.00		10.72						
1968	04-25-68	29.00		8.35						0
1969	04-05-69	2,220.00		12.92	2		13.00	04-04-69	1	0
1970	04-21-70	253.00		10.30	2		10.73	03-05-70		1
	03-05-70	175.00								
1971	03-15-71	400.00		11.88	1					0
1972	05-14-72	930.00		11.75	2		11.90	03-13-72	1	4
	03-10-72	275.00								
	03-13-72	600.00								
	05-02-72	189.00		10.23						
	05-24-72	53.00		9.22						
1973	03-02-73	350.00								4
	01-18-73	175.00					11.71	02-25-73	1	
	01-23-73	70.00								
	02-25-73	300.00								
	03-16-73	79.00								
1974	02-20-74	45.00		9.54						0
1975	04-12-75	36.00		9.31	1					0
1976	03-20-76	3.00		8.89						0
1977	03-15-77	158.00		7.87						0
1978	03-22-78	907.00		9.82						0
1979	04-15-79	5.00		12.31	4					0
1980	04-23-80	0.74		7.74						0
1981	-81	0.00								0
1982	03-01-82	35.00	9	9.13	1					0
1983	05-15-83	45.00		8.77						0
1984	06-24-84	281.00		10.81						5
	02-24-84	176.00		10.19						
	03-22-84	210.00	9	10.41	1					
	04-13-84	130.00		9.83						
	06-06-84	75.00		9.28						
	06-10-84	240.00		10.57						
1985	03-20-85	556.00		11.34						0
1986	05-10-86	1,660.00		12.77						7
	03-03-86	350.00	9							
	04-07-86	64.00		8.67						
	04-19-86	456.00		11.11						
	04-28-86	275.00		10.26						
	06-13-86	430.00		11.00						
	06-23-86	116.00		9.21						
	09-21-86	124.00		10.50						

Table 188. Station 06476500, Sand Creek near Alpena, South Dakota—Continued

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1987	03-28-87	409.00		11.37						2
	03-19-87	139.00		9.78						
	04-16-87	76.00		9.06						
1988	05-24-88	144.00		9.86						1
	03-01-88	60.00	2	9.40	1					
1989	03-26-89	208.00		10.34						1
	03-14-89	150.00	2							
1990	06-16-90	500.00	2	11.43						0
1991	06-08-91	400.00	2	11.06						0
1992	02-29-92	100.00	2, B	9.59	1					0
1993	03-25-93	270.00		10.48						0
1994	03-06-94	600.00		13.10	1					0



**Table 189.** Station 06477000, James River near Forestburg, South Dakota

Station locator  
 Latitude Longitude  
 435826 0980414

Drainage area: 17,590 mi<sup>2</sup>  
 Contributing  
 drainage area: 13,442 mi<sup>2</sup>  
 Gage datum: 1,208.34 ft above sea level  
 Base discharge: 500 ft<sup>3</sup>/s

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1920	03--20			18.00	1					0
1922	03--22			18.00	1					0
1950	05-30-50	5,180.00		15.06						2
	05-27-50	5,180.00		15.06						
	05-30-50	5,180.00		15.06						
1951	03-31-51	1,600.00		10.84	1					1
	07-01-51	1,230.00		8.67						
1952	04-16-52	6,290.00		15.46						1
	07-02-52	1,220.00		8.62						
1953	03-19-53	2,080.00		11.17						1
	08-12-53	2,060.00		11.10						
1954	07-06-54	332.00		4.86						0
1955	03-19-55	1,210.00		9.69	1					0
1956	08-06-56	920.00		7.19						0
1957	05-30-57	864.00		7.02						0
1958	04-06-58	924.00		7.21						0
1959	06-13-59	80.00		3.35						0
1960	04-02-60	10,900.00		16.27						0
1961	03-06-61	702.00		7.24	1					0
1962	03-31-62	12,000.00		16.40						3
	04-05-62	8,280.00		15.87						
	05-26-62	5,000.00		14.97						
	06-12-62	4,390.00		14.67						
1963	10-01-62	599.00		6.17						0
1964	08-04-64	561.00		5.83						0
1965	05-29-65	1,010.00		7.78						0
1966	03-16-66	2,800.00		12.78	2		13.00	03-15-66	1	0
1967	06-22-67	1,910.00		10.93						0
1968	05-10-68	372.00		4.79						0
1969	04-09-69	12,500.00		17.16						0
1970	03-09-70	1,320.00		11.39	1					0
1971	03-18-71	980.00		11.40	1					0
1972	05-31-72	2,990.00					13.55	06-01-72		0
1973	03-07-73	2,770.00		13.05						0
1974	03-07-74	280.00		4.90	1					0
1975	08-09-75	1,040.00		8.12						0
1976	04-12-76	308.00		4.88	2		5.82	11-21-75	1	0

Table 189. Station 06477000, James River near Forestburg, South Dakota—Continued

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1977	03-15-77	4,050.00		13.85						0
1978	04-02-78	4,830.00		15.24						0
1979	05-22-79	1,920.00		11.21						0
1980	04-27-80	336.00					5.24	12-01-79	1	0
1981	04-06-81	63.00		3.19	2		3.20	04-03-81		0
1982	05-15-82	1,050.00		8.37						0
1983	04-14-83	925.00		7.87						0
1984	06-25-84	6,140.00		15.75						0
1985	03-20-85	3,330.00		13.55						0
1986	05-13-86	7,740.00		15.76						0
1987	03-29-87	4,530.00		14.59						0
1988	05-28-88	415.00		5.20						0
1989	04-08-89	3,080.00		13.36						0
1990	06-19-90	260.00		4.44						0
1991	06-10-91	2,520.00		12.76						0
1992	06-21-92	743.00		6.78						0
1993	08-04-93	3,450.00		14.13						0
1994	03-24-94	8,180.00		15.73						0

**Table 190.** Station 06477140, Rock Creek tributary near Roswell, South Dakota

Station\_locator      Drainage area:      5.67 mi<sup>2</sup>  
 Latitude Longitude      Contributing  
                                  drainage area:      5.67 mi<sup>2</sup>  
 440224 0974234      Gage datum:  
                                  Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1970	04-15-70	50.00		4.89	1					0
1971	03-13-71	150.00		6.86	1					0
1972	06-19-72	59.00		4.07						0
1973	03-0 -73	40.00		5.60	1					0
1974	02-0 -74	20.00		4.17	1					0
1975	06-09-75	1.00		2.69						0
1976	03-19-76	10.00		4.34	1					0
1977	03-12-77	180.00		7.15	1					0
1978	03 -78	110.00		4.86						0
1979	04 -79	25.00		4.28	1					0

**Table 191. Station 06477150, Rock Creek near Fulton, South Dakota**

Station locator  
 Latitude Longitude  
 434539 0975425

Drainage area: 240 mi<sup>2</sup>  
 Contributing drainage area: 240 mi<sup>2</sup>  
 Gage datum: 1,235.00 ft above sea level  
 Base discharge: 50.0 ft<sup>3</sup>/s

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1967	06-17-67	625.00		7.22	3					1
	06-21-67	303.00		5.65	3					
1968	06-08-68	6.00		2.42	3					0
1969	04-07-69	2,040.00		10.21	3					0
1970	03-07-70	199.00		5.23	3					0
1971	03-15-71	900.00		9.18	1,3					0
1972	06-24-72	277.00		5.37	3					6
	03-15-72	154.00		5.01	3					
	05-06-72	55.00		4.13	3					
	05-16-72	51.00		4.30	3					
	05-25-72	91.00		4.46	3					
	05-27-72	158.00		4.87	3					
	05-28-72	138.00		4.73	3					
1973	03-06-73	450.00		7.03	1,3					0
1974	- -74	3.00			3					0
1975	04-10-75	25.00		4.25	1,3					0
1976	03-12-76	5.00			3					0
1977	03-16-77	800.00		9.20	1,3					0
1978	03- -78	500.00		9.13	1,3					0
1979	04- -79	25.00		4.31	1,3					0
1989	03-27-89	10.00	4	6.43						0
1990	06-17-90	28.00		7.88						0
1991	06-10-91	140.00	2	9.34						0
1992	02-29-92	40.00	2, B	7.64						0
1993	07-06-93	1,880.00		14.34						0
1994	04-27-94	1,080.00		12.60						0

**Table 192.** Station 06477400, Firesteel Creek tributary near Wessington Springs, South Dakota

Station locator                      Drainage area:                      0.22 mi<sup>2</sup>  
 Contributing                              drainage area:                      0.22 mi<sup>2</sup>  
 Latitude Longitude                      Gage datum:                      Base discharge:

440426 0983452

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1968	07-26-68	39.00		4.41						0
1969	04-03-69	57.00		5.14						0
1970	03-03-70	20.00		4.17	1					0
1971	03-18-71	30.00		4.00						0
1972	03-20-72	15.00		4.06	1					0
1973	03-14-73	25.00		5.74	1					0
1974	05-20-74	7.00		2.73						0
1975	04-10-75	10.00		3.69	1					0
1976	03-19-76	3.00		3.31	1					0
1977	03-12-77	15.00		3.60	1					0
1978	03- -78	30.00		5.57	1					0
1979	04- -79	10.00		3.59	1					0

**Table 193. Station 06477500, Firesteel Creek near Mount Vernon, South Dakota**

Station location Latitude Longitude  
 Drainage area: 521 mi<sup>2</sup>  
 Contributing drainage area: 521 mi<sup>2</sup>  
 Gage datum: 1,297.22 ft above sea level  
 Base discharge: 100 ft<sup>3</sup>/s

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1956	08-06-56	174.00		4.60						0
1957	07-08-57	539.00		6.60						3
	03-26-57	110.00		4.00	1					
	05-24-57	519.00		6.14						
	05-27-57	523.00		6.18						
1958	03-27-58	416.00		5.66						1
	04-08-58	189.00		4.48						
1959	03-02-59	1.00		2.90	1					0
1960	03-28-60	5,780.00		15.13						0
1961	06-16-61	225.00		4.76						0
1962	06-17-62	3,800.00		13.25	2		16.85	03-31-62	1	0
	03-31-62	3,600.00		16.85	1					9
	05-18-62	1,900.00		10.70						
	05-23-62	1,440.00		9.75						
	05-30-62	1,820.00		10.55						
	06-09-62	3,170.00		12.61						
	08-06-62	268.00		5.07						
	08-10-62	466.00		6.13						
	08-13-62	271.00		5.09						
	08-17-62	216.00		4.76						
	03-27-63	29.00		2.94						0
1964	05-07-64	145.00		4.22						0
1965	06-06-65	10.00		2.55						0
1966	03-13-66	1,150.00		8.78	2		9.05	03-13-66	1	0
1967	06-20-67	1,190.00		9.00						1
	06-16-67	542.00		6.60						
1968	07-30-68	166.00		4.58						0
1969	04-04-69	6,610.00		15.34	2		17.12	04-03-69	1	0
1970	04-22-70	320.00		5.60	2		5.76	03-06-70	1	1
	03-06-70	300.00								
1971	03-17-71	900.00								1
	03-30-71	173.00								
1972	05-15-72	1,100.00								4
	03-11-72	580.00								
	03-17-72	482.00								
	05-04-72	781.00								
	05-29-72	547.00								

**Table 193. Station 06477500, Firesteel Creek near Mount Vernon, South Dakota—Continued**

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1973	03-01-73	700.00					9.35	02-25-73	1	0
1974	06-12-74	204.00		5.32						0
1975	04-08-75	2.00		2.86						0
1976	05-23-76	2.00		2.78						0
1977	03-14-77	900.00		8.86	1					0
1978	03-21-78	2,280.00		11.61						1
	05-29-78	131.00		4.66						
1979	03-07-79	10.00		3.86	1					0
1980	06-27-80	1.00		2.95						0
1981	08-04-81	16.00		3.46						0
1982	02-27-82	350.00	9	7.60						2
	03-01-82	150.00		6.05						
	05-31-82	287.00		6.22						
1983	04-19-83	172.00		5.06						2
	10-14-82	163.00		4.98						
	04-03-83	154.00		4.94						
1984	06-21-84	5,080.00		15.56						8
	02-28-84	380.00	9	6.92	1					
	03-18-84	310.00	9	6.92	1					
	03-24-84	700.00	9	8.76	1					
	04-05-84	197.00		5.35						
	04-14-84	1,620.00		9.83						
	06-09-84	379.00		6.69						
	06-15-84	1,120.00		9.36						
	06-20-84	2,260.00		12.08						
1985	03-16-85	3,700.00		13.41	1					0
1986	05-10-86	4,560.00		14.48						7
	03-03-86	2,000.00	9							
	03-19-86	1,050.00		9.03						
	04-06-86	598.00		7.60						
	04-14-86	304.00		6.25						
	04-18-86	1,480.00		10.09						
	04-29-86	609.00		7.64						
	06-12-86	931.00		8.70						
1987	03-28-87	2,330.00		11.96						0
1988	05-26-88	306.00		6.27						0
1989	03-14-89	300.00	2	6.88	1					1
	03-26-89	133.00		5.10						
1990	06-26-90	103.00		5.02						0
1991	06-08-91	541.00		7.24						3
	05-25-91	146.00		5.15						
	05-29-91	112.00		4.87						
	06-01-91	107.00		4.82						
1992	08-08-92	1,940.00		11.21						0

**Table 193. Station 06477500, Firesteel Creek near Mount Vernon, South Dakota—Continued**

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1993	07-05-93	1,930.00		11.48						10
	03-09-93	950.00	2	8.92	1					
	04-17-93	126.00		4.86						
	05-03-93	394.00		6.37						
	05-10-93	722.00		7.88						
	06-17-93	288.00		6.18						
	06-20-93	359.00		6.60						
	06-25-93	597.00		7.76						
	07-03-93	1,780.00		11.16						
	07-18-93	465.00		7.28						
1994	07-25-93	828.00		8.70						
	03-05-94	1,000.00		10.45					2	
	02-23-94	600.00		7.75						
	06-06-94	264.00		5.85						



**Table 194. Station 06478000, James River near Mitchell, South Dakota**

Station locator Latitude Longitude  
 434136 0975754  
 Drainage area: 19,064 mi<sup>2</sup>  
 Contributing drainage area: 14,916 mi<sup>2</sup>  
 Gage datum: 1,198.00 ft above sea level  
 Base discharge: 800 ft<sup>3</sup>/s

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1954	06-21-54	754.00								0
1955	03-12-55	2,300.00								0
1956	08-08-56	770.00								0
1957	05-30-57	1,160.00								0
1958	04-01-58	1,160.00								0
1966	03-23-66	2,750.00								0
1967	06-24-67	2,230.00		12.98						0
1968	05-11-68	360.00		11.72						0
1969	04-11-69	13,800.00		5.28						0
1970	04-25-70	1,300.00		18.32	2		10.46	03-14-70	1	0
1971	03-18-71	1,850.00		9.33	1					0
1972	05-30-72	4,010.00		12.80						0
				14.98						0

**Table 195. Station 06478050, Enemy Creek tributary near Mount Vernon, South Dakota**

Station locator  
 Latitude Longitude  
 433619 0981555

Drainage area: 3.38 mi<sup>2</sup>  
 Contributing drainage area: 3.38 mi<sup>2</sup>  
 Gage datum:  
 Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1969	04-08-69	43.00		5.00						0
1970	06-16-70	82.00		5.54						0
1971	06-28-71	41.00		4.97						0
1972	05-27-72	115.00		5.88						0
1973	03-14-73	15.00		5.63	1					0
1974	06-09-74	14.00		4.44						0
1975	- -75	5.00								0
1976	03-19-76	20.00								0
1977	08-27-77	45.00		4.76						0
1978	07-21-78	24.00		4.68						0
1979	07-29-79	21.00		4.62						0

**Table 196. Station 06478052, Enemy Creek near Mitchell, South Dakota**

Station locator  
 Latitude Longitude  
 433833 0975909

Drainage area: 163 mi<sup>2</sup>  
 Contributing drainage area: 163 mi<sup>2</sup>  
 Gage datum: 1,280.00 ft above sea level  
 Base discharge: 20.0 ft<sup>3</sup>/s

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water Year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1976	02-15-76	0.90		5.13	2		5.14	03-12-76		0
	03-13-77	339.00		8.17						2
1978	05-20-77	22.00		5.87						
	09-14-77	29.00		5.99						
	03-19-78	1,390.00		11.27						4
	04-09-78	21.00		5.86						
	04-19-78	105.00		6.79						
	04-25-78	63.00		6.44						
1979	05-09-78	26.00		6.04						
	03-21-79	46.00		6.19	2	6.36	6.36	03-20-79	1	2
	03-23-79	43.00		6.15						
	03-25-79	22.00		5.82						
1980	04-09-80	0.90		5.38	2	5.47	5.47	02-26-80	1	0
1981	04-09-81	0.02		5.13						0
1982	06-01-82	106.00		7.05						0
1983	06-21-83	522.00		9.12						0
	03-14-83	53.00	9	6.25						7
	04-01-83	194.00		7.46						
	04-08-83	61.00		6.35						
	04-13-83	166.00		7.15						
	04-16-83	215.00		7.56						
	05-02-83	174.00		7.24						
	07-02-83	315.00		8.22						
	06-22-84	4,280.00		15.15						14
	02-17-84	26.00		6.00						
1984	02-27-84	68.00		6.41						
	02-29-84	53.00		6.27						
	03-17-84	118.00		6.80						
	03-24-84	260.00		7.62						
	04-04-84	412.00		8.32						
	04-13-84	2,170.00		12.94						
	04-27-84	136.00		6.77						
	04-30-84	212.00		7.23						
	05-29-84	103.00		6.52						
	06-06-84	134.00		6.75						
06-13-84	98.00		6.48							
06-17-84	425.00		8.34							
06-18-84	653.00		9.33							

Table 196. Station 06478052, Enemy Creek near Mitchell, South Dakota—Continued

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since (ft)	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1985	03-15-85	550.00		9.68						6
	02-22-85	40.00		6.47						
	04-04-85	75.00		6.31	1					
	04-24-85	37.00		5.88						
	05-12-85	216.00		7.42						
	05-31-85	138.00		6.88						
	09-04-85	55.00		6.16						
	06-11-86	1,610.00		12.02						
	03-05-86	530.00	9							
	03-19-86	428.00		8.39						
1986	03-20-86	225.00		7.40						
	04-18-86	1,500.00		11.53						
	04-25-86	255.00		7.57						
	04-29-86	445.00		8.47						
	05-10-86	119.00		6.75						
	05-30-86	35.00		5.94						
	07-02-86	60.00		6.25						
	09-20-86	177.00		7.16						
	03-27-87	1,780.00		12.10						
	03-19-87	589.00		8.97						
1987	04-20-87	46.00		5.98						
	03-27-89	2.00	4	5.29						
	06-17-90	89.00		6.61						
	06-04-91	470.00		8.77						
	07-02-92	185.00	4							
	07-06-93	4,050.00		14.97						
	03-04-94	500.00		11.32	1					
	1989	03-27-89	2.00	4	5.29					
		06-17-90	89.00		6.61					
		06-04-91	470.00		8.77					
07-02-92		185.00	4							
07-06-93		4,050.00		14.97						
03-04-94		500.00		11.32	1					
1990		03-27-89	2.00	4	5.29					
		06-17-90	89.00		6.61					
		06-04-91	470.00		8.77					
		07-02-92	185.00	4						
	07-06-93	4,050.00		14.97						
	03-04-94	500.00		11.32	1					
	1991	03-27-89	2.00	4	5.29					
		06-17-90	89.00		6.61					
		06-04-91	470.00		8.77					
		07-02-92	185.00	4						
07-06-93		4,050.00		14.97						
03-04-94		500.00		11.32	1					
1992		03-27-89	2.00	4	5.29					
		06-17-90	89.00		6.61					
		06-04-91	470.00		8.77					
		07-02-92	185.00	4						
	07-06-93	4,050.00		14.97						
	03-04-94	500.00		11.32	1					
	1993	03-27-89	2.00	4	5.29					
		06-17-90	89.00		6.61					
		06-04-91	470.00		8.77					
		07-02-92	185.00	4						
07-06-93		4,050.00		14.97						
03-04-94		500.00		11.32	1					
1994		03-27-89	2.00	4	5.29					
		06-17-90	89.00		6.61					
		06-04-91	470.00		8.77					
		07-02-92	185.00	4						
	07-06-93	4,050.00		14.97						
	03-04-94	500.00		11.32	1					

**Table 197. Station 06478200, Coffee Creek tributary near Parkston, South Dakota**

Station locator  
 Latitude Longitude  
 432726 0975942

Drainage area: 0.81 mi<sup>2</sup>  
 Contributing drainage area: 0.81 mi<sup>2</sup>  
 Gage datum:  
 Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1968	09-22-68	17.00		2.83						0
1969	04-03-69	62.00		4.43						0
1970	04-23-70	7.00		2.29						0
1971	03-13-71	25.00		4.05	1					0
1972	05-22-72	19.00		2.94						0
1973	03-14-73	30.00		4.71	1					0
1974	02-28-74	8.00		2.82	1					0
1975	06-19-75	14.00		2.70						0
1976	03-12-76	20.00								0
1977	06-17-77	15.00		2.75						0
1978	06-25-78	81.00		4.92						0
1979	09-12-79	74.00		4.74						0

**Table 198.** Station 06478250, North Branch Dry Creek tributary near Parkston, South Dakota

Station locator  
 Latitude Longitude  
 432210 0975516

Drainage area: 3.19 mi<sup>2</sup>  
 Contributing drainage area: 3.19 mi<sup>2</sup>  
 Gage datum: 1,350.00 ft above sea level  
 Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1956	07-07-56	17.00		4.32						0
1957	06-17-57	6.00		4.15						0
1958	03-28-58	27.00		4.47						0
1959	- -59	0.00								0
1960	03-27-60	340.00		6.52						0
1961	02-22-61	6.00		4.14						0
1962	07- -62	183.00		5.66						0
1963	03-20-63	1.00		4.02						0
1964	04- -64	1.00								0
1965	07-11-65	91.00		5.04						0
1966	04-27-66	220.00		5.87						0
1967	06-19-67	55.00		4.73						0

Table 199. Station 06478260, North Branch Dry Creek near Parkston, South Dakota

Station locator  
 Latitude Longitude  
 432213 0975051

Drainage area: 54.1 mi<sup>2</sup>  
 Contributing drainage area: 54.1 mi<sup>2</sup>  
 Gage datum: 1,275.00 ft above sea level  
 Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1956	03--56	26.00		2.59						0
1957	06-17-57	51.00		3.18						0
1958	03-26-58	182.00		4.50						0
1959	03-03-59	3.00		2.30	1					0
1960	03-27-60	1,470.00		8.55						0
1961	08-21-61	68.00		3.47						0
1962	07-14-62	1,540.00		8.76						0
1963	03-19-63	80.00		3.94	1					0
1964	03-11-64	1.00		1.30						0
1965	07-11-65	40.00		2.96						0
1966	03-10-66	280.00		5.28	1					0
1967	06-19-67	29.00		2.68						0
1968	06-25-68	29.00		2.68						0
1969	04-08-69	3,200.00		10.28						0
1970	04-23-70	225.00		4.54						0
1971	06-10-71	145.00		3.99						0
1972	05-23-72	490.00		5.72						0
1973	03-14-73	200.00		4.92	1					0
1974	03-03-74	15.00		3.00	1					0
1975	06-19-75	26.00		2.48						0
1976	03-12-76	50.00		4.75	1					0
1977	08-29-77	21.00		2.32						0
1978	05-29-78	370.00		5.23						0

Table 200. Station 06478280, South Branch Dry Creek near Parkston, South Dakota

Station locator: Drainage area: 25.8 mi<sup>2</sup>  
 Contributing drainage area: 25.8 mi<sup>2</sup>  
 Latitude Longitude: 432122 0974935  
 Gage datum: 1,270.00 ft above sea level  
 Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1956	03- -56	7.00		2.67						0
1957	06-17-57	27.00		3.42						0
1958	03-26-58	92.00		4.26						0
1959	05-31-59	130.00		4.45						0
1960	03-27-60	920.00		7.37						0
1961	08-21-61	160.00		4.69						0
1962	07-14-62	750.00		6.81						0
1963	03-19-63	115.00		4.30						0
1964	04-03-64	0.00		1.24						0
1965	07-11-65	86.00		4.05						0
1966	03-11-66	40.00		4.43	1					0
1967	06-19-67	80.00		3.94						0
1968	06-25-68	38.00		3.31						0
1969	04-08-69	650.00		6.52						0
1970	04-23-70	94.00		4.11						0
1971	06-10-71	25.00		3.01						0
1972	05-23-72	380.00		5.60						0
1973	03-14-73	40.00		3.92	1					0
1974	03-03-74	10.00		2.95	1					0
1975	04-16-75	10.00								0
1976	03-12-76	30.00		4.18	1					0
1977	03-12-77	8.00		2.54	1					0
1978	07-22-78	44.00		3.41						0
1979	04- -79	30.00		4.57	1					0
1980	03- -80	5.00		2.39	1					0



Table 201. Station 06478300, Dry Creek near Parkston, South Dakota

Station locator  
 Latitude Longitude  
 432218 0974923

Drainage area: 97.2 mi<sup>2</sup>  
 Contributing drainage area: 97.2 mi<sup>2</sup>  
 Gage datum: 1,240.00 ft above sea level  
 Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1956	03--56	24.00		3.27						0
1957	06-17-57	78.00		4.30						0
1958	03-26-58	234.00		5.62						0
1959	05-31-59	144.00		5.07						0
1960	03-27-60	4,210.00		12.70						0
1961	08-21-61	165.00		5.14						0
1962	07-14-62	2,450.00		10.70						0
1963	04-29-63	94.00		4.52						0
1964	04-27-64	28.00		3.37						0
1965	07-11-65	98.00		4.56						0
1966	03-03-66	225.00		6.66	1					0
1967	06-19-67	160.00		5.09						0
1968	06-25-68	68.00		4.15						0
1969	04-08-69	1,500.00		9.08						0
1970	04-23-70	310.00		5.95						0
1971	06-10-71	360.00		6.17						0
1972	05-23-72	860.00		7.64						0
1973	03-14-73	45.00		3.95	1					0
1974	03-03-74	15.00		3.74	1					0
1975	06-19-75	23.00		3.24						0
1976	03-12-76	40.00		4.73	1					0
1977	03-12-77	30.00		3.73	1					0
1978	05-29-78	380.00		6.22						0
1979	04--79	50.00		5.95	1					0
1980	03--80	2.00		2.51	1					0
1989	03-10-89	2.00	4	1.81	1					0
1990	05-25-90	60.00	2	3.36						0
1991	--91	0.00								0
1992	04-18-92	2.70	2,B	1.82						0
1993	05-08-93	2,240.00		8.92						0
1994	03-04-94	900.00		7.72	1					0

Table 202. Station 06478390, Wolf Creek near Clayton, South Dakota

Station locator  
 Latitude Longitude  
 432218 0973612

Drainage area: 396 mi<sup>2</sup>  
 Contributing drainage area: 396 mi<sup>2</sup>  
 Gage datum: 1,210.00 ft above sea level  
 Base discharge: 175 ft<sup>3</sup>/s

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1976	02-25-76	90.00								0
1977	09-23-77	406.00		8.24						2
	03-15-77	250.00	9							
	09-12-77	393.00		8.17						
1978	03-19-78	1,230.00		11.39	2	11.73	11.73	03-19-78	1	5
	10-01-77	199.00		6.73						
	04-06-78	270.00		6.90						
	04-19-78	218.00		6.49						
	06-26-78	204.00		6.61						
	07-23-78	209.00		6.38						
1979	03-22-79	1,280.00		11.97	2	12.22	12.22	03-19-79		4
	03-19-79	900.00		12.22						
	03-25-79	653.00		9.45						
	04-12-79	529.00		8.52						
	07-29-79	274.00		6.83						
1980	06-07-80	23.00					5.21	02-24-80		0
1981	08-27-81	31.00		6.19						0
1982	05-30-82	1,140.00		13.45						1
	02-21-82	330.00	9							
1983	06-20-83	2,740.00		16.67						9
	11-20-82	188.00		8.02						
	02-20-83	1,000.00	9							
	03-13-83	494.00		10.00						
	03-31-83	406.00		9.54						
	04-13-83	456.00		9.80						
	04-16-83	431.00		9.67						
	05-02-83	321.00		8.99						
	06-29-83	341.00		8.98						
	07-17-83	305.00		8.88						
1984	06-21-84	6,520.00		18.01						7
	03-30-84	846.00		10.90						
	04-04-84	1,180.00		11.92						
	04-12-84	3,260.00		15.95						
	04-30-84	445.00		8.52						
	05-07-84	238.00		7.20						
	06-12-84	578.00		9.19						
	07-09-84	441.00		8.17						

Table 202. Station 06478390, Wolf Creek near Clayton, South Dakota—Continued

Water Year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1985	03-16-85	896.00		10.14						0
1986	04-18-86	1,860.00		13.35						6
	03-03-86	210.00	9							
	03-18-86	800.00	9							
	04-05-86	674.00		9.52						
	05-11-86	482.00		8.61						
	06-22-86	199.00		6.83						
	09-22-86	1,410.00		12.32						
1987	03-25-87	1,310.00		11.82						1
	07-05-87	202.00		6.95						
1988	05-21-88	401.00		7.98	2		9.48	02-29-88	1	1
	07-29-88	191.00		6.68						
1989	03-10-89	100.00		8.39	1					0
1990	05-20-90	21.00	2	4.75						0
1991	05-31-91	80.00	2	5.78						0
1992	07-02-92	310.00		7.64						0
1993	07-05-93	5,390.00		17.39						0
1994	03-06-94	1,050.00		10.79	1					0

**Table 203.** Station 06478400, Lonetree Creek tributary near Kaylor, South Dakota

Station locator                      Drainage area:                      3.65 mi<sup>2</sup>  
 Contributing                              drainage area:                      3.65 mi<sup>2</sup>  
 Latitude Longitude                      Gage datum:  
 431718 0975010                      Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1970	04-22-70	12.00		2.59						0
1971	06-07-71	36.00		3.41						0
1972	03-15-72	15.00		4.84	1					0
1973	03-14-73	30.00		4.22	1					0
1974	10-09-73	26.00		3.11						0
1975	08-22-75	104.00		4.89						0
1976	03-19-76	50.00		4.90	1					0
1977	06-22-77	33.00		3.33						0
1978	04-01-78	48.00		3.75						0
1979	04--79	30.00		5.34	1					0

**Table 204. Station 06478500, James River near Scotland, South Dakota**

Station locator Latitude Longitude  
 431109 0973807  
 Drainage area: 20,653 mi<sup>2</sup>  
 Contributing drainage area: 16,505 mi<sup>2</sup>  
 Gage datum: 1,168.02 ft, above sea level  
 Base discharge: 1,000 ft<sup>3</sup>/s

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water Year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1929	03-31-29	2,970.00		11.92						2
	04-26-29	1,670.00		8.28						
	05-30-29	1,850.00		8.80						
	05-12-30	856.00		5.63						0
1930	04-28-31	289.00		3.12						0
	03-02-32	2,500.00		11.40						1
1931	03-29-32	1,450.00		7.64						
	07-23-33	441.00		4.08						0
1932	09-25-34	1,110.00		7.22						0
	06-29-35	296.00		3.12						0
1933	05-23-36	2,240.00		10.29	2		8.30	03-10-36	1	0
	08-20-37	2,180.00		10.72						3
1934	03-20-37	1,040.00		6.69						
	04-25-37	1,140.00		7.06						
1935	06-27-37	1,480.00		8.42						
	03-03-38	2,100.00		10.52						1
1936	05-25-38	1,360.00		7.67						
	04-01-39	622.00		4.82						0
1937	06-24-40	910.00		5.94						0
	03-10-41	710.00		4.99						0
1938	05-15-42	10,800.00		15.50						3
	06-21-42	1,490.00		8.51						
1939	07-10-42	1,520.00		8.56						
	08-05-42	1,260.00		7.62						
1940	04-14-43	3,110.00		12.65						3
	03-08-43	1,350.00		8.00						
1941	06-12-43	2,030.00		10.28						
	06-16-43	2,250.00		10.86						
1942	06-13-44	5,270.00		14.14						
	03-16-44	1,100.00		11.30						
1943	04-01-44	2,370.00		11.19	1					8
	05-05-44	2,290.00		10.99						
1944	05-25-44	1,790.00		9.60						
	06-05-44	1,590.00		8.91						
1945	07-15-44	2,590.00		11.69						
	08-03-44	2,030.00		10.26						
1946	08-31-44	1,100.00		6.81						

**Table 204. Station 06478500, James River near Scotland, South Dakota—Continued**

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1945	06-18-45	2,500.00		11.49						4
	03-13-45	1,730.00		10.46	1					
	03-31-45	1,570.00		8.79						
	04-18-45	1,470.00		8.36						
1946	05-20-45	1,100.00		6.78						0
	03-22-46	1,760.00		8.92						2
1947	04-16-47	2,460.00		11.37						
	06-10-47	1,730.00		9.41						
1948	06-23-47	1,520.00		8.57						
	04-04-48	5,510.00		15.26						3
	06-28-48	3,040.00		11.97						
	07-23-48	1,280.00		7.63						
1949	08-02-48	1,520.00		8.63						
	04-08-49	3,600.00		13.18	2		14.56	03-09-49	1	3
	03-09-49	2,600.00		14.56	1					
	03-22-49	1,010.00		7.39						
1950	03-30-49	2,590.00		11.67						4
	04-01-50	6,280.00		15.89						
	03-07-50	1,500.00								
	06-06-50	4,720.00		14.56						
1951	08-04-50	1,550.00		7.99						
	09-22-50	1,580.00		8.10						
	03-29-51	5,200.00		15.00						4
	05-21-51	1,660.00		8.54						
1952	06-05-51	2,460.00		11.00						
	06-19-51	2,130.00		9.96						
	07-08-51	3,300.00		13.10						
	04-23-52	6,480.00		16.23						2
1953	02-17-52	1,500.00		10.94	1					
	07-07-52	1,240.00		7.16						
	06-09-53	1,940.00		9.35						4
	03-28-53	1,830.00		8.99						
1954	05-08-53	1,550.00		8.06						
	07-02-53	1,410.00		7.56						
	08-18-53	1,880.00		9.14						
	06-20-54	2,160.00		11.35	2		12.22	06-20-54	1	0
1955	03-13-55	2,220.00		10.18						0
	08-11-56	955.00		5.96						0
1956	06-17-57	1,960.00		9.48						1
	06-01-57	1,030.00		6.62						
1957	04-08-58	1,240.00		7.24						1
	03-29-58	1,120.00		6.82						
1959	05-29-59	216.00		3.62						0
	04-06-60	13,900.00		18.66						0

Table 204. Station 06478500, James River near Scotland, South Dakota—Continued

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1961	06-16-61	1,430.00		8.25	2		9.63	05-15-61	1	0
1962	04-03-62	15,200.00		18.74						4
	06-12-62	8,990.00		16.94						
	07-06-62	5,640.00		15.33						
	08-11-62	2,480.00		11.56						
	09-04-62	1,140.00		7.24						
1963	10-01-62	1,720.00		9.57						0
1964	08-08-64	522.00		4.49						0
1965	06-29-65	1,020.00		7.62						0
1966	04-02-66	2,640.00		11.45	2		11.46	04-04-66		0
1967	06-29-67	2,210.00		10.78						0
1968	09-23-68	1,120.00		7.48						0
1969	04-13-69	14,000.00		18.55						0
1970	03-04-70	2,020.00		9.85						0
1971	03-17-71	2,950.00		13.16	1					0
1972	06-06-72	4,050.00		14.29						0
1973	03-15-73	3,510.00		13.71						0
1974	06-09-74	815.00		7.01						0
1975	08-22-75	1,390.00		8.42						0
1976	02-28-76	464.00		6.39	2		7.90	11-21-75	1	0
1977	03-26-77	2,400.00		12.27						0
1978	04-10-78	6,050.00		15.94						0
1979	03-23-79	3,400.00		13.43						0
1980	04-30-80	322.00								0
1981	02-19-81	41.00		5.48	2					0
1982	06-01-82	2,360.00		11.88						0
1983	06-24-83	3,510.00		13.31						0
1984	06-23-84	29,400.00		20.45						0
1985	03-27-85	4,110.00		13.98						0
1986	04-19-86	12,700.00		18.44						0
1987	03-26-87	11,500.00		17.90						0
1988	03-12-88	800.00		7.50	1					0
1989	04-18-89	2,540.00		11.87						0
1990	05-27-90	476.00		6.17						0
1991	06-20-91	2,310.00		11.38						0
1992	08-12-92	933.00		7.11						0
1993	07-06-93	17,600.00		19.76						0
1994	03-28-94	7,370.00		16.47						0

**Table 205. Station 06478513, James River near Yankton, South Dakota**

Station locator Latitude Longitude  
 425945 0972210  
 Drainage area: 20,942 mi<sup>2</sup>  
 Contributing drainage area: 16,794 mi<sup>2</sup>  
 Gage datum: 1,153.38 ft above sea level  
 Base discharge: 1,200 ft<sup>3</sup>/s

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1982	06-02-82	2,410.00		11.40						0
1983	06-27-83	2,760.00		12.19						0
1984	06-23-84	26,400.00		24.34	2		12.61	02-27-83	1	0
1985	03-31-85	3,820.00		13.25						0
1986	04-22-86	11,000.00		19.71						0
1987	03-29-87	11,100.00		19.98						0
1988	03-03-88	850.00		7.70	1					0
1989	04-20-89	2,220.00	2	10.72						0
1990	05-30-90	387.00		5.38						0
1991	06-22-91	2,210.00		10.70						0
1992	08-13-92	921.00		7.15						0
1993	07-08-93	15,800.00		21.15						0
1994	04-01-94	7,490.00		16.87						0



**Table 206.** Station 06478540, Little Vermillion River near Salem, South Dakota

Drainage area: 78.6 mi<sup>2</sup>  
 Contributing drainage area: 78.6 mi<sup>2</sup>  
 Gage datum: 1,510.00 ft above sea level  
 Base discharge: 10.0 ft<sup>3</sup>/s

Station locator  
 Latitude Longitude  
 434739 0972202

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1967	03-04-67	31.00		4.79						1
1968	06-21-67	22.00		4.58						0
1969	- -68	0.00								0
	04-07-69	596.00		7.58	2		8.53	04-05-69	1	1
	05-06-69	20.00		4.52						1
1970	03-05-70	369.00		6.63						1
	04-24-70	11.00		4.44						2
1971	03-14-71	140.00		6.47	1					2
	02-25-71	12.00								
	03-31-71	14.00		4.41						
1972	03-13-72	32.00		5.07						3
	05-01-72	21.00		4.77						
	05-04-72	25.00		4.86						
	05-15-72	21.00		4.92						
1973	03-06-73	96.00		5.99						1
	03-14-73	24.00		4.75						0
1974	02-21-74	1.00		3.95						0
1975	- -75	0.00								0
1976	03-19-76	8.00					4.39	02-25-76	1	0
1977	03-12-77	223.00		6.38						0
1978	03-21-78	676.00		7.79						0
	04-05-78	100.00		5.75						0
	04-19-78	32.00		4.83						4
	05-09-78	22.00		4.56						
	05-31-78	55.00		5.01						
1979	03-23-79	105.00		6.50						5
	03-18-79	45.00		5.86						
	03-24-79	100.00		6.46						
	04-14-79	30.00		5.22						
	05-10-79	27.00		4.62						
	07-29-79	28.00		4.65						
1980	03-16-80	3.00		4.13						0
1981	- -81	0.00								0
1982	06-02-82	179.00		6.02						2
	02-24-82	65.00	9							
	07-17-82	12.00		4.37						
	07-06-83	30.00		5.35						

**Table 206. Station 06478540, Little Vermillion River near Salem, South Dakota—Continued**

Water Year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1983	03-08-83	210.00	2, 9	5.44	1					9
	10-13-82	42.00								
	11-21-82	55.00								
	02-19-83	198.00								
	04-02-83	67.00								
	04-18-83	117.00								
	05-04-83	42.00								
	06-29-83	10.00								
	07-01-83	40.00								
1984	06-20-84	900.00		6.80	1					6
	03-28-84	220.00								
	04-13-84	555.00								
	04-30-84	29.00								
	05-09-84	26.00								
	06-18-84	464.00								
	07-11-84	14.00								
	03-15-85	406.00								
	02-24-85	15.00								
1985	04-04-85	13.00		7.18	1					3
	04-24-85	13.00								
	09-21-86	315.00								
	03-19-86	106.00								
	04-06-86	130.00								
	04-17-86	276.00								
	05-01-86	77.00								
	05-11-86	53.00								
	06-01-86	26.00								
1986	07-01-86	18.00		6.55						7
	03-26-87	217.00								
	07-11-87	56.00								
	03-07-88	4.50								
	03-27-89	20.00								
	03-13-89	10.00								
	06-20-90	217.00								
	06-19-91	19.00								
	05-19-91	11.00								
1987	08-09-92	169.00		5.46	1, 2		5.11	03-12-88	1	0
	02-29-92	40.00								
	07-16-92	74.00								
	08-27-92	125.00								
	09-09-92	47.00								
	03-27-89	20.00								
	03-13-89	10.00								
	06-20-90	217.00								
	06-19-91	19.00								
1988	05-19-91	11.00		5.38	2		5.19	03-13-89	1	1
	08-09-92	169.00								
	02-29-92	40.00								
	07-16-92	74.00								
	08-27-92	125.00								
	03-27-89	20.00								
	03-13-89	10.00								
	06-20-90	217.00								
	06-19-91	19.00								
1989	05-19-91	11.00		7.23	1		5.19	03-13-89	1	1
	08-09-92	169.00								
	02-29-92	40.00								
	07-16-92	74.00								
	08-27-92	125.00								
	03-27-89	20.00								
	03-13-89	10.00								
	06-20-90	217.00								
	06-19-91	19.00								
1990	05-19-91	11.00		7.23	1		5.19	03-13-89	1	1
	08-09-92	169.00								
	02-29-92	40.00								
	07-16-92	74.00								
	08-27-92	125.00								
	03-27-89	20.00								
	03-13-89	10.00								
	06-20-90	217.00								
	06-19-91	19.00								
1991	05-19-91	11.00		7.23	1		5.19	03-13-89	1	1
	08-09-92	169.00								
	02-29-92	40.00								
	07-16-92	74.00								
	08-27-92	125.00								
	03-27-89	20.00								
	03-13-89	10.00								
	06-20-90	217.00								
	06-19-91	19.00								
1992	05-19-91	11.00		7.23	1		5.19	03-13-89	1	1
	08-09-92	169.00								
	02-29-92	40.00								
	07-16-92	74.00								
	08-27-92	125.00								
	03-27-89	20.00								
	03-13-89	10.00								
	06-20-90	217.00								
	06-19-91	19.00								

**Table 206.** Station 06478540, Little Vermillion River near Salem, South Dakota—Continued

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since (ft)	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1993	07-04-93	3,300.00	2	11.95						17
	10-09-92	10.00		4.44						
	11-12-92	22.00	2	5.17	1					
	11-22-92	18.00	2	5.05	1					
	03-26-93	880.00	2	9.21						
	04-09-93	141.00		6.38						
	05-03-93	84.00		6.04						
	05-09-93	620.00		8.59						
	06-10-93	19.00		5.36						
	06-19-93	705.00		8.98						
	06-25-93	547.00		8.46						
	06-30-93	728.00		9.05						
	07-11-93	800.00	2	9.26						
	07-18-93	602.00		8.65						
	07-25-93	215.00		6.83						
	08-01-93	91.00		5.78						
	08-19-93	126.00		6.12						
09-22-93	13.00		4.49							
1994	03-06-94	270.00		8.38	1					3
	02-20-94	45.00		5.74	1					
	05-01-94	30.00		4.89						
	06-06-94	18.00		5.02						

**Table 207. Station 06478630, West Fork Vermillion River near De Smet, South Dakota**

Station locator                      Drainage area:                      5.34 mi<sup>2</sup>  
 Contributing  
 Latitude Longitude                      drainage area:                      5.34 mi<sup>2</sup>  
 441254 0973304                      Gage datum:  
 Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1970	06-16-70	6.00		3.21						0
1971	03-13-71	10.00		4.76	1					0
1972	06-19-72	32.00		4.62						0
1973	03- -73	2.00		3.84	1					0
1974	02- -74	3.00		3.92	1					0
1975	04-17-75	13.00		3.80						0
1976	03-12-76	7.00		3.92	1					0
1977	03-12-77	40.00		5.15	1					0
1978	03- -78	50.00		6.08	1					0
1979	04- -79	3.00		3.45						0

**Table 208.** Station 06478650, West Fork Vermillion River tributary near Monroe, South Dakota

Station locator                      Drainage area:                      2.74 mi<sup>2</sup>  
 Contributing  
 Latitude Longitude                      drainage area:                      2.74 mi<sup>2</sup>  
 432835 0971539                      Gage datum:  
 Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1969	04-08-69	250.00		11.65	1					0
1970	03-03-70	42.00		5.29	1					0
1971	05-23-71	22.00		4.11						0
1972	05-22-72	39.00		4.71						0
1973	03- -73	25.00		5.76	1					0
1974	06-21-74	26.00		4.25						0
1975	08-22-75	42.00		4.80						0
1976	03-20-76	40.00		7.52	1					0
1977	03-12-77	5.00		4.36	1					0
1978	07-22-78	35.00		4.58						0
1979	04- -79	50.00		12.10	1					0

**Table 209.** Station 06478690, West Fork Vermillion River near Parker, South Dakota

Station locator  
 Latitude Longitude  
 432455 0971218

Drainage area: 377 mi<sup>2</sup>  
 Contributing drainage area: 377 mi<sup>2</sup>  
 Gage datum: 1,340.00 ft above sea level  
 Base discharge: 150 ft<sup>3</sup>/s

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1962	03-28-62	4,340.00		12.33						7
	04-04-62	795.00		7.96						
	05-13-62	534.00		6.98						
	05-30-62	500.00		6.84						
	06-08-62	778.00		7.66						
	06-18-62	496.00		6.54						
	07-06-62	1,540.00		9.86						
1963	07-16-62	518.00		6.83						
	03-24-63	59.00		2.84						0
1964	03-21-64	170.00		4.13						0
1965	06-13-65	164.00		4.24						0
1966	05-23-66	1,170.00		8.88						2
	03-12-66	522.00		6.98						
1967	03-16-66	187.00		4.65						1
	06-19-67	460.00		6.82						
1968	06-07-67	432.00		6.65						
	07-20-68	152.00		4.30						
1969	04-06-69	3,760.00		12.00	2		12.30	04-04-69	1	0
	06-30-69	1,220.00		9.02						2
1970	07-04-69	1,280.00		9.16						
	03-04-70	1,600.00		10.20	1					1
1971	04-24-70	306.00		5.45						
	03-14-71	834.00		7.73						0
1972	03-12-72	750.00		8.66	1					3
	03-12-72	750.00								
1973	05-01-72	484.00		6.52						
	05-13-72	411.00		6.06						
1974	03-06-73	665.00		7.81						3
	02-25-73	170.00								
1975	03-12-73	248.00		5.03						
	03-14-73	332.00		5.81						
1976	02-21-74	75.00		3.93	1					0
	08-22-75	85.00		3.81	1					0
1977	02-26-76	130.00		5.43						0
	03-15-77	314.00		5.62						0
1978	03-22-78	1,510.00		9.47	2		10.15	03-19-78	1	0

**Table 209. Station 06478690, West Fork Vermillion River near Parker, South Dakota—Continued**

Water Year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage- height codes	Highest since	Maximum gage height (ft)	Date	Gage- height codes	Number of partial peaks
1979	03-22-79	1,940.00		10.81	1					3
	03-29-79	502.00		6.41						
	04-13-79	548.00		6.59						
	05-11-79	372.00		5.56						
	02-26-80	55.00		3.65	1					0
	07-03-81	9.00		1.32	2	1.38	02-16-81	1		0
	06-01-82	325.00	9	5.57	2	8.31	02-23-82	1		1
	02-23-82	250.00		8.31	1					
	03-07-83	1,900.00	1,9	10.77						10
	10-11-82	153.00		3.79						
1980	11-15-82	220.00	9							
	11-21-82	512.00		6.35						
	11-25-82	572.00		6.65						
	03-31-83	1,020.00	9	8.16						
	04-13-83	1,160.00		8.62						
	04-15-83	902.00		7.75						
	05-02-83	659.00		6.76						
	06-21-83	1,770.00		10.19						
	06-30-83	785.00		7.45						
	06-16-84	4,800.00		12.57						10
1984	03-29-84	849.00		8.14						
	04-04-84	860.00		8.18						
	04-13-84	4,290.00		12.47						
	05-01-84	417.00		5.23						
	05-07-84	605.00		6.32						
	06-04-84	878.00		7.48						
	06-08-84	1,020.00		7.96						
	06-12-84	1,870.00		10.03						
	06-21-84	4,180.00		12.15						
	07-10-84	183.00		3.59						
1985	03-16-85	1,690.00		9.79						1
	04-24-85	391.00		5.62						
1986	09-20-86	1,710.00		10.78						10
	03-08-86	330.00								
	03-18-86	1,320.00		8.95						
	04-05-86	912.00		7.44						
	04-14-86	819.00		7.04						
	04-18-86	1,570.00		9.62						
	05-02-86	194.00		3.41						
	05-08-86	896.00		7.37						
	05-11-86	1,060.00		8.02						
	06-23-86	183.00		3.34						
1987	09-17-86	333.00		4.19						
	03-25-87	1,760.00		9.92						0

**Table 209. Station 06478690, West Fork Vermillion River near Parker, South Dakota—Continued**

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks	
1988	03-02-88	250.00	2	5.93	1					0	
	03-11-89	100.00	2	4.81	1					0	
	1990	06-22-90	321.00		4.12					0	
	1991	06-22-91	695.00		6.40					0	
	1992	08-07-92	304.00		4.43						3
		02-19-92	210.00		4.08	1					
	1993	07-12-92	174.00		3.65						17
		09-02-92	253.00		4.12						
		05-08-93	6,300.00		13.14						
		03-11-93	250.00	2	4.60	1					
		03-27-93	3,240.00		11.14						
		04-09-93	310.00		4.17						
		05-02-93	322.00		4.24						
		05-23-93	280.00		3.95						
		06-02-93	152.00		3.19						
		06-13-93	557.00		5.57						
		06-16-93	1,020.00		7.86						
06-20-93		1,270.00		8.75							
06-25-93		1,910.00		10.11							
07-01-93		1,520.00		9.49							
07-04-93		4,820.00		12.59							
07-12-93		2,320.00		10.63							
07-18-93		1,660.00		9.74							
07-26-93	1,010.00		7.48								
08-16-93	329.00		4.40								
1994	08-19-93	1,140.00		7.96						3	
	03-05-94	1,700.00		10.18	1						
	02-19-94	750.00		6.45	1						
	06-06-94	274.00		3.71							
	06-23-94	868.00		7.25							



**Table 210. Station 06478800, Saddlerock Creek near Canton, South Dakota**

Station locator                      Drainage area:                      13.0    mi<sup>2</sup>  
 Contributing  
 Latitude Longitude                      drainage area:                      13.0    mi<sup>2</sup>  
 431220 0964337                      Gage datum:                      1,405.00 ft above sea level  
 Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1956	07-07-56	42.00		3.66						0
1957	06-17-57	205.00		5.38						0
1958	02-26-58	42.00		3.66						0
1959	05-28-59	175.00		5.14						0
1960	04-01-60	650.00		7.83						0
1961	03-15-61	44.00		3.67						0
1962	05-18-62	610.00		7.57						0
1963	03-26-63	21.00		3.17						0
1964	07-30-64	38.00		3.89						0
1965	06-12-65	945.00		8.81						0
1966	03-10-66	6.00		3.29	1					0
1967	03-02-67	15.00		5.00	1					0
1968	09-18-68	48.00		4.04						0
1969	04-08-69	700.00		8.80	1					0
1970	04-01-70	25.00		4.05	1					0
1971	07-10-71	66.00		4.30						0
1972	05-01-72	255.00		5.88						0
1973	04-15-73	92.00		4.60						0
1974	06-22-74	28.00		3.69						0
1975	06-18-75	67.00		4.32						0
1976	03-12-76	50.00		4.31	1					0
1977	03- -77	5.00								0
1978	03- -78	100.00		5.75	1					0

**Table 211. Station 06478820, Saddlerock Creek tributary near Beresford, South Dakota**

Station locator      Drainage area:      2.22    mi<sup>2</sup>  
 Contributing  
 Latitude Longitude      drainage area:      2.22    mi<sup>2</sup>  
 431221 0964551      Gage datum:  
 Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1956	07-07-56	3.00								0
1957	06-17-57	23.00								0
1958	02-26-58	20.00								0
1959	05-30-59	20.00								0
1960	04-12-60	72.00								0
1961	- -61	32.00								0
1962	05-18-62	94.00								0
1963	03-19-63	4.00								0
1964	09-17-64	8.00								0
1965	06-12-65	97.00								0
1966	03-10-66	0.00								0
1967	06-19-67	19.00								0
1968	- -68	0.00								0
1969	04-04-69	32.00		4.39	1					0
1970	04-22-70	0.00		3.08						0
1971	06-06-71	104.00		4.82						0
1972	05-13-72	6.00		3.23						0
1973	03-14-73	15.00		4.27	1					0
1974	- -74	5.00								0
1975	08-22-75	4.00		3.18						0
1976	03-12-76	25.00		3.90	1					0
1977	03-12-77	5.00								0
1978	07-22-78	120.00		5.05						0
1979	05-10-79	51.00		4.07						0
1980	03- -80	10.00		3.77	1					0

**Table 212.** Station 06478840, Saddlerock Creek near Beresford, South Dakota

Station locator                      Drainage area:                      23.1    mi<sup>2</sup>  
 Contributing                              23.1    mi<sup>2</sup>  
 Latitude Longitude                      drainage area:                      23.1    mi<sup>2</sup>  
 431255 0964933                      Gage datum:                      1,300.00    ft above sea level  
 Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1956	- -56	8.00								0
1957	06-17-57	140.00		4.91						0
1958	03-26-58	16.00		2.42						0
1959	05-28-59	57.00		3.70						0
1960	04-01-60	1,100.00								0
1961	02-14-61	17.00		2.80	1					0
1962	06-16-62	340.00		6.32						0
1963	03-19-63	19.00		2.54						0
1964	05-12-64	13.00		2.30						0
1965	06-12-65	1,480.00		9.80						0
1966	03-09-66	15.00		2.50	1					0
1967	06-19-67	44.00		3.34						0
1968	- -68	6.00								0
1969	04-08-69	900.00		8.39						0
1970	03-18-70	21.00		2.51						0
1972	05-13-72	68.00		3.93						0
1973	04-15-73	100.00		4.47						0
1974	06-22-74	390.00		6.60						0
1975	04-16-75	10.00								0
1976	03-12-76	70.00		4.63	1					0
1977	05-22-77	41.00		3.26						0
1978	03- -78	200.00		5.53	1					0
1979	05-10-79	460.00		6.92						0
1980	04-03-80	49.00		3.50						0

**Table 213.** Station 06478950, Ash Creek near Beresford, South Dakota

Station locator      Drainage area:      5.00 mi<sup>2</sup>  
 Contributing  
 Latitude Longitude      drainage area:      5.00 mi<sup>2</sup>  
 430501 0965008      Gage datum:  
 Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1969	07-17-69	312.00		5.11						0
1970	06-18-70	73.00		2.87						0
1971	06-06-71	1,050.00		10.45						0
1972	05-23-72	50.00		2.59						0
1973	03-14-73	240.00		4.97	1					0
1974	06-22-74	321.00		5.19						0
1975	06-21-75	242.00		4.47						0
1976	03-19-76	50.00		4.51	1					0
1977	09-12-77	303.00		5.03						0
1978	07-22-78	584.00		7.38						0
1979	05-10-79	365.00		5.58						0

**Table 214. Station 06479000, Vermillion River near Wakonda, South Dakota**

Station locator  
 Latitude Longitude  
 425927 0965749

Drainage area: 2,170 mi<sup>2</sup>  
 Contributing drainage area: 1,676 mi<sup>2</sup>  
 Gage datum: 1,150.90 ft above sea level  
 Base discharge: 1,000 ft<sup>3</sup>/s

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water Year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since (ft)	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1946	03-16-46	730.00		10.67	2		10.88	02-24-46	1	0
1947	06-13-47	3,010.00		16.63						1
	04-15-47	2,190.00		15.00						
1948	03-18-48	2,440.00		15.76	2		15.82	03-03-48	1	2
	03-03-48	1,100.00		15.82	1					
	08-02-48	1,060.00		12.62						
1949	03-08-49	2,650.00		15.28	2		15.90	03-05-49	1	2
	03-29-49	1,120.00		12.50						
	04-08-49	1,290.00		13.20						
1950	03-27-50	1,470.00		13.84	2		13.99	03-25-50	1	0
1951	04-05-51	2,650.00		14.83	2		16.25	03-30-51	1	2
	07-08-51	2,530.00		15.69						
	09-09-51	1,190.00		13.06						
1952	04-04-52	3,280.00		15.40	2		16.37	03-31-52	1	2
	02-17-52	1,200.00		13.54	1					
	03-22-52	1,750.00		15.10	1					
1953	06-11-53	1,900.00		15.23						1
	03-14-53	1,100.00		13.60	1					
1954	06-21-54	3,790.00		15.83	2		16.56	06-19-54	1	0
1955	03-12-55	1,080.00		12.42						0
1956	06-08-56	156.00		5.86						0
1957	06-21-57	2,990.00		16.48						1
	07-06-57	1,120.00		12.47						
1958	04-08-58	303.00	5	6.84						0
1959	06-02-59	1,480.00	5	13.95						0
1960	04-01-60	7,300.00	5	16.94						1
	04-08-60	6,800.00	5	15.39						
1961	06-17-61	1,500.00	5	14.08						0
1962	03-31-62	8,660.00	5				16.75	03-28-62	1	3
	06-11-62	1,200.00	5							
	06-18-62	1,390.00	5							
	07-11-62	1,520.00	5							
1963	03-27-63	203.00	5	5.97						0
1964	03-25-64	300.00	5	7.47	1					0
1965	06-15-65	1,100.00	5	12.84						0
1966	02-12-66	950.00	5	13.01	1					0
1967	06-22-67	1,080.00	5	12.37						0

Table 214. Station 06479000, Vermillion River near Wakonda, South Dakota—Continued

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1968	07-17-68	265.00	5	6.84						0
1969	04-08-69	9,880.00	5	16.22	2		17.17	04-06-69		1
	07-07-69	1,200.00	5	11.98						
1970	03-08-70	1,640.00	5	14.23						0
1971	02-19-71	1,700.00	5	16.00	1					1
	03-18-71	1,010.00	5	11.96						
1972	05-04-72	2,590.00	5	16.15						3
	03-14-72	2,020.00	5	15.13						
	05-16-72	1,190.00	5	12.92						
	05-27-72	1,460.00	5	13.86						
1973	03-09-73	2,000.00	5				15.27	03-06-73	1	1
	03-16-73	1,500.00	5	13.92						
1974	06-23-74	462.00	5	8.63						0
1975	08-25-75	129.00	5	5.53	2		5.78	03-25-75	1	0
1976	03-16-76	469.00	5	8.60	2		8.87	02-18-76	1	0
1977	03-15-77	355.00	5	8.00	2		8.80	03-14-77	1	0
1978	03-22-78	2,750.00	5	16.44						1
	07-23-78	2,460.00	5	15.66						
1979	03-25-79	4,860.00	5	16.57						2
	04-15-79	1,210.00	5	12.78						
	05-12-79	1,220.00	5	12.87						
1980	04-05-80	281.00	5				7.85	02-22-80	1	0
1981	06-14-81	506.00	5	9.77	1					0
1982	05-31-82	923.00	5	11.64						0
1983	06-28-83	5,020.00	5	16.71	2		17.03	06-22-83	1	7
	11-23-82	1,040.00	5	10.72						
	03-07-83	4,900.00	5	16.46						
	04-03-83	3,340.00	5	14.89						
	04-16-83	3,380.00	5	14.97						
	05-06-83	2,480.00	5	13.75						
	06-22-83	3,300.00	5	17.03						
	07-30-83	1,090.00	5	11.96						
1984	06-23-84	17,000.00	5	17.62						0
1985	04-25-85	2,400.00	5	15.60						0
1986	04-22-86	2,900.00	5	16.50						0
1987	03-29-87	2,000.00	2,5	16.40	5					0
1988	--88	550.00	2,5,B	7.90	1,5					0
1989	03-13-89	400.00	2,5	7.60	1					0
1990	06-16-90	1,300.00	2,5	11.25						0
1991	06-24-91	462.00	5	7.10						0
1992	09-04-92	950.00	5	10.65						0
1993	07-07-93	13,000.00	5	17.33						0
1994	03-09-94	2,500.00	5	16.51						0

**Table 215. Station 06479010, Vermillion River near Vermillion, South Dakota**

Station locator  
 Latitude Longitude  
 424902 0965526

Drainage area: 2,302 mi<sup>2</sup>  
 Contributing drainage area: 1,808 mi<sup>2</sup>  
 Gage datum: 1,125.00 ft above sea level  
 Base discharge: 1,000 ft<sup>3</sup>/s

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since (ft)	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1984	06-23-84	21,400.00	5	31.77						2
	04-16-84	10,800.00	5	27.68						
1985	05-29-84	1,210.00	5	12.88						2
	04-27-85	2,120.00	5	15.68						
	03-22-85	2,050.00	5	15.68						
	06-27-85	1,230.00	5	12.57						
1986	04-23-86	2,910.00	5	17.91						4
	03-23-86	2,540.00	5	16.91						
	04-09-86	2,260.00	5	16.09						
	05-17-86	2,260.00	5	16.10						
	09-30-86	2,170.00	5	15.82						
	03-30-87	2,350.00	5	16.37						
1987		600.00		10.23	1					0
1988	02-29-88	600.00	2,5	9.41	1					0
1989	03-13-89	450.00	2,5	13.52						0
1990	06-17-90	1,430.00	5	9.35						0
1991	06-25-91	491.00	5	12.31						0
1992	09-04-92	997.00	5	26.68	1					0
1993	07-08-93	10,200.00	2,5	15.92						7
	10-09-92	2,000.00	5	23.89						
	04-02-93	6,620.00	5	12.14						
	05-04-93	1,350.00	5	16.89						
	05-18-93	2,920.00	5	16.05						
	05-30-93	2,610.00	5	26.18						
1994	07-15-93	10,100.00	5	14.60						
	08-16-93	2,110.00	5	16.02	2					2
	03-09-94	2,480.00	5	16.04	1					
	02-19-94	2,000.00	5	12.21						
	06-25-94	1,190.00	5							

**Table 216.** Station 06479020, Smoky Run near Irene, South Dakota

Station locator                      Drainage area:                      4.96 mi<sup>2</sup>  
 Latitude Longitude                Contributing                      4.96 mi<sup>2</sup>  
    drainage area:  
 430456 0971912                      Gage datum:  
    Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1969	04-03-69	75.00		5.77	1					0
1970	04-22-70	6.00		3.26						0
1971	06-14-71	35.00		4.36						0
1972	05-01-72	46.00		4.66						0
1973	03-14-73	30.00		5.46	1					0
1974	06-09-74	22.00		3.93						0
1975	04- -75	5.00		3.85	1					0
1976	03-19-76	10.00		3.90	1					0
1977	03-12-77	8.00		3.65	1					0
1978	07-21-78	23.00		4.01						0
1979	04- -79	10.00		4.35	1					0



**Table 217. Station 06479200, Big Sioux River near Orley, South Dakota**

Station Locator      Drainage area:      53.8      mi<sup>2</sup>  
 Latitude Longitude      Contributing  
                                  drainage area:      53.8      mi<sup>2</sup>  
 451330 0970935      Gage datum:  
                                  Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1956	05-28-56	56.00		4.25	1					0
1957	03-21-57	110.00		5.02	1					0
1958	04-06-58	126.00		5.25	1					0
1959	05-30-59	30.00		3.75	1					0
1960	03-29-60	495.00		5.39						0
1961	05-17-61	41.00		3.97	1					0
1962	07-01-62	950.00		5.73						0
1963	07-26-63	285.00		4.92						0
1964	04-16-64	66.00		4.21						0
1965	05-24-65	350.00		5.02						0
1966	03-12-66	660.00		5.52						0
1967	03-20-67	150.00		5.42	1					0
1968	05-08-68	15.00		2.95						0

**Table 218. Station 06479215, Big Sioux River near Florence, South Dakota**

Station locator  
 Latitude Longitude  
 451051 0971109

Drainage area: 638 mi<sup>2</sup>  
 Contributing drainage area: 67.9 mi<sup>2</sup>  
 Gage datum: 1,780.00 ft above sea level  
 Base discharge: 40 ft<sup>3</sup>/s

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since (ft)	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1984	06-15-84	194.00		8.05						3
	06-08-84	47.00		5.97						
	06-10-84	47.00		5.97						
	06-17-84	115.00		7.40						
	03-20-85	268.00		7.72	2	8.33	8.33	03-16-85	1	1
1985	05-12-85	55.00		5.69						
	03-29-86	1,810.00		9.08						6
1986	04-15-86	342.00		7.84						
	04-19-86	203.00		7.38						
	04-28-86	94.00		6.21						
	05-10-86	137.00		7.16						
	06-12-86	531.00		8.16						
	06-21-86	129.00		7.03						
	03-25-87	177.00		7.51						0
	02-28-88	14.00	2	5.62	1					0
	03-27-89	500.00	2	8.34	1					1
	03-11-89	250.00	2							
1990	05-23-90	21.00		4.79	2	5.12	5.12	03-10-90	1	0
	08-02-91	287.00		8.16						5
1991	05-31-91	80.00		6.62						
	06-21-91	86.00		6.80						
	06-30-91	156.00		7.66						
	07-22-91	59.00		6.18						
	08-06-91	88.00		6.83						
	06-30-92	268.00		7.72						4
	03-01-92	40.00	2							
	03-06-92	52.00		5.58						
	06-19-92	82.00		5.90						
	07-10-92	110.00		6.38						
1993	07-25-93	1,280.00		9.18						
	03-27-93	1,000.00	2	8.81	1					11
	03-31-93	268.00		7.56						
	04-14-93	109.00		6.56						
	05-09-93	56.00		5.39						
1994	06-20-93	87.00		6.87						
	06-25-93	57.00		6.14						
	06-30-93	151.00		7.66						

**Table 218.** Station 06479215, Big Sioux River near Florence, South Dakota—Continued

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1993	07-04-93	88.00		6.89						
	07-07-93	762.00		8.79						
	07-13-93	64.00		6.31						
1994	07-17-93	762.00		8.79						
	03-19-94	1,140.00		8.79						11
	03-24-94	175.00		7.39						
	03-28-94	61.00		5.53						
	04-02-94	48.00		5.07						
	04-15-94	53.00		5.13						
	04-28-94	89.00		6.24						
	05-15-94	63.00		5.55						
	06-18-94	56.00		5.48						
07-07-94	1,040.00		8.72							
07-09-94	388.00		7.99							
07-17-94	84.00		6.20							
07-21-94	206.00		7.55							

**Table 219. Station 06479240, Big Sioux River tributary No. 2 near Summit, South Dakota**

Station locator                      Drainage area:                      0.26 mi<sup>2</sup>  
 Latitude Longitude                Contributing  
    drainage area:                      0.26 mi<sup>2</sup>  
 451345 0970605                      Gage datum:  
    Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1956	04-02-56	3.00		2.68	1					0
1957	03-20-57	5.00		3.02	1					0
1958	04-06-58	18.00		2.98						0
1959	03-06-59	1.00		2.02	1					0
1960	04- -60	26.00		3.47						0
1961	04- -61	3.00		1.76						0
1962	07-01-62	53.00		5.16						0
1963	06-09-63	5.00		1.99						0
1964	04-05-64	13.00		2.70						0
1965	05-24-65	38.00		4.23						0
1966	03-13-66	6.00		2.06						0
1967	06-14-67	13.00		2.62						0
1968	- -68	0.00								0
1969	04-06-69	40.00		4.32						0
1970	06-16-70	3.00		1.80						0
1971	06-29-71	50.00		4.97						0
1972	07-26-72	9.00		2.27						0
1973	03-14-73	3.00		2.02	1					0

Table 220. Station 06479260, Big Sioux River tributary No. 3 near Summit, South Dakota

Station locator  
 Latitude Longitude  
 451330 0970627

Drainage area: 6.61 mi<sup>2</sup>  
 Contributing drainage area: 6.61 mi<sup>2</sup>  
 Gage datum: Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1956	04-02-56	40.00		4.96	1					0
1957	05-21-57	105.00		4.40						0
1958	04-06-58	175.00		4.82						0
1959	05-30-59	2.00		2.71						0
1960	03-30-60	255.00		5.17						0
1961	05-17-61	17.00		3.33						0
1962	07-01-62	1,050.00		10.68						0
1963	06-09-63	170.00		4.78						0
1964	04-05-64	120.00		4.50						0
1965	05-24-65	365.00		6.15						0
1966	03-12-66	75.00		4.66	1					0
1967	06-14-67	250.00		5.15						0
1968	05-08-68	10.00		3.13						0
1969	04-08-69	800.00		10.18						0
1970	06-16-70	52.00		3.90						0
1971	06-29-71	480.00		7.57						0
1972	07-26-72	330.00		5.72						0
1973	05-24-73	90.00		4.27						0
1974	03-03-74	25.00		4.75	1					0
1975	04- -75	3.00		6.14	1					0
1976	03-12-76	15.00		5.53	1					0
1977	06-16-77	106.00		4.40						0
1978	05-29-78	112.00		4.44						0

**Table 221. Station 06479350, Soo Creek tributary near South Shore, South Dakota**

Station locator                      Drainage area:                      1.56 mi<sup>2</sup>  
 Latitude Longitude                Contributing  
    drainage area:                      1.56 mi<sup>2</sup>  
 450622 0970112                      Gage datum:  
    Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1970	04-19-70	26.00		4.28						0
1971	06-29-71	38.00		4.61						0
1972	04-12-72	140.00		6.67						0
1973	03-14-73	50.00		5.85	1					0
1974	03-03-74	20.00		6.65	1					0
1975	04--75	15.00		7.87	1					0
1976	03-12-76	5.00		5.14	1					0
1977	06-16-77	279.00		8.80						0
1978	07-06-78	280.00		8.82						0
1979	04--79	25.00		7.42	1					0

**Table 222. Station 06479438, Big Sioux River near Watertown, South Dakota**

Drainage area: 1,007 mi<sup>2</sup>  
 Contributing drainage area: 228 mi<sup>2</sup>  
 Gage datum: 1,725.81 ft above sea level  
 Base discharge: 300 ft<sup>3</sup>/s

Station locator  
 Latitude Longitude  
 450022 0970953

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1973	03-15-73	595.00		8.11						0
1974	04-04-74	232.00		6.75	2		7.88	03-04-74	1	0
1975	04-17-75	301.00		7.75						0
1976	03-24-76	288.00		7.07	2		8.40	03-20-76	1	0
1977	06-16-77	938.00		8.77	2		9.52	03-13-77	1	1
1978	03-13-77	450.00		9.52	1					2
	03-30-78	3,720.00		11.07						
	04-05-78	396.00		7.65						
	08-27-78	411.00		8.33						
1979	04-13-79	1,780.00		9.82	1					2
	04-17-79	1,230.00		9.09						
	08-06-79	342.00		7.43						
1980	03-19-80	330.00		8.04						0
1981	06-15-81	88.00		5.50						0
1982	03-30-82	250.00	9	8.97						0
1983	04-02-83	396.00		7.52						0
1984	06-16-84	1,330.00		9.25	2		9.52	03-25-84	1	3
	03-25-84	1,000.00	9	9.52	1					
	03-31-84	416.00		7.58						
	04-13-84	344.00		7.30						
1985	03-17-85	1,700.00		9.62	1					1
	07-18-85	800.00		8.40						
1986	03-30-86	4,970.00		11.08						4
	04-14-86	1,470.00		9.07						
	05-09-86	793.00		8.21						
	06-12-86	1,200.00		8.76						
	03-25-87	601.00		8.01						0
1988	03-25-88	110.00	2	6.26	1,2		7.08	03-02-88	1	0
1989	03-27-89	900.00	2	8.98	1,2		9.09	03-24-89	1	1
	03-11-89	500.00	2							
1990	06-18-90	28.00		4.56	2		4.61	02-06-90	1	0
1991	06-21-91	3,300.00		11.13	1					2
	07-01-91	1,190.00		9.29						
	08-03-91	886.00		8.87						
1992	07-02-92	736.00		8.07						1
	06-20-92	472.00		7.54						

**Table 222. Station 06479438, Big Sioux River near Watertown, South Dakota—Continued**

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1993	03-28-93	4,000.00	2	11.07	1					6
	04-15-93	433.00		7.60						
	06-20-93	330.00		7.30						
	07-01-93	562.00		8.05						
	07-04-93	535.00		7.98						
	07-17-93	1,850.00		9.78						
1994	07-26-93	1,990.00		9.89						4
	03-20-94	2,110.00		9.86						
	04-27-94	369.00		7.46						
	06-18-94	712.00		8.30						
	06-23-94	1,050.00		8.83						
	07-09-94	886.00		8.58						



Table 223. Station 06479500, Big Sioux River at Watertown, South Dakota

Station locator  
 Latitude Longitude  
 445633 0970845

Drainage area: 1,129 mi<sup>2</sup>  
 Contributing drainage area: 350 mi<sup>2</sup>  
 Gage datum: 1,710.00 ft above sea level  
 Base discharge: 400 ft<sup>3</sup>/s

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1946	03-15-46	684.00		8.25	1					0
1947	04-13-47	952.00		8.93						0
1948	03-26-48	762.00		8.30						0
1949	04-02-49	229.00		6.07						0
1950	03-27-50	320.00		7.22	1					0
1951	04-07-51	2,220.00		6.34	2		7.80	03-29-51	1	0
1952	04-09-52	2,220.00		10.30	2		10.35	04-04-52	1	0
1953	07-28-53	876.00		8.92						0
1954	06-07-54	624.00		7.55						0
1955	03-10-55	273.00		7.58	1					0
1956	06-22-56	194.00		5.80						0
1957	05-26-57	304.00		6.51	2		6.56	03-21-57	1	0
1958	04-11-58	140.00		5.10						0
1959	05-31-59	4.00		4.92	2		6.06	03-07-59		0
1960	03-30-60	727.00		10.29	1					0
1961	05-18-61	8.00					5.94	03-14-61	1	0
1962	05-23-62	1,380.00		9.46						0
1963	05-13-63	162.00		6.14	2		6.77	06-10-63		0
1964	04-28-64	121.00		5.90	2		7.49	05-06-64		0
1965	05-25-65	327.00		6.99	2		9.18	04-05-65		0
1966	03-11-66	800.00		9.24	1					0
1967	03-29-67	138.00		5.96	2		6.79	03-25-67	1	0
1968	05-08-68	12.00		4.14	2		4.53	03-05-68	1	0
1969	04-08-69	1,750.00		11.40	1					0
1970	03-04-70	220.00		7.62	1					0
1971	03-13-71	85.00					6.70	03-13-71	1	0
1972	03-16-72	654.00		8.86						0
	03-21-72	510.00		8.31						0
	05-30-72	566.00		8.27						2

Table 224. Station 06479515, Willow Creek near Watertown, South Dakota

Station locator Latitude Longitude  
 445417 0970331  
 Drainage area: 110 mi<sup>2</sup>  
 Contributing drainage area: 110 mi<sup>2</sup>  
 Gage datum: 1,721.24 ft above sea level  
 Base discharge: 200 ft<sup>3</sup>/s

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1972	05-29-72	1,220.00		6.23	2		9.86	03-15-72	1	7
	03-15-72	500.00								
	03-21-72	1,050.00		6.01						
	04-12-72	665.00		5.45						
	05-01-72	665.00		5.45						
	05-14-72	227.00		4.58						
1973	05-23-72	1,180.00		6.18						
	06-19-72	231.00		4.60						
	03-07-73	325.00					5.68	02-24-73	1	0
	03-03-74	125.00					6.12	03-02-74	1	0
	04-18-75	250.00								0
	03-24-76	347.00					5.83	03-18-76	1	0
	06-16-77	708.00					7.39	03-12-77	1	1
	03-12-77	400.00								
	03-31-78	2,930.00					9.12	03-28-78	1	3
	04-07-78	750.00								
1979	08-27-78	1,550.00		6.24						
	04-12-79	1,200.00		7.22	1					3
	04-16-79	658.00		5.39						
	04-20-79	380.00		4.96						
	06-16-79	580.00		5.33						
	06-05-80	636.00		5.45						
	04-10-81	9.50		3.99						
	03-30-82	250.00	9	5.39	1					0
	04-01-83	480.00		5.23						0
	06-15-84	4,040.00		7.50	2		8.16	03-25-84	1	5
1984	03-25-84	1,800.00		8.16	1					
	04-12-84	281.00		4.78						
	06-06-84	1,800.00		6.42						
	06-08-84	1,450.00		6.18						
	06-23-84	375.00		4.98						
	03-19-85	1,600.00		6.76	1,2		7.71	03-16-85	1	2
	07-18-85	425.00		5.07						
	09-09-85	224.00		4.66						

**Table 224.** Station 06479515, Willow Creek near Watertown, South Dakota—Continued

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since (ft)	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1986	03-30-86	3,500.00	9	8.96						7
	04-03-86	897.00		5.89						
	04-05-86	897.00		5.89						
	04-14-86	2,780.00		7.16						
	04-18-86	673.00		5.64						
	04-24-86	237.00		4.69						
	05-09-86	1,210.00		6.18						
07-30-86	350.00	5.09								

Table 225. Station 06479525, Big Sioux River near Castlewood, South Dakota

Station locator  
 Latitude Longitude  
 444354 0970239

Drainage area: 1,997 mi<sup>2</sup>  
 Contributing drainage area: 570 mi<sup>2</sup>  
 Gage datum: 1,667.52 ft above sea level  
 Base discharge: 450 ft<sup>3</sup>/s

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water Year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since (ft)	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1977	06-16-77	1,090.00	5	10.33						0
1978	03-31-78	1,740.00	5	11.10						3
	03-28-78	1,450.00	5,9	11.20	1					
	08-24-78	523.00	5	8.35						
	08-28-78	495.00	5	8.04						
1979	04-14-79	1,440.00	5,9	11.23	2		11.24	04-13-79	1	2
	04-21-79	1,120.00	5	10.59						
	06-17-79	1,260.00	5	10.27						
1980	06-05-80	617.00	5	8.80						0
1981	07-22-81	368.00	5	7.60						0
1982	03-31-82	380.00	5,9	8.62	1					0
1983	04-01-83	302.00	5	7.26						0
1984	06-16-84	1,160.00	5	10.68						3
	03-27-84	750.00	5,9	10.05	1					
	06-08-84	856.00	5	9.65						
	06-23-84	539.00	5	8.33						
1985	03-19-85	1,830.00	5	11.14						1
	09-09-85	472.00	5	8.45						
1986	03-30-86	2,250.00	5	11.73						3
	04-15-86	1,800.00	5	11.19						
	05-10-86	1,290.00	5	10.50						
	06-11-86	524.00	5	8.36						
1987	03-25-87	517.00	5	7.88						0
1988	03-02-88	200.00	2,5	7.60	1					0
1989	03-25-89	400.00	2,5	9.81	1					0
1990	06-17-90	260.00	5	6.53						0
1991	06-22-91	1,270.00	5	10.93						0
1992	06-19-92	657.00	5	9.15						0
1993	03-28-93	1,500.00	2,5	11.39	1					6
	04-17-93	644.00	5	8.78						
	05-10-93	492.00	5	8.03						
	06-20-93	470.00	5	8.31						
	07-05-93	604.00	5	9.08						
	07-26-93	950.00	5	10.36						
	08-16-93	571.00	5	8.90						

**Table 225. Station 06479525, Big Sioux River near Castlewood, South Dakota—Continued**

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1994	08-10-94	1,440.00	5	10.71	2		11.21	03-16-94	1	6
	03-16-94	1,000.00	5	11.21	1					
	03-20-94	1,300.00	5	10.75						
	06-18-94	845.00	5	9.37						
	06-24-94	499.00	5	8.01						
	07-09-94	615.00	5	8.56						
	07-15-94	673.00	5	8.82						

**Table 226.** Station 06479529, Stray Horse Creek near Castlewood, South Dakota

Station locator  
 Latitude Longitude  
 444352 0965723

Drainage area: 74.5 mi<sup>2</sup>  
 Contributing drainage area: 74.5 mi<sup>2</sup>  
 Gage datum: 1,703.88 ft above sea level  
 Base discharge: 175 ft<sup>3</sup>/s

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1969	04-07-69	14,000.00		14.65						1
	04-10-69	842.00		8.87						
	03-03-70	500.00		9.76	1					1
	06-16-70	238.00		7.27						
1971	03-12-71	400.00		9.00	1					0
	05-29-72	2,960.00		11.05						6
1972	03-21-72	384.00		7.85						
	04-12-72	488.00		8.16						
	05-01-72	592.00		8.46						
	05-23-72	528.00		8.28						
	07-21-72	1,060.00		9.23						
	07-26-72	236.00		7.31						
	03-06-73	290.00				8.06	8.06	02-24-73	1	0
	03-03-74	75.00		8.83	1					0
	04-17-75	140.00		7.71	1					0
	03-19-76	902.00		10.33	1					0
1976	06-16-77	1,750.00		10.22	2		10.45	03-12-77	1	1
	03-12-77	900.00		10.45	1					
1978	03-30-78	2,000.00					13.84	03-27-78	1	5
	03-27-78	1,400.00		13.84	1					
	04-01-78	984.00		9.33						
	04-04-78	257.00		7.51						
	04-06-78	255.00		7.47						
	05-28-78	223.00		7.37						
	04-13-79	900.00					10.86	04-11-79	1	3
	04-11-79	400.00		10.86	1					
	06-16-79	508.00		8.33						
	08-09-79	390.00		8.07						
1980	06-22-80	1,750.00		10.09						
	03-16-80	632.00		8.53						4
	03-21-80	316.00		7.66						
	03-22-80	211.00		7.21						
	06-05-80	623.00		8.48						
	07-22-81	618.00		8.48						0
1981	03-29-82	370.00		8.00	1					0
	04-01-83	489.00	9	8.18						1
1982	02-19-83	309.00		7.72						

**Table 226. Station 06479529, Stray Horse Creek near Castlewood, South Dakota—Continued**

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1984	06-15-84	1,180.00		9.50	2		10.78	03-24-84	1	7
	03-24-84	550.00	9	10.78	1					
	03-30-84	531.00		8.35						
	04-12-84	213.00		7.28						
	06-06-84	503.00		8.28						
	06-08-84	330.00		7.77						
	06-10-84	511.00		8.30						
	06-22-84	280.00		7.57						
1985	09-08-85	1,970.00		10.50	2		10.62	03-18-85	1	4
	10-19-84	227.00		7.48						
	02-21-85	250.00		7.98	1					
	03-18-85	1,800.00		10.62	1					
	09-03-85	423.00		8.20						

**Table 227. Station 06479550, Dolph Creek tributary near Lake Norden, South Dakota**

Station locator Latitude Longitude  
 443515 0971937  
 Drainage area: 5.91 mi<sup>2</sup>  
 Contributing drainage area: 5.91 mi<sup>2</sup>  
 Gage datum:  
 Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water Year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1970	06-16-70	24.00		3.78						0
1971	03-13-71	9.00		4.65	1					0
1972	07-21-72	64.00		4.46						0
1973	03-0 -73	20.00		4.90	1					0
1974	03-0 -74	5.00		3.68	1					0
1975	04-0 -75	1.00		2.84						0
1976	03-12-76	10.00		4.23	1					0
1977	06-16-77	23.00		4.07						0
1978	04-18-78	32.00		3.93						0
1979	06-16-79	24.00		3.77						0



**Table 228. Station 06479640, Hidewood Creek near Estelline, South Dakota**

Station Locator  
 Latitude Longitude  
 443642 0965417

Drainage area: 164 mi<sup>2</sup>  
 Contributing drainage area: 164 mi<sup>2</sup>  
 Gage datum: 1,665.00 ft above sea level  
 Base discharge: 300 ft<sup>3</sup>/s

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since (ft)	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1969	04-07-69	3,630.00		11.30	2		11.55	04-08-69	1	1
	07-04-69	497.00		7.77						
1970	03-03-70	800.00		9.10	1					1
	03-03-70	800.00								
1971	03-12-71	850.00		8.94	1					1
	06-30-71	781.00		7.03						
1972	05-30-72	1,140.00		8.34						4
	03-15-72	450.00								
	04-13-72	441.00		6.38						
	05-02-72	444.00		6.39						
	08-01-72	462.00		6.94						
1973	03-07-73	450.00		7.22	1					1
	03-12-73	390.00		5.92						
	03-03-74	225.00		7.13	1		6.39	04-17-75	1	0
1974	04-18-75	250.00		8.43	1					0
1975	03-20-76	700.00		8.99	1					0
1976	03-12-77	950.00		7.63						1
1977	06-16-77	653.00		9.75	2		10.11	03-28-78	1	2
1978	03-31-78	1,910.00		6.08						
	04-24-78	451.00		6.68						
	05-28-78	616.00								
1979	04-16-79	900.00		10.08	1		10.08	04-13-79	1	3
	04-13-79	600.00		7.27						
	06-17-79	853.00		5.49						
	08-05-79	336.00		10.06						
1980	06-05-80	2,070.00		7.18	1					2
	03-16-80	400.00		5.99						
	06-03-80	314.00		3.66						
1981	07-22-81	78.00		6.48	2		6.78	03-14-82	1	0
1982	03-30-82	588.00	9	6.78	1					1
	03-14-82	320.00		6.91						
1983	04-01-83	759.00		8.22	2		8.81	03-25-84	1	0
1984	06-15-84	1,110.00		8.81	1					5
	03-25-84	350.00	9	6.45						
	04-12-84	395.00		6.49						
	06-08-84	405.00		7.25						
	06-11-84	658.00		6.60						
	06-23-84	437.00								

**Table 228.** Station 06479640, Hidewood Creek near Esteline, South Dakota—Continued

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1985	03-20-85	1,020.00		8.10	2		8.37	03-17-85	1	0
1990	06-17-90	2,000.00	2	9.56						0
1991	05-31-91	193.00		5.28						0
1992	06-16-92	17,300.00		13.10						0
1993	03-28-93	3,000.00	2	11.44	1					0
1994	08-11-94	780.00		8.04	2		8.83	03-17-94	1	0

**Table 229.** Station 06479750, Peg Munky Run near Esteline, South Dakota

Station locator      Drainage area:      25.2    mi<sup>2</sup>  
 Latitude Longitude    Contributing  
                                  drainage area:      25.2    mi<sup>2</sup>  
 443422 0965115      Gage datum:  
 Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1956	08-02-56	667.00		6.02						0
1957	03-21-57	80.00		4.68	1					0
1958	07-13-58	202.00		4.42						0
1959	03-07-59	390.00		5.34						0
1960	04-06-60	1,080.00		6.68						0
1961	06-07-61	440.00		5.50						0
1962	03-27-62	1,010.00		6.58						0
1963	07-28-63	208.00		4.43						0
1964	04-01-64	73.00		3.26						0
1965	05-24-65	1,540.00		7.29						0
1966	03-10-66	130.00		6.90	1					0
1967	03-02-67	200.00		5.38	1					0
1968	04-23-68	50.00		3.60	1					0
1969	04-07-69	1,480.00		7.25						0
1970	05-29-70	505.00		5.42						0
1971	06-29-71	310.00		4.73						0
1972	05-30-72	1,070.00		6.64						0
1973	03- -73	125.00		6.00	1					0
1974	03- -74	40.00		4.36	1					0
1975	05-10-75	13.00		3.16						0
1976	03-12-76	15.00		6.50	1					0
1977	06-16-77	25.00		3.50						0
1978	05-28-78	670.00		6.84						0
1979	04- -79	400.00		8.13	1					0
1980	06-03-80	1,200.00		7.59						0

Table 230. Station 06479800, North Deer Creek near Estelline, South Dakota

Station locator Latitude Longitude  
 Drainage area: 48.3 mi<sup>2</sup>  
 Contributing drainage area: 48.3 mi<sup>2</sup>  
 Gage datum:  
 Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1956	07-26-56	218.00		6.30						0
1957	06-16-57	29.00		4.10						0
1958	03-25-58	22.00		3.91						0
1959	03-09-59	12.00		3.63	1					0
1960	04-06-60	520.00		7.40						0
1961	06-07-61	175.00		6.04						0
1962	07-04-62	820.00		7.61						0
1963	07-28-63	660.00		7.52						0
1964	04-27-64	56.00		4.70						0
1965	05-09-65	250.00		6.46						0
1966	03-10-66	425.00		7.48	1					0
1967	06-15-67	104.00		5.40						0
1968	04-23-68	14.00		3.95						0
1969	04-07-69	3,550.00		8.45						0
1970	06-16-70	5,000.00		8.79						0
1971	03-14-71	175.00		6.90	1					0
1972	05-30-72	3,100.00		8.35						0
1973	07-02-73	112.00		5.56						0
1974	03- -74	50.00		6.49	1					0
1975	06-09-75	16.00		4.00						0
1976	03-12-76	100.00		6.48	1					0
1977	06-16-77	65.00		5.02						0
1978	04-23-78	100.00		5.43						0
1979	04- -79	300.00		7.74	1					0
1980	06-25-80	620.00		7.45						0

**Table 231.** Station 06479810, North Deer Creek tributary near Brookings, South Dakota

Station locator                      Drainage area:                      0.33 mi<sup>2</sup>  
 Contributing  
 Latitude Longitude                      drainage area:                      0.33 mi<sup>2</sup>  
 442244 0964714  
 Gage datum:  
 Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1969	04-08-69	106.00		7.73						0
1970	06-15-70	134.00		8.65						0
1971	03-14-71	5.00		5.38	1					0
1972	05-24-72	108.00		7.77						0
1973	03-14-73	15.00		5.43	1					0
1974	02- -74	7.00		4.62	1					0
1975	04-22-75	0.00		3.43						0
1976	03-12-76	11.00		5.95	1					0
1977	06-15-77	170.00		9.70						0
1978	03- -78	10.00		5.44	1					0
1979	04- -79	20.00		6.38						0

**Table 232. Station 06479900, Sixmile Creek tributary near Brookings, South Dakota**

Station Locator                      Drainage area:                      9.78 mi<sup>2</sup>  
 Latitude Longitude                  Contributing  
    drainage area:                      9.78 mi<sup>2</sup>  
 442257 0964048                      Gage datum:  
    Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1956	06-15-56	56.00		3.88						0
1957	03-21-57	40.00		4.83	1					0
1958	03-25-58	10.00		3.80	1					0
1959	03-09-59	11.00		3.78						0
1960	04-06-60	595.00		6.16						0
1961	06-07-61	656.00		6.29						0
1962	07-04-62	840.00		6.68						0
1963	07-28-63	820.00		6.64						0
1964	04-27-64	214.00		4.85						0
1965	04-06-65	400.00		7.68	1					0
1966	03-10-66	65.00		6.66	1					0
1967	06-15-67	192.00		4.74						0
1968	- -68	0.00								0
1969	04-08-69	1,000.00		9.08	1					0
1970	06-16-70	660.00		6.30						0
1971	03-14-71	100.00		5.24	1					0
1972	05-30-72	196.00		4.76						0
1973	03-14-73	100.00		5.30	1					0
1974	03- -74	20.00		4.49	1					0
1975	- -75	10.00								0
1976	- -76	10.00								0

**Table 233. Station 06479910, Sixmile Creek near Brookings, South Dakota**

Station locator  
 Latitude Longitude  
 442046 0964451

Drainage area: 54.0 mi<sup>2</sup>  
 Contributing drainage area: 54.0 mi<sup>2</sup>  
 Gage datum: 1,618.57 ft above sea level  
 Base discharge: 100 ft<sup>3</sup>/s

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1971	03-12-71	125.00		9.26	1					0
1972	05-29-72	405.00		8.71						4
	03-13-72	130.00								
	03-15-72	170.00								
	05-02-72	249.00		5.12						
	05-25-72	117.00		3.40						
1973	03-06-73	325.00		7.96	1					1
	03-12-73	142.00		4.17						
1974	03-06-74	95.00					8.50	03-07-74	1	0
1975	04-24-75	85.00		4.91	2		6.33	04-18-75	1	0
1976	03-20-76	300.00		9.17	1					0
1977	06-16-77	423.00		9.14	2		9.67	03-12-77	1	1
	03-12-77	350.00		9.67	1					
1978	03-28-78	936.00		9.45	2		10.17	03-24-78	1	4
	03-31-78	810.00		9.14						
	04-04-78	264.00		7.06						
	04-24-78	135.00		5.89						
	05-09-78	112.00		5.69						
1979	04-12-79	700.00		9.50	1					3
	04-16-79	328.00		7.75						
	06-17-79	296.00		7.13						
	06-21-79	314.00		7.24						
1980	06-25-80	760.00		9.84						3
	06-03-80	189.00		7.33						
	06-05-80	384.00		8.61						
	06-08-80	122.00		6.64						

Table 234. Station 06479950, Deer Creek near Brookings, South Dakota

Station locator Latitude Longitude  
 442303 0963719  
 Drainage area: 4.04 mi<sup>2</sup>  
 Contributing drainage area: 4.04 mi<sup>2</sup>  
 Gage datum: Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1956	06-15-56	0.00		2.66						0
1957	03-19-57	30.00		4.79	1					0
1958	03-25-58	2.00		2.79						0
1959	03-09-59	10.00		3.46	1					0
1960	04-06-60	325.00		5.74						0
1961	06-07-61	360.00		5.83						0
1962	07-04-62	325.00		5.74						0
1963	07-28-63	330.00		5.76						0
1964	04-01-64	170.00		3.68						0
1965	04-03-65	70.00		5.40	1					0
1966	03-10-66	40.00		4.53	1					0
1967	06-15-67	68.00		4.33						0
1968	- -68	0.00								0
1969	04-08-69	750.00		7.72	1					0
1970	06-16-70	250.00		5.43						0
1971	03-14-71	20.00		3.91	1					0
1972	07-26-72	95.00		4.56						0
1973	03-14-73	20.00		3.91	1					0
1974	- -74	5.00								0
1975	- -75	2.00		1.81	1					0
1976	03-12-76	6.00		5.57	1					0
1977	06-16-77	350.00		7.23						0
1978	03- -78	30.00		3.47	1					0
1979	05-30-79	117.00		4.40						0
1980	06-25-80	540.00		9.57						0



**Table 235. Station 06479980, Medary Creek near Brookings, South Dakota**

Station locator  
 Latitude Longitude  
 441327 0964606

Drainage area: 200 mi<sup>2</sup>  
 Contributing drainage area: 200 mi<sup>2</sup>  
 Gage datum: 1,570.20 ft above sea level  
 Base discharge: 150 ft<sup>3</sup>/s

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water Year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1981	04-15-81	20.00	1							0
	03-16-82	192.00		6.62	2		3.73	03-03-81	1	0
1982	03-31-82	182.00		6.45			7.11	02-22-82	1	2
	07-16-82	167.00		6.20						
1983	03-02-83	1,210.00		10.19						8
	10-11-82	245.00		6.27						
	11-22-82	267.00		6.34						
	02-22-83	215.00								
	03-06-83	1,040.00	9	9.71						
1984	03-15-83	291.00		6.48						
	04-02-83	616.00		8.15						
	04-22-83	419.00		7.20						
	05-04-83	224.00		6.02						
	06-21-84	2,590.00		11.27						11
	11-22-83	226.00		6.10						
	03-27-84	1,100.00		9.83	1					
	04-13-84	1,570.00		9.97						
	05-08-84	352.00		6.73						
	05-14-84	379.00		6.87						
	05-18-84	248.00		6.12						
1985	05-21-84	280.00		6.32						
	05-30-84	164.00		5.40						
	06-09-84	1,760.00		10.17						
	06-11-84	1,430.00		10.10						
	06-18-84	1,680.00		10.40						
	03-15-85	1,700.00		10.11						5
	10-20-84	745.00		8.50						
	02-23-85	350.00		8.29	1					
	04-24-85	694.00		8.30						
	06-02-85	344.00		6.69						
1986	09-07-85	156.00		5.32						
	03-24-86	1,950.00		10.19	2		10.63	09-18-86	1	9
	04-06-86	894.00		8.68						
	04-15-86	747.00		8.21						
	04-19-86	429.00		7.07						
	04-30-86	330.00		6.55						
	05-11-86	1,320.00		9.46						

**Table 235. Station 06479980, Medary Creek near Brookings, South Dakota—Continued**

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1986	05-29-86	222.00		5.85						
	06-12-86	830.00		8.41						
	08-28-86	263.00		6.17						
1987	09-18-86	1,890.00		10.63						
	03-25-87	542.00		7.40						3
	03-30-87	163.00		4.93						
	04-15-87	159.00		4.89						
	07-14-87	202.00		5.25						
1988	03-24-88	228.00		5.45	2	7.92	03-14-88	1		0
1989	03-26-89	600.00	2	8.03	1					1
	03-13-89	300.00	2							
1990	06-19-90	463.00		7.14						1
	05-23-90	194.00		5.36						0
1991	07-12-91	626.00		7.83						0
1992	02-29-92	400.00		7.66	1					0
1993	07-04-93	3,710.00		11.78						0
1994	06-20-94	1,900.00		10.57						0

**Table 236. Station 06480000, Big Sioux River near Brookings, South Dakota**

Station Locator  
 Latitude Longitude  
 441048 0964455

Drainage area: 3,898 mi<sup>2</sup>  
 Contributing drainage area: 2,419 mi<sup>2</sup>  
 Gage datum: 1,551.91 ft above sea level  
 Base discharge: 1,000 ft<sup>3</sup>/s

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1954	03-22-54	1,970.00		9.79						0
1955	03-12-55	1,180.00		8.62	1					0
1956	08-08-56	287.00		4.00	2	4.42	4.42	03-24-56	1	0
1957	06-17-57	5,320.00		11.67						1
	03-24-57	1,240.00		8.40						
1958	03-27-58	382.00		4.58						0
1959	03-07-59	240.00				5.00	5.00	03-05-59	1	0
1960	03-30-60	9,620.00		12.28						1
	04-07-60	4,820.00		11.58						
1961	03-02-61	1,340.00		8.50						0
1962	03-29-62	10,600.00		12.95						3
	04-07-62	1,900.00		9.48						
	06-11-62	1,360.00		8.77						
	07-07-62	3,680.00		11.14						
1963	08-02-63	1,880.00		9.72						0
1964	04-23-64	952.00		6.97	2	7.14	7.14	04-03-64		0
1965	04-06-65	7,700.00		12.34						0
1966	03-14-66	4,560.00		11.50	2	11.66	11.66	03-13-66	1	0
1967	06-17-67	1,880.00		9.54						0
1968	04-23-68	230.00		3.51						0
1969	04-09-69	33,900.00		14.77						1
	05-04-69	1,280.00		8.24						
1970	03-06-70	3,350.00		11.24	1					1
	06-19-70	1,340.00		8.53						
1971	03-15-71	2,100.00		11.50	1					0
1972	06-01-72	5,060.00		11.36						0
1973	03-08-73	3,010.00		10.26						0
1974	03-06-74	950.00		7.57	1					0
1975	04-22-75	696.00		6.04						0
1976	03-24-76	1,080.00		7.61						0
1977	03-13-77	1,750.00		10.02	1					0
1978	03-30-78	5,960.00				11.84	11.84	03-29-78	1	7
	03-15-78	1,650.00		8.96						
	03-16-78	2,060.00		9.43						
	03-23-78	3,900.00								
	04-26-78	1,160.00		7.75						
	05-04-78	2,090.00		9.69						
	06-22-78	1,440.00		8.57						
	07-26-78	1,010.00		7.32						

**Table 236. Station 06480000, Big Sioux River near Brookings, South Dakota—Continued**

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since (ft)	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1979	04-14-79	4,720.00		11.71						2
	04-03-79	1,300.00								
1980	05-12-79	1,260.00		8.27						1
	06-25-80	3,820.00		11.93						
	06-10-80	1,000.00		7.65						
	07-26-81	143.00		3.01						0
1982	04-01-82	718.00		6.04	2		6.76	03-18-82	1	0
1983	03-07-83	3,300.00		11.16						5
	02-24-83	1,300.00		8.90						
1984	03-02-83	2,500.00		10.57						
	04-03-83	1,510.00		8.77						
	04-22-83	1,500.00		8.72						
	05-08-83	1,020.00		7.19						
	06-22-84	13,700.00		13.70						5
	03-30-84	3,690.00		11.00						
	04-13-84	5,360.00		11.67						
	05-09-84	1,140.00		7.55						
	05-15-84	1,100.00		7.38						
	05-19-84	1,040.00		7.17						
1985	03-19-85	8,440.00		12.51						3
	10-22-84	2,350.00		10.16						
	04-24-85	1,740.00		9.65						
	09-16-85	1,090.00		7.34						
1986	05-12-86	6,690.00		12.32	2		12.63	09-20-86	1	5
	03-27-86	5,020.00		11.86						
	04-06-86	5,480.00		12.01						
	04-16-86	5,690.00		12.07						
1987	06-13-86	1,530.00		9.06						
	09-20-86	6,470.00		12.63						
	03-27-87	2,400.00		8.02						0
	03-26-88	950.00		6.18	2		7.62	03-14-88	1	0
	03-28-89	1,900.00		9.18						0
	06-21-90	1,990.00		9.85						0
	06-25-91	1,430.00		8.32						1
	06-08-91	1,350.00		8.07						
	06-20-92	5,760.00		12.28						2
	03-02-92	1,300.00		7.55						
1993	03-09-92	1,180.00		7.15						
	07-04-93	13,300.00		13.50						6
	03-30-93	7,490.00		12.19						
	04-13-93	2,810.00		10.27						
	05-11-93	3,990.00		11.14						
	06-21-93	9,530.00		12.98						
1994	08-19-93	2,270.00		9.69						
	09-23-93	1,320.00		7.47						

**Table 236. Station 06480000, Big Sioux River near Brookings, South Dakota—Continued**

Water Year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage- height codes	Highest since	Maximum gage height (ft)	Date	Gage- height codes	Number of partial peaks
1994	06-25-94	5,660.00		12.08						6
	03-18-94	3,430.00		10.77						
	04-17-94	1,650.00		8.37						
	05-03-94	1,600.00		8.25						
	06-10-94	1,340.00		7.50						
	07-10-94	1,590.00		8.21						
	08-15-94	2,190.00		9.49						

Table 237. Station 06480400, Spring Creek near Flandreau, South Dakota

Station locator Latitude Longitude 440718 0963519  
 Drainage area: Contributing 63.2 mi<sup>2</sup>  
 drainage area: 63.2 mi<sup>2</sup>  
 Gage datum: 1,580.00 ft above sea level  
 Base discharge: 250 ft<sup>3</sup>/s

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1983	03-01-83	895.00		15.16						4
	04-01-83	347.00		12.60						
	05-07-83	453.00		13.23						
	06-21-83	281.00		12.20						
	07-01-83	562.00		13.76						
	06-20-84	2,030.00		15.72						
1984	03-30-84	300.00	9	12.20	1					8
	04-12-84	803.00		13.58						
	06-08-84	632.00		13.20						
	06-10-84	629.00		13.22						
	06-12-84	480.00		12.82						
	06-14-84	338.00		12.28						
	06-17-84	1,450.00		14.90						
	06-21-84	731.00		13.53						
	03-12-85	700.00		14.53	1					
	04-23-85	513.00		12.72						
1985	05-30-85	430.00		12.43						4
	05-31-85	392.00		12.28						
	09-05-85	470.00		12.89						
	09-19-86	1,120.00		14.95						
	03-16-86	450.00	2							
	03-23-86	460.00	2							
	04-05-86	349.00								
	04-14-86	302.00		12.19						
	05-09-86	292.00		11.94						
	05-11-86	342.00		11.95						
1986	09-17-86	520.00		12.20						9
	09-18-86	854.00		13.49						
	09-21-86	284.00		14.39						
	07-11-87	676.00		12.38						
	03-24-87	280.00		13.50						
	03-07-88	100.00	2	11.90						
	03-26-89	200.00	2	12.05	1,2	12.82	03-02-88	1		
	06-17-90	559.00	2	11.45	1					
	06-22-91	86.00		13.33						
	02-28-92	450.00	2	9.95						
1987				13.27	1					1
1988										0
1989										0
1990										0
1991										0
1992										0

**Table 237. Station 06480400, Spring Creek near Flandreau, South Dakota—Continued**

Water Year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1993	07-03-93	4,480.00	2	16.84						6
	03-27-93	1,300.00	2	15.53	1					
	05-08-93	367.00		12.84						
	06-18-93	643.00		13.98						
	06-19-93	387.00		12.98						
	06-29-93	544.00		13.68						
	06-30-93	358.00		12.78						

**Table 238. Station 06480650, Flandreau Creek above Flandreau, South Dakota**

Station locator  
 Latitude Longitude  
 440345 0962914

Drainage area: 100 mi<sup>2</sup>  
 Contributing drainage area: 100 mi<sup>2</sup>  
 Gage datum: 1,555.00 ft above sea level  
 Base discharge: 150 ft<sup>3</sup>/s

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1982	07-15-82	1,080.00		9.01						4
	02-24-82	250.00	9							
	03-02-82	230.00	9							
	03-15-82	260.00	9							
	03-30-82	156.00		3.94						
	03-01-83	1,500.00		9.92						
	10-09-82	393.00		7.12						
	11-20-82	238.00		6.33						
	03-06-83	954.00		8.45						
1983	04-01-83	597.00		7.70						10
	04-17-83	244.00		6.29						
	05-02-83	489.00		7.33						
	05-07-83	1,410.00		9.54						
	06-16-83	154.00		5.75						
	06-21-83	767.00		8.16						
	07-01-83	1,050.00		8.84						
	06-20-84	2,650.00		11.02						
	03-29-84	550.00		7.95	1					
	03-31-84	478.00		7.31						
1984	04-09-84	222.00		6.25						8
	04-12-84	901.00		8.49						
	05-08-84	351.00		6.94						
	05-14-84	229.00		6.34						
	06-11-84	604.00		7.85						
	06-17-84	336.00		6.84						
	04-23-85	1,280.00		9.14						
	10-20-84	163.00		5.81						
	02-22-85	250.00		6.64	1					
	03-12-85	950.00		9.09	1					
1985	05-31-85	972.00		8.53						5
	09-06-85	557.00		7.67						
	09-21-86	1,530.00		9.76						
	03-25-86	929.00		8.52						
	04-05-86	558.00		7.54						
	04-15-86	348.00		6.76						
	04-19-86	161.00		5.71						
	05-01-86	309.00		6.59						
	09-21-86	1,530.00		9.76						



**Table 238.** Station 06480650, Flandreau Creek above Flandreau, South Dakota—Continued

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1986	05-09-86	818.00		8.27						
	06-11-86	357.00		6.85						
	07-13-86	209.00		6.02						
1987	09-19-86	1,300.00		9.38						1
	03-24-87	445.00		7.16						
	07-13-87	389.00		6.97						
1988	03-12-88	160.00	2	6.91	1					0
1989	03-25-89	600.00	2	9.62	1					0
1990	06-17-90	1,790.00		10.04						0
1991	06-06-91	328.00		6.72						1
	06-23-91	244.00		6.32						0
1992	02-28-92	800.00	2, E	9.06						0
1993	07-04-93	2,410.00		11.28						0
1994	06-19-94	1,080.00		9.04	2		9.50	03-06-94	1	0

**Table 239. Station 06480720, Bachelor Creek tributary near Wentworth, South Dakota**

Station locator                      Drainage area:                      1.03 mi<sup>2</sup>  
 Contributing  
 Latitude Longitude                      drainage area:                      1.03 mi<sup>2</sup>  
 440028 0970002                      Gage datum:  
 Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1969	04-08-69	100.00		7.83	1					0
1970	04-23-70	1.00		3.71						0
1971	07-03-71	2.00		3.80						0
1972	07-14-72	38.00		5.10						0
1973	03-14-73	25.00		5.68	1					0
1974	08-09-74	16.00		4.13						0
1975	05-11-75	7.00		3.99						0
1976	03-12-76	10.00		7.20	1					0
1977	03-12-77	5.00		5.37	1					0
1978	03--78	15.00		8.75	1					0
1979	04--79	20.00		8.70	1					0

**Table 240. Station 06481000, Big Sioux River near Dell Rapids, South Dakota**

Station Locator  
 Latitude Longitude  
 434725 0964442

Drainage area: 4,483 mi<sup>2</sup>  
 Contributing drainage area: 3,004 mi<sup>2</sup>  
 Gage datum: 1,455.99 ft above sea level  
 Base discharge: 1,000 ft<sup>3</sup>/s

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since (ft)	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1949	04-06-49	2,700.00		9.46	2		10.08	03-28-49	1	1
	03-28-49	2,040.00		10.08	1					
	04-01-50	2,800.00		11.83	1					3
	04-20-50	1,210.00		6.57						
	05-12-50	1,030.00		6.04						
1951	06-12-50	1,260.00		6.62						3
	04-04-51	12,300.00		14.36						
	04-01-51	3,750.00		12.47	1					
	06-28-51	1,690.00		8.27						
	07-04-51	1,110.00		6.75						
1952	04-05-52	15,400.00		14.85						3
	06-17-52	1,980.00		8.88						
	07-06-52	1,220.00		7.03						
	07-21-52	1,050.00		6.59						
	05-25-53	1,800.00		8.05	2		8.34	03-15-53	1	7
1953	03-15-53	1,350.00		8.34	1					
	03-22-53	1,740.00		7.71						
	05-05-53	1,640.00		7.72						
	05-15-53	1,350.00		7.09						
	06-27-53	1,320.00		6.83						
	08-06-53	1,410.00		7.07						
	08-11-53	1,030.00		6.23						
	03-25-54	2,960.00		10.65	2		11.22	03-19-54	1	1
	03-19-54	2,740.00		11.22						
	03-16-55	1,380.00		8.72	1					1
1956	03-12-55	1,110.00		7.94	1					0
	07-14-56	1,750.00		8.65						4
1957	06-18-57	15,500.00		14.93						
	03-24-57	2,000.00		10.04	1					
	06-25-57	2,190.00		9.56						
	07-03-57	1,980.00		9.09						
	07-21-57	1,070.00		6.79						
1958	06-04-58	450.00		4.78						0
	05-28-59	380.00		4.56	2		5.08	03-10-59	1	0
1960	04-01-60	11,900.00		14.42	2		14.83	03-31-60	1	1
	04-06-60	5,550.00		12.86						
1961	03-03-61	1,600.00		9.68	1					1
	03-15-61	1,330.00		7.39						
1962	03-30-62	18,400.00		15.14						3
	05-24-62	1,590.00		7.99						

Table 240. Station 06481000, Big Sioux River near Dell Rapids, South Dakota—Continued

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1962	06-08-62	1,810.00		8.53						
	07-11-62	3,000.00		10.43						0
1963	08-04-63	1,740.00		8.20						0
1964	04-06-64	1,060.00		6.63						2
1965	04-09-65	7,860.00					14.14	04-08-65	1	
	05-29-65	1,050.00		6.50						
	06-27-65	1,690.00		8.12						1
1966	03-16-66	5,040.00		12.56						
	02-11-66	1,500.00								0
1967	06-20-67	2,080.00								0
1968	04-25-68	258.00		4.02						0
1969	04-09-69	41,300.00		16.47						0
1970	03-09-70	2,870.00		10.68						2
	04-26-70	1,050.00		6.76						
	06-22-70	1,250.00		7.17						1
1971	03-18-71	1,600.00		9.97	1					
	03-15-71	1,350.00								1
1972	06-03-72	3,710.00		11.57						4
	03-18-72	2,150.00								
	05-06-72	2,240.00		9.35						
	06-24-72	1,460.00		7.64						
	07-22-72	1,410.00		7.37						
1973	03-09-73	3,700.00		12.06	1					0
1974	03-09-74	1,530.00		7.58						0
1975	04-23-75	732.00		5.64						0
1976	03-24-76	1,510.00		7.77						0
1977	03-14-77	2,450.00		11.58	1					0
1978	03-23-78	5,550.00		12.97	1					2
	04-01-78	4,940.00		12.38						
	05-12-78	1,070.00		6.56						
1979	04-16-79	4,830.00		12.07						2
	05-12-79	1,790.00		8.22						
	08-09-79	1,130.00		6.75						
1980	06-29-80	2,180.00		9.30						0
1981	04-06-81	125.00		3.66						0
1982	07-17-82	2,740.00		10.27						1
	08-04-82	1,630.00		7.94						
1983	03-03-83	5,410.00		13.11						9
	11-23-82	1,460.00	9	7.37						
	03-07-83	5,010.00		12.42						
	03-27-83	5,010.00		12.42						
	04-02-83	2,610.00		9.84						
	04-20-83	2,570.00		9.76						
	05-02-83	1,680.00		7.93						
	05-08-83	2,610.00		9.83						
	06-22-83	1,280.00		6.94						
	07-02-83	3,620.00		11.29						

Table 240. Station 06481000, Big Sioux River near Dell Rapids, South Dakota—Continued

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1984	06-23-84	17,400.00		15.20						3
	04-01-84	5,800.00		13.71	1					
	04-15-84	6,330.00	9	12.87						
	05-08-84	2,050.00		8.86						
	03-21-85	8,600.00		13.57						5
1985	10-24-84	2,460.00		9.80						
	04-24-85	3,780.00		11.42						
	05-31-85	2,180.00		9.08						
	09-07-85	1,050.00		6.65						
	09-17-85	1,070.00		6.64						
1986	09-22-86	8,830.00		14.71						7
	04-09-86	6,350.00		13.03						
	04-18-86	6,730.00		13.16						
	05-15-86	7,030.00		13.28						
	06-12-86	2,270.00		8.99						
1987	06-22-86	4,450.00		12.47						
	07-11-86	2,910.00		10.39						
	08-28-86	1,020.00		10.57						1
	03-26-87	2,910.00		8.39						
	07-13-87	1,780.00		6.43						0
1988	03-27-88	1,080.00		9.11	2		6.74	03-12-88	1	1
	03-27-89	2,450.00								
	03-12-89	1,100.00	2							
	06-18-90	2,390.00		9.58						0
	06-10-91	1,470.00		7.42						3
1990	06-04-91	1,360.00		7.14						
	06-21-91	1,070.00		6.41						
	06-28-91	1,460.00		7.40						
	06-24-92	4,710.00		12.31						3
	03-01-92	2,700.00								
1991	07-12-92	2,170.00		8.93						
	08-07-92	2,790.00		10.20						
	07-04-93	16,400.00		15.56						7
	04-01-93	8,990.00		13.94						
	05-13-93	4,330.00		12.06						
1992	06-23-93	9,200.00		14.23						
	07-01-93	8,860.00		14.32						
	07-18-93	4,410.00		12.28						
	08-22-93	2,620.00		10.01						
	09-25-93	1,460.00		7.57						
1993	03-16-94	4,880.00		12.28						6
	05-02-94	2,050.00		8.87						
	06-12-94	1,850.00		8.47						
	06-26-94	4,870.00		12.82						
	07-12-94	1,840.00		8.15						
1994	08-17-94	2,300.00		8.90						
	09-08-94	1,170.00		6.33						

Table 241. Station 06481500, Skunk Creek at Sioux Falls, South Dakota

Station locator  
 Latitude Longitude  
 433201 0964726

Drainage area: 622 mi<sup>2</sup>  
 Contributing drainage area: 613 mi<sup>2</sup>  
 Gage datum: 1,405.10 ft above sea level  
 Base discharge: 500 ft<sup>3</sup>/s

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since (ft)	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1949	03-05-49	1,940.00								2
	03-28-49	853.00								
	04-06-49	1,060.00								
1950	03-25-50	1,030.00								2
	05-19-50	803.00								
	06-12-50	592.00								
1951	06-26-51	3,070.00								3
	03-29-51	2,150.00								
	04-04-51	2,150.00								
1952	06-18-51	928.00								
	03-29-52	5,770.00								2
	03-20-52	750.00								
1953	04-22-52	813.00								
	06-27-53	2,770.00								2
	03-11-53	700.00								
1954	06-08-53	1,880.00								
	03-19-54	2,000.00								0
	03-09-55	797.00								0
1955	06-04-56	781.00								1
	08-12-56	680.00								
	06-17-57	29,400.00								3
1956	03-24-57	1,800.00								
	06-28-57	534.00								
	07-03-57	2,640.00								
1957	04-06-58	344.00								0
	05-28-59	2,580.00								1
	08-02-59	675.00								
1958	03-30-60	8,200.00								4
	04-01-60	4,120.00								
	04-06-60	4,640.00								
1959	04-13-60	799.00								
	05-19-60	578.00								
	03-15-61	525.00								
1960	03-28-62	6,430.00								0
	04-04-62	1,760.00								1
	05-28-62	665.00								
1961	06-17-62	538.00								
	07-05-62	500.00								
	07-20-62	546.00								3

**Table 241. Station 06481500, Skunk Creek at Sioux Falls, South Dakota—Continued**

Water Year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1963	03-24-63	149.00								0
1964	04-03-64	427.00								0
1965	05-09-65	1,450.00								2
	04-04-65	1,060.00			3					
	06-13-65	518.00			3					
1966	02-09-66	1,490.00								0
1967	04-02-67	420.00								0
1968	06-24-68	355.00								0
1969	04-06-69	9,710.00								1
	06-30-69	505.00			3					
1970	03-03-70	1,970.00								1
	05-29-70	1,380.00			3					
1971	03-29-71	670.00								1
	02-19-71	650.00			3					
1972	05-01-72	2,560.00		7.35						3
	03-12-72	1,300.00			3					
	05-24-72	1,020.00		5.15						
	05-28-72	595.00		4.35						
1973	03-06-73	1,850.00		8.18						3
	03-03-73	1,000.00								
	03-12-73	1,090.00		6.71						
	03-14-73	946.00		6.33						
1974	10-10-73	225.00					4.27	02-23-74	1	0
1975	08-21-75	131.00		3.53						0
1976	03-18-76	302.00		4.26						0
1977	03-12-77	150.00		4.41	1					0
1978	03-19-78	2,700.00		10.02	1					1
	03-22-78	2,230.00		8.91						
	03-22-79	4,230.00		11.81						
1979	03-20-79	1,690.00		8.16						6
	03-25-79	706.00		5.77						
	03-29-79	1,100.00		6.96						
	04-12-79	1,240.00		7.28						
	05-10-79	914.00		6.03						
	09-03-79	598.00		5.05						
1980	06-06-80	450.00		4.82						0
1981	06-14-81	43.00		2.87	1		2.91	08-25-81	1	0
1982	09-01-82	2,250.00		9.58						3
	02-22-82	1,400.00								
	07-14-82	1,100.00	9	6.99						
	09-10-82	689.00		5.70						

Table 241. Station 06481500, Skunk Creek at Sioux Falls, South Dakota—Continued

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1983	03-07-83	3,580.00		10.62						12
	10-09-82	1,000.00		6.28						
	11-12-82	1,220.00		6.72						
	11-14-82	639.00		5.22						
	11-20-82	1,090.00		6.46						
	02-23-83	1,200.00	9							
	04-01-83	2,110.00		8.49						
	04-13-83	1,420.00		7.20						
	04-16-83	1,490.00		7.32						
	05-02-83	2,270.00		8.65						
	05-07-83	1,200.00		6.65						
	06-20-83	1,720.00		7.65						
1984	06-29-83	748.00		5.45						10
	06-21-84	11,000.00		15.54						
	03-26-84	895.00		5.69						
	03-28-84	903.00		5.71						
	04-04-84	2,470.00		8.50						
	04-08-84	1,920.00		7.69						
	04-12-84	5,900.00		12.00						
	05-01-84	1,890.00		7.64						
	05-07-84	1,850.00		7.58						
	06-12-84	3,170.00		9.42						
	06-15-84	2,870.00		9.07						
	06-16-84	4,570.00		10.83						
1985	04-23-85	3,750.00		10.00						2
	03-16-85	2,690.00		8.76						
	04-05-85	1,100.00		6.02						
	06-23-86	3,980.00		10.23						
1986	03-18-86	3,630.00		9.86						9
	03-22-86	1,180.00		5.81						
	04-04-86	1,540.00		6.61						
	04-14-86	2,700.00		8.62						
	04-19-86	1,300.00		6.06						
	04-28-86	838.00		4.97						
	05-11-86	1,140.00		5.70						
	09-19-86	3,030.00		9.12						
	09-23-86	2,490.00		8.28						
	03-26-87	1,470.00		6.27						
	03-31-87	811.00		4.71						
	1987	03-31-87	811.00		4.71					
03-11-88		272.00		3.24						
1988	03-10-89	200.00		4.60	1					0
1989	06-28-90	976.00	1,2	5.32						0
1990	06-28-90	976.00		5.32						0
1991	06-22-91	435.00		3.85						0



Table 241. Station 06481500, Skunk Creek at Sioux Falls, South Dakota—Continued

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1992	08-10-92	1,180.00		4.49						7
	02-18-92	600.00								
	02-26-92	850.00								
	07-01-92	566.00		3.31						
	07-12-92	1,100.00		4.36						
	08-08-92	886.00		4.00						
	09-02-92	677.00		3.59						
	09-07-92	504.00		3.19						
	07-11-93	8,640.00		10.81						
	03-27-93	7,620.00		10.15						
1993	04-08-93	1,120.00		3.59						16
	05-02-93	1,110.00		3.50						
	05-08-93	7,490.00		10.06						
	05-22-93	3,950.00		7.18						
	05-30-93	1,230.00		3.67						
	06-02-93	971.00		3.24						
	06-13-93	654.00		2.65						
	06-19-93	1,150.00		3.53						
	06-24-93	2,000.00		4.86						
	06-30-93	4,540.00		7.73						
	07-06-93	4,820.00		7.97						
	07-17-93	4,780.00		7.94						
	07-26-93	1,790.00		4.57						
	08-16-93	951.00		3.16						
	08-19-93	1,020.00		3.30						
	03-05-94	3,740.00		6.98						
1994	02-19-94	1,100.00		6.50	1					9
	03-09-94	840.00		3.00						
	03-13-94	1,010.00		3.29						
	04-15-94	510.00		2.39						
	04-27-94	547.00		2.48						
	05-01-94	749.00		2.87						
	05-06-94	520.00		2.43						
	06-05-94	704.00		2.81						
	06-23-94	1,090.00		3.42						

**Table 242. Station 06482000, Big Sioux River at Sioux Falls, South Dakota**

Station locator                      Drainage area: 5,197    mi<sup>2</sup>  
Latitude Longitude                Contributing  
    drainage area: 3,710    mi<sup>2</sup>  
 433006 0964502                      Gage datum: 1,392.83 ft above sea level  
    Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1944	02-26-44	5,250.00	6	10.24						0
1945	06-04-45	2,710.00	6	7.06	2		9.40	02-15-45	1	0
1946	03-19-46	3,460.00	6	8.20						0
1947	06-10-47	5,000.00	6	10.80						0
1948	07-29-48	4,330.00	6	9.75	2		13.90	02-28-48		0
1949	04-06-49	3,140.00	6	8.25	2		9.67	03-05-49	1	0
1950	04-03-50	2,560.00	6	7.33	2		8.10	03-26-50	1	0
1951	04-06-51	13,100.00	6	14.30						0
1952	04-07-52	13,500.00	6	14.50						0
1953	06-27-53	3,360.00	6	8.28						0
1954	03-20-54	3,870.00	6	8.79	1					0
1955	03-10-55	1,820.00	6	8.43	2		8.83	03-10-55	1	0
1956	07-15-56	895.00	6	4.03						0
1957	06-17-57	16,200.00	6	16.01						0
1958	04-06-58	493.00	6	3.49	2		4.37	03-02-58	1	0
1959	05-28-59	2,850.00	6	7.58						0
1960	03-30-60	14,300.00	6	15.56						0

**Table 243. Station 06482020, Big Sioux River at North Cliff Avenue, at Sioux Falls, South Dakota**

Station locator      Drainage area: 5,216      mi<sup>2</sup>  
 Latitude Longitude      Contributing  
                                  drainage area: 3,729      mi<sup>2</sup>  
 433401 0964239      Gage datum: 1,294.18      ft above sea level  
                                  Base discharge: 1,000      ft<sup>3</sup>/s

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1969	04-10-69	40,700.00	6,7	27.45						0
1972	06-04-72	4,240.00	6	14.35						0
1973	03-13-73	5,880.00	6	16.38						0
1974	10-09-73	1,670.00	6	10.32						0
1975	08-01-75	1,200.00	6	9.05						0
1976	03-25-76	1,480.00	6	10.06						0
1977	03-15-77	2,380.00	6	12.78						0
1978	03-24-78	6,020.00	6	17.54	2	17.62	17.62	03-22-78	1	0
1979	03-23-79	5,990.00	6	16.95						0
1980	06-30-80	2,080.00	6	11.66						0
1981	06-14-81	896.00	6	8.13						0
1982	07-18-82	2,860.00	6	12.34						0
1983	03-07-83	9,000.00	6	19.65						0
1984	06-22-84	21,600.00	6	25.40						0
1985	03-22-85	8,230.00	6	18.67						0
1986	09-24-86	9,730.00	6	20.99						0
1987	03-25-87	4,770.00	6	14.97						0
1988	03-28-88	1,130.00	6	8.63						0
1989	03-29-89	2,050.00	6	11.05						0
1990	06-28-90	2,490.00	6	11.79						0
1991	06-10-91	1,800.00	6	10.08						0
1992	07-01-92	5,080.00	6	15.53						9
1993	07-07-93	18,000.00	6	23.84						0
1994	06-27-94	5,050.00	6	15.33						0

**Table 244. Station 06482100, Big Sioux River near Brandon, South Dakota**

Station locator  
 Latitude Longitude  
 433625 0963755

Drainage area: 5,261 mi<sup>2</sup>  
 Contributing drainage area: 3,774 mi<sup>2</sup>  
 Gage datum: 1,283.38 ft above sea level  
 Base discharge: 1,200 ft<sup>3</sup>/s

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1960	04-01-60	14,400.00		18.61						1
	04-06-60	10,700.00		17.51						
1961	03-04-61	1,780.00		8.97						1
	03-16-61	1,230.00	1							
1962	03-31-62	17,100.00		19.93						5
	04-18-62	1,570.00	1							
	06-09-62	2,140.00	1							
	06-18-62	2,120.00	1							
	07-12-62	2,680.00		10.84						
	07-21-62	2,350.00	1							
1963	08-05-63	1,640.00		8.68						0
1964	04-03-64	1,060.00		7.34	2		7.44	04-27-64		0
1965	04-09-65	8,050.00		16.00						5
	05-09-65	1,820.00	1							
	05-16-65	1,240.00	1							
	05-29-65	1,260.00	1							
	06-13-65	1,520.00	1							
	06-28-65	1,520.00	1							
1966	03-17-66	4,640.00		13.50						0
1967	06-21-67	2,020.00		9.54						0
1968	06-25-68	593.00		6.22						0
1969	04-10-69	36,800.00		24.56		1881				0
1970	03-05-70	2,490.00		10.32						0
1971	03-19-71	1,740.00		8.82						1
	03-15-71	1,540.00		8.43						
1972	05-02-72	3,540.00		12.33						4
	03-15-72	2,660.00		10.70						
	05-05-72	3,120.00		11.65						
	06-25-72	1,510.00		8.24						
	07-22-72	1,370.00		7.99						

**Table 245. Station 06482600, West Pipestone Creek tributary near Garretson, South Dakota**

Station locator                      Drainage area:                      2.16 mi<sup>2</sup>  
Latitude Longitude                Contributing                      drainage area:                      2.16 mi<sup>2</sup>  
 434212 0963643                      Gage datum:                      Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1969	06-29-69	393.00		9.21						0
1970	05-28-70	792.00		12.52						0
1971	06-29-71	7.00		4.04						0
1972	03-08-72	150.00		9.03	1					0
1973	03-13-73	59.00		5.16	1					0
1974	10-09-73	566.00		10.71						0
1975	06-03-75	66.00		5.29						0
1976	03-11-76	10.00		7.56	1					0
1977	07-24-77	141.00		6.39						0
1978	08-01-78	216.00		7.32						0
1979	03-20-79	250.00		10.26	1					0

Table 246. Station 06482610, Split Rock Creek at Corson, South Dakota

Station locator  
 Latitude Longitude  
 433659 0963354

Drainage area: 464 mi<sup>2</sup>  
 Contributing drainage area: 464 mi<sup>2</sup>  
 Gage datum: 1,304.22 ft above sea level  
 Base discharge: 500 ft<sup>3</sup>/s

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1966	02-10-66	550.00		8.60	1					0
1967	04-01-67	925.00		5.40						1
	06-19-67	875.00		5.30						
1968	06-24-68	1,850.00		6.85						0
1969	04-08-69	17,800.00		15.00						2
	04-04-69	5,740.00		10.10						
	06-29-69	3,090.00		8.20						
1970	03-03-70	2,500.00		8.82	1					2
	04-05-70	543.00		4.42						
	05-28-70	2,090.00		7.10						
1971	06-30-71	1,300.00		6.20	2		8.07	03-13-71	1	3
	02-19-71	525.00								
	02-26-71	1,000.00								
	03-13-71	1,250.00								
1972	03-13-72	1,900.00		9.50	1					2
	05-02-72	630.00		4.69						
	06-01-72	850.00		5.26						
1973	03-11-73	840.00		5.14	2		6.23	03-06-73	1	1
	03-14-73	810.00		5.07						
1974	10-10-73	5,240.00		9.75						0
1975	04-12-75	446.00			1			04-08-75	1	0
1976	03-12-76	900.00			2					0
1977	08-15-77	2,470.00		9.06						1
	07-24-77	1,800.00		7.52				03-12-77	1	
1978	03-21-78	3,250.00		6.71	2					2
	04-18-78	674.00		4.78				03-18-78	1	
	05-29-78	666.00		4.83						
1979	03-22-79	10,500.00		12.65						9
	03-28-79	1,980.00		7.14						
	04-08-79	654.00		4.89						
	04-13-79	4,040.00		9.07						
	05-11-79	1,110.00		5.77						
	06-16-79	610.00		4.59						
	06-20-79	566.00		4.48						
	08-09-79	5,100.00		9.58						
	08-20-79	1,180.00		5.78						
	08-27-79	826.00		5.15						

Table 246. Station 06482610, Split Rock Creek at Corson, South Dakota—Continued

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest gage height since (ft)	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks	
1980	06-04-80	2,230.00		7.22						2	
	10-31-79	1,310.00		6.09							
	1981	05-30-80	1,110.00		5.66						0
		06-13-81	1,110.00		5.69						
	1982	08-04-82	3,090.00		9.33						6
		02-22-82	1,700.00	9							
	1983	03-02-82	680.00	9							12
		03-14-82	730.00	9	4.94						
		03-20-82	666.00		4.78						
		03-24-82	558.00		4.51						
09-10-82		955.00		6.19							
03-07-83		4,500.00		9.96							
10-09-82		1,340.00		6.09							
11-12-82		746.00		4.92							
11-15-82		1,010.00		5.50							
11-20-82		930.00		5.35							
11-24-82		1,290.00		6.01							
04-01-83		1,890.00		6.90							
1984	04-17-83	1,290.00		6.11						9	
	05-02-83	1,150.00		5.95							
	05-08-83	2,660.00		7.89							
	06-20-83	1,850.00		6.79							
	06-24-83	698.00		4.84							
	07-03-83	3,730.00		8.68							
	06-21-84	9,020.00		14.08							
	03-30-84	3,060.00		8.33							
	04-04-84	2,570.00		7.70							
	04-08-84	1,740.00		6.47							
1985	04-12-84	4,780.00		10.18						1	
	05-02-84	1,600.00		6.25							
	05-07-84	2,960.00		8.21							
	06-12-84	3,860.00		9.74							
	06-14-84	3,420.00		9.24							
	06-17-84	3,680.00		9.51							
	04-22-85	4,100.00		9.72							
	03-13-85	3,100.00		8.70	1						
	09-22-86	7,920.00		13.98							
	1986	03-18-86	4,050.00	2							
03-22-86		1,200.00	2								
04-05-86		1,300.00	2								
04-14-86		1,940.00		6.88							
04-19-86		1,450.00		6.13							
04-29-86		1,190.00		5.72							
05-01-86		1,480.00		6.17							

Table 246. Station 06482610, Split Rock Creek at Corson, South Dakota—Continued

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since (ft)	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1986	05-10-86	1,190.00		5.70						
	05-11-86	1,920.00		6.83						
	06-04-86	1,040.00		5.33						
	06-05-86	2,980.00		8.21						
	06-22-86	5,340.00		10.69						
	09-18-86	3,840.00		10.27						
1987	03-24-87	1,840.00		6.62						0
1988	05-29-88	491.00		3.92						0
1989	03-09-89	1,200.00	2	7.45	1					1
	05-24-89	1,060.00		5.42						
1990	08-23-90	1,150.00	2	5.46						0
1991	06-20-91	500.00	4, B	5.46						0
1992	07-01-92	4,800.00		10.69						0
1993	05-08-93	18,900.00		17.58						0
1994	06-13-94	4,700.00		10.48						0



Table 247. Station 06482848, Beaver Creek at Canton, South Dakota

Station locator Latitude Longitude  
 431712 0963546  
 Drainage area: 124 mi<sup>2</sup>  
 Contributing drainage area: 124 mi<sup>2</sup>  
 Gage datum: 1,225.00 ft above sea level  
 Base discharge: 300 ft<sup>3</sup>/s

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1983	06-20-83	2,530.00		14.61						6
	03-08-83	1,250.00	9							
	03-31-83	1,470.00		11.52						
	04-12-83	958.00		9.72						
	04-15-83	641.00		8.41						
	05-07-83	379.00		7.08						
1984	06-28-83	1,050.00		10.18						8
	06-17-84	2,570.00		13.72						
	03-28-84	722.00		8.54						
	04-03-84	773.00		12.65						
	04-08-84	538.00		7.57						
	04-11-84	1,870.00		12.65						
1985	04-30-84	842.00		9.11						2
	05-07-84	736.00		8.52						
	06-12-84	1,860.00		11.86						
	06-21-84	2,290.00		13.17						
	04-24-85	603.00		7.24						
	03-10-85	364.00		5.85						
1986	05-31-85	327.00		5.40						5
	03-19-86	1,040.00		6.68	2		7.69	04-28-86		
	03-03-86	350.00	9							
	04-14-86	800.00		6.97						
	04-17-86	500.00		6.17						
	04-28-86	887.00		7.69						
1987	09-21-86	680.00		6.44						0
	03-25-87	621.00		5.95						
	02-29-88	50.00	2	5.07	1					
	03-09-89	300.00	2	5.79	1					
	06-28-90	300.00	2	4.69						
	06-20-91	200.00	4,A							
1988	08-07-92	1,100.00		7.50						0
	06-07-93	3,680.00	2	12.93						
	03-05-94	1,250.00		8.20	1					

**Table 248.** Station 06482870, Little Beaver Creek tributary near Canton, South Dakota

Station locator  
 Latitude Longitude  
 431527 0963759

Drainage area: 0.31 mi<sup>2</sup>  
 Contributing drainage area: 0.31 mi<sup>2</sup>  
 Gage datum: 1,330 ft above sea level  
 Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1956	06-04-56	11.00		2.04						0
1957	07-27-57	23.00		2.60						0
1958	02-27-58	10.00		1.98						0
1959	05-21-59	51.00		3.78						0
1960	04-01-60	20.00		2.49						0
1961	03-15-61	11.00		2.03						0
1962	06-16-62	44.00		3.49						0
1963	09-04-63	22.00		2.56						0
1964	05-12-64	27.00		2.78						0
1965	06-12-65	30.00		2.90						0
1966	08-20-66	10.00		1.98						0
1967	08-24-67	24.00		2.62						0
1968	06-25-68	45.00		3.54						0
1969	04-08-69	65.00		4.91	1					0
1970	06-16-70	20.00		2.49						0
1971	07-10-71	104.00		5.54						0
1972	06-18-72	20.00		2.48						0
1973	03-14-73	25.00		3.06	1					0

**Table 249. Station 06485500, Big Sioux River at Akron, Iowa**

Station locator  
Latitude Longitude  
425014 0963341

Drainage area: 8,424 mi<sup>2</sup>  
Contributing drainage area: 6,937 mi<sup>2</sup>  
Gage datum: 1,118.90 ft above sea level  
Base discharge: 3,500 ft<sup>3</sup>/s

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since (ft)	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1929	03-15-29	20,800.00		18.63						0
1930	06-06-30	3,740.00		9.92						0
1931	08-09-31	1,390.00		5.60						0
1932	03-01-32	16,900.00		18.04						0
1933	09-05-33	14,200.00		17.80						0
1934	06-08-34	10,600.00		16.08						0
1935	03-10-35	3,000.00		10.06	2	12.24	12.24	03-07-35	1	0
1936	03-12-36	18,000.00		18.63						2
	05-26-36	5,300.00		11.79						
	09-16-36	6,720.00		12.92						
1937	05-26-37	5,760.00		13.14						2
	03-10-37	5,300.00	2	12.99	1					
	04-14-37	4,880.00		12.23						
1938	07-04-38	12,700.00		17.53						5
	03-05-38	4,200.00	2	12.90	1					
	03-18-38	11,200.00		17.21						
	05-06-38	3,540.00		10.58						
	09-12-38	3,800.00		11.03						
	09-17-38	9,800.00		16.58						
1939	03-17-39	6,300.00		15.45	1					1
	03-21-39	4,370.00		11.59						
1940	04-02-40	11,700.00		17.32						0
1941	03-25-41	5,820.00		13.52						2
	03-12-41	5,550.00		13.24						
	04-02-41	4,350.00		11.78						
1942	06-04-42	21,400.00		19.23						7
	05-16-42	4,870.00		12.98						
	05-30-42	7,940.00		15.74						
	06-29-42	5,810.00		13.96						
	08-02-42	16,600.00		18.28						
	08-31-42	7,280.00		15.23						
	09-05-42	8,620.00		16.18						
	09-21-42	3,680.00		11.52						
1943	06-18-43	12,000.00		17.35						5
	02-24-43	7,200.00		15.17						
	03-27-43	3,920.00		11.86						
	06-27-43	6,630.00		14.69						
	07-07-43	3,920.00		11.65						
	08-15-43	4,160.00		12.03						

Table 249. Station 06485500, Big Sioux River at Akron, Iowa—Continued

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since gage height (ft)	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1944	02-29-44	15,900.00		18.24						8
	05-07-44	4,820.00		12.95						
	05-15-44	6,600.00		14.60						
	05-21-44	3,510.00		11.24						
	06-04-44	3,640.00		11.45						
	06-12-44	11,600.00		17.18						
1945	06-18-44	11,100.00		17.01						
	07-15-44	9,840.00		16.51						
	08-07-44	4,770.00		12.89						
	03-14-45	12,300.00		17.42						
	02-20-45	4,150.00		12.03						
	05-23-45	3,500.00		10.86						
1946	05-30-45	4,220.00		12.07						
	06-17-45	9,820.00		16.48						
	07-16-45	3,790.00		11.40						
	03-05-46	8,970.00		15.28						
	03-17-46	8,400.00		15.05						
	04-22-46	4,040.00		11.45						
1947	06-15-47	10,500.00		16.84						
	04-14-47	7,400.00		14.44						
	05-02-47	5,120.00		12.90						
	06-26-47	4,660.00		12.86						
	07-02-47	4,290.00		12.43						
	03-21-48	10,800.00		16.87						
1948	03-02-48	6,500.00		18.50			18.50	03-02-48	1	
	05-12-48	3,610.00		11.08						
	07-25-48	6,600.00		14.49						
	08-02-48	3,910.00		11.58						
	04-09-49	11,400.00		17.11						
	03-08-49	11,400.00		17.08						
1949	03-31-49	9,170.00		16.22						
	06-18-50	5,450.00		13.40						
	03-07-50	4,000.00		12.56						
	03-28-50	5,260.00		13.36						
	04-06-51	28,800.00		19.66						
	07-01-51	8,390.00		16.08						
1950	07-04-51	7,580.00		15.54						
	04-01-52	33,000.00		19.75						
	02-15-52	4,300.00		11.81						
	03-22-52	9,650.00		16.10						
	04-10-52	16,500.00		17.71						
	06-19-52	3,840.00		10.92						
1951	07-07-52	8,180.00		15.36						
	06-08-53	21,800.00		19.33						
	03-16-53	6,780.00		14.22						
	05-28-53	5,090.00		12.71						
	06-30-53	5,560.00		13.31						
	08-07-53	5,340.00		13.04						
1952	02-15-52	4,300.00	2							
	04-01-52	33,000.00								
	07-04-51	7,580.00								
	04-01-52	33,000.00								
	02-15-52	4,300.00								
	03-22-52	9,650.00								
1953	04-10-52	16,500.00								
	06-19-52	3,840.00								
	07-07-52	8,180.00								
	06-08-53	21,800.00								
	03-16-53	6,780.00								
	05-28-53	5,090.00								
1954	06-30-53	5,560.00								
	08-07-53	5,340.00								
	02-15-52	4,300.00	2							
	04-01-52	33,000.00								
	07-04-51	7,580.00								
	04-01-52	33,000.00								
1955	02-15-52	4,300.00	2							
	03-22-52	9,650.00								
	04-10-52	16,500.00								
	06-19-52	3,840.00								
	07-07-52	8,180.00								
	06-08-53	21,800.00								
1956	03-16-53	6,780.00								
	05-28-53	5,090.00								
	06-30-53	5,560.00								
	08-07-53	5,340.00								
	02-15-52	4,300.00	2							
	04-01-52	33,000.00								
1957	07-04-51	7,580.00								
	04-01-52	33,000.00								
	02-15-52	4,300.00								
	03-22-52	9,650.00								
	04-10-52	16,500.00								
	06-19-52	3,840.00								
1958	07-07-52	8,180.00								
	06-08-53	21,800.00								
	03-16-53	6,780.00								
	05-28-53	5,090.00								
	06-30-53	5,560.00								
	08-07-53	5,340.00								
1959	02-15-52	4,300.00	2							
	04-01-52	33,000.00								
	07-04-51	7,580.00								
	04-01-52	33,000.00								
	02-15-52	4,300.00								
	03-22-52	9,650.00								
1960	04-10-52	16,500.00								
	06-19-52	3,840.00								
	07-07-52	8,180.00								
	06-08-53	21,800.00								
	03-16-53	6,780.00								
	05-28-53	5,090.00								
1961	06-30-53	5,560.00								
	08-07-53	5,340.00								
	02-15-52	4,300.00	2							
	04-01-52	33,000.00								
	07-04-51	7,580.00								
	04-01-52	33,000.00								
1962	02-15-52	4,300.00								
	03-22-52	9,650.00								
	04-10-52	16,500.00								
	06-19-52	3,840.00								
	07-07-52	8,180.00								
	06-08-53	21,800.00								
1963	03-16-53	6,780.00								
	05-28-53	5,090.00								
	06-30-53	5,560.00								
	08-07-53	5,340.00								
	02-15-52	4,300.00	2							
	04-01-52	33,000.00								
1964	07-04-51	7,580.00								
	04-01-52	33,000.00								
	02-15-52	4,300.00								
	03-22-52	9,650.00								
	04-10-52	16,500.00								
	06-19-52	3,840.00								
1965	07-07-52	8,180.00								
	06-08-53	21,800.00								
	03-16-53	6,780.00								
	05-28-53	5,090.00								
	06-30-53	5,560.00								
	08-07-53	5,340.00								
1966	02-15-52	4,300.00	2							
	04-01-52	33,000.00								
	07-04-51	7,580.00								
	04-01-52	33,000.00								
	02-15-52	4,300.00								
	03-22-52	9,650.00								
1967	04-10-52	16,500.00								
	06-19-52	3,840.00								
	07-07-52	8,180.00								
	06-08-53	21,800.00								
	03-16-53	6,780.00								
	05-28-53	5,090.00								
1968	06-30-53	5,560.00								
	08-07-53	5,340.00								
	02-15-52	4,300.00	2							
	04-01-52	33,000.00								
	07-04-51	7,580.00								
	04-01-52	33,000.00								
1969	02-15-52	4,300.00								
	03-22-52	9,650.00								
	04-10-52	16,500.00								
	06-19-52	3,840.00								
	07-07-52	8,180.00								
	06-08-53	21,800.00								
1970	03-16-53	6,780.00								
	05-28-53	5,090.00								
	06-30-53	5,560.00								
	08-07-53	5,340.00								
	02-15-52	4,300.00	2							
	04-01-52	33,000.00								
1971	07-04-51	7,580.00								
	0									

Table 249. Station 06485500, Big Sioux River at Akron, Iowa—Continued

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest gage height since (ft)	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1954	06-22-54	21,700.00		19.95						1
	03-22-54	15,600.00		18.11						
	03-11-55	4,940.00		12.25						0
1955	07-17-56	1,840.00		8.13						0
	06-21-57	19,400.00		19.57						2
1956	03-26-57	4,580.00		12.14						
	07-05-57	5,980.00		14.40						
	04-08-58	1,120.00		5.98						0
1957	06-03-59	8,430.00		16.93						0
	04-01-60	49,500.00		21.56						1
1958	04-15-60	8,930.00		16.18						
	03-05-61	9,050.00		16.18						1
	03-17-61	5,840.00		14.12						
1959	03-31-62	54,300.00		22.08						5
	05-26-62	8,500.00		16.11						
	05-31-62	4,620.00		12.98						
1960	06-10-62	4,100.00		12.34						
	06-19-62	9,010.00		16.78						
	07-08-62	4,240.00		12.34						
1961	08-07-63	1,650.00		7.59						0
	04-04-64	2,540.00		9.30						0
	04-08-65	21,000.00		20.85						6
1962	05-11-65	4,150.00		12.10						
	05-18-65	4,110.00		12.04						
	05-28-65	3,930.00		11.74						
1963	06-13-65	5,420.00		13.96						
	06-15-65	4,110.00		12.04						
	06-29-65	5,680.00		14.25						
1964	02-12-66	16,500.00		19.85	1					1
	03-20-66	4,090.00		11.74						
	03-05-67	5,300.00		14.79	1					2
1965	04-05-67	4,230.00		11.96						
	06-22-67	3,910.00		11.78						
	06-27-68	635.00		4.80						0
1966	04-09-69	80,800.00		22.99						2
	07-02-69	13,100.00		18.26						
	07-11-69	5,400.00		13.58						
1967	05-30-70	8,580.00		16.30						3
	03-06-70	7,480.00		15.70						
	04-08-70	5,610.00		13.76						
1968	05-28-70	7,160.00		15.42						
	06-11-71	7,310.00		15.69		17.16		02-22-71	1	3
	03-16-71	4,240.00		11.79						
1969	03-31-71	3,890.00		11.26						
	06-11-71	7,310.00		15.69						
	06-08-72	10,500.00		17.02						2
1970	03-17-72	10,200.00		17.35						
	05-04-72	8,060.00		15.58						

Table 249. Station 06485500, Big Sioux River at Akron, Iowa—Continued

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since (ft)	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1973	03-05-73	12,500.00		18.74	1					1
	03-14-73	8,710.00		16.62						
	06-22-74	3,000.00		9.76						0
	05-01-75	2,920.00		9.76						0
	03-15-76	3,250.00		10.31	2		12.26	02-18-76	1	0
	03-15-77	5,270.00		13.60						0
	03-22-78	18,200.00		19.88						2
	04-09-78	6,890.00		15.88						
	04-21-78	5,280.00		14.11						
	03-25-79	30,500.00		21.74	1					6
1979	04-01-79	13,100.00		18.18						
	04-16-79	12,600.00		18.16						
	05-13-79	8,330.00		16.80						
	08-12-79	4,380.00		12.70						
	08-25-79	5,770.00		14.81						
	08-30-79	4,690.00		13.29						
	11-04-79	8,730.00		17.10						2
	05-30-80	4,530.00		12.76						
	06-08-80	5,500.00		14.17						
	06-17-81	3,180.00		10.75						0
1981	02-25-82	6,500.00	9	16.45	1					0
	06-22-83	34,500.00		21.49						9
	10-12-82	4,680.00		12.70						
	10-25-82	3,530.00		10.86						
	11-23-82	5,080.00		13.19						
	03-09-83	21,000.00		20.83						
	04-04-83	12,500.00		17.92						
	04-15-83	15,500.00		19.01						
	05-05-83	9,320.00		16.65						
	05-11-83	8,860.00		16.45						
1984	06-28-83	16,300.00		19.28						
	06-23-84	52,200.00		22.27						6
	02-19-84	4,900.00	9	14.33	1					
	04-14-84	37,300.00		21.52						
	05-03-84	11,600.00		17.40						
	05-09-84	15,100.00		18.63						
	05-30-84	4,810.00		13.52						
	06-19-84	34,500.00		21.24						
	04-26-85	21,000.00		20.29						6
	03-14-85	10,100.00		17.03						
1985	04-06-85	5,400.00		14.48						
	05-18-85	3,720.00		12.56						
	06-01-85	5,180.00		14.13						
	08-29-85	4,120.00		12.98						
	09-07-85	3,880.00		12.71						
	09-25-86	23,100.00		21.98						10
	03-21-86	22,600.00		21.21						
	04-08-86	14,000.00		19.05						

Table 249. Station 06485500, Big Sioux River at Akron, Iowa—Continued

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1986	04-17-86	13,200.00		18.80						
	05-01-86	15,800.00		19.57						
	05-18-86	9,760.00		17.55						
	06-07-86	5,970.00		15.09						
	06-14-86	4,520.00		13.38						
	06-25-86	12,200.00		18.33						
	07-02-86	5,340.00		14.06						
	07-14-86	4,480.00		13.02						
	03-27-87	12,200.00		18.50						
	03-12-88	3,110.00		10.82	2		11.82	03-16-88	1	0
	03-12-89	4,100.00		15.36	1					0
	06-17-90	5,550.00	2	14.45						0
	06-21-90	3,660.00		11.69						2
	06-29-90	5,410.00		14.27						
06-15-91	2,270.00		9.26						0	
07-06-92	9,710.00		16.78						6	
03-03-92	7,450.00		12.05							
06-28-92	3,660.00		17.75							
07-15-92	8,310.00		14.42							
07-27-92	5,000.00		15.88							
08-10-92	6,050.00		14.45							
09-05-92	5,010.00		23.05						16	
05-10-93	66,700.00		14.86							
10-11-92	5,420.00		22.24							
03-31-93	29,700.00		16.47							
05-04-93	6,900.00		17.12							
05-25-93	9,050.00		19.65							
06-01-93	19,600.00		17.99							
06-09-93	12,000.00		19.05							
06-20-93	16,400.00		20.23							
06-26-93	23,100.00		21.94							
07-02-93	36,400.00		22.50							
07-06-93	50,000.00		22.69							
07-13-93	55,300.00		19.86							
07-19-93	20,800.00		18.36							
07-27-93	13,400.00		17.67							
08-17-93	10,800.00		16.71							
09-01-93	8,110.00		13.89							
09-22-93	4,410.00		21.08							
06-16-94	20,400.00		17.29						7	
02-20-94	4,500.00		19.96							
03-08-94	20,000.00		15.28							
04-17-94	5,980.00		16.37							
05-03-94	7,550.00		15.80							
06-09-94	6,570.00		19.64							
06-25-94	15,400.00		13.08							
08-14-94	4,270.00									

Table 250. Station 06485550, West Union Creek near Alcester, South Dakota

Station locator  
 Latitude Longitude  
 425618 0963800

Drainage area: 3.48 mi<sup>2</sup>  
 Contributing drainage area: 3.48 mi<sup>2</sup>  
 Gage datum:  
 Base discharge:

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage-height codes	Highest since	Maximum gage height (ft)	Date	Gage-height codes	Number of partial peaks
1969	06-27-69	2,100.00		8.95						0
1970	05-27-70	640.00		6.39						0
1971	06-06-71	940.00		7.50						0
1972	06-07-72	905.00		7.31						0
1973	06-18-73	425.00		4.60						0
1974	06-22-74	566.00		5.28						0
1975	04-16-75	128.00		3.14						0
1976	03-12-76	50.00		5.28	1					0
1977	09-12-77	276.00		3.93						0
1978	07-22-78	272.00		3.91						0
1979	04- -79	100.00		7.47						0



Table 251. Station 06485696, Brule Creek near Elk Point, South Dakota

Station locator  
 Latitude Longitude  
 424832 0964111

Drainage area: 204 mi<sup>2</sup>  
 Contributing drainage area: 204 mi<sup>2</sup>  
 Gage datum: 1,150.00 ft above sea level  
 Base discharge: 500 ft<sup>3</sup>/s

Note: Blanks indicate no information, except for discharge-code and gage-height-code columns

Water year	Date	Peak discharge (ft <sup>3</sup> /s)	Discharge codes	Gage height (ft)	Gage height codes	Highest since	Maximum gage height (ft)	Date	Gage height codes	Number of partial peaks
1983	06-28-83	6,290.00		22.39						0
1984	06-21-84	3,250.00		18.51						13
	03-26-84	1,400.00	9	14.51	1					
	04-03-84	1,090.00		11.99						
	04-08-84	1,100.00		12.07						
	04-13-84	2,440.00		16.85						
	04-22-84	753.00		10.32						
	04-26-84	1,580.00		14.13						
	04-30-84	944.00		11.27						
	05-07-84	1,340.00		13.10						
	05-28-84	598.00		9.37						
	06-08-84	580.00		9.27						
	06-13-84	593.00		9.38						
	06-16-84	1,420.00		13.48						
	06-18-84	1,300.00		12.95						
1985	04-23-85	2,310.00		15.91						2
	06-26-85	544.00		8.81						
	06-27-85	678.00		9.57						
1986	03-18-86	1,840.00		14.70						3
	03-12-86	1,500.00	2,9							
	04-05-86	606.00								
	06-11-86	642.00		9.13						
1987	03-24-87	567.00		9.38						0
1988	03-01-88	500.00		8.89						0
1989	07-29-89	454.00	2	11.10	1					0
1990	05-19-90	2,040.00		8.38	2		9.86	03-11-89	1	0
	05-23-90	754.00		15.11						2
	06-18-90	1,320.00		9.75						
1991	07-28-91	739.00		12.35						0
1992	05-16-92	1,170.00		9.62						2
	07-08-92	673.00		11.66						
	07-12-92	1,110.00		9.20						
1993	03-28-93	2,210.00		11.42						
	10-08-92	1,230.00		15.32	2		15.34	07-15-93		4
	07-15-93	2,130.00		11.93						
	07-17-93	1,330.00		15.34						
	08-17-93	510.00		12.32						
1994	02-19-94	750.00		7.99	1					0
				12.86						