Water-Data Report 2008

06478500 JAMES RIVER NEAR SCOTLAND, SD

James Basin
Lower James Subbasin

LOCATION.--Lat 43°11′09″, long 97°38′07″ referenced to North American Datum of 1927, in SW ¼ SW ¼ sec.30, T.97 N., R.57 W., Hutchinson County, SD, Hydrologic Unit 10160011, on right bank 5.0 ft downstream from highway bridge, 0.3 mi upstream from Dawson Creek, and 5.2 mi northeast of Scotland.

DRAINAGE AREA.--20,653 mi^2 of which 4,148 mi^2 probably is noncontributing.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--September 1928 to current year. Monthly discharge only for some periods, published in WSP 1309.

REVISED RECORDS.--WSP 786: Drainage area. WSP 956: 1937-38. WSP 1279: 1932, 1948. WDR SD-84-1: Drainage area. WDR SD-86-1: Drainage area. WDR SD-88-1: Datum.

GAGE.--Water-stage recorder, crest-stage gage, and rock and earth control. Datum of gage is 1,168.02 ft above NGVD of 1929. Prior to Nov. 28, 1972, at site 0.25 mi downstream at present datum.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Low flow regulated by dams forming Arrowwood and Jim Lakes, combined capacity, 16,530 acre-ft, and by dam forming Jamestown Reservoir, capacity, 229,470 acre-ft, since May 1953, and by dam forming Pipestem Reservoir, capacity, 147,000 acre-ft, since 1973. Occasional backwater caused by Dawson Creek; reverse flow occurred for part of May 15, 1961, from information by local residents. U.S. Army Corps of Engineers satellite data-collection platform at station. Water temperature and specific conductance are measured with each discharge measurement.

06478500 JAMES RIVER NEAR SCOTLAND, SD—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	792	498	e215	e185	e145	e1,400	313	1,480	560	1,030	420	242
2	780	464	e215	e185	e145	e1,500	330	1,540	473	998	388	243
3	740	444	e230	e185	e145	e700	447	1,500	1,160	958	362	259
4	695	433	e240	e190	e145	e400	645	1,440	2,310	873	355	254
5	700	433	e235	e190	e145	e300	736	1,240	2,490	777	343	235
6	698	420	e240	e190	e141	e250	727	1,040	4,880	704	338	230
7	682	394	e240	e195	e138	e200	722	924	10,200	676	330	312
8	710	383	e240	e195	e135	e180	692	858	11,300	658	323	448
9	696	381	e240	e195	e130	e170	672	767	8,600	656	319	499
10	675	377	e240	e195	e125	e175	665	733	6,900	602	320	465
11	651	370	e240	e193	e125	e180	793	779	5,600	541	319	428
12	633	361	e240	e193	e125	e210	847	746	4,700	495	328	400
13	616	342	e240	e190	e125	e300	880	699	4,100	464	319	372
14	645	337	e235	e190	e120	e400	952	691	3,530	427	314	346
15	776	334	e235	e190	e110	424	1,080	692	2,970	391	302	316
16	1,360	315	e235	e185	e115	358	1,200	673	2,260	357	283	284
17	1,770	310	e235	e185	e110	338	1,270	623	1,920	336	265	275
18	1,890	308	e235	e185	e110	329	1,160	576	1,750	325	254	268
19	1,860	e300	e235	e185	e110	329	1,000	526	1,660	311	249	254
20	1,800	e299	e235	e180	e100	349	932	503	1,570	299	251	252
21	1,530	e299	e235	e170	e105	364	918	460	1,450	311	257	241
22	1,200	e299	e235	e165	e105	353	902	443	1,350	312	266	218
23	923	e285	e230	e160	e110	319	841	435	1,270	323	279	207
24	736	e275	e230	e155	e110	269	774	444	1,220	1,500	272	210
25	622	e280	e230	e150	e120	260	958	483	1,160	1,910	251	210
26	581	e285	e230	e150	e130	264	1,400	492	1,130	1,270	228	198
27	581	e285	e230	e150	e130	250	2,110	475	1,160	782	225	190
28	563	e284	e220	e150	e150	260	2,660	438	1,200	605	266	190
29	532	e250	e210	e145	e300	256	2,310	421	1,180	527	303	201
30	517	e240	e200	e140	---	250	1,760	615	1,110	488	300	191
31	516	---	e190	e142	---	282	---	733	---	454	271	---
Total	27,470	10,285	7,140	5,458	3,804	11,619	30,696	23,469	91,163	20,360	9,300	8,438
Mean	886	343	230	176	131	375	1,023	757	3,039	657	300	281
Max	1,890	498	240	195	300	1,500	2,660	1,540	11,300	1,910	420	499
Min	516	240	190	140	100	170	313	421	473	299	225	190
Ac-ft	54,490	20,400	14,160	10,830	7,550	23,050	60,890	46,550	180,800	40,380	18,450	16,740

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2008, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	189	177	129	74.4	124	796	1,889	1,462	1,215	732	427	257
Max	1,613	2,050	1,885	716	800	4,118	20,950	13,180	7,585	8,582	4,154	2,048
(WY)	(2000)	(1999)	(1999)	(1999)	(1994)	(1994)	(1997)	(1995)	(1984)	(1993)	(1993)	(1999)
Min	0.00	0.00	2.72	1.52	2.14	16.8	18.5	8.52	5.14	0.79	0.00	0.27
(WY)	(1940)	(1940)	(1940)	(1940)	(1940)	(1940)	(1934)	(1934)	(1981)	(1936)	(1934)	(1941)

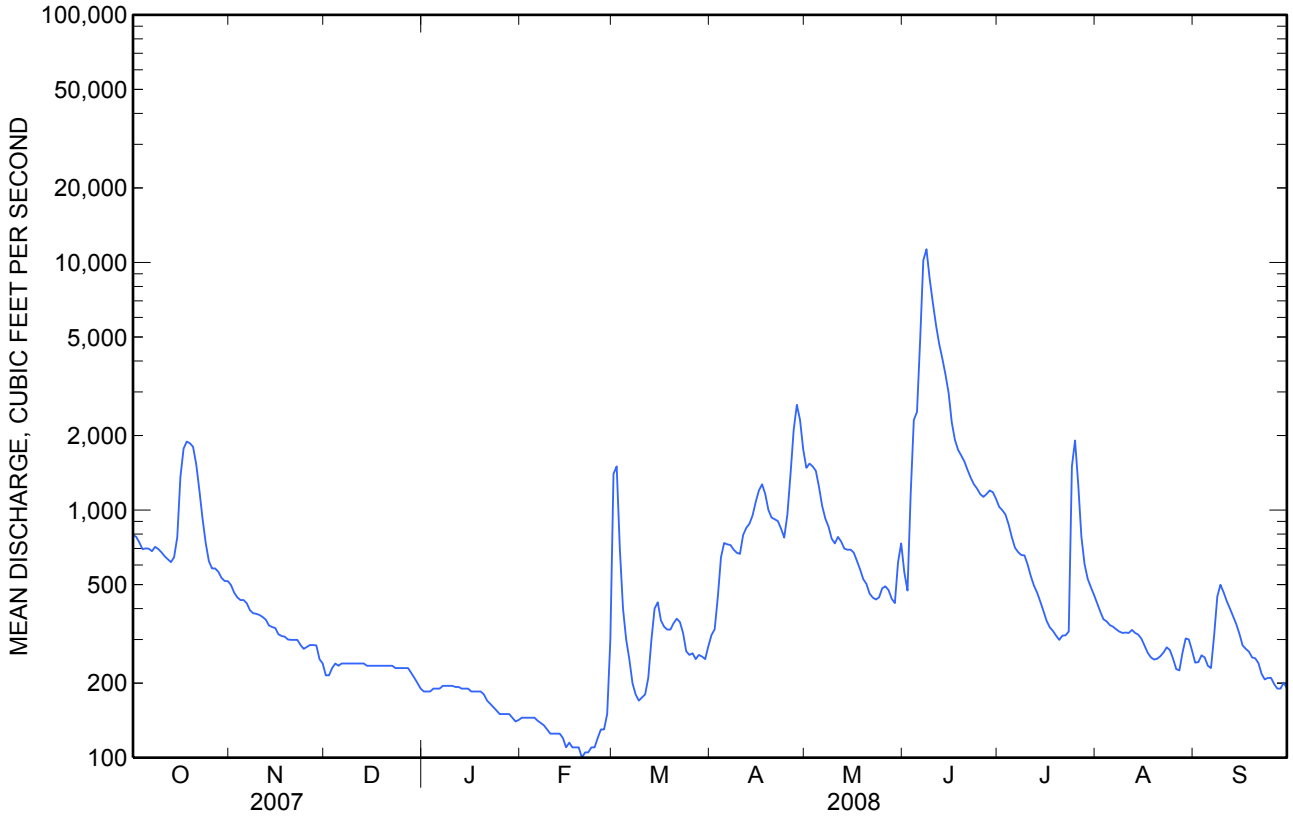
06478500 JAMES RIVER NEAR SCOTLAND, SD—Continued

SUMMARY STATISTICS

	Calendar Year 2007		Water Year 2008		Water Years 1929 - 2008	
Annual total	772,748		249,202			
Annual mean	2,117		681		[a]624	
Highest annual mean					3,996	1997
Lowest annual mean					13.8	1934
Highest daily mean	19,800	May 11	11,300	Jun 8	27,800	Apr 9, 1997
Lowest daily mean	21	Feb 11	100	Feb 20	[b]0.00	Jul 28, 1934
Annual seven-day minimum	21	Feb 10	107	Feb 17	0.00	Jul 28, 1934
Maximum peak flow			12,900	Jun 8	29,400	Jun 23, 1984
Maximum peak stage			18.02	Jun 8	20.45	Jun 23, 1984
Annual runoff (ac-ft)	1,533,000		494,300		451,800	
10 percent exceeds	4,530		1,370		1,600	
50 percent exceeds	1,350		335		111	
90 percent exceeds	48		158		10	

[a] Median of annual mean discharge, 320 ft³/s.

[b] No flow for many days in some years.



06478500 JAMES RIVER NEAR SCOTLAND, SD—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Chemical analyses: October 1955 to September 1964, October 1966 to September 1973, October 1974 to September 1995.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1974 to September 1981, June 1985 to September 1988 (seasonal), March 2006 to November 15, 2007(seasonal), discontinued.
pH: June to August 1985, March 2006 to November 15, 2007(seasonal), discontinued.
WATER TEMPERATURE: January 1953 to September 1969, October 1974 to September 1983, June 1985 to September 1988 (seasonal), March 2006 to November 15, 2007(seasonal), discontinued.
DISSOLVED OXYGEN: June to August, 1985, March 2006 to November 15, 2007(seasonal), discontinued.
TURBIDITY: March 2006 to November 15, 2007(seasonal), discontinued.
SUSPENDED-SEDIMENT DISCHARGE: October 1981 to September 1983, May 11 and May 23, 2007.

REMARKS.--Data published in the tables below are rated as follows: specific conductance, excellent to good; pH, excellent to good; water temperature, excellent; dissolved oxygen, excellent to good; and turbidity, good. Daily records are collected at 15-minute intervals using a multi-parameter water-quality instrument from March to November. Satellite data-collection platform at station. Interruptions in daily records due to probes fouling and/or instrument malfunctions.

Prior to October 1969, continuous temperature thermograph at station.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily, 2660 µS/cm, January 9, 1977; minimum daily, 300 µS/cm, March 19, 1977.
pH: Maximum daily, 8.9 standard units, many days; minimum, 7.5 standard units, June 30, July 2, 1985 and May 10-14, 2007.
WATER TEMPERATURE: Maximum, 32.5°C, August 1, 2, 1987; minimum daily, 0.0 °C, on many days during winter periods.
DISSOLVED OXYGEN: Maximum, 17.4 mg/L, July 22, 2006; minimum, 0.3 mg/L, August 14, 2006.
TURBIDITY: Maximum, 470 FN units, April 21, 2007; minimum 6.5 FN units, November 1, 2006.
SEDIMENT CONCENTRATION: Maximum daily mean, 953 mg/L, June 21, 1983; minimum daily mean, 12 mg/L, November 8, 1982.
SEDIMENT LOAD: Maximum daily, 5890 tons, June 21, 1983; minimum daily, 1.7 tons, October 2, 11, 1981.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 1560 µS/cm, November 9 and 14; minimum, 1100 µS/cm, October 17.
pH: Maximum, 8.8 standard units, October 27 and 28; minimum, 8.2 standard units, October 18-21.
WATER TEMPERATURE: Maximum, 21.6°C, October 6; minimum, 4.0°C, November 9.
DISSOLVED OXYGEN: Maximum, 17.3 mg/L, November 12; minimum, 7.4 mg/L, October 8.
TURBIDITY: Maximum, 130 FN units, Oct. 16; minimum 16 FN units, November 9.

06478500 JAMES RIVER NEAR SCOTLAND, SD—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		October			November			December			January	
1	1,320	1,310	1,310	1,530	1,520	1,520	---	---	---	---	---	---
2	1,320	1,310	1,310	1,530	1,520	1,520	---	---	---	---	---	---
3	1,320	1,310	1,310	1,550	1,520	1,530	---	---	---	---	---	---
4	---	---	---	1,550	1,520	1,540	---	---	---	---	---	---
5	1,310	1,300	1,300	1,530	1,480	1,500	---	---	---	---	---	---
6	1,320	1,300	1,310	1,520	1,480	1,500	---	---	---	---	---	---
7	1,330	1,310	1,320	1,520	1,490	1,500	---	---	---	---	---	---
8	1,340	1,310	1,330	1,540	1,500	1,520	---	---	---	---	---	---
9	1,340	1,330	1,340	1,560	1,530	1,550	---	---	---	---	---	---
10	1,350	1,340	1,340	1,530	1,490	1,510	---	---	---	---	---	---
11	1,360	1,350	1,360	1,510	1,490	1,500	---	---	---	---	---	---
12	1,360	1,360	1,360	1,510	1,490	1,500	---	---	---	---	---	---
13	1,370	1,340	1,360	1,530	1,500	1,520	---	---	---	---	---	---
14	1,360	1,340	1,350	1,560	1,530	1,540	---	---	---	---	---	---
15	1,360	1,300	1,350	---	---	---	---	---	---	---	---	---
16	1,300	1,140	1,230	---	---	---	---	---	---	---	---	---
17	1,160	1,100	1,120	---	---	---	---	---	---	---	---	---
18	1,260	1,160	1,230	---	---	---	---	---	---	---	---	---
19	1,230	1,160	1,180	---	---	---	---	---	---	---	---	---
20	1,200	1,160	1,180	---	---	---	---	---	---	---	---	---
21	1,240	1,200	1,220	---	---	---	---	---	---	---	---	---
22	1,270	1,240	1,260	---	---	---	---	---	---	---	---	---
23	1,310	1,270	1,300	---	---	---	---	---	---	---	---	---
24	1,370	1,300	1,340	---	---	---	---	---	---	---	---	---
25	1,400	1,360	1,380	---	---	---	---	---	---	---	---	---
26	1,410	1,390	1,400	---	---	---	---	---	---	---	---	---
27	1,440	1,410	1,420	---	---	---	---	---	---	---	---	---
28	1,440	1,430	1,440	---	---	---	---	---	---	---	---	---
29	1,460	1,430	1,450	---	---	---	---	---	---	---	---	---
30	1,480	1,460	1,470	---	---	---	---	---	---	---	---	---
31	1,520	1,480	1,490	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

06478500 JAMES RIVER NEAR SCOTLAND, SD—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	October		November		December		January		February		March	
1	8.5	8.4	8.6	8.5	---	---	---	---	---	---	---	---
2	8.5	8.4	8.6	8.5	---	---	---	---	---	---	---	---
3	8.5	8.5	8.6	8.6	---	---	---	---	---	---	---	---
4	---	---	8.6	8.6	---	---	---	---	---	---	---	---
5	8.5	8.5	8.7	8.6	---	---	---	---	---	---	---	---
6	8.5	8.5	8.7	8.6	---	---	---	---	---	---	---	---
7	8.5	8.4	8.7	8.6	---	---	---	---	---	---	---	---
8	8.5	8.4	8.7	8.6	---	---	---	---	---	---	---	---
9	8.5	8.4	8.7	8.6	---	---	---	---	---	---	---	---
10	8.5	8.4	8.7	8.6	---	---	---	---	---	---	---	---
11	8.5	8.5	8.8	8.6	---	---	---	---	---	---	---	---
12	8.5	8.5	8.7	8.6	---	---	---	---	---	---	---	---
13	8.5	8.5	8.7	8.6	---	---	---	---	---	---	---	---
14	8.5	8.4	8.6	8.6	---	---	---	---	---	---	---	---
15	8.4	8.4	8.6	8.6	---	---	---	---	---	---	---	---
16	8.4	8.3	---	---	---	---	---	---	---	---	---	---
17	8.3	8.3	---	---	---	---	---	---	---	---	---	---
18	8.3	8.2	---	---	---	---	---	---	---	---	---	---
19	8.2	8.2	---	---	---	---	---	---	---	---	---	---
20	8.3	8.2	---	---	---	---	---	---	---	---	---	---
21	8.3	8.2	---	---	---	---	---	---	---	---	---	---
22	8.3	8.3	---	---	---	---	---	---	---	---	---	---
23	8.4	8.3	---	---	---	---	---	---	---	---	---	---
24	8.5	8.4	---	---	---	---	---	---	---	---	---	---
25	8.6	8.4	---	---	---	---	---	---	---	---	---	---
26	8.7	8.5	---	---	---	---	---	---	---	---	---	---
27	8.8	8.6	---	---	---	---	---	---	---	---	---	---
28	8.8	8.7	---	---	---	---	---	---	---	---	---	---
29	8.7	8.6	---	---	---	---	---	---	---	---	---	---
30	8.6	8.5	---	---	---	---	---	---	---	---	---	---
31	8.6	8.5	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

06478500 JAMES RIVER NEAR SCOTLAND, SD—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		October			November			December			January	
1	18.2	16.8	17.5	10.0	8.6	9.3	---	---	---	---	---	---
2	17.8	16.9	17.5	9.2	8.1	8.8	---	---	---	---	---	---
3	---	15.8	---	8.6	7.2	7.7	---	---	---	---	---	---
4	---	---	---	8.0	6.6	7.3	---	---	---	---	---	---
5	19.7	---	---	7.8	6.4	7.1	---	---	---	---	---	---
6	21.6	19.3	20.3	6.4	5.3	5.8	---	---	---	---	---	---
7	21.2	18.7	20.0	5.4	4.1	4.7	---	---	---	---	---	---
8	18.7	17.2	18.0	5.2	4.1	4.7	---	---	---	---	---	---
9	17.5	16.4	16.9	5.1	4.0	4.7	---	---	---	---	---	---
10	16.5	14.9	15.6	5.9	4.4	5.1	---	---	---	---	---	---
11	14.9	13.8	14.3	6.7	4.9	5.9	---	---	---	---	---	---
12	14.9	13.3	14.1	7.0	6.1	6.5	---	---	---	---	---	---
13	14.3	13.7	14.0	6.9	6.0	6.5	---	---	---	---	---	---
14	13.7	12.9	13.4	6.9	5.3	5.9	---	---	---	---	---	---
15	12.9	11.7	12.3	---	---	---	---	---	---	---	---	---
16	11.7	11.1	11.3	---	---	---	---	---	---	---	---	---
17	11.5	10.9	11.1	---	---	---	---	---	---	---	---	---
18	12.2	11.5	11.9	---	---	---	---	---	---	---	---	---
19	12.1	11.4	11.8	---	---	---	---	---	---	---	---	---
20	12.4	11.3	11.9	---	---	---	---	---	---	---	---	---
21	12.2	11.5	11.8	---	---	---	---	---	---	---	---	---
22	11.5	10.5	11.0	---	---	---	---	---	---	---	---	---
23	11.6	10.2	10.9	---	---	---	---	---	---	---	---	---
24	11.7	10.4	11.0	---	---	---	---	---	---	---	---	---
25	11.5	10.3	10.9	---	---	---	---	---	---	---	---	---
26	11.4	9.9	10.6	---	---	---	---	---	---	---	---	---
27	10.9	9.5	10.3	---	---	---	---	---	---	---	---	---
28	10.3	8.9	9.7	---	---	---	---	---	---	---	---	---
29	10.8	8.9	9.8	---	---	---	---	---	---	---	---	---
30	11.3	9.5	10.4	---	---	---	---	---	---	---	---	---
31	11.1	9.6	10.3	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

06478500 JAMES RIVER NEAR SCOTLAND, SD—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		October			November			December			January	
1	8.9	7.7	8.2	12.2	10.7	11.4	---	---	---	---	---	---
2	9.0	8.1	8.5	12.5	10.8	11.7	---	---	---	---	---	---
3	---	8.4	---	12.6	11.1	11.8	---	---	---	---	---	---
4	---	---	---	13.1	11.2	12.1	---	---	---	---	---	---
5	9.8	---	---	13.0	11.4	12.2	---	---	---	---	---	---
6	9.3	8.1	8.7	13.8	11.9	12.9	---	---	---	---	---	---
7	8.3	7.5	7.8	14.5	12.2	13.3	---	---	---	---	---	---
8	8.8	7.4	8.1	13.7	12.2	13.0	---	---	---	---	---	---
9	9.2	8.1	8.6	14.0	12.3	13.2	---	---	---	---	---	---
10	9.5	8.5	8.9	15.6	13.2	14.4	---	---	---	---	---	---
11	10.0	8.9	9.4	17.2	14.1	15.8	---	---	---	---	---	---
12	10.4	9.3	9.8	17.3	13.6	15.4	---	---	---	---	---	---
13	9.8	9.3	9.5	16.1	13.3	14.2	---	---	---	---	---	---
14	9.3	9.0	9.2	13.9	12.5	13.3	---	---	---	---	---	---
15	9.2	9.0	9.1	---	---	---	---	---	---	---	---	---
16	9.1	8.9	9.0	---	---	---	---	---	---	---	---	---
17	9.2	9.0	9.1	---	---	---	---	---	---	---	---	---
18	9.2	8.9	9.1	---	---	---	---	---	---	---	---	---
19	9.4	8.9	9.1	---	---	---	---	---	---	---	---	---
20	9.6	9.3	9.4	---	---	---	---	---	---	---	---	---
21	9.8	9.4	9.6	---	---	---	---	---	---	---	---	---
22	10.6	9.6	10.1	---	---	---	---	---	---	---	---	---
23	11.4	10.2	10.7	---	---	---	---	---	---	---	---	---
24	13.2	10.9	11.8	---	---	---	---	---	---	---	---	---
25	13.5	11.3	12.2	---	---	---	---	---	---	---	---	---
26	14.8	11.8	13.0	---	---	---	---	---	---	---	---	---
27	15.9	12.2	13.7	---	---	---	---	---	---	---	---	---
28	15.9	13.0	14.3	---	---	---	---	---	---	---	---	---
29	14.1	12.1	12.9	---	---	---	---	---	---	---	---	---
30	12.5	11.1	11.7	---	---	---	---	---	---	---	---	---
31	12.1	10.6	11.3	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

06478500 JAMES RIVER NEAR SCOTLAND, SD—Continued

TURBIDITY, WATER, UNFILT, NEAR IR LED LIGHT, 780-900 NM, DETECT ANG. 90 DEG, FORMAZIN NEPHELOMETRIC UNITS
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		October			November			December			January	
1	81	71	74	38	32	35	---	---	---	---	---	---
2	82	73	78	38	31	34	---	---	---	---	---	---
3	---	74	---	32	27	29	---	---	---	---	---	---
4	---	---	---	29	22	25	---	---	---	---	---	---
5	---	76	---	37	24	30	---	---	---	---	---	---
6	82	75	78	37	24	29	---	---	---	---	---	---
7	84	74	79	29	22	26	---	---	---	---	---	---
8	86	79	82	24	17	20	---	---	---	---	---	---
9	86	77	81	19	16	17	---	---	---	---	---	---
10	82	74	78	28	19	24	---	---	---	---	---	---
11	77	66	71	29	24	26	---	---	---	---	---	---
12	70	66	68	29	25	27	---	---	---	---	---	---
13	72	64	66	29	24	26	---	---	---	---	---	---
14	66	60	64	39	26	31	---	---	---	---	---	---
15	110	60	71	---	19	---	---	---	---	---	---	---
16	130	100	120	---	---	---	---	---	---	---	---	---
17	110	84	94	---	---	---	---	---	---	---	---	---
18	85	75	79	---	---	---	---	---	---	---	---	---
19	84	78	81	---	---	---	---	---	---	---	---	---
20	79	66	71	---	---	---	---	---	---	---	---	---
21	67	57	61	---	---	---	---	---	---	---	---	---
22	57	45	50	---	---	---	---	---	---	---	---	---
23	46	40	42	---	---	---	---	---	---	---	---	---
24	41	34	37	---	---	---	---	---	---	---	---	---
25	39	35	37	---	---	---	---	---	---	---	---	---
26	37	32	34	---	---	---	---	---	---	---	---	---
27	38	34	36	---	---	---	---	---	---	---	---	---
28	40	32	36	---	---	---	---	---	---	---	---	---
29	40	29	32	---	---	---	---	---	---	---	---	---
30	35	28	31	---	---	---	---	---	---	---	---	---
31	42	35	39	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

06478500 JAMES RIVER NEAR SCOTLAND, SD—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Date	Time	Instantaneous discharge, ft3/s (00061)	Turbidity, IR LED light, det ang 90 deg, FNU (63680)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unf µS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)
Oct								
02...	1445	791	--	--	--	1,350	20.0	17.0
Nov								
15...	1158	--	18	12.6	8.6	1,640	--	4.6
28...	1150	284	--	--	--	1,950	-2.5	-.5
Feb								
06...	1350	142	--	--	--	2,300	-2.0	.5
Apr								
02...	1600	327	--	--	--	1,660	8.0	6.5
May								
20...	1815	493	--	--	--	2,040	20.5	18.0
Jun								
07...	1440	11,000	--	--	--	572	26.0	19.0
11...	0910	5,770	--	--	--	899	25.0	21.0
16...	1330	2,230	--	--	--	1,280	19.0	21.0
20...	0830	1,560	--	--	--	1,520	26.0	24.5
Jul								
02...	0935	996	--	--	--	1,760	25.0	23.5
Aug								
18...	1010	252	--	--	--	1,710	24.0	24.5