

NOWOOD RIVER

**Avent
Harmony
Shafer
Western**

DESCRIPTION AND OPERATION MEMORANDUM

AVENT (VAN ALSTINE-WALKER) DITCH

DIVERSION DESCRIPTION

Two 2' screwtype sliding metal gates in concrete headwall.

DIVERSION LOCATION

Source: Nowood River
N 61° 35' E, 851' from corner no.5 of Tract 50, Township 49N, Range 91W.

CONVEYANCE DESCRIPTION

Open dirt ditch 7 1/2 miles long delivering water to approximately 1700 acres (including lands originally served by the Avant, Secesh, and Dyke ditches) using portions of those original ditches as laterals adding another approximately 3 miles of ditch. Ditch serves 8 users and has an approximate capacity of 40 c.f.s.

WYOMING WATER RIGHTS

Priority Date	Permit Number	Permit Use	Acres	Flow(cfs)	(af)	Cumulative Flow(cfs)	Comments
7/05/1895	1008	Irr.	120.00	1.71		1.71	
2/27/1903	997E	Irr.	571.29	8.14		9.85	
2/10/1904	5847	Irr.	257.00	3.66		13.51	
10/15/1904	1358E	Irr.	26.00	0.37		13.88	
9/09/1909	2779E	Irr.	46.00	0.66		14.54	
5/22/1911	2481E	Irr.	18.00	0.26		14.80	
12/16/1960	6062E	Irr.	32.00	0.45		15.25	
2/23/1961	6050E	Irr.	22.20	0.32		15.57	
12/04/1974	6540E	Irr.	11.70	0.17		15.74	

STORAGE RIGHTS

None

ESTIMATED CANAL LOSSES

Varies with time of year; estimated 25-30% at peak.

IRRIGATION PRACTICES

Conventional flood irrigation practices, enhanced by ditch lining and considerable use of irrigation pipe. Some sprinklers.

CROP TYPES / CONSUMPTIVE USE

Alfalfa hay, grass hay, pasture, occasional small grains, beans and occasional corn, lawns and gardens.

RETURN FLOWS

Moderate; all to Nowood River.

OTHER OPERATIONAL INFORMATION

CONTACT INFORMATION

Vernard Tharp
Manderson, WY
(307) 469-2397

PHOTO LOG

Information collected from files available at Division 3 Office of the State Engineer Office in Riverton, WY, and from the ditch contact person when available.

DIVERSION RECORD

Year	Measured Data
1983	
1984	9/6, 18 cfs
1985	8/6, 14 cfs; 8/19, 15 cfs
1986	7/12, 20 cfs; 7/27, 15 cfs; 9/12, 15 cfs
1995	5/2, 20.6 cfs; 5/8, 21.9 cfs; 5/15, 24.6 cfs; 5/22, Off; 6/1, 35.7 cfs; 6/7, 36.9 cfs; 6/15, 40.1 cfs; 6/20, 30.3 cfs; 6/26, 37.3 cfs; 7/5, 36.9 cfs; 7/13, 36.5 cfs; 7/17, 30.3 cfs; 7/24, 26.4 cfs; 7/31, 29.2 cfs; 8/7, 23.9 cfs; 8/16, 25 cfs; 8/24, 23.3 cfs; 8/29, 22.9 cfs; 9/6, 22.6 cfs; 9/11, 22.9 cfs; 9/22, 22.6 cfs; 9/25, 18.1 cfs; 10/3, 16.9 cfs; 10/10, 15.8 cfs
1996	4/10, Off; 5/2, 23.3 cfs; 5/8, 23.6 cfs; 5/13, 23.3 cfs; 5/20, 35.7 cfs; 5/29, 38.1 cfs; 6/4, 35.7 cfs; 6/12, 35.3 cfs; 6/17, 34.1 cfs; 6/24, 31.8 cfs; 7/1, 28.9 cfs; 7/10, 25.7 cfs; 7/15, 24.6 cfs; 7/24, 25 cfs; 7/29, 24.3 cfs; 8/5, 23.3 cfs; 8/13, 22.9 cfs; 8/19, 21.6 cfs; 8/28, 21.3 cfs; 9/6, 21 cfs; 9/11, 19.68 cfs; 9/16, 20 cfs; 9/23, 20.96 cfs; 10/1, 19.37 cfs; 10/8, 19.68 cfs; 10/14, 18.13 cfs; 10/21, 16.92 cfs
1997	4/21, Off; 4/28, Off; 5/5, 23 cfs; 5/15, 23 cfs; 5/20, 26 cfs; 6/6, 26 cfs; 6/13, 27 cfs; 6/16, 27 cfs; 6/24, 27 cfs; 6/30, 23 cfs; 7/11, 23 cfs; 7/14, 21 cfs; 7/25, 19 cfs; 7/30, 23 cfs; 8/6, 27 cfs; 8/13, 28 cfs; 8/15, 27 cfs; 8/22, 41 cfs; 8/25, 38 cfs; 9/1, 26 cfs; 9/8, 24 cfs; 9/17, 25 cfs; 9/23, 27 cfs
1998	4/28, 20.64 cfs; 5/4, 23.6 cfs; 5/11, 24.28 cfs; 5/22, 24.62 cfs; 5/28, 24.28 cfs; 6/1, 23.94 cfs; 6/9, 25.66 cfs; 6/15, 24.97 cfs; 6/25, 24.62 cfs; 7/2, 25.31 cfs; 7/8, 24.62 cfs; 7/13, 25.31 cfs; 7/22, 24.62 cfs; 7/27, 25.31 cfs; 8/7, 24.62 cfs; 8/14, 24.97 cfs; 8/17, 25.31 cfs; 8/24, 24.97 cfs; 9/3, 23.94 cfs; 9/9, 23.6 cfs; 9/14, 19.68 cfs; 9/25, 19.06 cfs; 9/29, 19.37 cfs
1999	4/12, 23.77 cfs; 4/15, 23.66 cfs; 4/20, 24.28 cfs; 4/22, 23.94 cfs; 4/27, 24.97 cfs; 5/4, 24.62 cfs; 5/14, 24.97 cfs; 5/17, 17.82 cfs; 5/28, 22.93 cfs; 6/1, 23.6 cfs; 6/7, 24.88 cfs; 6/14, 23.94 cfs; 6/24, 24.62 cfs; 7/6, 24.97 cfs; 7/15, 24.64 cfs; 7/21, 23.94 cfs; 7/26, 22.93 cfs; 8/6, 22.6 cfs; 8/10, 21.94 cfs; 8/17, 22.27 cfs; 8/23, 21.61 cfs; 9/3, 22.27 cfs; 9/8, 21.61 cfs; 9/13, 20.64 cfs
2000	4/11, 23.94 cfs; 4/17, 25.66 cfs; 4/24, 28.86 cfs; 5/3, 28.5 cfs; 5/9, 27.78 cfs; 5/17, 27.42 cfs; 5/22, 28.14 cfs; 6/1, 27.42 cfs; 6/7, 29.23 cfs; 6/12, 28.86 cfs; 6/20, 28.5 cfs; 6/27, 28.06 cfs; 7/14, 27.78 cfs; 7/19, 27.42 cfs; 7/24, 27.06 cfs; 8/10, 25.66 cfs; 8/15, 24.28 cfs; 8/23, 22.93 cfs; 8/28, 21.61 cfs; 9/6, 21.94 cfs; 9/14, 21.28 cfs; 10/5, 20.32 cfs; 10/9, 20.96 cfs
2001	4/3, Off; 4/11, Off; 4/19, Off; 4/23, 11.36 cfs; 4/30, 17.22 cfs; 5/9, Off; 5/14, 23.94 cfs; 5/22, 24.62 cfs; 5/29, 27.06 cfs; 6/5, 27.78 cfs; 6/11, 28.5 cfs; 6/19, 26.01 cfs; 6/28, 25.31 cfs; 7/2, 24.38 cfs; 7/10, 23.94 cfs; 7/18, 24.28 cfs; 7/26, 20 cfs; 7/30, 20 cfs; 8/3, 4.95 cfs; 8/6, 4.86 cfs; 8/13, 4.86 cfs; 8/20, 5.05 cfs; 8/21, 5.63 cfs; 8/22, 5.83 cfs; 8/23, 21.28 cfs; 8/26, 13 cfs; 8/27, 12.62 cfs; 8/28, 6.45 cfs; 9/4, 9.26 cfs; 9/7, 17.67 cfs; 9/10, 17.52 cfs; 9/12, 21.61 cfs; 9/14, 25.31 cfs; 9/17, 25 cfs; 9/25, 24.62 cfs; 10/1, 25.31 cfs

Notes:

- 1 For days in which two measurements were taken, one of the measurements was assigned to the day immediately before or after the actual measurement day.
- 2 Data from SEO Hydrographers Reports for years when spot measurements taken.

Year	Measured Data
1983	
1984	8/12, 6 cfs; 8/19, 2 cfs; 8/28, 2 cfs; 8/31, 2 cfs; 9/6, 1 cfs
1985	8/19, 6 cfs; 9/13, 10.5 cfs
1986	7/12, 10 cfs; 8/15, Off
1995	5/2, 12.8 cfs; 5/8, 6.86 cfs; 5/15, 10.2 cfs; 5/22, 10 cfs; 6/1, 18.1 cfs; 6/8, 17.9 cfs; 6/15, 20.1 cfs; 6/20, 10.5 cfs; 6/26, 12.4 cfs; 7/5, 20.3 cfs; 7/13, 20.3 cfs; 7/17, 17.2 cfs; 7/24, 17 cfs; 7/31, 10.9 cfs; 8/7, 9.3 cfs; 8/16, 9.48 cfs; 8/24, 9.3 cfs; 8/29, 8.63 cfs; 9/6, 8.3 cfs; 9/11, 7.97 cfs; 9/22, 8.13 cfs; 9/25, 8.3 cfs; 10/3, Off; 10/10, Off
1996	4/10, Off; 5/3, 10.2 cfs; 5/8, 10.4 cfs; 5/13, 10.2 cfs; 5/20, 10.2 cfs; 5/29, 11.3 cfs; 6/5, 10.9 cfs; 6/12, 12.6 cfs; 6/24, 11.8 cfs; 7/1, 10.4 cfs; 7/10, 9.82 cfs; 7/15, 9.13 cfs; 7/24, 9.3 cfs; 7/29, 8.79 cfs; 8/5, 8.63 cfs; 8/13, 7.97 cfs; 8/19, 8.13 cfs; 8/28, 9.3 cfs; 8/30, 10.9 cfs; 9/3, 9.48 cfs; 9/6, 9.13 cfs; 9/11, 8.63 cfs; 9/16, 8.46 cfs; 9/23, 7.97 cfs; 10/1, 7.02 cfs; 10/8, Off; 10/14, Off; 10/21, Off
1997	4/12, 14 cfs; 4/21, 14 cfs; 4/28, 15 cfs; 5/5, 15 cfs; 5/15, 15 cfs; 5/20, 14 cfs; 6/6, 14 cfs; 6/13, 14 cfs; 6/16, 11 cfs; 6/24, 11 cfs; 6/30, 10 cfs; 7/11, 8 cfs; 7/14, 8 cfs; 7/25, 7 cfs; 7/30, 8 cfs; 8/6, 8 cfs; 8/13, 8 cfs; 8/15, 8 cfs; 8/22, 18 cfs; 8/25, 17 cfs; 9/1, 2 cfs; 9/8, 3 cfs; 9/17, 8 cfs; 9/23, 8 cfs
1998	4/28, 8.46 cfs; 5/5, 9.11 cfs; 5/11, 9.48 cfs; 5/22, 9.3 cfs; 5/28, 9.65 cfs; 6/1, 9.3 cfs; 6/9, 9.65 cfs; 6/15, 9.3 cfs; 6/25, 8.96 cfs; 7/2, 8.79 cfs; 7/8, 8.96 cfs; 7/13, 9.48 cfs; 7/22, 9.13 cfs; 7/27, 9.3 cfs; 8/7, 8.63 cfs; 8/14, 8.46 cfs; 8/17, 8.79 cfs; 8/24, 8.46 cfs; 9/3, 7.97 cfs; 9/9, 7.81 cfs; 9/14, 7.71 cfs; 9/25, 7.02 cfs; 9/29, 6.56 cfs
1999	4/15, 8.13 cfs; 4/20, 7.97 cfs; 4/22, 8.13 cfs; 4/27, 8.63 cfs; 5/4, 8.96 cfs; 5/14, 9.13 cfs; 5/17, 9.48 cfs; 5/28, 9.3 cfs; 6/1, 9.65 cfs; 6/7, 10 cfs; 6/14, 10.17 cfs; 6/24, 10 cfs; 7/6, 10 cfs; 7/15, 9.82 cfs; 7/21, 9.65 cfs; 7/26, 8.96 cfs; 8/6, 7.2 cfs; 8/10, 8.13 cfs; 8/17, 7.65 cfs; 8/23, 7.49 cfs; 9/3, 7.81 cfs; 9/8, 8.13 cfs; 9/13, 7.97 cfs
2000	4/11, Off; 4/17, Off; 4/24, Off; 5/3, 8.13 cfs; 5/9, 8.46 cfs; 5/17, 8.96 cfs; 5/22, 9.3 cfs; 6/1, 10 cfs; 6/7, 10.17 cfs; 6/12, 10.71 cfs; 6/20, 10.89 cfs; 6/27, 11.26 cfs; 7/14, 12.19 cfs; 7/19, 12.57 cfs; 7/24, 12.95 cfs; 8/10, 12.19 cfs; 8/16, 9.82 cfs; 8/23, 8.3 cfs; 8/28, 7.97 cfs; 9/6, 7.65 cfs; 9/14, 7.81 cfs; 10/5, 7.17 cfs; 10/9, 6.96 cfs
2001	4/3, Off; 4/11, Off; 4/19, Off; 4/23, Off; 4/30, 8.3 cfs; 5/9, 8.63 cfs; 5/14, 9.3 cfs; 5/22, 9.13 cfs; 5/29, 9.3 cfs; 6/5, 9.65 cfs; 6/11, 9.3 cfs; 6/19, 8.79 cfs; 6/28, 8.96 cfs; 7/2, 9.3 cfs; 7/10, 9.65 cfs; 7/18, 9.82 cfs; 7/26, 7.02 cfs; 7/30, 4.31 cfs; 8/3, 3.93 cfs; 8/6, 4.57 cfs; 8/13, 4.98 cfs; 8/20, 12.95 cfs; 8/21, 19.2 cfs; 8/22, 24.32 cfs; 8/23, 23.12 cfs; 8/26, 8.46 cfs; 8/27, 5.09 cfs; 8/28, 5.11 cfs; 9/4, 5.53 cfs; 9/7, 8.63 cfs; 9/10, 6.86 cfs; 9/11, 8.63 cfs; 9/12, 14.94 cfs; 9/13, 15.76 cfs; 9/14, 17.88 cfs; 9/17, 6.5 cfs; 9/24, 6.41 cfs; 9/25, 6.71 cfs; 10/1, 7.49 cfs

Notes:

- 1 For days in which two measurements were taken, one of the measurements was assigned to the day immediately before or after the actual measurement day.
- 2 Data from SEO Hydrographers Reports for years when spot measurements taken.

DESCRIPTION AND OPERATION MEMORANDUM

SHAFER DITCH

USGS ID 44107 C7

DIVERSION DESCRIPTION

One 4' square metal culvert controlled by flash boards and rock diversion dam.

DIVERSION LOCATION

Source: Nowood River

S 41° 45' E, 4160' from the NW corner Section 3 o.s. Township 49N, Range 91W, and is in Lot 12 of Section 3.

CONVEYANCE DESCRIPTION

Open dirt ditch 5 1/2 miles long delivering water to approximately 840 acres and 6 users. Ditch capacity ~ 20 c.f.s.

WYOMING WATER RIGHTS

Priority Date	Permit Number	Permit Use	Acres	Flow(cfs)	(af)	Cumulative Flow(cfs)	Comments
7/05/1895	1009	Irr.	139.00	1.96		1.96	
12/17/1900	604E	Irr.	488.00	6.95		8.91	
7/07/1958	5963E	Irr.,Stk.	131.00	1.87		10.78	
2/17/1959	6044E	Irr.,Stk.	78.00	2.96		13.74	

STORAGE RIGHTS

None

ESTIMATED CANAL LOSSES

Varies with time of year; estimated 25% at peak.

IRRIGATION PRACTICES

Conventional flood irrigation practices enhanced by use of irrigation pipe. Some sprinklers.

CROP TYPES / CONSUMPTIVE USE

Alfalfa hay, native hay, pasture, small grains, occasional row crops, lawns and gardens.

RETURN FLOWS

Moderate; 100% to Nowood River.

OTHER OPERATIONAL INFORMATION

CONTACT INFORMATION

Robert Redland
Manderson, WY
(307) 469-2324

PHOTO LOG

Information collected from files available at Division 3 Office of the State Engineer Office in Riverton, WY, and from the ditch contact person when available.

DIVERSION RECORD

Year	Measured Data
1983	
1984	8/12, 3 cfs; 8/24, Off; 9/6, Off; 9/26, 2 cfs
1985	8/6, 12 cfs
1986	7/12, 12 cfs; 9/12, 10 cfs
1995	5/2, Off; 5/8, Off; 5/15, 10.2 cfs; 5/22, Off; 6/1, 14.64 cfs; 6/8, 20.86 cfs; 6/15, 18.5 cfs; 6/20, 20.86 cfs; 6/26, 17.65 cfs; 7/5, 17.45 cfs; 7/13, 16.63 cfs; 7/17, 14.43 cfs; 7/24, 12.91 cfs; 7/31, 12.4 cfs; 8/7, 9.85 cfs; 8/16, 11.4 cfs; 8/24, 8.89 cfs; 8/29, 9.13 cfs; 9/6, 9.37 cfs; 9/11, 7.15 cfs; 9/22, 8.66 cfs; 9/25, 7.74 cfs; 10/3, 7.09 cfs; 10/10, Off
1996	4/10, Off; 5/3, Off; 5/8, 6.87 cfs; 5/13, 7.97 cfs; 5/20, 15.8 cfs; 5/29, 15.5 cfs; 6/4, 20.3 cfs; 6/12, 20.6 cfs; 6/24, 19.1 cfs; 7/1, 12.4 cfs; 7/10, 11.6 cfs; 7/15, 11.1 cfs; 7/24, 10.6 cfs; 7/29, 10.1 cfs; 8/5, 9.85 cfs; 8/13, 9.61 cfs; 8/19, 10.1 cfs; 8/28, 10.9 cfs; 8/30, 11.4 cfs; 9/6, 10.6 cfs; 9/11, 10.1 cfs; 9/16, 10.34 cfs; 9/23, 10.59 cfs; 10/1, 10.1 cfs; 10/8, 7.08 cfs; 10/14, Off; 10/21, Off
1997	4/5, Off; 4/21, Off; 4/28, Off; 5/5, Off; 5/15, 10 cfs; 5/20, 11 cfs; 6/6, 15 cfs; 6/13, 18 cfs; 6/24, 20 cfs; 6/30, 19 cfs; 7/11, 15 cfs; 7/14, 8 cfs; 7/25, 10 cfs; 7/30, 20 cfs; 8/6, 9 cfs; 8/15, 9 cfs; 8/21, 10 cfs; 8/25, 9 cfs; 9/1, 8 cfs; 9/8, 7 cfs; 9/17, 7 cfs; 9/23, 7 cfs
1998	5/4, 10.1 cfs; 5/11, 9.85 cfs; 5/22, 10.59 cfs; 5/28, 11.36 cfs; 6/1, 11.61 cfs; 6/9, 12.44 cfs; 6/15, 11.87 cfs; 6/25, 12.4 cfs; 7/2, 12.67 cfs; 7/8, 12.67 cfs; 7/13, 11.61 cfs; 7/22, 11.36 cfs; 7/27, 11.87 cfs; 8/7, 12.4 cfs; 8/14, 12.14 cfs; 8/17, 11.87 cfs; 8/24, 11.1 cfs; 9/3, 11.36 cfs; 9/9, 11.61 cfs; 9/14, 10.84 cfs; 9/25, 11.1 cfs; 9/29, 10.59 cfs
1999	4/27, 11.1 cfs; 5/4, 11.36 cfs; 5/14, 10.1 cfs; 5/17, Off; 5/28, Off; 6/1, 12.14 cfs; 6/14, 12.4 cfs; 6/24, 12.67 cfs; 7/6, 12.67 cfs; 7/15, 12.4 cfs; 7/21, 11.61 cfs; 7/26, 10.84 cfs; 8/6, 10.84 cfs; 8/10, 9.61 cfs; 8/23, 8.89 cfs; 9/3, 9.61 cfs; 9/8, 10.1 cfs; 9/13, 9.85 cfs
2000	4/11, 5.05 cfs; 4/17, 7.3 cfs; 4/24, 9.37 cfs; 5/3, 9.85 cfs; 5/9, 10.34 cfs; 5/17, 10.84 cfs; 5/22, 11.61 cfs; 6/1, 12.4 cfs; 6/7, 12.94 cfs; 6/12, 12.67 cfs; 6/20, 13.21 cfs; 6/27, 13.76 cfs; 7/14, 13.79 cfs; 7/19, 14.32 cfs; 7/24, 13.76 cfs; 8/10, 12.67 cfs; 8/16, 10.34 cfs; 8/23, 8.06 cfs; 9/1, 7.97 cfs; 9/6, 7.52 cfs; 9/14, 7.08 cfs; 10/5, Off
2001	4/3, Off; 4/11, Off; 4/19, 3.12 cfs; 4/23, 4.49 cfs; 4/30, 5.43 cfs; 5/9, 7.97 cfs; 5/14, 11.61 cfs; 5/22, 11.87 cfs; 5/29, 12.4 cfs; 6/5, 12.67 cfs; 6/11, 12.94 cfs; 6/19, 12.14 cfs; 6/28, 11.61 cfs; 7/2, 12.14 cfs; 7/10, 12.67 cfs; 7/18, 12.4 cfs; 7/26, Off; 7/30, Off; 8/3, 4.13 cfs; 8/6, 3.95 cfs; 8/13, 5.63 cfs; 8/20, 9.13 cfs; 8/21, 14.32 cfs; 8/22, 9.85 cfs; 8/23, 8.99 cfs; 8/26, Off; 8/27, 7.91 cfs; 8/28, 7.97 cfs; 9/4, 7.91 cfs; 9/7, 7.97 cfs; 9/10, 8.43 cfs; 9/11, 10.1 cfs; 9/12, 12.4 cfs; 9/13, 15.17 cfs; 9/14, 16.62 cfs; 9/17, 7.91 cfs; 9/25, 7.52 cfs; 10/1, Off

Notes:

- 1 For days in which two measurements were taken, one of the measurements was assigned to the day immediately before or after the actual measurement day.
- 2 Data from SEO Hydrographers Reports for years when spot measurements taken.

DESCRIPTION AND OPERATION MEMORANDUM

WESTERN DITCH

USGS ID 44107 B5,44107 A5 USGS NAME HYATTVILLE

DIVERSION DESCRIPTION

One 4' screwtype rectangular steel gate in concrete headwall.

DIVERSION LOCATION

Source: Nowood River
S 72° 05' W, 2927' from the NE corner of section 33, Township 48N, Range 89W.

CONVEYANCE DESCRIPTION

Open dirt ditch 2 1/2 miles long to first split. East branch adds another 0.5 miles on the East side of Nowood River and delivers to 70 acres. West branch crosses the Nowood River in a 120' flume then courses approximately 3 miles further West with 4 major laterals irrigating approximately 500 acres in two ownerships. Ditch capacity ~ 15 c.f.s.

WYOMING WATER RIGHTS

Priority Date	Permit Number	Permit Use	Acres	Flow(cfs)	(af)	Cumulative Flow(cfs)	Comments
8/02/1892	317	Irr.	557.00	7.94		7.94	
2/17/1959	5975E	Irr.,Dom.,Stk.	30.00	0.43		8.37	

STORAGE RIGHTS

None

ESTIMATED CANAL LOSSES

Varies with time of year; estimated 30% at peak.

IRRIGATION PRACTICES

Conventional flood irrigation practices enhanced by considerable use of irrigation pipe.

CROP TYPES / CONSUMPTIVE USE

Alfalfa hay, grass hay, pasture, occasional grain, lawn and garden.

RETURN FLOWS

All to Nowood River

OTHER OPERATIONAL INFORMATION

CONTACT INFORMATION

Art Boe
Tensleep, WY
(307)366-2593

PHOTO LOG

Information collected from files available at Division 3 Office of the State Engineer Office in Riverton, WY, and from the ditch contact person when available.

DIVERSION RECORD

Year	Measured Data
1983	
1984	8/31, Off; 9/16, 6 cfs
1985	8/21, 4 cfs
1986	
1995	5/3, Off; 5/9, Off; 5/15, Off; 5/24, Off; 5/31, Off; 6/7, Off; 6/13, 3.44 cfs; 6/21, 6.86 cfs; 6/28, 17.4 cfs; 7/6, 18.3 cfs; 7/13, 17.9 cfs; 7/19, 17.2 cfs; 7/26, 16.8 cfs; 8/2, 10 cfs; 8/7, 8.13 cfs; 8/16, 8.46 cfs; 8/24, 8.63 cfs; 8/30, 8.46 cfs; 9/6, 8.3 cfs; 9/11, 7.81 cfs; 9/20, 5.97 cfs; 9/25, 3.68 cfs; 10/4, 6.26 cfs; 10/10, Off
1996	4/11, Off; 5/2, Off; 5/8, Off; 5/13, Off; 5/20, 11.3 cfs; 5/28, 12 cfs; 6/4, 13.9 cfs; 6/12, 14.5 cfs; 6/17, 14.3 cfs; 6/24, 13.7 cfs; 7/2, 11.8 cfs; 7/9, 9.48 cfs; 7/15, 8.63 cfs; 7/23, 7.65 cfs; 7/29, 7.02 cfs; 8/6, 6.71 cfs; 8/13, 5.82 cfs; 8/19, 6.12 cfs; 8/27, 6.41 cfs; 9/4, 5.97 cfs; 9/11, 5.25 cfs; 9/18, 5.53 cfs; 9/23, 5.39 cfs; 10/2, 4.57 cfs; 10/8, 4.05 cfs; 10/14, Off; 10/21, Off
1997	4/21, Off; 4/28, Off; 5/5, Off; 5/15, Off; 5/20, 8 cfs; 6/6, 9 cfs; 6/10, 9 cfs; 6/16, 9 cfs; 6/24, 9 cfs; 6/30, 8 cfs; 7/1, 8 cfs; 7/14, 8 cfs; 7/25, 7 cfs; 7/30, 7 cfs; 8/7, 7 cfs; 8/15, 7 cfs; 8/18, 7 cfs; 8/25, 6 cfs; 9/3, 6 cfs; 9/8, 5 cfs; 9/17, 6 cfs; 9/24, 6 cfs
1998	5/14, Off; 5/18, Off; 5/29, 7.52 cfs; 6/1, 8.2 cfs; 6/10, 8.66 cfs; 6/15, 8.43 cfs; 6/23, 9.37 cfs; 7/2, 10.84 cfs; 7/8, 10.59 cfs; 7/13, 9.13 cfs; 7/22, 8.2 cfs; 7/27, 8.89 cfs; 8/7, 9.37 cfs; 8/14, 9.13 cfs; 8/19, 8.89 cfs; 8/24, 9.37 cfs; 9/3, 8.89 cfs; 9/9, 9.13 cfs; 9/14, 7.97 cfs; 9/25, 7.52 cfs; 9/29, 7.3 cfs
1999	
2000	4/11, Off; 4/20, 5.05 cfs; 4/28, 5.43 cfs; 5/3, 6.87 cfs; 5/9, 9.61 cfs; 5/17, 9.37 cfs; 5/22, 9.61 cfs; 5/30, 10.34 cfs; 6/5, 9.85 cfs; 6/12, 10.1 cfs; 6/20, 59 cfs; 6/26, 11.87 cfs; 7/14, 11.1 cfs; 7/19, 10.59 cfs; 7/24, 10.1 cfs; 8/10, 9.85 cfs; 8/16, 9.61 cfs; 8/23, 6.24 cfs; 9/1, 6.03 cfs; 9/6, 6.45 cfs; 9/14, 6.66 cfs; 10/6, Off
2001	4/3, Off; 4/11, Off; 4/19, Off; 4/23, Off; 4/30, Off; 5/9, Off; 5/14, 10.59 cfs; 5/22, 10.84 cfs; 5/29, 11.61 cfs; 6/5, 12.14 cfs; 6/11, 11.87 cfs; 6/19, 11.36 cfs; 6/28, 10.84 cfs; 7/4, Off; 7/10, 10.1 cfs; 7/18, 10.59 cfs; 7/26, Off; 7/30, Off; 8/3, 7.94 cfs; 8/6, 7.94 cfs; 8/13, 7.94 cfs; 8/20, 8.43 cfs; 8/22, 8 cfs; 8/23, 8 cfs; 8/27, 7.74 cfs; 8/28, 7.97 cfs; 9/4, 7.94 cfs; 9/10, Off; 9/18, Off; 9/26, Off; 10/1, Off

Notes:

- 1 For days in which two measurements were taken, one of the measurements was assigned to the day immediately before or after the actual measurement day.
- 2 Data from SEO Hydrographers Reports for years when spot measurements taken.