

Water-Data Report 2012

13334300 SNAKE RIVER NEAR ANATONE, WA

Lower Snake Basin
Lower Snake-Asotin Subbasin

LOCATION.--Lat 46°05'50", long 116°58'36" referenced to North American Datum of 1927, in SE ¼ NE ¼ sec.12, T.7 N., R.46 E., Asotin County, WA, Hydrologic Unit 17060103, on left bank 1.2 mi downstream from Grande Ronde River, 7.8 mi east of Anatone, 22 mi south of Clarkston, and at mile 167.2.

DRAINAGE AREA.--92,960 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--July 1958 to current year.

REVISED RECORDS.--WDR WA-76-1: 1974 and 1975.

GAGE.--Water-stage recorder. Datum of gage is 806.68 ft above NGVD of 1929. Prior to Aug. 3, 2010 previously reported as Datum of gage is 806.78 ft above NGVD.

REMARKS.--Records good. Diversions upstream from station for irrigation of about 4,090,000 acres, of which about 750,000 acres are irrigated by withdrawals from ground water. Flow regulated by many reservoirs upstream from station with a total usable capacity of more than 10,000,000 acre-ft, the most effective of which is Brownlee Reservoir, 117.8 mi upstream. Diurnal fluctuations caused by Hells Canyon powerplant. U.S. Geological Survey satellite telemeter at station.

AVERAGE DISCHARGE FOR PERIOD OF RECORD.--54 years (water years 1958-2012), 34,710 ft³/s, 25,150,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 195,000 ft³/s, June 18, 1974, gage height, 24.45 ft; minimum discharge, 6,010 ft³/s, Sept. 2, 1958, gage height, 1.29 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 122,000 ft³/s, April 27, gage height 17.29 ft; minimum discharge, 13,900 ft³/s, Aug. 20, gage height, 3.60 ft.

13334300 SNAKE RIVER NEAR ANATONE, WA—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	32,000	20,900	18,400	27,100	26,400	28,600	80,300	88,300	56,100	39,900	22,400	14,300
2	32,100	21,000	18,300	26,500	27,000	28,400	80,600	84,800	62,200	41,000	20,700	14,200
3	30,800	20,800	18,000	28,500	27,700	28,000	76,300	80,600	66,300	41,000	18,600	14,300
4	26,300	20,500	17,600	24,100	27,400	27,700	73,200	76,900	72,100	38,500	17,200	14,700
5	27,300	20,500	17,500	20,600	27,000	28,000	70,800	74,000	76,900	34,700	16,700	15,400
6	27,100	20,400	17,300	21,700	26,700	28,400	69,000	71,800	75,200	35,000	18,800	21,900
7	28,700	20,400	18,000	22,300	26,500	28,500	64,300	69,000	69,100	35,800	17,100	19,000
8	29,400	20,400	19,900	22,900	26,400	29,600	61,300	65,000	63,800	33,700	16,100	18,400
9	30,400	20,300	22,400	22,200	26,400	30,600	60,300	65,200	56,700	31,100	15,400	16,800
10	24,900	20,200	20,400	21,100	26,700	31,200	60,600	65,200	52,600	32,500	15,300	17,600
11	22,000	20,000	18,000	20,600	27,100	32,000	62,500	68,200	50,700	33,800	14,900	16,600
12	22,600	20,000	20,000	24,100	27,500	33,700	66,100	68,800	48,500	32,600	14,800	16,500
13	23,000	20,300	20,000	23,900	27,300	35,300	69,600	68,000	49,900	29,600	14,800	19,300
14	22,800	20,500	20,100	21,400	26,600	35,800	69,500	68,900	54,300	27,400	14,700	17,600
15	22,300	20,500	20,400	21,300	27,400	36,200	62,900	70,600	51,400	26,500	14,700	17,300
16	22,000	20,400	21,700	18,700	27,100	44,900	60,500	75,200	52,600	26,900	14,400	19,500
17	22,100	20,200	19,800	22,200	26,900	52,200	60,400	83,100	50,100	27,700	14,300	18,800
18	23,000	20,300	18,600	22,400	26,800	49,200	61,300	82,200	52,600	28,900	14,100	20,100
19	23,100	20,500	20,400	24,900	26,700	44,800	62,800	76,500	54,400	29,000	14,600	18,400
20	22,600	20,600	19,300	26,400	26,800	46,200	e62,000	72,700	55,200	28,900	14,100	16,300
21	22,200	20,500	19,500	27,900	26,800	50,300	61,800	73,700	51,900	25,600	15,500	17,200
22	21,700	20,100	20,200	29,400	30,900	50,700	66,900	75,800	52,700	24,700	14,400	16,200
23	21,400	20,200	22,200	29,500	38,100	52,200	75,700	84,900	53,800	21,800	14,400	16,600
24	21,300	19,700	21,400	29,400	35,000	52,400	86,300	80,300	53,800	23,600	14,800	16,100
25	21,300	18,900	19,000	27,400	32,800	52,000	103,000	73,700	54,600	22,800	14,500	16,200
26	21,200	18,800	19,700	27,400	31,400	53,200	105,000	65,000	51,700	24,100	14,100	16,100
27	21,200	18,500	20,800	29,400	30,200	58,700	118,000	55,800	52,100	24,700	14,100	16,400
28	21,000	18,100	25,000	29,400	29,400	57,500	115,000	51,400	48,700	23,600	15,200	16,300
29	21,000	18,000	26,900	27,600	28,800	57,200	99,600	54,000	44,900	21,700	16,100	17,600
30	20,800	18,300	28,600	26,700	---	58,800	87,900	55,900	42,600	22,600	14,300	15,400
31	20,900	---	27,100	27,000	---	65,800	---	54,600	---	23,500	14,100	---
Total	748,500	599,800	636,500	774,000	821,800	1,308,100	2,253,500	2,200,100	1,677,500	913,200	485,200	511,100
Mean	24,150	19,990	20,530	24,970	28,340	42,200	75,120	70,970	55,920	29,460	15,650	17,040
Max	32,100	21,000	28,600	29,500	38,100	65,800	118,000	88,300	76,900	41,000	22,400	21,900
Min	20,800	18,000	17,300	18,700	26,400	27,700	60,300	51,400	42,600	21,700	14,100	14,200
Ac-ft	1,485,000	1,190,000	1,262,000	1,535,000	1,630,000	2,595,000	4,470,000	4,364,000	3,327,000	1,811,000	962,400	1,014,000

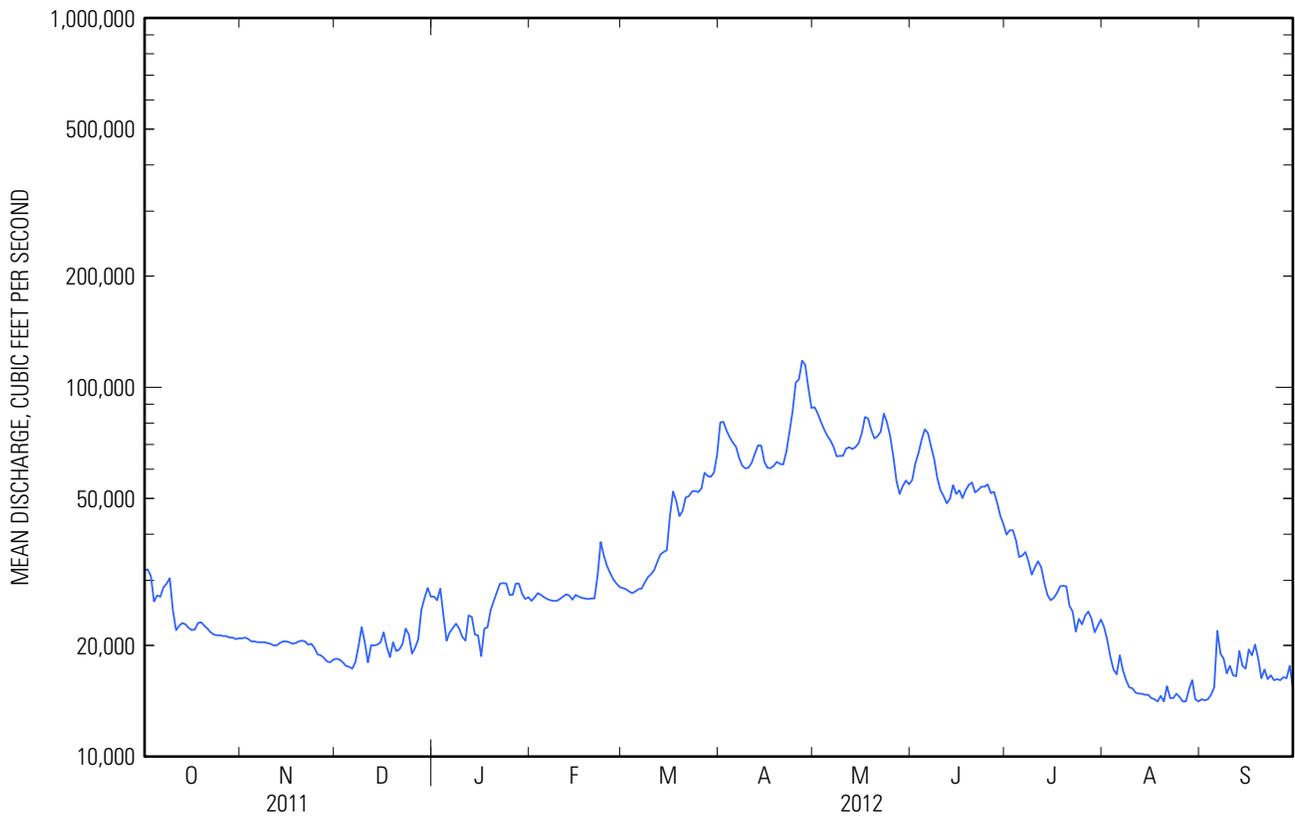
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 2012, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	20,460	20,850	23,580	28,270	31,610	38,130	48,600	66,970	70,820	30,610	17,910	19,110
Max	31,540	36,960	41,630	71,930	72,520	90,400	92,900	118,700	134,200	63,860	29,140	31,730
(WY)	(1985)	(1985)	(1965)	(1997)	(1965)	(1972)	(2006)	(1984)	(1984)	(1982)	(1997)	(1997)
Min	13,060	12,720	12,940	16,140	15,540	18,490	18,880	20,610	16,850	12,830	9,765	10,180
(WY)	(2004)	(2004)	(2003)	(2001)	(2005)	(2005)	(1977)	(1977)	(1992)	(1977)	(1992)	(1992)

13334300 SNAKE RIVER NEAR ANATONE, WA—Continued

SUMMARY STATISTICS

	Calendar Year 2011		Water Year 2012		Water Years 1958 - 2012	
Annual total	17,747,700		12,929,300			
Annual mean	48,620		35,330		34,710	
Highest annual mean					59,030	1997
Lowest annual mean					18,050	1992
Highest daily mean	145,000	Jun 9	118,000	Apr 27	191,000	Jun 18, 1974
Lowest daily mean	17,300	Dec 6	14,100	Aug 18	6,630	Sep 1, 1958
Annual seven-day minimum	17,900	Dec 1	14,400	Aug 14	7,150	Aug 28, 1958
Annual runoff (ac-ft)	35,200,000		25,650,000		25,150,000	
10 percent exceeds	115,000		69,000		72,500	
50 percent exceeds	32,500		26,800		25,000	
90 percent exceeds	20,200		16,400		14,800	



13334300 SNAKE RIVER NEAR ANATONE, WA—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--

WATER TEMPERATURE: Water years 1973 to May 1984, October 1985 to current year.

TOTAL DISSOLVED GAS: April 2009 to current year (seasonal records only). Seasonal records from April 2003 to September 2008, available in files of the U.S. Geological Survey Kennewick Field Office (U.S. Army Corps of Engineers Walla Walla has data for April 1999 to September 2002)

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: October 1959 to May 1984, April 1986 to current year.

TOTAL DISSOLVED GAS: April 2009 to current year (seasonal records only).

INSTRUMENTATION.--Temperature recorder since October 1959. Total dissolved gas monitor with a 1-hour logging interval since 1999.

REMARKS.--Temperature records excellent and total dissolved gas records excellent. Prior to Oct. 1990, temperature records furnished by U.S. Army Corps of Engineers. Prior to Oct. 2003, temperature records were rounded to nearest half degree.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 25.5°C (rounded), Aug. 26, 28, 1991, Aug. 2-4, 1994, Aug. 14, 1998; minimum, 0.0°C, several days during some winter months.

TOTAL DISSOLVED GAS: Maximum recorded, 111 percent saturation, June 8, 2010, June 25, 2011; minimum, 96 percent saturation Aug. 22, 23, 26, 27, 2010, but may have been higher or lower during periods of missing record.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 24.2°C, Aug. 7; minimum, 0.9°C, Jan. 20.

TOTAL DISSOLVED GAS: Maximum recorded, 108 percent saturation, April 8-10, 27-28, May 17-19, 23-24 and June 4; minimum, 99 percent saturation Aug. 9, 11, 20, 22-25, 27, 29, Sept. 1-3, 11, 12, but may have been higher or lower during periods of missing record.

13334300 SNAKE RIVER NEAR ANATONE, WA—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	19.9	19.4	19.6	11.7	10.8	11.3	6.4	6.0	6.2	3.8	3.5	3.6
2	19.8	19.4	19.6	10.8	10.1	10.4	6.0	5.5	5.8	3.5	3.3	3.4
3	19.6	19.1	19.4	10.1	9.7	9.8	5.5	5.2	5.4	3.8	3.3	3.5
4	19.1	18.5	18.9	10.0	9.7	9.8	5.4	5.1	5.2	3.8	3.2	3.5
5	18.5	18.0	18.4	10.0	9.4	9.7	5.2	4.9	5.1	3.8	3.2	3.5
6	18.0	17.0	17.6	9.7	9.2	9.4	5.2	4.8	5.0	3.5	3.3	3.4
7	17.2	16.8	17.0	9.2	8.9	9.1	5.2	4.9	5.0	3.8	3.3	3.6
8	17.3	16.6	16.9	9.3	8.8	9.0	5.3	4.7	5.2	3.7	3.3	3.5
9	16.9	16.5	16.7	9.2	8.8	9.0	5.2	4.7	4.9	3.6	3.2	3.4
10	16.5	15.6	16.2	9.0	8.6	8.8	4.8	4.2	4.6	3.7	3.4	3.5
11	15.7	15.3	15.5	8.8	8.4	8.6	4.2	3.8	4.0	3.4	2.8	3.1
12	15.3	14.8	15.1	8.8	8.4	8.6	4.0	3.8	3.9	3.0	2.6	2.8
13	14.9	14.6	14.8	8.9	8.4	8.7	4.0	3.7	3.9	2.8	2.6	2.7
14	15.1	14.5	14.7	8.8	8.5	8.7	4.2	3.9	4.0	2.7	2.3	2.5
15	15.2	14.8	15.0	---	---	---	4.2	4.0	4.1	2.4	1.8	2.3
16	15.1	14.9	15.0	8.1	7.6	7.7	4.4	4.0	4.3	1.9	1.6	1.8
17	15.0	14.5	14.7	7.9	7.6	7.8	4.2	3.7	4.0	1.7	1.4	1.6
18	14.7	14.2	14.4	8.0	7.7	7.9	3.9	3.6	3.7	1.6	1.2	1.4
19	14.4	13.9	14.1	7.9	7.5	7.7	4.1	3.7	3.9	2.0	1.4	1.8
20	14.4	13.9	14.2	7.5	7.0	7.3	4.0	3.7	3.9	2.2	0.9	1.6
21	14.5	14.1	14.2	7.1	6.9	7.0	4.1	3.5	3.9	3.2	2.2	2.8
22	14.4	14.0	14.2	7.5	7.0	7.2	3.5	3.3	3.4	3.1	2.8	3.0
23	14.1	13.9	14.0	7.8	7.4	7.6	3.7	3.4	3.6	2.9	2.5	2.7
24	14.0	13.4	13.8	8.0	7.7	7.9	3.7	3.4	3.5	2.5	2.3	2.4
25	13.4	12.5	13.0	7.8	6.9	7.5	3.6	3.3	3.5	3.2	2.4	2.8
26	12.5	12.0	12.2	6.9	6.4	6.6	3.6	3.2	3.4	3.6	3.0	3.3
27	12.5	11.9	12.1	6.4	6.2	6.2	3.7	3.6	3.6	3.3	2.5	3.0
28	11.9	11.7	11.8	6.8	6.3	6.5	4.2	3.6	4.0	2.5	2.2	2.3
29	12.2	11.6	11.9	6.7	6.4	6.6	4.3	3.8	4.1	2.8	2.2	2.5
30	12.1	11.5	11.8	6.7	6.4	6.6	4.5	4.2	4.4	3.5	2.8	3.1
31	12.0	11.7	11.8	---	---	---	4.2	3.6	3.9	3.4	2.9	3.1
Month	19.9	11.5	15.1	---	---	---	6.4	3.2	4.3	3.8	0.9	2.8

13334300 SNAKE RIVER NEAR ANATONE, WA—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	3.1	2.9	3.0	4.2	3.7	3.9	7.9	7.3	7.6	10.6	10.2	10.4
2	3.3	2.6	2.9	4.1	3.6	3.8	7.7	7.0	7.4	10.7	10.0	10.4
3	2.9	2.4	2.6	4.6	3.8	4.2	7.9	7.1	7.5	10.8	10.2	10.5
4	2.8	2.2	2.4	5.3	4.3	4.7	7.9	7.5	7.7	10.5	10.1	10.4
5	2.6	2.1	2.3	5.3	4.8	5.0	7.8	7.0	7.5	10.8	9.9	10.3
6	2.5	2.0	2.2	5.0	4.2	4.7	8.1	7.4	7.8	11.1	9.9	10.5
7	2.6	2.0	2.2	4.6	3.9	4.2	8.2	7.3	7.8	11.6	10.5	11.1
8	2.6	2.1	2.4	4.9	4.0	4.3	8.7	7.7	8.2	12.5	11.1	11.7
9	3.1	2.5	2.9	5.7	4.5	5.0	9.5	8.4	8.9	12.9	12.0	12.4
10	3.8	3.1	3.4	6.2	5.2	5.7	9.8	9.1	9.5	12.4	11.8	12.1
11	3.8	3.6	3.7	6.2	5.8	6.1	9.9	9.3	9.7	11.9	11.2	11.6
12	4.2	3.5	3.7	5.8	5.4	5.6	9.9	9.1	9.5	11.8	11.0	11.4
13	3.6	3.2	3.4	5.6	5.3	5.4	9.6	8.9	9.4	12.3	11.3	11.8
14	3.6	3.1	3.4	6.0	5.3	5.6	10.0	9.0	9.5	13.2	12.1	12.5
15	3.8	3.3	3.5	6.4	6.0	6.2	9.9	9.3	9.6	13.5	12.6	13.0
16	3.3	3.1	3.2	6.5	6.0	6.2	9.6	8.9	9.1	13.4	12.7	13.0
17	3.9	3.1	3.5	6.3	5.8	6.0	9.6	8.5	9.1	12.7	11.7	12.3
18	4.0	3.7	3.8	6.0	5.4	5.6	9.9	9.1	9.5	11.8	11.0	11.5
19	4.0	3.6	3.8	6.0	5.1	5.5	9.9	9.2	9.6	11.9	10.8	11.4
20	3.8	3.4	3.5	5.7	5.2	5.4	10.8	9.8	10.3	12.0	11.5	11.7
21	4.0	3.5	3.7	5.6	5.3	5.4	11.5	10.4	11.0	12.0	11.8	11.9
22	5.2	4.0	4.6	6.4	5.4	5.9	11.8	10.9	11.4	12.1	11.5	11.9
23	4.6	4.1	4.3	6.3	6.0	6.2	12.0	11.5	11.7	11.5	11.1	11.3
24	4.3	3.6	3.9	6.8	6.0	6.4	11.7	10.9	11.5	11.7	10.8	11.3
25	4.7	3.9	4.2	7.7	6.3	7.0	11.1	10.9	11.0	11.5	10.9	11.1
26	4.0	3.6	3.8	7.9	7.4	7.7	10.9	9.7	10.3	11.2	10.7	11.0
27	3.9	3.5	3.6	7.4	6.7	7.2	9.7	8.8	9.1	11.1	10.5	10.8
28	3.7	3.2	3.4	7.9	7.0	7.4	8.9	8.6	8.8	12.1	10.6	11.4
29	4.3	3.4	3.8	8.0	7.2	7.6	9.9	8.8	9.3	12.8	11.7	12.2
30	---	---	---	8.3	7.7	8.0	10.8	9.7	10.2	13.5	12.5	13.1
31	---	---	---	7.9	7.2	7.6	---	---	---	13.4	13.2	13.3
Month	5.2	2.0	3.3	8.3	3.6	5.8	12.0	7.0	9.3	13.5	9.9	11.6

13334300 SNAKE RIVER NEAR ANATONE, WA—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	14.7	13.3	14.0	18.6	17.9	18.2	23.1	22.0	22.5	21.6	20.9	21.2
2	14.7	14.3	14.5	19.1	17.6	18.3	23.0	22.2	22.5	21.3	20.5	20.8
3	14.3	12.8	13.5	19.0	18.2	18.6	23.0	22.0	22.5	21.2	20.2	20.7
4	13.9	12.8	13.3	18.7	17.5	18.1	23.2	21.9	22.5	21.4	20.3	20.8
5	13.8	12.4	13.2	19.3	17.6	18.4	23.4	22.4	22.9	21.4	20.5	20.9
6	12.5	11.6	12.0	20.0	18.4	19.2	24.0	22.8	23.3	21.8	20.9	21.2
7	12.2	11.3	11.6	20.6	19.2	19.9	24.2	23.0	23.6	21.8	20.7	21.2
8	11.8	11.2	11.5	21.2	19.6	20.3	23.7	23.1	23.4	21.8	20.7	21.2
9	12.1	11.5	11.9	20.7	20.0	20.3	23.6	22.6	23.0	21.9	20.9	21.3
10	12.9	11.8	12.3	21.5	19.9	20.7	23.4	22.5	22.8	21.3	20.2	20.9
11	13.8	12.2	13.0	22.2	20.7	21.4	23.5	22.3	22.8	20.5	19.6	20.0
12	14.1	13.2	13.6	22.5	21.1	21.8	23.6	22.6	23.0	19.9	19.1	19.5
13	15.2	13.5	14.3	22.6	21.4	22.0	23.9	22.7	23.2	20.1	19.3	19.6
14	15.6	14.5	14.9	22.0	20.9	21.5	23.8	22.9	23.3	20.1	19.3	19.7
15	15.6	14.4	15.0	21.5	20.4	21.0	23.8	22.9	23.3	20.1	19.4	19.7
16	15.7	14.8	15.2	21.4	20.2	20.9	23.9	22.8	23.3	20.5	19.6	20.0
17	16.4	15.2	15.7	21.8	20.5	21.1	23.8	22.7	23.2	20.2	19.3	19.7
18	15.6	14.7	15.3	22.4	20.8	21.6	23.7	22.7	23.1	20.3	19.5	19.8
19	14.7	13.9	14.2	22.7	21.5	22.1	23.8	22.8	23.2	20.3	19.4	19.9
20	15.1	13.8	14.4	22.8	22.0	22.4	23.9	23.0	23.3	20.0	19.1	19.5
21	16.0	14.9	15.4	22.9	21.4	22.1	23.4	22.8	23.0	20.0	19.2	19.5
22	16.8	15.8	16.4	23.1	21.6	22.4	23.1	22.1	22.6	19.5	19.0	19.3
23	17.5	16.6	16.9	22.7	21.4	22.1	22.6	21.7	22.1	19.4	18.8	19.1
24	17.7	16.7	17.1	22.4	20.9	21.7	22.1	21.3	21.6	19.1	18.5	18.8
25	17.9	17.1	17.4	22.7	21.2	22.0	21.9	21.0	21.4	19.7	18.9	19.3
26	17.4	16.3	17.0	22.9	21.8	22.4	21.7	21.0	21.3	19.6	18.8	19.1
27	16.9	15.6	16.3	23.1	22.2	22.6	22.0	21.1	21.5	19.4	18.6	19.0
28	17.7	16.6	17.1	23.0	22.0	22.5	22.3	21.4	21.8	18.9	18.4	18.7
29	18.1	17.3	17.7	22.9	21.8	22.4	22.4	21.2	21.7	19.4	18.5	18.9
30	18.4	17.3	17.9	23.0	21.9	22.5	21.9	20.8	21.3	19.4	18.6	19.0
31	---	---	---	23.1	21.9	22.5	21.8	20.9	21.3	---	---	---
Month	18.4	11.2	14.8	23.1	17.5	21.1	24.2	20.8	22.6	21.9	18.4	19.9

13334300 SNAKE RIVER NEAR ANATONE, WA—Continued

TOTAL PARTIAL PRESSURE OF DISSOLVED GASES, WATER, UNFILTERED, PERCENT OF SATURATION
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012

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

13334300 SNAKE RIVER NEAR ANATONE, WA—Continued

**TOTAL PARTIAL PRESSURE OF DISSOLVED GASES, WATER, UNFILTERED, PERCENT OF SATURATION
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	---	---	---	---	---	---	105	102	103	106	104	105
2	---	---	---	---	---	---	106	104	105	106	105	105
3	---	---	---	---	---	---	107	105	106	106	104	105
4	---	---	---	---	---	---	106	104	105	104	104	104
5	---	---	---	---	---	---	107	105	106	105	103	104
6	---	---	---	---	---	---	107	105	106	106	103	105
7	---	---	---	103	100	101	107	105	106	106	103	104
8	---	---	---	104	101	102	108	105	106	106	103	104
9	---	---	---	105	102	103	108	106	107	105	103	104
10	---	---	---	105	102	103	108	106	107	105	102	104
11	---	---	---	103	101	102	107	105	106	106	103	104
12	---	---	---	103	101	102	106	104	105	106	103	105
13	---	---	---	103	102	103	107	104	106	107	104	105
14	---	---	---	105	102	103	107	105	106	107	104	105
15	---	---	---	105	103	104	106	104	105	107	104	106
16	---	---	---	103	102	102	105	104	104	107	104	106
17	---	---	---	102	101	102	106	104	105	108	105	106
18	---	---	---	102	101	101	106	104	105	108	106	107
19	---	---	---	103	100	102	105	103	104	108	106	107
20	---	---	---	102	101	102	105	104	104	107	105	106
21	---	---	---	103	101	102	105	103	104	107	105	106
22	---	---	---	103	102	103	105	103	104	106	105	105
23	---	---	---	103	102	102	105	103	104	108	105	106
24	---	---	---	104	102	103	105	103	104	108	106	107
25	---	---	---	105	103	104	107	104	106	106	105	106
26	---	---	---	104	102	103	106	104	106	106	104	105
27	---	---	---	104	102	103	108	104	106	106	104	105
28	---	---	---	103	102	103	108	107	107	106	104	105
29	---	---	---	104	102	103	107	106	107	106	104	105
30	---	---	---	104	102	103	106	104	106	105	104	104
31	---	---	---	104	102	103	---	---	---	105	104	104
Month	---	---	---	---	---	---	108	102	105	108	102	105

13334300 SNAKE RIVER NEAR ANATONE, WA—Continued

**TOTAL PARTIAL PRESSURE OF DISSOLVED GASES, WATER, UNFILTERED, PERCENT OF SATURATION
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	107	104	105	104	102	103	104	100	102	103	99	101
2	106	104	105	105	102	103	104	100	102	103	99	101
3	105	104	105	104	102	103	104	100	102	104	99	101
4	108	105	106	105	101	103	105	100	102	104	100	101
5	105	105	105	104	101	103	105	100	102	104	100	102
6	107	105	106	105	101	103	104	100	102	103	100	101
7	106	105	106	105	102	103	105	100	102	104	100	101
8	106	104	105	105	101	103	103	100	101	104	100	102
9	105	104	105	104	101	102	104	99	101	104	101	102
10	106	104	105	105	101	103	104	100	102	103	100	101
11	106	104	105	105	101	103	105	99	102	103	99	100
12	106	104	105	105	102	103	105	100	102	103	99	101
13	106	103	104	105	101	103	105	100	102	104	100	101
14	106	103	104	103	101	102	105	100	102	104	100	102
15	106	103	104	104	101	102	104	100	102	103	100	101
16	106	103	105	105	101	102	104	100	102	103	100	101
17	106	104	105	105	101	102	105	100	102	104	100	101
18	105	103	104	105	101	102	105	100	102	104	100	102
19	105	103	104	104	101	102	104	100	102	---	---	---
20	106	103	104	103	101	102	104	99	101	---	---	---
21	107	104	105	104	101	102	103	100	101	---	---	---
22	106	104	105	105	101	102	103	99	101	---	---	---
23	105	103	104	103	100	101	103	99	101	---	---	---
24	105	103	104	104	100	102	103	99	100	---	---	---
25	106	103	104	105	101	102	104	99	101	---	---	---
26	104	102	103	104	101	102	103	100	101	---	---	---
27	106	102	104	104	101	102	103	99	101	---	---	---
28	106	103	104	104	100	102	104	100	101	---	---	---
29	105	102	103	104	100	102	103	99	101	---	---	---
30	105	102	103	104	100	102	105	100	102	---	---	---
31	---	---	---	104	100	102	105	100	102	---	---	---
Month	108	102	105	105	100	102	105	99	102	---	---	---