

444728122450000 NORTH SANTIAM RIVER AT GEREN ISLAND, NEAR STAYTON, OR

Willamette Basin
North Santiam Subbasin

LOCATION.--Lat 44°47'28", long 122°45'00" referenced to North American Datum of 1927, Marion County, OR, Hydrologic Unit 17090005, on Geren Island, which is located approximately 5 mi east of Stayton and at mile 30.5.

DRAINAGE AREA.--688 mi².

WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: March 2001 to December 2009, March 2011 to current year (seasonal records only).

pH: March 2001 to December 2009, March 2011 to current year (seasonal records only).

WATER TEMPERATURE: March 2001 to September 2010, October 2010 to current year (seasonal records only).

DISSOLVED OXYGEN: May 2003 to September 2004, February 2010 to September 2010, October 2010 to current year (seasonal records only).

TURBIDITY: March 2001 to February 2010, April 2011 to current year (seasonal records only).

CHLOROPHYLL: March 2011 to September 2011 (seasonal records only).

INSTRUMENTATION.--Water-quality monitor. Any use of trade, product, or firm names in this publication is for descriptive purposes only and does not imply endorsement by the U.S. Government.

REMARKS.--Records for period March to September 2001, available in files of the Portland Field Office.

SPECIFIC CONDUCTANCE: Records excellent.

pH: Records excellent except those for May 27 to June 4 and June 19 to July 3, which are good.

WATER TEMPERATURE: Records excellent.

DISSOLVED OXYGEN: Records excellent except those for Oct. 1-3, which are good.

TURBIDITY: Records excellent. Data collected using a YSI 6026 turbidity sensor. Manufacturer's stated accuracy is the greater of +/- 5 percent or 2 Formazin Nephelometric Units. FNU values below 10 are reported to nearest 0.1 FNU. Negative recorded values are reported as 0.0 FNU.

EXTREMES FOR PERIOD OF RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 51 microsiemens Sept. 21, 2001; minimum, 10 microsiemens Jan. 18, 2005.

pH: Maximum, 9.3 units Sept. 1, 3, 2004, Sept. 27, 29, 2007; minimum, 6.6 units Nov. 7, 2006, Feb. 16, 2007.

WATER TEMPERATURE: Maximum, 24.3°C July 28, 2009; minimum, 1.0°C Feb. 18, 2006.

DISSOLVED OXYGEN: Maximum recorded, 15.8 mg/L Mar. 6, 2004, but may have been higher during period of missing record; minimum recorded, 4.5 mg/L Sept. 22, 2004, but may have been lower during period of missing record.

TURBIDITY: Maximum, 587 FNU Dec. 15, 2006; minimum, <1 FNU on many days each year.

CHLOROPHYLL: Maximum, 39.6 ug/L June 9, 2011; minimum, 0.0 ug/L on many days in 2011.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 40 microsiemens Aug. 30, 31, Sept. 1-4, 6, 7; minimum, 25 microsiemens Apr. 6.

pH: Maximum, 8.8 units Aug. 11, 13; minimum, 6.9 units May 28, 30, June 29 to July 3.

WATER TEMPERATURE: Maximum, 19.7°C July 2; minimum, 5.5°C May 1.

DISSOLVED OXYGEN: Maximum, 13.0 mg/L Apr. 17; minimum, 8.5 mg/L July 2, 26, 27.

TURBIDITY: Maximum, 92 FNU May 28; minimum, 0.0 FNU on several days during August and September.

444728122450000 NORTH SANTIAM RIVER AT GEREN ISLAND, NEAR STAYTON, OR—Continued

**SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	36	35	35	---	---	---	---	---	---	---	---	---
2	36	35	36	---	---	---	---	---	---	---	---	---
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	---	---	---	---	---	---	---	---	---	---	---	---

444728122450000 NORTH SANTIAM RIVER AT GEREN ISLAND, NEAR STAYTON, OR—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	---	---	---	---	---	---	32	31	31	36	34	34
2	---	---	---	---	---	---	32	31	32	37	34	35
3	---	---	---	---	---	---	33	32	32	37	34	35
4	---	---	---	---	---	---	34	32	33	36	33	34
5	---	---	---	---	---	---	32	27	29	34	33	33
6	---	---	---	---	---	---	27	25	26	36	33	33
7	---	---	---	---	---	---	27	26	27	35	33	34
8	---	---	---	---	---	---	28	27	28	35	34	34
9	---	---	---	---	---	---	31	28	29	35	34	34
10	---	---	---	---	---	---	31	30	31	35	34	35
11	---	---	---	---	---	---	30	29	29	36	34	35
12	---	---	---	---	---	---	31	30	30	36	34	35
13	---	---	---	---	---	---	32	31	31	36	35	35
14	---	---	---	---	---	---	32	31	31	36	35	35
15	---	---	---	---	---	---	33	32	32	36	35	36
16	---	---	---	---	---	---	33	32	33	36	36	36
17	---	---	---	---	---	---	33	33	33	36	35	35
18	---	---	---	---	---	---	34	33	34	35	35	35
19	---	---	---	---	---	---	35	32	34	35	35	35
20	---	---	---	---	---	---	32	28	29	36	35	35
21	---	---	---	---	---	---	30	28	29	36	34	35
22	---	---	---	---	---	---	31	30	31	35	34	35
23	---	---	---	---	---	---	34	31	31	35	33	34
24	---	---	---	---	---	---	33	31	32	34	31	32
25	---	---	---	---	---	---	34	33	33	32	31	31
26	---	---	---	---	---	---	34	32	33	32	31	32
27	---	---	---	---	---	---	33	32	33	32	27	30
28	---	---	---	---	---	---	35	32	33	29	27	27
29	---	---	---	35	34	34	36	33	34	30	27	29
30	---	---	---	34	33	33	36	32	33	31	27	29
31	---	---	---	33	32	32	---	---	---	32	31	31
Month	---	---	---	---	---	---	36	25	31	37	27	33

444728122450000 NORTH SANTIAM RIVER AT GEREN ISLAND, NEAR STAYTON, OR—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	33	32	32	39	37	37	38	38	38	40	39	40
2	33	33	33	38	37	37	39	38	38	40	39	39
3	34	33	33	38	37	37	38	38	38	40	39	39
4	36	33	34	38	37	37	38	38	38	40	38	39
5	37	34	35	38	37	38	39	38	38	39	35	38
6	36	35	35	38	37	38	39	38	38	40	37	39
7	36	35	36	38	38	38	38	38	38	40	39	39
8	37	35	36	39	38	38	38	38	38	39	38	39
9	37	36	36	39	38	38	38	38	38	39	38	39
10	37	36	36	39	38	38	39	38	38	39	38	38
11	37	36	37	39	38	38	38	38	38	38	37	37
12	37	36	37	39	38	38	38	38	38	37	37	37
13	37	36	36	39	38	38	38	38	38	38	37	37
14	37	36	37	39	38	38	39	38	38	37	37	37
15	38	36	37	39	38	38	38	38	38	38	37	37
16	38	36	37	39	38	38	38	38	38	38	37	37
17	38	37	37	39	38	39	38	38	38	38	37	37
18	38	36	37	39	39	39	39	38	38	38	37	38
19	37	36	37	39	39	39	39	38	38	38	37	38
20	38	37	37	39	39	39	38	37	37	38	37	38
21	38	36	37	39	38	39	38	37	38	38	37	38
22	38	37	37	38	38	38	38	37	38	38	37	38
23	38	36	37	38	38	38	39	38	38	39	38	38
24	38	37	37	38	38	38	39	38	38	38	37	37
25	37	35	36	38	38	38	38	38	38	37	36	36
26	36	34	35	38	38	38	39	38	38	38	36	37
27	36	34	35	38	38	38	39	38	38	38	37	38
28	37	35	36	38	38	38	39	38	39	38	32	35
29	38	36	37	39	38	38	39	39	39	34	28	30
30	39	37	37	39	38	38	40	39	39	30	27	28
31	---	---	---	38	38	38	40	39	40	---	---	---
Month	39	32	36	39	37	38	40	37	38	40	27	37

444728122450000 NORTH SANTIAM RIVER AT GEREN ISLAND, NEAR STAYTON, OR—Continued

pH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	October			November			December			January		
1	8.2	7.2	7.4	---	---	---	---	---	---	---	---	---
2	8.2	7.2	7.4	---	---	---	---	---	---	---	---	---
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	---	---	---	---	---	---	---	---	---	---	---	---
Max	---	---	---	---	---	---	---	---	---	---	---	---
Min	---	---	---	---	---	---	---	---	---	---	---	---

444728122450000 NORTH SANTIAM RIVER AT GEREN ISLAND, NEAR STAYTON, OR—Continued

pH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	February			March			April			May		
1	---	---	---	---	---	---	7.9	7.3	7.4	8.5	7.1	7.4
2	---	---	---	---	---	---	8.0	7.3	7.5	8.6	7.1	7.4
3	---	---	---	---	---	---	8.0	7.3	7.5	8.6	7.1	7.4
4	---	---	---	---	---	---	7.9	7.3	7.5	8.6	7.1	7.4
5	---	---	---	---	---	---	7.7	7.3	7.4	8.7	7.0	7.3
6	---	---	---	---	---	---	7.6	7.2	7.3	8.6	7.0	7.3
7	---	---	---	---	---	---	7.4	7.2	7.3	8.2	7.0	7.3
8	---	---	---	---	---	---	7.6	7.1	7.3	8.1	7.2	7.4
9	---	---	---	---	---	---	7.9	7.2	7.3	8.2	7.2	7.4
10	---	---	---	---	---	---	8.0	7.2	7.3	8.2	7.2	7.4
11	---	---	---	---	---	---	7.9	7.2	7.3	8.2	7.2	7.5
12	---	---	---	---	---	---	7.9	7.2	7.3	8.1	7.2	7.4
13	---	---	---	---	---	---	8.2	7.2	7.4	8.0	7.2	7.4
14	---	---	---	---	---	---	8.2	7.2	7.4	8.0	7.1	7.4
15	---	---	---	---	---	---	8.4	7.2	7.4	7.9	7.2	7.3
16	---	---	---	---	---	---	8.5	7.2	7.4	7.8	7.2	7.4
17	---	---	---	---	---	---	8.5	7.2	7.4	7.9	7.2	7.4
18	---	---	---	---	---	---	8.6	7.2	7.5	7.7	7.1	7.3
19	---	---	---	---	---	---	8.1	7.2	7.3	8.1	7.2	7.3
20	---	---	---	---	---	---	8.4	7.2	7.3	8.1	7.1	7.4
21	---	---	---	---	---	---	8.3	7.0	7.2	7.6	7.2	7.3
22	---	---	---	---	---	---	8.6	7.1	7.4	7.6	7.2	7.3
23	---	---	---	---	---	---	8.7	7.1	7.4	7.8	7.2	7.3
24	---	---	---	---	---	---	8.6	7.1	7.4	7.6	7.2	7.3
25	---	---	---	---	---	---	8.7	7.1	7.4	8.2	7.1	7.3
26	---	---	---	---	---	---	8.7	7.1	7.4	7.9	7.0	7.2
27	---	---	---	---	---	---	8.6	7.1	7.4	7.8	7.0	7.1
28	---	---	---	---	---	---	8.5	7.1	7.4	7.6	6.9	7.1
29	---	---	---	8.0	7.3	7.5	8.4	7.1	7.3	7.6	7.0	7.1
30	---	---	---	7.9	7.3	7.5	8.5	7.1	7.4	7.5	6.9	7.1
31	---	---	---	7.9	7.3	7.5	---	---	---	7.9	7.0	7.2
Max	---	---	---	---	---	---	8.7	7.3	7.5	8.7	7.2	7.5
Min	---	---	---	---	---	---	7.4	7.0	7.2	7.5	6.9	7.1

444728122450000 NORTH SANTIAM RIVER AT GEREN ISLAND, NEAR STAYTON, OR—Continued

pH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	June			July			August			September		
1	8.1	7.0	7.3	8.1	6.9	7.2	8.0	7.3	7.5	8.3	7.3	7.5
2	8.2	7.0	7.3	8.1	6.9	7.2	8.4	7.3	7.6	8.4	7.3	7.5
3	8.3	7.0	7.3	8.0	6.9	7.3	8.4	7.3	7.5	8.4	7.3	7.6
4	8.3	7.0	7.3	8.0	7.2	7.5	8.5	7.2	7.5	8.0	7.3	7.5
5	8.4	7.0	7.3	8.0	7.3	7.5	8.6	7.2	7.5	7.9	7.3	7.4
6	8.4	7.1	7.5	8.0	7.2	7.5	8.6	7.2	7.5	8.0	7.4	7.4
7	8.6	7.2	7.5	8.0	7.2	7.5	8.7	7.2	7.5	8.3	7.3	7.6
8	8.4	7.2	7.4	8.0	7.3	7.5	8.6	7.3	7.5	8.4	7.3	7.5
9	8.3	7.1	7.4	8.0	7.2	7.5	8.7	7.2	7.4	8.5	7.3	7.5
10	8.7	7.1	7.4	8.1	7.2	7.5	8.4	7.2	7.5	8.4	7.3	7.5
11	8.1	7.1	7.3	8.1	7.3	7.6	8.8	7.2	7.5	8.3	7.3	7.5
12	8.2	7.1	7.4	8.1	7.3	7.5	8.4	7.2	7.4	8.3	7.3	7.5
13	8.2	7.1	7.3	8.1	7.2	7.4	8.8	7.2	7.4	8.3	7.2	7.5
14	8.7	7.1	7.4	8.1	7.2	7.4	8.3	7.1	7.5	8.3	7.3	7.5
15	8.4	7.1	7.5	8.0	7.2	7.4	8.3	7.3	7.6	8.1	7.3	7.5
16	8.4	7.1	7.3	7.9	7.1	7.4	8.3	7.3	7.5	8.4	7.3	7.5
17	8.3	7.1	7.4	8.0	7.2	7.4	8.2	7.3	7.5	8.3	7.3	7.5
18	8.2	7.1	7.4	8.0	7.2	7.4	8.2	7.3	7.5	8.2	7.3	7.5
19	7.9	7.0	7.3	7.9	7.2	7.4	8.2	7.3	7.5	8.2	7.3	7.5
20	8.1	7.1	7.4	8.0	7.2	7.5	8.2	7.3	7.5	8.3	7.3	7.5
21	8.1	7.1	7.3	8.0	7.2	7.4	8.2	7.3	7.5	8.3	7.3	7.5
22	8.2	7.1	7.4	8.0	7.2	7.5	8.3	7.3	7.4	7.9	7.3	7.5
23	8.0	7.1	7.3	8.0	7.2	7.5	8.4	7.3	7.6	8.1	7.3	7.5
24	7.9	7.1	7.3	8.2	7.2	7.5	8.5	7.4	7.6	8.2	7.3	7.5
25	7.9	7.1	7.2	8.2	7.2	7.5	8.2	7.3	7.6	8.2	7.3	7.4
26	7.8	7.1	7.2	8.2	7.2	7.5	8.4	7.4	7.6	8.3	7.3	7.5
27	8.2	7.0	7.3	8.3	7.2	7.5	8.5	7.3	7.6	8.1	7.3	7.4
28	8.0	7.0	7.2	8.4	7.2	7.5	8.4	7.3	7.5	7.5	7.3	7.4
29	8.2	6.9	7.2	8.3	7.2	7.5	8.2	7.3	7.5	7.4	7.2	7.2
30	8.1	6.9	7.2	8.3	7.2	7.5	8.3	7.3	7.5	7.4	7.1	7.2
31	---	---	---	8.3	7.3	7.5	8.3	7.3	7.5	---	---	---
Max	8.7	7.2	7.5	8.4	7.3	7.6	8.8	7.4	7.6	8.5	7.4	7.6
Min	7.8	6.9	7.2	7.9	6.9	7.2	8.0	7.1	7.4	7.4	7.1	7.2

444728122450000 NORTH SANTIAM RIVER AT GEREN ISLAND, NEAR STAYTON, OR—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	11.6	8.5	9.9	---	---	---	---	---	---	---	---	---
2	11.4	8.9	10.0	---	---	---	---	---	---	---	---	---
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	---	---	---	---	---	---	---	---	---	---	---	---

444728122450000 NORTH SANTIAM RIVER AT GEREN ISLAND, NEAR STAYTON, OR—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	---	---	---	---	---	---	9.6	7.9	8.5	10.6	5.5	7.8
2	---	---	---	---	---	---	10.4	7.5	8.7	11.4	6.6	8.9
3	---	---	---	---	---	---	9.3	6.7	8.1	11.6	7.0	9.2
4	---	---	---	---	---	---	8.8	7.6	8.2	12.1	7.3	9.6
5	---	---	---	---	---	---	8.4	7.4	7.9	12.5	7.9	10.0
6	---	---	---	---	---	---	7.7	6.7	7.2	12.8	7.7	10.2
7	---	---	---	---	---	---	7.2	6.1	6.7	12.7	9.3	10.9
8	---	---	---	---	---	---	7.4	5.7	6.4	11.6	9.2	10.2
9	---	---	---	---	---	---	8.1	6.0	7.0	12.7	9.0	10.7
10	---	---	---	---	---	---	8.6	6.8	7.6	13.2	9.3	11.1
11	---	---	---	---	---	---	8.8	6.8	7.7	13.2	8.9	10.9
12	---	---	---	---	---	---	7.8	6.1	7.2	11.6	8.6	10.0
13	---	---	---	---	---	---	8.5	6.6	7.5	10.8	8.5	9.5
14	---	---	---	---	---	---	7.8	6.4	7.0	12.3	7.8	9.9
15	---	---	---	---	---	---	8.6	6.1	7.2	10.1	8.1	8.8
16	---	---	---	---	---	---	9.2	6.3	7.7	9.1	7.5	8.3
17	---	---	---	---	---	---	9.6	6.0	7.9	9.9	7.6	8.7
18	---	---	---	---	---	---	10.2	6.9	8.5	9.8	8.7	9.1
19	---	---	---	---	---	---	9.2	7.6	8.2	11.5	8.9	10.1
20	---	---	---	---	---	---	9.1	7.1	8.0	13.1	8.5	10.8
21	---	---	---	---	---	---	8.2	6.9	7.6	11.8	8.9	9.7
22	---	---	---	---	---	---	10.5	6.6	8.4	8.9	8.0	8.4
23	---	---	---	---	---	---	10.2	6.2	8.3	8.8	7.3	8.0
24	---	---	---	---	---	---	11.3	6.6	9.0	8.9	7.4	8.0
25	---	---	---	---	---	---	10.7	6.9	8.9	11.1	7.5	9.2
26	---	---	---	---	---	---	11.5	7.1	9.2	10.7	9.0	9.8
27	---	---	---	---	---	---	11.2	7.3	9.2	11.3	9.9	10.4
28	---	---	---	---	---	---	10.6	7.7	9.0	11.9	9.7	10.7
29	---	---	---	10.2	7.2	8.5	10.0	7.7	8.7	10.9	8.8	9.4
30	---	---	---	10.6	6.7	8.6	8.7	6.2	7.4	9.7	8.0	8.9
31	---	---	---	10.5	7.1	8.9	---	---	---	12.1	8.9	10.3
Month	---	---	---	---	---	---	11.5	5.7	8.0	13.2	5.5	9.6

444728122450000 NORTH SANTIAM RIVER AT GEREN ISLAND, NEAR STAYTON, OR—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	13.1	9.2	11.0	19.3	15.0	17.3	17.0	14.8	15.7	18.0	14.5	16.5
2	12.9	9.6	11.1	19.7	15.2	17.5	15.9	14.6	15.2	17.1	14.7	16.0
3	13.4	8.6	11.0	19.1	15.1	17.3	18.5	13.2	15.8	16.5	14.4	15.6
4	14.0	8.5	11.2	18.4	14.4	16.5	19.1	14.4	16.9	15.6	13.2	13.8
5	15.1	10.3	12.7	17.9	14.2	16.1	19.5	14.8	17.3	13.5	12.6	12.9
6	15.7	10.7	13.2	18.2	13.9	16.2	19.5	15.0	17.4	13.6	12.8	13.2
7	15.2	11.0	13.3	18.6	14.0	16.5	18.0	14.9	16.7	15.8	12.4	14.1
8	15.7	11.3	13.5	18.9	14.3	16.7	18.8	14.7	16.7	16.1	12.6	14.5
9	16.0	11.3	13.7	19.3	14.5	17.1	18.4	15.6	17.0	16.2	12.5	14.4
10	15.4	10.9	13.2	19.1	15.1	17.3	18.1	14.6	16.4	16.2	12.6	14.4
11	13.5	11.1	12.1	18.5	14.8	16.8	18.3	14.6	16.2	14.7	11.0	12.9
12	12.5	10.6	11.6	18.1	14.3	16.4	16.9	14.9	15.9	14.1	10.3	12.1
13	12.8	11.3	11.9	18.1	14.0	16.2	18.8	14.5	16.6	14.1	10.1	11.9
14	16.3	11.3	13.5	18.8	14.4	16.7	---	---	---	13.9	10.6	12.0
15	16.7	12.0	14.5	18.8	14.4	16.8	17.1	15.0	16.2	12.1	10.7	11.2
16	16.5	12.6	14.5	18.2	15.1	16.7	18.0	15.1	16.5	12.6	10.5	11.3
17	16.8	12.7	14.8	18.5	15.3	16.9	18.8	14.7	16.8	11.9	10.0	10.9
18	15.5	13.0	14.3	19.6	15.1	17.4	18.9	14.8	16.9	12.7	10.3	11.3
19	14.5	12.2	13.1	19.6	14.8	17.4	18.8	14.7	16.9	12.9	9.5	11.2
20	15.0	12.0	13.3	19.5	15.2	17.5	18.3	14.4	16.6	12.5	9.9	11.1
21	16.2	12.3	14.0	19.3	14.6	17.2	17.7	13.9	16.1	11.8	10.5	11.1
22	17.1	11.9	14.5	19.4	14.8	17.4	16.6	14.7	15.8	11.0	10.5	10.7
23	15.8	13.3	14.3	19.6	14.7	17.4	16.5	14.7	15.5	11.6	10.3	11.0
24	13.9	12.8	13.4	19.6	15.0	17.6	17.2	14.3	15.6	11.8	10.5	11.1
25	14.0	12.6	13.2	19.6	15.2	17.6	15.5	14.2	14.8	11.7	10.4	10.9
26	13.5	12.4	12.8	19.6	15.2	17.6	17.1	14.1	15.5	12.2	10.4	11.1
27	16.3	12.4	14.1	19.0	15.0	17.3	17.7	13.9	15.9	11.0	10.1	10.6
28	18.6	13.1	15.7	18.6	14.6	16.8	17.7	14.8	16.4	11.6	10.8	11.1
29	18.5	13.9	16.3	18.5	14.6	16.8	16.3	14.8	15.6	11.2	10.6	10.8
30	19.3	14.3	16.8	18.7	14.6	16.9	17.9	14.7	16.1	10.8	10.2	10.5
31	---	---	---	17.7	15.1	16.5	18.5	14.5	16.6	---	---	---
Month	19.3	8.5	13.4	19.7	13.9	17.0	---	---	---	18.0	9.5	12.3

444728122450000 NORTH SANTIAM RIVER AT GEREN ISLAND, NEAR STAYTON, OR—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	11.1	10.0	10.5	---	---	---	---	---	---	---	---	---
2	10.9	10.0	10.4	---	---	---	---	---	---	---	---	---
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	---	---	---	---	---	---	---	---	---	---	---	---

444728122450000 NORTH SANTIAM RIVER AT GEREN ISLAND, NEAR STAYTON, OR—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	---	---	---	---	---	---	12.3	11.0	11.7	12.9	11.2	12.1
2	---	---	---	---	---	---	12.4	11.2	11.8	12.6	11.0	11.8
3	---	---	---	---	---	---	12.6	11.3	11.9	12.4	10.8	11.6
4	---	---	---	---	---	---	12.1	11.3	11.7	12.2	10.6	11.4
5	---	---	---	---	---	---	12.2	11.3	11.7	12.0	10.5	11.2
6	---	---	---	---	---	---	12.4	11.7	12.0	12.0	10.3	11.2
7	---	---	---	---	---	---	12.3	11.8	12.0	11.6	10.4	11.0
8	---	---	---	---	---	---	12.7	11.9	12.3	11.8	10.5	11.2
9	---	---	---	---	---	---	12.8	11.6	12.3	11.8	10.4	11.1
10	---	---	---	---	---	---	12.5	11.6	12.0	11.6	10.4	11.0
11	---	---	---	---	---	---	12.6	11.5	12.1	11.6	10.4	11.1
12	---	---	---	---	---	---	12.7	11.5	12.1	11.7	10.5	11.2
13	---	---	---	---	---	---	12.7	11.5	12.1	11.6	10.8	11.3
14	---	---	---	---	---	---	12.7	11.7	12.2	11.8	10.6	11.3
15	---	---	---	---	---	---	12.8	11.6	12.2	11.9	10.7	11.4
16	---	---	---	---	---	---	12.8	11.4	12.1	12.0	11.2	11.6
17	---	---	---	---	---	---	13.0	11.4	12.1	12.0	10.8	11.5
18	---	---	---	---	---	---	12.8	11.2	12.0	11.8	10.7	11.4
19	---	---	---	---	---	---	12.4	11.2	11.8	11.9	10.4	11.2
20	---	---	---	---	---	---	12.6	11.4	12.0	11.8	10.2	11.0
21	---	---	---	---	---	---	12.7	11.4	12.0	11.5	10.2	11.0
22	---	---	---	---	---	---	12.8	11.0	11.9	11.8	10.9	11.4
23	---	---	---	---	---	---	12.9	11.0	11.9	12.1	11.2	11.6
24	---	---	---	---	---	---	12.7	10.7	11.7	12.0	11.2	11.6
25	---	---	---	---	---	---	12.6	10.7	11.7	12.1	10.5	11.5
26	---	---	---	---	---	---	12.6	10.9	11.7	11.9	10.5	11.2
27	---	---	---	---	---	---	12.5	11.0	11.7	11.4	10.6	10.9
28	---	---	---	---	---	---	12.4	11.1	11.7	11.3	10.4	10.9
29	---	---	---	12.5	11.3	11.8	12.4	11.1	11.7	11.8	10.5	11.2
30	---	---	---	12.5	11.0	11.8	12.7	11.4	12.1	12.0	11.1	11.5
31	---	---	---	12.4	11.0	11.7	---	---	---	11.9	10.6	11.3
Month	---	---	---	---	---	---	13.0	10.7	11.9	12.9	10.2	11.3

444728122450000 NORTH SANTIAM RIVER AT GEREN ISLAND, NEAR STAYTON, OR—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	11.8	10.3	11.1	10.2	8.6	9.4	10.2	9.0	9.6	10.4	8.9	9.6
2	11.7	10.3	11.0	10.2	8.5	9.4	10.6	9.4	10	10.4	9.1	9.7
3	11.9	10.3	11.1	10.3	8.6	9.4	10.6	9.0	9.8	10.6	9.2	9.8
4	11.9	10.0	11.0	10.4	8.9	9.7	10.4	8.8	9.5	10.8	9.3	10.2
5	11.5	9.8	10.6	10.5	9.1	9.8	10.3	8.7	9.5	10.8	9.8	10.3
6	11.3	9.6	10.5	10.4	9.0	9.7	10.2	8.7	9.4	10.8	10.0	10.3
7	11.3	9.6	10.4	10.4	8.9	9.7	10.6	8.7	9.6	11.0	9.6	10.2
8	11.2	9.5	10.4	10.4	8.9	9.6	10.3	8.9	9.5	11.0	9.6	10.2
9	11.1	9.5	10.3	10.4	8.8	9.6	10.6	8.9	9.4	11.0	9.6	10.2
10	11.3	9.5	10.3	10.3	8.8	9.5	10.3	8.9	9.5	10.9	9.6	10.2
11	11.2	9.7	10.5	10.3	8.9	9.6	10.9	8.8	9.6	11.2	9.8	10.5
12	11.3	10.2	10.7	10.4	8.9	9.7	10.4	8.9	9.6	11.4	10.1	10.7
13	11.2	10.2	10.6	10.5	9.0	9.7	10.8	8.8	9.6	11.4	10.1	10.7
14	11.2	9.3	10.4	10.3	8.9	9.6	10.3	8.8	9.5	11.3	10.2	10.6
15	10.9	9.2	10.0	10.3	8.7	9.5	10.2	9.1	9.6	11.3	10.2	10.7
16	11.0	9.2	10.0	10.3	8.7	9.5	10.1	9.0	9.5	11.4	10.5	10.8
17	10.7	9.2	9.9	10.3	8.9	9.5	10.1	9.0	9.5	11.5	10.5	10.9
18	10.8	9.2	10	10.2	8.7	9.4	10.2	8.9	9.5	11.5	10.5	10.8
19	10.8	9.7	10.2	10.2	8.6	9.4	10.2	8.9	9.5	11.5	10.3	10.8
20	11.0	9.7	10.3	10.1	8.6	9.3	10.3	9.0	9.6	11.4	10.4	10.8
21	10.9	9.5	10.1	10.1	8.6	9.3	10.4	9.0	9.7	11.3	10.4	10.8
22	10.8	9.1	10.0	10.2	8.6	9.3	10.3	9.1	9.7	11.2	10.6	10.8
23	10.4	9.1	9.8	10.2	8.6	9.3	10.4	9.3	9.8	11.3	10.6	10.8
24	10.6	9.5	10.0	10.1	8.6	9.3	10.4	9.3	9.8	11.3	10.5	10.8
25	10.6	9.7	10.1	10.1	8.6	9.2	10.4	9.3	9.8	11.4	10.5	10.9
26	10.7	9.8	10.2	10.3	8.5	9.2	10.3	9.2	9.8	11.6	10.6	11.0
27	10.7	9.5	10.1	10.3	8.5	9.3	10.4	9.0	9.7	11.6	10.6	11.0
28	10.6	8.9	9.8	10.3	8.6	9.4	10.2	9.0	9.6	10.9	10.5	10.7
29	10.6	8.8	9.6	10.5	8.6	9.4	10.3	9.2	9.7	10.9	10.5	10.7
30	10.4	8.6	9.5	10.4	8.6	9.5	10.4	9.1	9.7	11.1	10.7	10.9
31	---	---	---	10.5	8.8	9.6	10.3	8.9	9.6	---	---	---
Month	11.9	8.6	10.3	10.5	8.5	9.5	10.9	8.7	9.6	11.6	8.9	10.5

444728122450000 NORTH SANTIAM RIVER AT GEREN ISLAND, NEAR STAYTON, OR—Continued

TURBIDITY, WATER, UNFILT, NEAR IR LED LIGHT, 780-900 NM, DETECT ANG. 90 DEG, FORMAZIN NEPHELOMETRIC UNITS
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	October			November			December			January		
1	3.0	0.2	0.4	---	---	---	---	---	---	---	---	---
2	1.5	0.2	0.4	---	---	---	---	---	---	---	---	---
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	---	---	---	---	---	---	---	---	---	---	---	---
Max	---	---	---	---	---	---	---	---	---	---	---	---
Min	---	---	---	---	---	---	---	---	---	---	---	---

444728122450000 NORTH SANTIAM RIVER AT GEREN ISLAND, NEAR STAYTON, OR—Continued

TURBIDITY, WATER, UNFILT, NEAR IR LED LIGHT, 780-900 NM, DETECT ANG. 90 DEG, FORMAZIN NEPHELOMETRIC UNITS
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	February			March			April			May		
1	---	---	---	---	---	---	3.0	1.6	1.9	5.1	1.1	1.5
2	---	---	---	---	---	---	4.7	1.3	1.8	5.6	1.0	1.5
3	---	---	---	---	---	---	3.0	1.2	1.6	2.9	1.1	1.3
4	---	---	---	---	---	---	3.0	1.2	1.5	13	1.1	2.0
5	---	---	---	---	---	---	8.3	1.6	3.8	9.7	1.1	2.7
6	---	---	---	---	---	---	22	4.7	7.2	---	---	---
7	---	---	---	---	---	---	20	5.7	13	7.4	0.9	1.5
8	---	---	---	---	---	---	18	4.5	6.6	2.4	0.9	1.3
9	---	---	---	---	---	---	5.6	2.7	3.7	2.3	0.8	1.1
10	---	---	---	---	---	---	7.5	2.5	3.2	2.0	0.7	1.0
11	---	---	---	---	---	---	7.3	2.0	3.0	2.1	0.7	1.0
12	---	---	---	---	---	---	3.3	1.5	2.1	2.5	0.7	1.0
13	---	---	---	---	---	---	3.6	1.7	2.2	3.1	0.7	1.0
14	---	---	---	---	---	---	5.2	1.4	2.1	5.4	0.6	0.9
15	---	---	---	---	---	---	4.6	1.7	2.1	2.7	0.5	0.9
16	---	---	---	---	---	---	3.0	1.5	2.0	1.7	0.6	0.8
17	---	---	---	---	---	---	3.8	1.5	2.1	1.8	0.6	0.9
18	---	---	---	---	---	---	3.2	1.3	1.7	2.5	0.5	0.8
19	---	---	---	---	---	---	12	1.4	1.9	3.3	0.7	1.0
20	---	---	---	---	---	---	14	3.1	5.0	5.4	0.7	1.1
21	---	---	---	---	---	---	4.5	2.0	2.7	6.0	0.6	1.1
22	---	---	---	---	---	---	4.2	1.5	2.0	2.9	1.4	1.9
23	---	---	---	---	---	---	4.5	1.3	1.8	8.1	1.7	2.6
24	---	---	---	---	---	---	4.3	1.2	1.5	11	2.0	5.2
25	---	---	---	---	---	---	6.0	1.3	1.8	5.8	1.7	2.7
26	---	---	---	---	---	---	4.4	1.2	1.7	7.0	1.6	2.2
27	---	---	---	---	---	---	5.7	1.2	1.6	30	1.7	2.6
28	---	---	---	---	---	---	4.8	1.2	1.6	92	7.8	14
29	---	---	---	3.8	1.7	2.0	2.6	1.2	1.6	24	5.8	8.6
30	---	---	---	2.4	1.5	1.9	3.3	1.1	1.5	18	4.6	9.8
31	---	---	---	2.8	1.6	2.0	---	---	---	9.7	1.9	3.2
Max	---	---	---	---	---	---	22	5.7	13	---	---	---
Min	---	---	---	---	---	---	2.6	1.1	1.5	---	---	---

444728122450000 NORTH SANTIAM RIVER AT GEREN ISLAND, NEAR STAYTON, OR—Continued

TURBIDITY, WATER, UNFILT, NEAR IR LED LIGHT, 780-900 NM, DETECT ANG. 90 DEG, FORMAZIN NEPHELOMETRIC UNITS
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	June			July			August			September		
1	4.7	1.4	2.0	6.5	0.6	1.2	4.8	0.3	0.7	3.3	0.1	0.4
2	4.6	1.1	1.6	3.5	0.6	1.1	2.2	0.2	0.6	1.8	0.2	0.6
3	4.5	1.0	1.6	2.5	0.6	1.0	2.7	0.2	0.5	2.4	0.4	0.7
4	3.7	0.8	1.5	3.2	0.5	0.9	3.7	0.2	0.5	4.4	0.1	0.5
5	---	---	---	3.3	0.5	0.9	1.7	0.1	0.5	2.5	0.2	0.6
6	2.0	0.6	1.0	3.2	0.6	0.9	5.3	0.2	0.5	4.4	1.7	2.3
7	2.5	0.6	0.9	2.8	0.6	1.0	1.9	0.2	0.4	2.7	0.3	1.1
8	4.7	0.5	0.9	4.2	0.4	1.0	1.3	0.1	0.5	1.5	0.3	0.6
9	3.2	0.5	0.9	9.3	0.7	1.7	1.4	0.1	0.4	1.3	0.2	0.4
10	2.7	0.5	0.9	10	0.9	3.5	3.2	0.1	0.4	1.5	0.3	0.6
11	3.6	0.5	0.9	9.4	0.2	2.0	2.7	0.1	0.4	3.1	0.0	0.4
12	5.3	0.4	0.9	9.0	0.2	0.8	2.3	0.1	0.4	1.0	0.1	0.3
13	5.0	0.5	1.0	6.9	0.4	1.0	6.0	0.1	0.5	1.2	0.0	0.3
14	2.6	0.6	0.9	5.6	0.3	0.8	2.8	0.1	0.4	3.0	0.1	0.4
15	3.3	0.6	0.9	9.7	0.5	1.0	6.2	0.2	0.4	1.8	0.0	0.3
16	2.5	0.6	0.9	6.5	0.4	0.8	7.3	0.1	0.4	1.8	0.0	0.3
17	3.9	0.5	0.9	2.0	0.2	0.7	6.0	0.1	0.4	4.3	0.0	0.4
18	3.2	0.5	0.9	2.3	0.4	0.8	3.7	0.0	0.4	2.7	0.4	0.8
19	8.0	0.7	1.5	2.3	0.3	0.7	3.3	0.1	0.3	1.3	0.1	0.4
20	3.8	0.5	1.0	1.9	0.3	0.6	3.4	0.1	0.3	2.7	0.0	0.3
21	3.2	0.6	1.0	2.2	0.3	0.7	7.8	0.1	0.4	2.5	0.1	0.2
22	3.2	0.6	0.9	1.1	0.2	0.6	8.3	0.1	0.3	0.8	0.0	0.3
23	2.7	0.6	1.0	2.3	0.3	0.6	2.2	0.1	0.5	2.8	0.2	0.7
24	7.0	0.8	1.3	2.8	0.3	0.7	1.4	0.1	0.3	3.8	0.3	0.7
25	5.0	0.8	1.5	6.3	0.3	0.6	5.9	0.1	0.4	6.7	1.6	3.0
26	6.3	0.7	2.9	1.7	0.2	0.6	1.2	0.0	0.4	2.7	0.4	1.0
27	3.2	0.8	1.2	3.0	0.3	0.6	1.2	0.1	0.3	3.2	0.3	1.2
28	2.4	0.7	1.1	3.7	0.1	0.6	1.5	0.0	0.3	23	1.2	5.8
29	2.8	0.6	1.1	1.9	0.3	0.6	1.4	0.1	0.3	68	5.4	19
30	2.7	0.7	1.1	2.3	0.3	0.6	1.4	0.0	0.4	90	11	22
31	---	---	---	1.2	0.2	0.5	6.3	0.1	0.3	---	---	---
Max	---	---	---	10	0.9	3.5	8.3	0.3	0.7	90	11	22
Min	---	---	---	1.1	0.1	0.5	1.2	0.0	0.3	0.8	0.0	0.2