

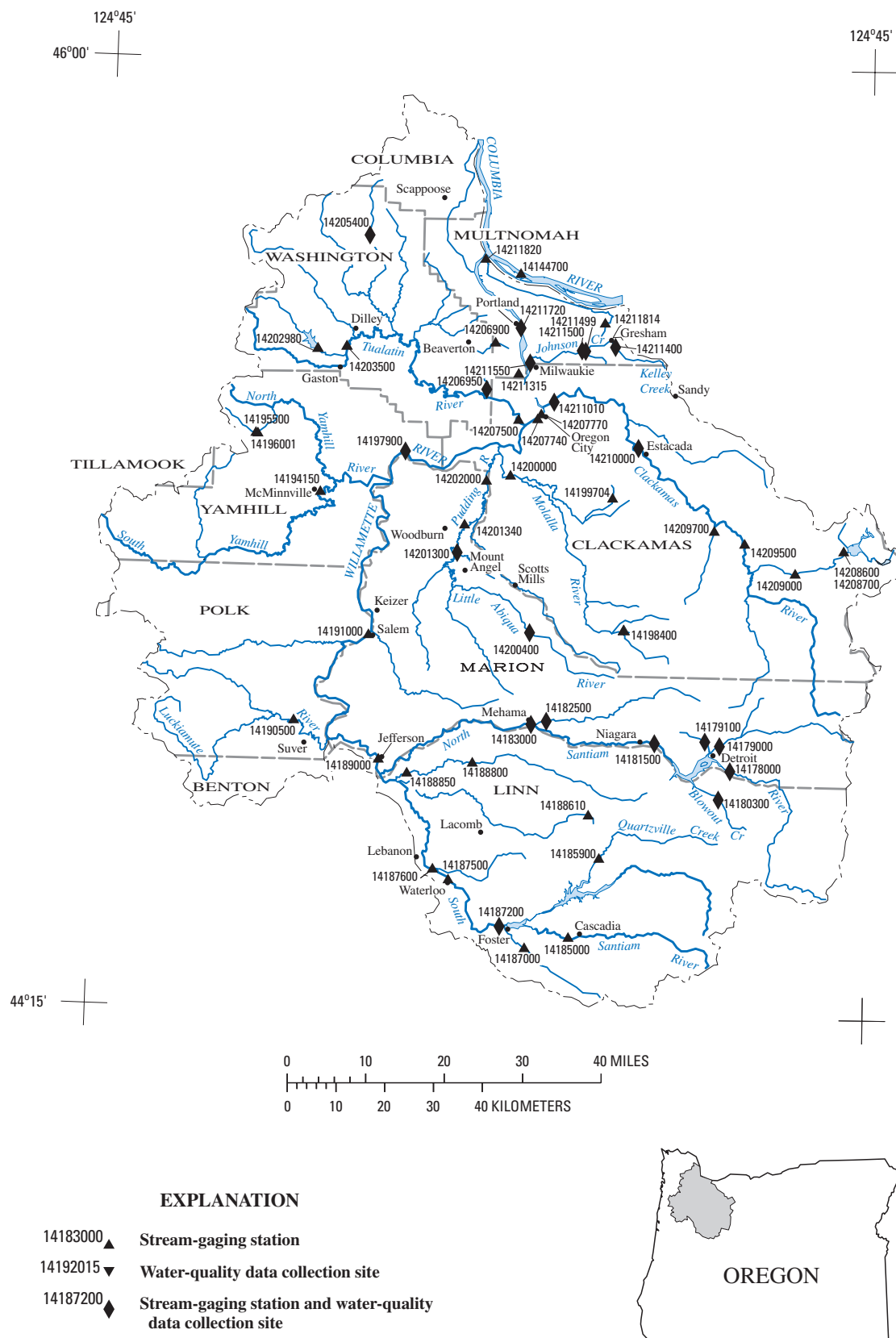


Figure 25. Location of surface-water and water-quality stations in the Willamette River Basin, downstream from the Luckiamute River.

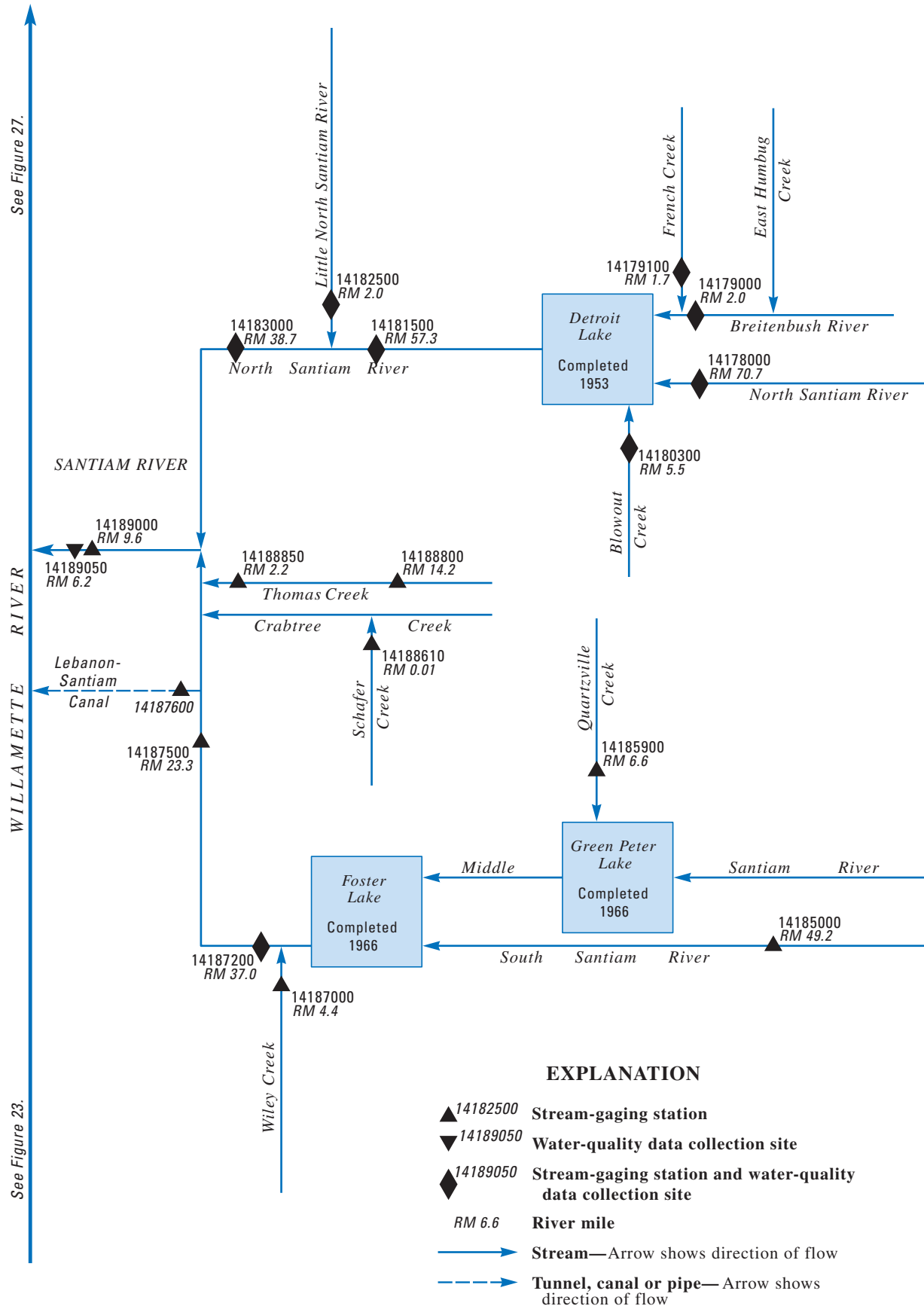


Figure 26. Schematic diagram showing gaging stations and diversions in the Santiam River Basin.

WILLAMETTE RIVER BASIN

14181500 NORTH SANTIAM RIVER AT NIAGARA, OR

LOCATION.--Lat 44°45'10", long 122°17'50", in NE ¼ NE ¼ sec.34, T.9 S., R.4 E., Linn County, Hydrologic Unit 17090005, on left bank 0.1 mi downstream from Little Sardine Creek, 0.8 mi downstream from Big Cliff Dam, 2.1 mi east of Niagara, and at mile 57.3.

DRAINAGE AREA.--453 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--December 1908 to January 1920, October 1921 to March 1922, October 1938 to current year. Monthly discharge only for some periods, published in WSP 1318. Published as "North Fork of Santiam River near Niagara" prior to October 1913, and as "above Mayflower Creek, near Detroit" October 1938 to September 1952.

REVISED RECORDS.--WSP 1288: 1914-18, 1920. WSP 1718: 1953-54.

GAGE.--Water-stage recorder. Datum of gage is 1,093.78 ft above NGVD of 1929 (Federal Highway Administration bench mark). See WSP 1738 for history of changes prior to Oct. 1, 1952.

REMARKS.--Records good. Flow regulated since 1953 by Detroit Lake (station 14180500) and Big Cliff Reservoir, usable capacity for reregulating purposes, 2,930 acre-ft. No diversion upstream from station.

AVERAGE DISCHARGE.--77 years (water years 1910, 1912-19, 1939-2005), 2,309 ft³/s, 69.23 in/yr, 1,673,000 acre-ft/yr, adjusted for storage.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 63,200 ft³/s Nov. 22, 1909, gage height, 16.4 ft, from floodmark, site and datum then in use, from rating curve extended above 35,000 ft³/s; minimum discharge, 19 ft³/s Aug. 21, 1963; minimum daily, 395 ft³/s Mar. 25, 26, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 6,290 ft³/s Oct. 12, gage height, 6.16 ft; minimum discharge, 702 ft³/s Mar. 15.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP					
1	2,110	3,480	1,730	1,330	1,000	907	907	1,510	1,730	1,200	1,000	1,000					
2	2,100	2,930	1,350	1,270	1,010	902	909	1,510	1,910	1,200	996	1,190					
3	2,110	3,000	1,320	1,260	1,010	903	906	1,520	1,680	1,200	1,000	1,210					
4	2,110	2,950	1,320	1,220	907	896	907	1,520	1,390	1,210	1,000	1,200					
5	2,100	2,920	1,320	1,220	909	791	906	1,520	1,520	1,210	1,010	1,210					
6	2,410	2,880	1,310	1,230	911	750	912	1,510	2,220	1,210	1,000	1,510					
7	3,060	2,900	1,770	1,240	904	749	900	1,510	2,260	1,210	1,010	1,820					
8	3,150	2,880	2,230	1,190	901	752	904	1,510	1,900	1,200	1,000	1,800					
9	3,290	2,890	2,290	1,200	907	760	893	1,510	1,810	1,210	1,000	1,790					
10	3,890	2,870	2,740	1,190	908	757	900	1,510	1,670	1,210	1,010	1,780					
11	4,420	2,870	3,980	1,190	904	755	906	1,500	1,490	1,200	1,010	1,800					
12	4,120	2,900	5,280	1,160	910	751	909	1,510	1,460	1,210	1,020	1,810					
13	3,370	2,890	5,250	1,060	901	750	908	1,510	1,480	1,210	1,000	1,830					
14	3,220	2,900	5,270	998	909	750	907	1,510	1,500	1,210	1,000	1,860					
15	3,180	3,020	5,250	950	914	737	901	1,510	1,400	1,200	1,000	2,090					
16	2,750	2,850	4,490	945	910	743	902	1,500	1,350	1,200	1,030	2,030					
17	2,770	2,850	4,370	1,000	907	742	906	2,070	1,510	1,200	1,020	2,020					
18	2,780	2,820	3,530	1,330	910	753	899	1,930	2,070	1,200	1,020	2,050					
19	3,130	2,810	3,450	2,680	902	756	902	2,290	1,790	1,210	1,000	2,030					
20	3,220	2,810	3,430	2,190	897	747	905	2,370	1,490	1,210	1,000	1,970					
21	3,210	2,840	3,440	2,100	907	749	907	2,810	1,520	1,210	1,000	1,970					
22	3,360	2,810	3,360	2,010	908	753	908	3,080	1,430	1,200	1,000	1,970					
23	3,420	2,890	3,400	2,010	915	745	911	2,750	1,380	1,020	996	1,970					
24	3,450	2,950	2,800	1,980	907	736	902	2,520	1,250	994	997	2,000					
25	3,470	3,290	2,130	1,560	903	893	902	2,270	1,230	996	993	1,970					
26	3,650	3,310	1,800	1,260	904	910	901	1,700	1,220	999	994	1,960					
27	3,660	3,280	1,730	1,190	904	922	1,130	1,600	1,210	1,000	1,000	1,960					
28	3,650	3,240	1,690	1,080	902	909	1,500	1,580	1,220	1,000	1,000	1,960					
29	3,700	3,200	1,590	1,010	---	910	1,510	1,590	1,210	1,010	987	1,960					
30	3,750	2,140	1,770	1,000	---	903	1,510	1,750	1,200	1,000	e1,000	1,970					
31	3,600	---	1,400	999	---	907	---	1,580	---	1,000	e1,000	---					
TOTAL	98,210	88,370	86,790	42,052	25,681	24,988	29,170	56,060	46,500	35,539	31,093	53,690					
MEAN	3,168	2,946	2,800	1,357	917	806	972	1,808	1,550	1,146	1,003	1,790					
MAX	4,420	3,480	5,280	2,680	1,010	922	1,510	3,080	2,260	1,210	1,030	2,090					
MIN	2,100	2,140	1,310	945	897	736	893	1,500	1,200	994	987	1,000					
AC-FT	194,800	175,300	172,100	83,410	50,940	49,560	57,860	111,200	92,230	70,490	61,670	106,500					
MEAN†	1,249	1,427	2,790	1,933	1,254	2,153	2,745	2,498	1,529	837	606	590					
CFSM†	2.76	3.15	6.16	4.27	2.77	4.75	6.06	5.51	3.38	1.85	1.34	1.30					
IN.†	3.18	3.51	7.10	4.92	2.88	5.48	6.76	6.36	3.76	2.13	1.54	1.45					
AC-FT†	76,800	84,900	171,600	118,900	69,640	132,400	163,300	153,600	90,930	51,490	37,270	35,100					
CAL YR 2004 TOTAL	753,600	MEAN	2,059	MAX	6,000	MIN	891	AC-FT	1,495,000	MEAN†	2,056	CFSM†	4.54	IN.†	61.76	AC-FT†	1,492,000
WTR YR 2005 TOTAL	618,143	MEAN	1,694	MAX	5,280	MIN	736	AC-FT	1,226,000	MEAN†	1,638	CFSM†	3.62	IN.†	49.09	AC-FT†	1,186,000

† Adjusted for change in contents, in Detroit Lake.

e Estimated



2005 Water Year
SANTIAM RIVER BASIN

14181500 NORTH SANTIAM RIVER AT NIAGARA, OR

Latitude: 44° 45' 10"

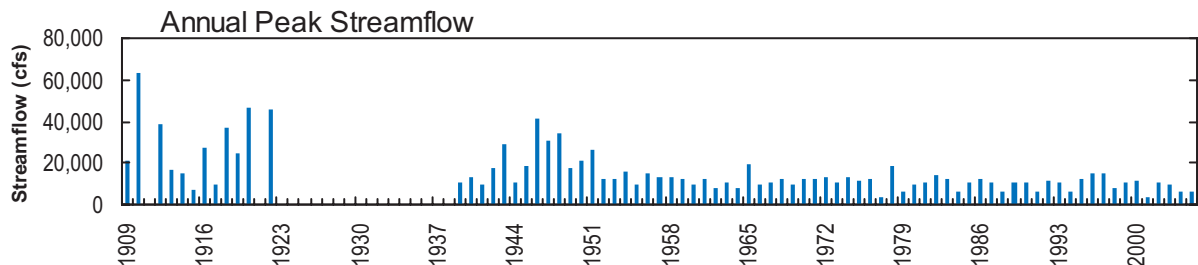
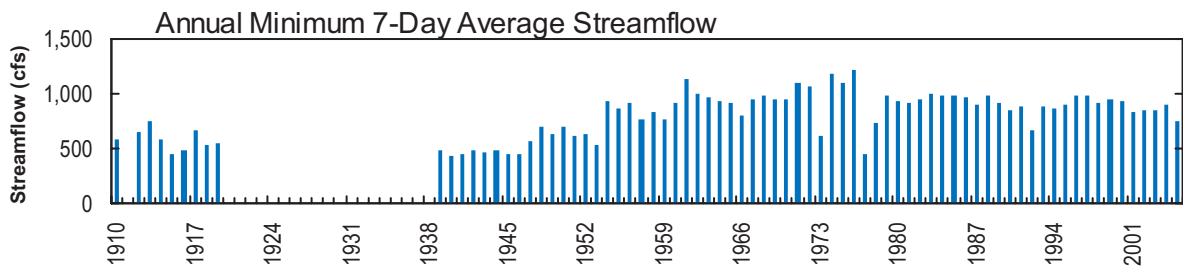
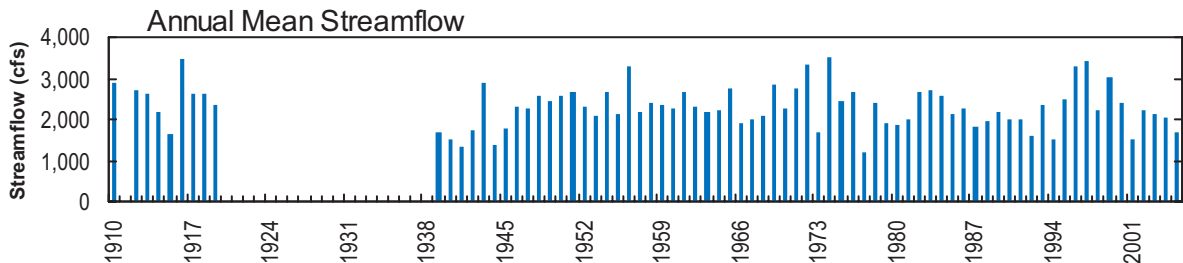
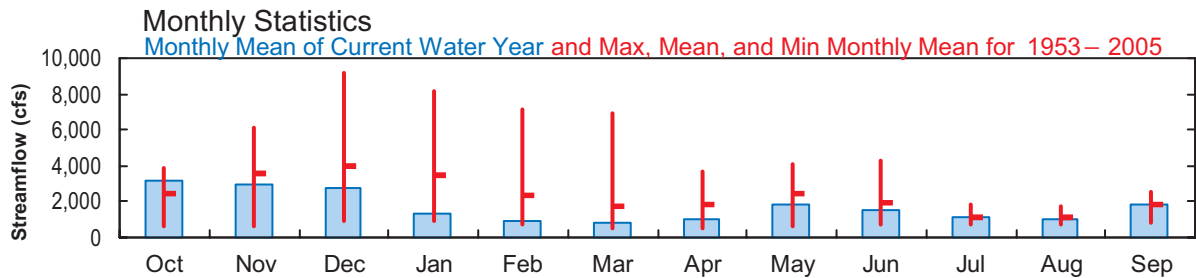
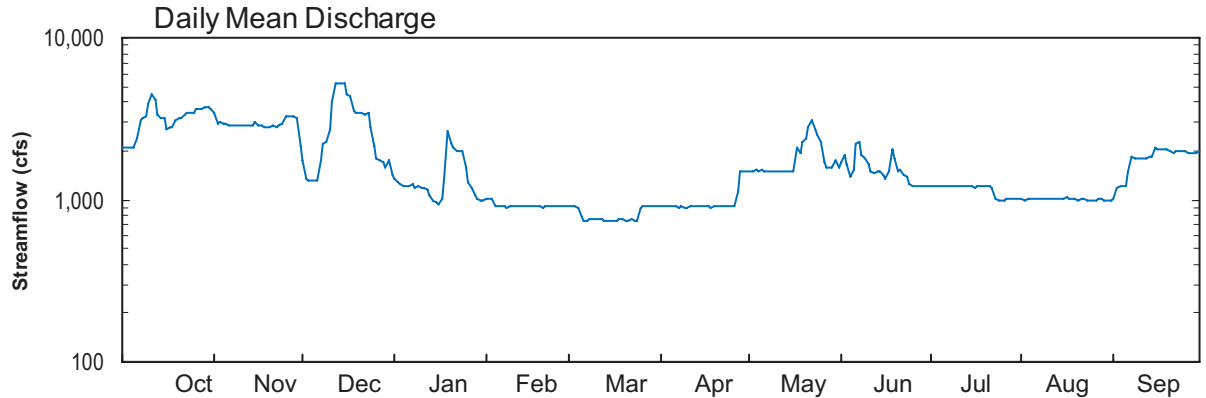
Longitude: 122° 17' 50"

Hydrologic Unit Code: 17090005

Marion County

Datum: 1093.78 feet

Drainage Area: 453 mi²



WILLAMETTE RIVER BASIN

14181500 NORTH SANTIAM RIVER AT NIAGARA, OR—Continued

WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: April 2000 to current year.

pH: August 2000 to current year.

WATER TEMPERATURE: January 1953 to September 1997, October 1999 to current year.

TURBIDITY: April 2000 to current year.

INSTRUMENTATION.--Water-quality monitor.

REMARKS.--

SPECIFIC CONDUCTANCE: Records excellent.

pH: Records excellent except those for the periods July 1-7, 20-28, Aug. 3-25, which are good.

WATER TEMPERATURE: Records excellent.

TURBIDITY: Records excellent. Turbidity data are highly dependent on the instrumentation used for the measurement. See the "Definitions" section for turbidity in the front of this report.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 51 microsiemens Nov. 24, 2003; minimum, 21 microsiemens Jan. 29, 30, 2004.

pH: Maximum, 7.7 units Apr. 16, 2001; minimum, 6.8 units Sept. 17, 2001, many days during several months in the 2003-05 water years.

WATER TEMPERATURE: Maximum, 19.5°C Aug. 21, 1997; minimum, 1.0°C Jan. 30 to Feb. 4, 1979.

TURBIDITY: Maximum recorded, 45 FNU Apr. 14, 2002; minimum, <1 FNU many days each year.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 42 microsiemens many days in October, November, September; minimum, 30 microsiemens Mar. 28-30.

pH: Maximum, 7.5 units several days in March and April; minimum, 6.8 units many days during December and September.

WATER TEMPERATURE: Maximum, 14.1°C Oct. 15, 16; minimum, 4.5°C Feb. 16, 17.

TURBIDITY: Maximum 10 FNU Dec. 11; minimum, <1 FNU many days during year.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	39	38	38	41	40	40	40	40	40	37	37	37
2	39	39	39	40	40	40	40	40	40	37	37	37
3	39	39	39	41	40	40	41	40	40	38	37	37
4	39	39	39	41	40	40	41	40	40	37	37	37
5	40	39	39	---	---	---	41	40	41	37	37	37
6	40	39	39	40	40	40	41	40	40	38	37	37
7	40	39	40	40	40	40	41	40	40	38	38	38
8	40	40	40	41	40	40	41	37	39	38	38	38
9	40	38	39	41	40	40	38	35	36	38	38	38
10	39	39	39	41	40	40	37	33	35	38	38	38
11	40	39	39	40	40	40	39	36	38	38	38	38
12	40	39	40	41	40	40	39	38	39	38	38	38
13	40	40	40	41	40	41	39	39	39	39	38	38
14	42	40	41	41	41	41	39	38	39	40	39	39
15	42	41	42	41	40	41	38	37	38	40	39	40
16	42	41	42	41	41	41	39	38	39	39	39	39
17	42	41	42	41	41	41	39	38	39	39	38	39
18	42	41	42	41	40	41	38	38	38	38	31	34
19	42	41	41	42	41	41	38	38	38	38	32	36
20	42	41	42	42	41	41	38	37	38	38	38	38
21	42	41	42	41	41	41	38	37	37	38	37	38
22	42	41	42	41	40	40	38	37	38	38	37	37
23	42	41	41	42	40	41	38	37	38	38	37	37
24	42	41	42	42	40	41	38	38	38	38	37	37
25	41	41	41	40	39	40	38	37	38	37	37	37
26	41	41	41	41	40	40	38	37	38	37	37	37
27	42	41	41	41	40	41	38	38	38	37	37	37
28	41	41	41	42	40	41	38	37	38	38	37	38
29	41	41	41	41	41	41	38	38	38	38	38	38
30	41	41	41	41	40	41	38	38	38	38	37	37
31	41	41	41	---	---	---	38	37	38	37	37	37
MONTH	42	38	41	42	39	41	41	33	38	40	31	38

WILLAMETTE RIVER BASIN

14181500 NORTH SANTIAM RIVER AT NIAGARA, OR—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	38	37	37	39	39	39	36	34	35	38	37	37
2	37	37	37	39	39	39	37	35	36	38	38	38
3	38	37	37	39	39	39	38	36	37	38	38	38
4	38	37	38	40	39	39	38	36	38	38	38	38
5	38	37	38	40	39	39	37	36	37	38	38	38
6	38	37	38	40	39	40	38	37	37	39	38	38
7	39	38	39	40	40	40	38	36	37	39	37	38
8	39	38	39	40	40	40	37	35	36	39	37	38
9	39	38	38	40	40	40	37	36	37	38	37	38
10	38	38	38	40	40	40	36	34	35	38	36	37
11	38	38	38	40	40	40	37	36	37	37	35	37
12	38	38	38	40	39	39	36	35	36	38	36	37
13	38	38	38	39	39	39	36	35	36	38	36	37
14	38	38	38	40	39	39	37	36	36	38	37	38
15	39	38	39	40	39	40	37	36	36	38	38	38
16	40	39	40	40	39	40	38	37	37	38	36	37
17	40	38	39	40	39	40	37	34	35	37	36	36
18	39	38	39	40	39	39	36	34	35	37	36	37
19	39	38	39	39	39	39	36	34	35	37	36	37
20	39	38	38	40	39	39	36	34	35	37	36	37
21	39	38	38	39	39	39	36	34	35	38	37	37
22	39	38	38	39	39	39	36	35	35	38	36	37
23	39	38	39	39	39	39	36	35	35	36	36	36
24	39	39	39	39	39	39	36	35	35	38	36	37
25	39	39	39	39	39	39	36	36	36	37	37	37
26	39	39	39	39	39	39	37	34	35	38	37	37
27	39	39	39	39	32	35	36	35	36	38	37	38
28	39	39	39	32	30	31	38	36	37	38	38	38
29	---	---	---	30	30	30	38	37	38	38	38	38
30	---	---	---	32	30	31	38	37	38	38	38	38
31	---	---	---	34	31	32	---	---	---	38	38	38
MONTH	40	37	38	40	30	38	38	34	36	39	35	37
	JUNE			JULY			AUGUST			SEPTEMBER		
1	38	37	37	40	38	38	39	38	38	40	39	40
2	37	37	37	39	38	38	39	38	38	40	40	40
3	39	37	38	39	38	38	39	38	39	40	40	40
4	38	36	37	39	38	38	39	38	39	40	40	40
5	38	36	38	39	38	39	39	39	39	40	39	40
6	36	36	36	39	39	39	39	39	39	39	39	39
7	36	36	36	40	39	39	39	39	39	40	39	39
8	36	36	36	39	39	39	39	39	39	40	40	40
9	37	35	36	39	39	39	39	38	39	40	40	40
10	37	36	36	39	39	39	38	38	38	40	40	40
11	37	36	37	39	39	39	38	38	38	40	40	40
12	36	36	36	39	38	38	38	38	38	40	40	40
13	36	35	36	38	38	38	39	38	38	40	40	40
14	37	36	36	38	38	38	39	38	38	40	40	40
15	38	36	37	39	38	38	39	38	38	41	40	40
16	38	37	37	39	38	38	39	38	38	40	40	40
17	38	37	37	39	38	38	38	38	38	41	40	40
18	38	37	37	38	38	38	38	36	37	41	41	41
19	38	37	38	39	38	38	37	34	35	41	41	41
20	38	37	38	39	38	38	39	33	36	41	41	41
21	38	37	38	39	38	38	39	38	39	41	41	41
22	38	38	38	39	38	38	38	37	37	42	41	41
23	38	37	38	38	38	38	37	35	36	42	42	42
24	39	38	38	38	37	38	39	36	38	42	42	42
25	39	38	38	38	37	38	40	39	39	42	42	42
26	39	38	38	38	37	38	39	39	39	42	41	42
27	39	38	38	38	37	38	39	39	39	41	41	41
28	39	38	38	38	38	38	39	39	39	42	41	41
29	38	37	38	38	38	38	39	39	39	42	41	42
30	39	38	38	38	38	38	40	39	39	42	42	42
31	---	---	---	39	38	38	40	39	40	---	---	---
MONTH	39	35	37	40	37	38	40	33	38	42	39	41
YEAR	42	30	38									

WILLAMETTE RIVER BASIN

14181500 NORTH SANTIAM RIVER AT NIAGARA, OR—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	7.0	6.9	7.0	7.2	7.2	7.2	7.2	7.1	7.1	7.2	7.2	7.2
2	7.0	7.0	7.0	7.2	7.1	7.1	7.2	7.1	7.1	7.2	7.2	7.2
3	7.0	7.0	7.0	7.2	7.1	7.2	7.2	7.1	7.1	7.2	7.2	7.2
4	7.0	7.0	7.0	7.2	7.1	7.2	7.2	7.2	7.2	7.2	7.2	7.2
5	7.0	7.0	7.0	7.2	7.2	7.2	7.2	7.2	7.2	7.3	7.2	7.2
6	7.0	7.0	7.0	7.2	7.1	7.2	7.2	7.0	7.2	7.3	7.2	7.2
7	7.0	7.0	7.0	7.2	7.1	7.2	7.1	7.0	7.1	7.2	7.2	7.2
8	7.0	7.0	7.0	7.2	7.2	7.2	7.1	7.0	7.1	7.2	7.2	7.2
9	7.0	7.0	7.0	7.2	7.1	7.2	7.1	6.8	7.0	7.2	7.2	7.2
10	7.0	7.0	7.0	7.3	7.2	7.2	7.0	6.9	7.0	7.3	7.2	7.2
11	7.1	7.0	7.0	7.3	7.2	7.2	7.0	6.9	7.0	7.3	7.2	7.2
12	7.1	7.0	7.0	7.3	7.2	7.2	7.1	7.0	7.0	7.3	7.2	7.2
13	7.0	7.0	7.0	7.3	7.2	7.2	7.1	7.0	7.1	7.2	7.2	7.2
14	7.1	7.0	7.0	7.3	7.2	7.2	7.2	7.1	7.1	7.3	7.2	7.2
15	7.1	7.0	7.0	7.3	7.2	7.3	7.3	7.2	7.2	7.3	7.2	7.2
16	7.1	7.0	7.0	7.3	7.2	7.2	7.3	7.1	7.2	7.3	7.2	7.2
17	7.0	7.0	7.0	7.3	7.2	7.2	7.2	7.2	7.2	7.3	7.2	7.2
18	7.1	7.0	7.1	7.3	7.2	7.2	7.2	7.1	7.2	7.2	7.1	7.2
19	7.1	7.1	7.1	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.1	7.2
20	7.1	7.0	7.1	7.3	7.2	7.2	7.2	7.1	7.2	7.2	7.2	7.2
21	7.1	7.1	7.1	7.3	7.2	7.3	7.2	7.2	7.2	7.2	7.2	7.2
22	7.1	7.0	7.1	7.3	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
23	7.1	7.1	7.1	7.2	7.2	7.2	7.2	7.2	7.2	7.3	7.2	7.2
24	7.1	7.1	7.1	7.2	7.2	7.2	7.2	7.2	7.2	7.3	7.2	7.2
25	7.2	7.1	7.1	7.2	7.1	7.1	7.2	7.2	7.2	7.3	7.2	7.2
26	7.2	7.1	7.1	7.2	7.1	7.2	7.2	7.2	7.2	7.3	7.2	7.2
27	7.2	7.1	7.2	7.2	7.1	7.2	7.2	7.2	7.2	7.3	7.2	7.2
28	7.2	7.1	7.2	7.2	7.1	7.1	7.2	7.2	7.2	7.3	7.2	7.2
29	7.2	7.1	7.2	7.3	7.2	7.2	7.2	7.2	7.2	7.3	7.2	7.2
30	7.2	7.2	7.2	7.3	7.2	7.2	7.2	7.2	7.2	7.3	7.2	7.2
31	7.2	7.2	7.2	---	---	---	7.2	7.2	7.2	7.2	7.2	7.2
MAX	7.2	7.2	7.2	7.3	7.2	7.3	7.3	7.2	7.2	7.3	7.2	7.2
MIN	7.0	6.9	7.0	7.2	7.1	7.1	7.0	6.8	7.0	7.2	7.1	7.2
FEBRUARY			MARCH			APRIL			MAY			
1	7.3	7.2	7.2	7.4	7.3	7.3	7.3	7.1	7.2	7.3	7.2	7.2
2	7.3	7.2	7.2	7.4	7.3	7.3	7.4	7.2	7.2	7.3	7.2	7.2
3	7.3	7.2	7.3	7.4	7.3	7.3	7.3	7.2	7.2	7.3	7.2	7.2
4	7.3	7.2	7.3	7.4	7.3	7.3	7.3	7.2	7.2	7.3	7.2	7.2
5	7.3	7.2	7.3	7.5	7.3	7.4	7.3	7.2	7.2	7.3	7.2	7.2
6	7.3	7.2	7.2	7.5	7.3	7.4	7.3	7.2	7.2	7.3	7.2	7.2
7	7.2	7.2	7.2	7.5	7.3	7.4	7.4	7.2	7.2	7.3	7.2	7.2
8	7.2	7.2	7.2	7.5	7.3	7.4	7.4	7.2	7.2	7.3	7.2	7.2
9	7.3	7.2	7.2	7.5	7.3	7.4	7.4	7.2	7.2	7.3	7.2	7.2
10	7.3	7.2	7.2	7.4	7.3	7.3	7.4	7.2	7.3	7.3	7.2	7.2
11	7.3	7.2	7.3	7.4	7.3	7.3	7.4	7.2	7.3	7.3	7.1	7.2
12	7.3	7.2	7.3	7.4	7.3	7.3	7.4	7.2	7.3	7.3	7.2	7.2
13	7.3	7.2	7.2	7.4	7.3	7.3	7.4	7.2	7.3	7.3	7.2	7.2
14	7.3	7.2	7.2	7.4	7.3	7.3	7.4	7.2	7.2	7.3	7.1	7.2
15	7.3	7.2	7.2	7.5	7.3	7.3	7.4	7.2	7.3	7.2	7.1	7.2
16	7.2	7.2	7.2	7.4	7.3	7.3	7.3	7.2	7.2	7.3	7.2	7.2
17	7.3	7.2	7.3	7.4	7.3	7.3	7.4	7.2	7.2	7.2	7.1	7.2
18	7.4	7.3	7.3	7.4	7.2	7.3	7.4	7.2	7.2	7.2	7.1	7.2
19	7.3	7.3	7.3	7.4	7.2	7.3	7.4	7.2	7.2	7.2	7.1	7.2
20	7.3	7.2	7.3	7.4	7.2	7.3	7.5	7.2	7.2	7.2	7.1	7.2
21	7.3	7.2	7.3	7.5	7.3	7.3	7.4	7.2	7.2	7.2	7.1	7.2
22	7.3	7.3	7.3	7.4	7.3	7.3	7.4	7.2	7.2	7.2	7.2	7.2
23	7.3	7.3	7.3	7.4	7.2	7.3	7.3	7.2	7.2	7.3	7.2	7.2
24	7.4	7.3	7.3	7.5	7.3	7.3	7.4	7.2	7.2	7.2	7.1	7.2
25	7.4	7.3	7.3	7.5	7.3	7.3	7.4	7.2	7.2	7.2	7.1	7.2
26	7.4	7.3	7.3	7.3	7.2	7.3	7.4	7.2	7.2	7.3	7.2	7.2
27	7.4	7.3	7.3	7.3	7.2	7.2	7.4	7.2	7.2	7.2	7.2	7.2
28	7.4	7.3	7.3	7.3	7.2	7.2	7.3	7.2	7.2	7.3	7.2	7.2
29	---	---	---	7.2	7.1	7.2	7.3	7.2	7.2	7.2	7.2	7.2
30	---	---	---	7.2	7.1	7.1	7.3	7.2	7.2	7.2	7.1	7.2
31	---	---	---	7.3	7.1	7.2	---	---	---	7.2	7.1	7.2
MAX	7.4	7.3	7.3	7.5	7.3	7.4	7.5	7.2	7.3	7.3	7.2	7.2
MIN	7.2	7.2	7.2	7.2	7.1	7.1	7.3	7.1	7.2	7.2	7.1	7.2

WILLAMETTE RIVER BASIN

14181500 NORTH SANTIAM RIVER AT NIAGARA, OR—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	7.2	7.2	7.2	7.1	7.0	7.0	7.2	7.0	7.1	7.0	6.9	7.0
2	7.2	7.1	7.2	7.1	7.0	7.0	7.2	7.0	7.1	7.0	6.9	7.0
3	7.2	7.1	7.2	7.1	7.0	7.0	7.2	7.0	7.1	7.0	6.9	6.9
4	7.2	7.1	7.2	7.1	7.0	7.0	7.2	7.0	7.1	7.0	6.9	6.9
5	7.2	7.1	7.2	7.1	7.0	7.0	7.2	7.0	7.1	7.0	6.9	6.9
6	7.2	7.1	7.2	7.0	6.9	7.0	7.2	7.0	7.0	7.0	6.9	6.9
7	7.2	7.1	7.1	7.2	6.9	7.1	7.1	7.0	7.0	6.9	6.8	6.9
8	7.2	7.1	7.1	7.2	7.1	7.2	7.1	7.0	7.0	6.9	6.8	6.9
9	7.2	7.1	7.1	7.2	7.1	7.1	7.1	7.0	7.0	6.9	6.8	6.8
10	7.2	7.1	7.1	7.2	7.1	7.2	7.1	7.0	7.0	6.9	6.8	6.8
11	7.2	7.1	7.1	7.2	7.1	7.2	7.1	7.0	7.0	6.9	6.8	6.8
12	7.2	7.1	7.1	7.2	7.1	7.2	7.1	7.0	7.0	6.9	6.8	6.8
13	7.2	7.1	7.1	7.2	7.1	7.2	7.1	7.0	7.0	6.9	6.8	6.8
14	7.2	7.1	7.1	7.2	7.1	7.1	7.1	7.0	7.0	6.8	6.8	6.8
15	7.2	7.1	7.1	7.2	7.1	7.1	7.1	7.0	7.0	6.9	6.8	6.8
16	7.2	7.1	7.2	7.2	7.1	7.1	7.3	6.9	7.2	6.9	6.8	6.9
17	7.2	7.2	7.2	7.2	7.1	7.1	7.3	7.1	7.2	6.9	6.8	6.9
18	7.2	7.1	7.2	7.2	7.1	7.1	7.3	7.1	7.2	6.9	6.8	6.9
19	7.2	7.1	7.2	7.2	7.1	7.1	7.3	7.1	7.2	6.9	6.8	6.9
20	7.2	7.1	7.2	7.2	7.1	7.1	7.3	7.1	7.2	6.9	6.8	6.9
21	7.2	7.1	7.2	7.2	7.1	7.1	7.3	7.1	7.2	6.9	6.8	6.9
22	7.2	7.1	7.1	7.2	7.1	7.1	7.2	7.1	7.2	6.9	6.8	6.9
23	7.2	7.1	7.1	7.2	7.1	7.1	7.2	6.9	7.1	6.9	6.8	6.9
24	7.2	7.1	7.1	7.2	7.1	7.1	7.0	6.9	6.9	6.9	6.8	6.8
25	7.2	7.1	7.1	7.2	7.1	7.1	7.1	6.9	7.0	6.9	6.8	6.8
26	7.2	7.1	7.1	7.2	7.1	7.1	7.1	7.0	7.0	6.9	6.8	6.9
27	7.1	7.0	7.1	7.2	7.1	7.1	7.1	7.0	7.0	6.9	6.8	6.9
28	7.2	7.0	7.1	7.2	7.0	7.1	7.1	7.0	7.0	6.9	6.8	6.8
29	7.1	7.0	7.0	7.2	7.0	7.1	7.1	7.0	7.0	6.9	6.8	6.9
30	7.1	7.0	7.0	7.2	7.0	7.1	7.0	6.9	7.0	6.9	6.8	6.8
31	---	---	---	7.2	7.0	7.1	7.0	6.9	7.0	---	---	---
MAX	7.2	7.2	7.2	7.2	7.1	7.2	7.3	7.1	7.2	7.0	6.9	7.0
MIN	7.1	7.0	7.0	7.0	6.9	7.0	7.0	6.9	6.9	6.8	6.8	6.8

WILLAMETTE RIVER BASIN

14181500 NORTH SANTIAM RIVER AT NIAGARA, OR—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	13.3	12.8	13.1	12.9	12.6	12.7	9.0	8.9	8.9	6.3	6.2	6.2
2	13.2	12.9	13.1	12.8	12.2	12.5	8.9	8.5	8.7	6.2	6.0	6.1
3	13.4	13.0	13.2	12.2	11.9	12.0	8.5	8.4	8.5	6.0	5.8	5.9
4	13.4	13.1	13.3	12.3	11.9	12.1	8.6	8.4	8.5	5.8	5.5	5.7
5	13.4	13.2	13.3	12.2	11.6	11.8	8.6	8.5	8.5	5.5	5.3	5.4
6	13.5	13.2	13.4	11.8	11.3	11.6	8.5	8.1	8.3	5.5	5.3	5.4
7	13.7	13.4	13.5	11.7	11.3	11.5	8.3	8.1	8.2	5.5	5.5	5.5
8	13.7	13.2	13.4	11.6	11.2	11.4	8.3	8.0	8.1	5.5	5.4	5.5
9	13.6	13.1	13.4	11.6	10.9	11.2	8.1	7.7	7.9	5.4	5.3	5.4
10	13.8	13.3	13.6	11.6	11.1	11.3	8.0	7.7	7.9	5.3	5.2	5.3
11	13.9	13.2	13.6	11.6	11.2	11.4	8.0	7.6	7.8	5.2	5.1	5.1
12	13.9	13.5	13.8	11.4	10.8	11.1	7.7	7.4	7.6	5.2	5.1	5.2
13	14.0	13.6	13.8	11.3	10.9	11.1	7.6	7.5	7.6	5.3	5.2	5.2
14	13.9	13.6	13.8	11.2	10.7	10.9	7.6	7.4	7.6	5.2	4.8	5.0
15	14.1	13.7	13.9	11.2	10.9	11.1	7.4	7.2	7.3	4.8	4.6	4.7
16	14.1	13.7	14.0	11.1	10.6	10.7	7.4	7.2	7.3	4.8	4.7	4.8
17	14.0	13.7	13.8	11.0	10.5	10.7	7.4	7.2	7.3	5.0	4.8	4.9
18	13.9	13.8	13.8	11.0	10.7	10.8	7.3	7.1	7.2	5.6	5.0	5.3
19	14.0	13.6	13.8	10.7	10.4	10.5	7.2	7.0	7.1	5.5	5.3	5.3
20	13.7	13.6	13.6	10.6	10.3	10.4	7.0	6.8	6.9	5.3	5.2	5.2
21	13.8	13.7	13.8	10.6	10.2	10.3	6.8	6.7	6.8	5.2	5.2	5.2
22	13.8	13.6	13.7	10.4	10.1	10.2	6.9	6.8	6.8	5.2	5.2	5.2
23	13.7	13.4	13.5	10.2	10.0	10.1	6.8	6.7	6.7	5.2	5.2	5.2
24	13.6	13.3	13.4	10.1	9.9	10.0	6.7	6.6	6.6	5.2	5.1	5.1
25	13.5	13.2	13.4	9.9	9.6	9.7	6.6	6.5	6.6	5.2	5.1	5.2
26	13.4	13.2	13.3	9.8	9.6	9.7	6.6	6.4	6.5	5.3	5.2	5.3
27	13.3	13.1	13.2	9.8	9.4	9.6	6.4	6.4	6.4	5.4	5.3	5.3
28	13.2	12.9	13.1	9.4	9.2	9.3	6.4	6.3	6.4	5.3	5.2	5.2
29	13.2	13.0	13.1	9.4	9.1	9.3	6.4	6.4	6.4	5.2	5.1	5.2
30	13.0	12.7	12.9	9.4	9.0	9.3	6.4	6.3	6.3	5.3	5.2	5.2
31	12.7	12.6	12.7	---	---	---	6.3	6.2	6.3	5.3	5.2	5.3
MONTH	14.1	12.6	13.5	12.9	9.0	10.8	9.0	6.2	7.4	6.3	4.6	5.3
FEBRUARY			MARCH			APRIL			MAY			
1	5.2	5.1	5.2	5.3	5.1	5.2	6.2	6.1	6.1	6.7	6.4	6.5
2	5.1	5.0	5.1	5.4	5.2	5.3	6.4	6.0	6.2	6.5	6.2	6.3
3	5.2	5.0	5.1	5.4	5.2	5.3	6.1	5.8	6.0	6.5	6.2	6.3
4	5.2	5.2	5.2	5.4	5.3	5.3	6.0	5.8	5.9	6.6	6.3	6.5
5	5.3	5.2	5.2	5.6	5.3	5.4	6.2	5.9	6.1	6.6	6.3	6.4
6	5.2	5.0	5.1	5.6	5.3	5.5	6.4	6.1	6.2	6.4	6.2	6.3
7	5.0	4.7	4.8	5.8	5.5	5.6	6.5	6.2	6.3	6.4	6.2	6.3
8	4.9	4.7	4.8	5.9	5.7	5.8	6.4	6.2	6.3	6.7	6.3	6.5
9	4.9	4.8	4.9	6.0	5.7	5.8	6.2	6.0	6.1	6.6	6.2	6.4
10	5.0	4.8	4.9	5.9	5.7	5.8	6.5	6.1	6.3	6.3	6.2	6.3
11	5.0	4.8	4.9	6.0	5.7	5.9	6.4	6.1	6.2	6.5	6.2	6.4
12	4.9	4.8	4.9	6.2	5.8	6.0	6.2	6.1	6.2	6.8	6.4	6.6
13	5.0	4.9	4.9	6.1	5.8	5.9	6.3	6.0	6.1	7.1	6.6	6.9
14	5.0	4.9	4.9	6.1	5.7	5.9	6.2	5.9	6.0	7.0	6.6	6.7
15	4.9	4.6	4.7	6.2	5.9	6.1	6.2	6.0	6.1	6.6	6.5	6.6
16	4.7	4.5	4.6	6.2	5.7	6.0	6.1	6.0	6.1	6.7	6.4	6.6
17	4.7	4.5	4.6	5.9	5.6	5.7	6.2	6.0	6.1	6.6	6.3	6.5
18	4.7	4.6	4.6	5.6	5.3	5.5	6.2	6.0	6.1	6.8	6.3	6.5
19	4.7	4.6	4.7	5.7	5.4	5.5	6.5	6.0	6.2	6.8	6.5	6.6
20	4.9	4.7	4.8	5.8	5.6	5.7	6.8	6.3	6.5	6.9	6.5	6.8
21	5.0	4.8	4.9	6.1	5.7	5.9	7.0	6.5	6.7	7.3	6.4	6.8
22	5.0	4.8	4.9	6.0	5.7	5.9	7.1	6.7	6.9	8.0	7.3	7.8
23	5.0	4.8	4.9	5.8	5.7	5.7	7.0	6.5	6.8	8.0	7.8	7.9
24	5.0	4.7	4.9	6.1	5.8	6.0	6.7	6.3	6.5	8.0	7.0	7.4
25	5.0	4.8	4.9	6.2	6.0	6.0	6.4	6.2	6.3	7.8	7.4	7.6
26	5.2	4.9	5.0	6.0	5.8	5.9	6.9	6.4	6.6	8.0	7.2	7.6
27	5.2	5.0	5.1	6.2	5.8	6.0	7.2	6.6	6.9	7.4	7.0	7.3
28	5.2	5.1	5.2	6.3	6.2	6.2	6.9	6.5	6.7	7.3	7.0	7.2
29	---	---	---	6.2	6.0	6.1	6.7	6.2	6.4	7.1	6.8	6.9
30	---	---	---	6.1	6.0	6.0	6.5	6.2	6.3	6.8	6.7	6.7
31	---	---	---	6.3	5.9	6.1	---	---	---	7.0	6.8	6.9
MONTH	5.3	4.5	4.9	6.3	5.1	5.8	7.2	5.8	6.3	8.0	6.2	6.8

WILLAMETTE RIVER BASIN

14181500 NORTH SANTIAM RIVER AT NIAGARA, OR—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	7.1	6.8	7.0	8.6	8.2	8.4	9.3	9.0	9.1	10.4	9.8	10.1
2	7.1	6.8	6.9	8.6	8.3	8.4	9.6	9.1	9.3	10.0	9.8	9.9
3	7.0	6.7	6.8	8.6	8.1	8.4	10.0	9.3	9.6	9.9	9.7	9.8
4	7.3	6.9	7.1	8.8	8.1	8.5	9.9	9.2	9.5	10.0	9.8	9.8
5	7.1	6.9	7.0	8.8	8.2	8.4	9.8	9.1	9.4	10.1	9.8	9.9
6	7.1	6.8	7.0	8.4	8.1	8.3	9.8	9.1	9.5	10.1	9.8	9.9
7	7.0	6.7	6.8	8.3	8.0	8.2	9.8	9.2	9.4	10.2	9.9	10.0
8	7.3	6.9	7.1	8.4	8.1	8.3	9.8	9.2	9.5	10.3	10.1	10.2
9	7.6	7.1	7.4	8.2	8.1	8.2	9.9	9.2	9.5	10.3	10.1	10.2
10	7.5	7.1	7.4	8.3	8.1	8.2	9.7	9.3	9.4	10.3	10.1	10.2
11	7.3	7.1	7.2	8.4	8.0	8.1	9.8	9.3	9.5	10.5	10.2	10.3
12	7.6	7.2	7.4	8.6	8.4	8.5	9.8	9.3	9.5	10.5	10.3	10.4
13	7.7	7.4	7.6	8.6	8.4	8.6	10.1	9.4	9.8	10.6	10.4	10.5
14	7.7	7.4	7.6	9.2	8.5	8.8	10.1	9.4	9.8	10.8	10.5	10.6
15	7.7	7.2	7.5	9.0	8.4	8.7	10.1	9.2	9.7	10.8	10.5	10.7
16	7.6	7.2	7.5	8.7	8.6	8.6	9.8	9.3	9.6	10.8	10.5	10.7
17	7.6	7.4	7.5	9.4	8.6	9.0	10.1	9.7	9.8	11.0	10.6	10.8
18	7.7	7.3	7.6	9.3	8.7	8.9	10.1	9.6	9.8	11.0	10.9	11.0
19	7.7	7.1	7.5	9.1	8.6	8.8	10.2	9.5	9.8	11.3	10.9	11.1
20	8.0	7.6	7.8	9.1	8.6	8.8	10.2	9.7	9.9	11.3	11.0	11.2
21	8.1	7.6	7.9	9.4	8.6	9.0	9.9	9.6	9.7	11.4	11.1	11.3
22	7.9	7.6	7.8	8.8	8.5	8.7	10.1	9.8	9.9	11.6	11.1	11.4
23	8.2	7.7	7.9	9.4	8.7	9.0	9.9	9.8	9.8	11.8	11.3	11.5
24	8.1	7.6	7.8	9.4	9.0	9.2	10.3	9.7	9.9	11.8	11.4	11.6
25	8.0	7.6	7.9	9.4	8.8	9.1	10.2	9.6	9.9	11.9	11.4	11.7
26	8.0	7.6	7.9	9.9	9.0	9.4	10.2	9.6	9.9	12.0	11.6	11.8
27	7.9	7.4	7.7	9.8	8.9	9.3	10.2	9.6	9.9	12.2	11.8	12.0
28	7.7	7.5	7.6	9.4	8.9	9.1	10.3	9.8	10.0	12.3	12.0	12.2
29	8.3	7.6	7.9	9.7	9.0	9.3	10.0	9.8	9.9	12.4	12.0	12.2
30	8.6	7.9	8.3	10.0	9.2	9.5	10.0	9.5	9.7	12.6	12.3	12.4
31	---	---	---	9.8	9.1	9.4	10.3	9.8	10.0	---	---	---
MONTH	8.6	6.7	7.5	10.0	8.0	8.7	10.3	9.0	9.7	12.6	9.7	10.8
YEAR	14.1	4.5	8.1									

WILLAMETTE RIVER BASIN

14181500 NORTH SANTIAM RIVER AT NIAGARA, OR—Continued

TURBIDITY, WATER, MONOCHROME NEAR INFRA-RED LED LIGHT, 780-900 NM, DETECTION ANGLE 90 +/- 2.5 DEGREES, FNU
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	<1	<1	<1	<1	<1	<1	2	<1	<1	<1	<1	<1
2	<1	<1	<1	<1	<1	<1	3	<1	<1	<1	<1	<1
3	3	<1	<1	<1	<1	<1	<1	<1	<1	2	<1	<1
4	<1	<1	<1	1	<1	<1	<1	<1	<1	1	<1	<1
5	1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
6	<1	<1	<1	<1	<1	<1	<1	<1	<1	2	<1	<1
7	<1	<1	<1	1	<1	<1	<1	<1	<1	2	<1	<1
8	<1	<1	<1	<1	<1	<1	2	<1	<1	1	<1	<1
9	<1	<1	<1	1	<1	<1	1	<1	<1	1	<1	<1
10	<1	<1	<1	<1	<1	<1	6	<1	<1	<1	<1	<1
11	<1	<1	<1	1	<1	<1	10	<1	2	1	<1	<1
12	3	<1	<1	2	<1	<1	3	<1	1	<1	<1	<1
13	<1	<1	<1	<1	<1	<1	2	<1	1	<1	<1	<1
14	<1	<1	<1	2	<1	<1	2	2	2	<1	<1	<1
15	<1	<1	<1	2	<1	<1	3	2	2	<1	<1	<1
16	2	<1	<1	1	<1	<1	3	2	2	<1	<1	<1
17	<1	<1	<1	1	<1	<1	4	1	2	<1	<1	<1
18	<1	<1	<1	2	<1	<1	3	1	2	3	<1	2
19	<1	<1	<1	1	<1	<1	3	1	2	2	<1	<1
20	<1	<1	<1	<1	<1	<1	3	1	2	<1	<1	<1
21	<1	<1	<1	<1	<1	<1	2	1	1	2	<1	<1
22	<1	<1	<1	<1	<1	<1	2	1	1	1	<1	<1
23	1	<1	<1	4	<1	<1	1	<1	1	1	<1	<1
24	2	<1	<1	1	<1	<1	1	<1	1	2	1	1
25	<1	<1	<1	1	<1	<1	1	<1	<1	2	1	1
26	<1	<1	<1	<1	<1	<1	3	<1	<1	2	1	1
27	<1	<1	<1	<1	<1	<1	2	<1	<1	2	1	1
28	<1	<1	<1	2	<1	<1	2	<1	<1	2	<1	1
29	<1	<1	<1	1	<1	<1	1	<1	<1	3	<1	<1
30	<1	<1	<1	<1	<1	<1	2	<1	<1	2	<1	<1
31	<1	<1	<1	---	---	---	1	<1	<1	1	<1	1
MAX	3	<1	<1	4	<1	<1	10	2	2	3	1	2
MIN	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
FEBRUARY			MARCH			APRIL			MAY			
1	2	<1	1	1	<1	<1	<1	<1	<1	2	<1	<1
2	2	<1	1	1	<1	<1	2	<1	<1	<1	<1	<1
3	4	<1	1	6	<1	<1	2	<1	<1	4	<1	<1
4	1	<1	<1	3	<1	<1	2	<1	<1	<1	<1	<1
5	1	<1	<1	5	<1	<1	2	<1	<1	1	<1	<1
6	1	<1	<1	4	<1	<1	1	<1	<1	4	<1	<1
7	<1	<1	<1	1	<1	<1	9	<1	<1	1	<1	<1
8	1	<1	<1	2	<1	<1	1	<1	<1	<1	<1	<1
9	1	<1	<1	7	<1	<1	1	<1	<1	<1	<1	<1
10	1	<1	<1	5	<1	<1	1	<1	<1	1	<1	<1
11	2	<1	<1	6	<1	<1	1	<1	<1	<1	<1	<1
12	<1	<1	<1	6	<1	<1	3	<1	<1	1	<1	<1
13	<1	<1	<1	2	<1	<1	3	<1	<1	1	<1	<1
14	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
15	2	<1	<1	<1	<1	<1	<1	<1	<1	2	<1	<1
16	2	<1	<1	1	<1	<1	<1	<1	<1	1	<1	<1
17	<1	<1	<1	<1	<1	<1	2	<1	<1	<1	<1	<1
18	1	<1	<1	<1	<1	<1	2	<1	<1	1	<1	<1
19	<1	<1	<1	2	<1	<1	<1	<1	<1	1	<1	<1
20	<1	<1	<1	<1	<1	<1	2	<1	<1	2	<1	<1
21	<1	<1	<1	<1	<1	<1	<1	<1	<1	4	<1	<1
22	<1	<1	<1	<1	<1	<1	1	<1	<1	2	<1	<1
23	1	<1	<1	<1	<1	<1	<1	<1	<1	1	<1	<1
24	1	<1	<1	<1	<1	<1	1	<1	<1	1	<1	<1
25	<1	<1	<1	<1	<1	<1	<1	<1	<1	3	<1	<1
26	2	<1	<1	<1	<1	<1	<1	<1	<1	2	<1	<1
27	2	<1	<1	6	<1	1	4	<1	<1	1	<1	<1
28	7	<1	<1	3	1	2	1	<1	<1	1	<1	<1
29	---	---	---	3	1	2	6	<1	<1	<1	<1	<1
30	---	---	---	3	<1	<1	1	<1	<1	2	<1	<1
31	---	---	---	2	<1	<1	---	---	---	1	<1	<1
MAX	7	<1	1	7	1	2	9	<1	<1	4	<1	<1
MIN	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

WILLAMETTE RIVER BASIN

14181500 NORTH SANTIAM RIVER AT NIAGARA, OR—Continued

TURBIDITY, WATER, MONOCHROME NEAR INFRA-RED LED LIGHT, 780-900 NM, DETECTION ANGLE 90 +/- 2.5 DEGREES, FNU—
CONTINUED

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
2	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
3	<1	<1	<1	4	<1	<1	<1	<1	<1	<1	<1	<1
4	1	<1	<1	<1	<1	<1	<1	<1	<1	1	<1	<1
5	<1	<1	<1	2	<1	<1	<1	<1	<1	<1	<1	<1
6	<1	<1	<1	<1	<1	<1	1	<1	<1	1	<1	<1
7	<1	<1	<1	<1	<1	<1	<1	<1	<1	2	<1	<1
8	2	<1	<1	4	<1	<1	<1	<1	<1	<1	<1	<1
9	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
10	<1	<1	<1	2	<1	<1	<1	<1	<1	2	<1	<1
11	<1	<1	<1	1	<1	<1	<1	<1	<1	2	<1	<1
12	<1	<1	<1	2	<1	<1	1	<1	<1	4	<1	<1
13	<1	<1	<1	<1	<1	<1	<1	<1	<1	2	<1	<1
14	1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
15	<1	<1	<1	<1	<1	<1	<1	<1	<1	2	<1	<1
16	<1	<1	<1	<1	<1	<1	1	<1	<1	<1	<1	<1
17	<1	<1	<1	<1	<1	<1	1	<1	<1	<1	<1	<1
18	<1	<1	<1	<1	<1	<1	<1	<1	<1	2	<1	<1
19	<1	<1	<1	6	<1	<1	1	<1	<1	<1	<1	<1
20	<1	<1	<1	<1	<1	<1	<1	<1	<1	1	<1	<1
21	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
22	<1	<1	<1	1	<1	<1	<1	<1	<1	<1	<1	<1
23	<1	<1	<1	2	<1	<1	<1	<1	<1	1	<1	<1
24	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
26	2	<1	<1	<1	<1	<1	<1	<1	<1	1	<1	<1
27	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
28	<1	<1	<1	<1	<1	<1	<1	<1	<1	3	<1	<1
29	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
30	<1	<1	<1	<1	<1	<1	<1	<1	<1	2	<1	<1
31	---	---	---	<1	<1	<1	<1	<1	<1	---	---	---
MAX	2	<1	<1	6	<1	<1	1	<1	<1	4	<1	<1
MIN	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

WILLAMETTE RIVER BASIN

14182500 LITTLE NORTH SANTIAM RIVER NEAR MEHAMA, OR

LOCATION.--Lat 44°47'30", long 122°34'40", in NW ¼ sec.16, T.9 S., R.2 E., Marion County, Hydrologic Unit 17090005, on left bank 2.0 mi east of Mehama, and at mile 2.0.

DRAINAGE AREA.--112 mi² at cableway 1.2 mi downstream.

PERIOD OF RECORD.--October 1931 to current year. Records for July to September 1924 and July to September 1931 at site 4 mi upstream not equivalent as a result of differences in drainage areas.

REVISED RECORDS.--WSP 754: 1932. WSP 1218: 1934, 1936, 1949-50. WSP 1935: Maximum only, 1932-34, 1936, 1938, 1943, 1945-49, 1950(M,P), 1951-53(M), 1954(M,P), 1955(M), 1956(M,P), 1957(M), 1958-59(M,P). WSP 2135: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 655.41 ft above NGVD of 1929. Prior to June 12, 1948, nonrecording gage at about same site and datum.

REMARKS.--Records good. No regulation or diversion upstream from station. All records given herein are for measuring site 1.2 mi downstream from gage. Continuous water-quality records for the period May 1985 to September 1986 have been collected at this location.

AVERAGE DISCHARGE.--74 years (water years 1932-2005), 743 ft³/s, 90.08 in/yr, 537,900 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 36,000 ft³/s Dec. 22, 1964, gage height, 16.73 ft, from rating curve extended above 17,000 ft³/s; minimum discharge, 13 ft³/s Aug. 30, 1961.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 8,200 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 10	0530	*7,550	*9.35				

Minimum discharge, 28 ft³/s, Sept. 29, gage height, 2.66 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e195	680	575	315	386	228	1,130	463	419	254	70	35
2	181	1,200	532	300	357	221	1,110	455	532	231	68	33
3	171	1,470	478	283	334	215	934	412	458	216	65	32
4	162	948	443	269	344	205	909	417	400	200	62	32
5	154	729	423	254	411	196	806	418	431	186	59	32
6	298	604	428	247	393	188	747	521	882	189	57	31
7	314	512	561	249	399	181	935	609	1,230	188	55	31
8	292	443	2,520	244	373	176	1,130	580	1,010	174	54	30
9	956	391	2,750	230	352	172	979	636	774	191	52	31
10	646	352	4,610	220	335	167	833	1,080	633	197	51	59
11	474	320	4,000	212	320	163	985	1,100	571	200	50	55
12	384	294	2,090	225	323	159	951	833	536	188	48	46
13	326	275	1,290	287	442	152	824	677	491	174	47	41
14	285	255	1,300	279	409	147	809	588	444	161	45	39
15	258	252	1,130	268	369	142	784	543	400	152	43	37
16	238	256	880	348	337	143	1,490	670	373	140	42	37
17	260	231	721	884	311	188	1,690	855	523	134	42	42
18	814	262	625	4,740	291	165	1,250	995	606	125	42	41
19	1,020	274	559	1,820	282	256	1,010	1,460	556	119	42	38
20	662	255	503	1,090	338	377	854	1,160	515	113	40	36
21	616	240	461	822	320	345	759	1,150	439	107	39	35
22	701	230	440	670	299	320	714	1,040	394	110	37	33
23	800	225	406	572	279	327	775	856	357	104	37	33
24	784	459	374	499	262	348	859	713	321	97	36	32
25	684	1,410	354	444	249	348	733	605	291	92	35	31
26	602	1,030	401	406	239	1,130	655	519	267	88	34	31
27	522	736	369	383	229	5,090	606	455	280	84	34	30
28	457	597	345	353	229	3,100	647	407	377	80	32	29
29	421	508	340	457	---	2,070	561	370	332	78	34	29
30	558	475	335	437	---	1,450	509	340	281	74	40	41
31	760	---	320	410	---	1,050	---	322	---	71	37	---
TOTAL	14,995	15,913	30,563	18,217	9,212	19,419	26,978	21,249	15,123	4,517	1,429	1,082
MEAN	484	530	986	588	329	626	899	685	504	146	46.1	36.1
MAX	1,020	1,470	4,610	4,740	442	5,090	1,690	1,460	1,230	254	70	59
MIN	154	225	320	212	229	142	509	322	267	71	32	29
AC-FT	29,740	31,560	60,620	36,130	18,270	38,520	53,510	42,150	30,000	8,960	2,830	2,150
CFSM	4.32	4.74	8.80	5.25	2.94	5.59	8.03	6.12	4.50	1.30	0.41	0.32
IN.	4.98	5.29	10.15	6.05	3.06	6.45	8.96	7.06	5.02	1.50	0.47	0.36

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1932 - 2005, BY WATER YEAR (WY)

MEAN	386	1,113	1,428	1,314	1,180	1,020	967	779	450	130	64.4	107
MAX	1,594	3,121	3,680	3,615	3,533	2,645	1,712	1,439	1,684	547	432	490
(WY)	(1948)	(1943)	(1965)	(1953)	(1996)	(1932)	(1937)	(1949)	(1933)	(1983)	(1968)	(1959)
MIN	17.3	25.7	193	218	260	226	268	211	53.5	32.3	19.2	24.3
(WY)	(1988)	(1937)	(1977)	(1937)	(1977)	(1992)	(1941)	(1992)	(1992)	(1992)	(1961)	(1987)

WILLAMETTE RIVER BASIN

14182500 LITTLE NORTH SANTIAM RIVER NEAR MEHAMA, OR—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1932 - 2005	
ANNUAL TOTAL	243,822		178,697			
ANNUAL MEAN	666		490		743	
HIGHEST ANNUAL MEAN					1,146	1974
LOWEST ANNUAL MEAN					400	1977
HIGHEST DAILY MEAN	9,650	Jan 29	5,090	Mar 27	31,400	Feb 7, 1996
LOWEST DAILY MEAN	46	Aug 21	29	Sep 28	13	Aug 30, 1961
ANNUAL SEVEN-DAY MINIMUM	48	Aug 15	31	Sep 23	15	Aug 24, 1961
ANNUAL RUNOFF (AC-FT)	483,600		354,400		537,900	
ANNUAL RUNOFF (CFSM)	5.95		4.37		6.63	
ANNUAL RUNOFF (INCHES)	80.98		59.35		90.08	
10 PERCENT EXCEEDS	1,350		1,010		1,650	
50 PERCENT EXCEEDS	474		344		461	
90 PERCENT EXCEEDS	89		41		42	

e Estimated



2005 Water Year
SANTIAM RIVER BASIN

14182500 LITTLE NORTH SANTIAM RIVER NEAR MEHAMA, OR

Latitude: 44° 47' 30"

Longitude: 122° 34' 40"

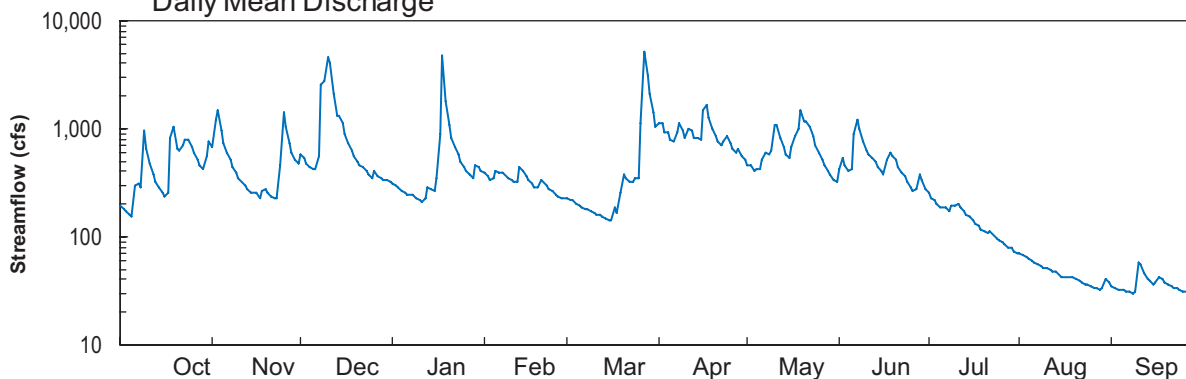
Hydrologic Unit Code: 17090005

Marion County

Datum: 655.41 feet

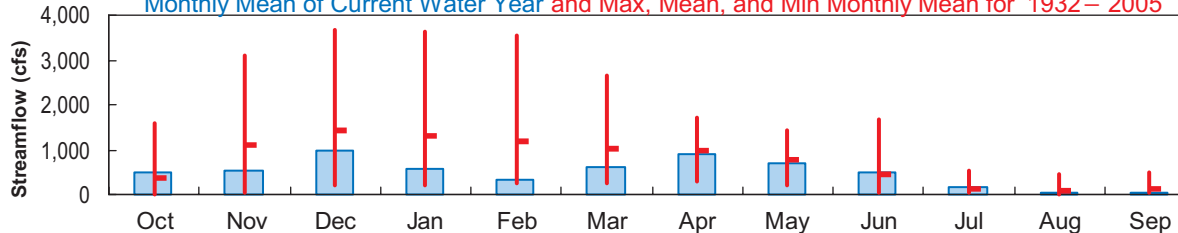
Drainage Area: 112 mi²

Daily Mean Discharge

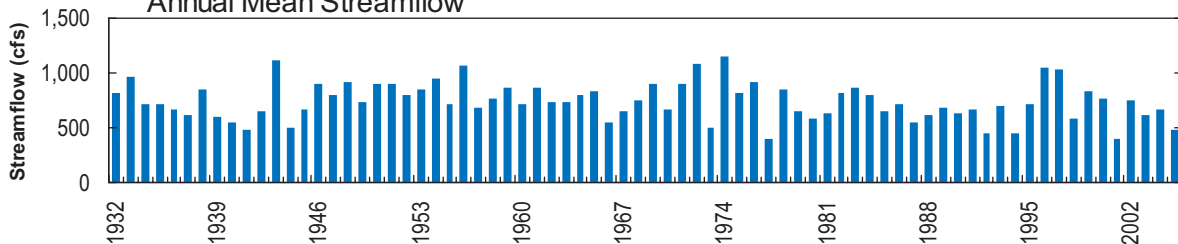


Monthly Statistics

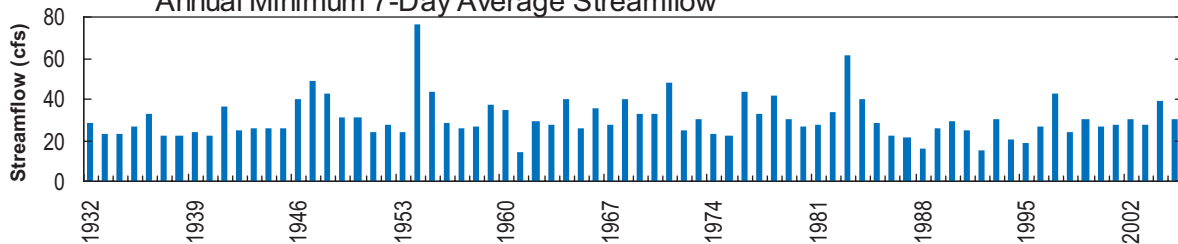
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1932–2005



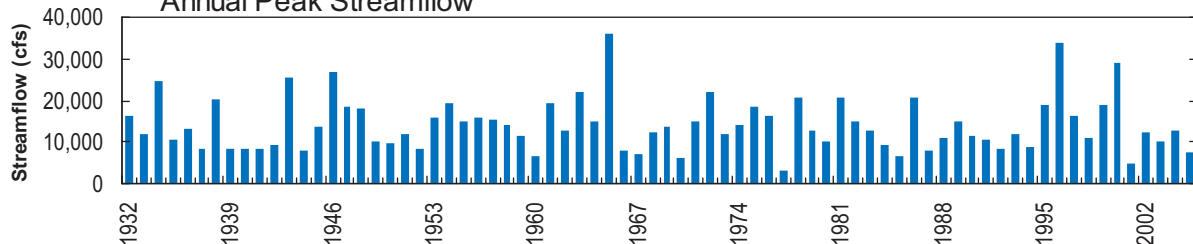
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



WILLAMETTE RIVER BASIN
14182500 LITTLE NORTH SANTIAM RIVER NEAR MEHAMA, OR

WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: April 2000 to current year.
pH: June 2000 to current year.
WATER TEMPERATURE: July 1985 to September 1986, April 2000 to current year.
TURBIDITY: April 2000 to current year.

INSTRUMENTATION.--Water-quality monitor.

REMARKS.--Water-quality data for the 2001 water year available in the files of the Portland field office.

SPECIFIC CONDUCTANCE: Records excellent.
pH: Records excellent except those for the periods Jan. 29 to Feb. 15, July 20-26, which are good.
WATER TEMPERATURE: Records excellent.
TURBIDITY: Records excellent except those for the periods Dec. 8-11, Jan. 17, 18, Mar. 26-28, which are good. Turbidity data are highly dependent on the instrumentation used for the measurement. See the "Definitions" section for turbidity in the front of this report.

EXTREMES FOR PERIOD OF RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 54 microsiemens Sept. 1, 26, 28, 2005; minimum, 14 microsiemens Nov. 14, 2001, Apr. 14, 2002.
pH: Maximum, 8.7 units Aug. 1, 3, 2003; minimum, 6.5 units Jan. 18, 2005.
WATER TEMPERATURE: Maximum, 27.3°C Aug. 8, 1986, July 29, 2003; minimum, 0.8°C Dec. 1, 2, 1985.
TURBIDITY: Maximum, 301 FNU Apr. 14, 2002; minimum, <1 FNU many days each year.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 54 microsiemens Sept. 1, 26, 28; minimum, 16 microsiemens Jan. 18.
pH: Maximum, 8.4 units July 22-24, Aug. 1, 17; minimum, 6.5 units Jan. 18.
WATER TEMPERATURE: Maximum, 24.9°C July 31; minimum, 1.6°C Jan. 5.
TURBIDITY: Maximum, 279 FNU Dec. 10; minimum, <1 FNU many days during year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Instantaneous discharge, cfs (00061)	Suspnd. sediment, sieve diameter percent <.063mm (70331)	Suspended sediment concentration mg/L (80154)	Suspended sediment discharge, tons/d (80155)
DEC					
08...	1445	3,260	52	78	686
08...	1533	3,100	55	74	618
08...	1600	--	64	6	--
JAN					
18...	1418	5,090	47	129	1,770
MAR					
28...	1435	2,750	59	19	141

WILLAMETTE RIVER BASIN

14182500 LITTLE NORTH SANTIAM RIVER NEAR MEHAMA, OR—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	36	35	35	30	28	29	32	30	32	34	34	34
2	36	35	36	30	24	27	32	31	31	34	34	34
3	36	36	36	26	24	25	32	31	31	34	34	34
4	36	36	36	29	26	28	32	32	32	35	34	34
5	37	36	36	30	29	29	32	32	32	35	34	35
6	37	34	36	31	30	30	32	32	32	35	35	35
7	34	32	33	32	31	31	32	29	31	35	35	35
8	34	33	34	32	32	32	29	21	24	35	35	35
9	34	26	29	33	32	33	24	21	23	35	35	35
10	30	27	29	33	33	33	23	18	20	36	35	35
11	30	30	30	34	33	34	23	19	21	36	36	36
12	32	30	31	35	34	34	26	23	25	36	35	36
13	33	32	32	35	34	35	28	26	27	35	34	35
14	34	33	33	36	35	35	28	26	27	34	33	34
15	35	34	34	36	35	36	26	26	26	34	34	34
16	35	35	35	36	36	36	28	26	28	34	32	33
17	35	35	35	37	36	36	29	28	28	32	19	29
18	35	24	30	37	36	36	30	29	30	19	16	17
19	26	24	25	36	35	36	31	30	30	24	19	22
20	28	26	28	36	35	36	31	31	31	26	24	25
21	29	28	29	36	35	36	31	31	31	26	26	26
22	28	28	28	36	35	36	32	31	32	28	26	27
23	28	28	28	36	36	36	32	32	32	29	28	28
24	28	28	28	36	30	35	33	32	33	29	29	29
25	29	28	28	30	23	26	33	33	33	30	29	30
26	30	29	29	28	25	27	33	33	33	31	30	31
27	31	30	30	30	28	29	33	33	33	31	31	31
28	32	31	31	31	30	30	33	33	33	31	31	31
29	32	32	32	32	31	31	34	33	33	31	31	31
30	32	29	31	32	31	32	34	33	34	31	31	31
31	29	28	28	---	---	---	34	34	34	32	31	32
MONTH	37	24	31	37	23	32	34	18	30	36	16	31
FEBRUARY			MARCH			APRIL			MAY			
1	32	32	32	34	33	33	28	25	27	30	29	29
2	32	32	32	34	33	34	27	25	26	30	30	30
3	33	32	33	34	34	34	27	26	26	31	30	31
4	33	32	33	34	34	34	26	26	26	31	31	31
5	32	31	31	35	34	34	28	26	27	32	31	31
6	32	31	31	35	35	35	28	28	28	32	30	31
7	32	31	32	35	35	35	28	26	27	32	28	29
8	32	32	32	36	35	36	26	26	26	31	28	28
9	32	32	32	36	36	36	26	26	26	29	28	28
10	32	32	32	36	36	36	28	26	28	28	26	27
11	33	32	32	37	36	36	28	26	27	27	26	26
12	33	32	32	36	36	36	26	26	26	29	27	28
13	32	29	30	36	36	36	28	26	28	30	29	29
14	30	29	29	36	36	36	29	28	28	32	30	31
15	30	30	30	37	36	36	29	28	29	32	31	32
16	31	30	30	37	36	36	29	22	26	32	28	30
17	31	31	31	37	36	36	26	22	24	28	26	27
18	32	31	31	36	36	36	28	26	26	27	26	27
19	32	32	32	36	34	35	28	28	28	26	23	24
20	32	31	31	34	30	31	29	28	28	27	25	26
21	31	31	31	31	30	30	29	29	29	28	27	27
22	31	31	31	31	30	31	30	29	29	28	27	28
23	32	31	32	31	31	31	29	28	28	30	28	28
24	32	32	32	32	31	32	28	26	27	30	29	29
25	33	32	32	32	32	32	28	28	28	31	30	30
26	33	33	33	32	17	29	28	28	28	32	31	31
27	33	33	33	19	17	18	29	28	28	33	32	32
28	34	33	33	22	19	21	29	26	27	34	33	34
29	---	---	---	25	22	24	29	27	28	35	34	34
30	---	---	---	27	25	26	29	28	29	36	35	35
31	---	---	---	28	27	28	---	---	---	36	35	36
MONTH	34	29	32	37	17	32	30	22	27	36	23	30

WILLAMETTE RIVER BASIN

14182500 LITTLE NORTH SANTIAM RIVER NEAR MEHAMA, OR—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	36	34	35	36	35	36	45	44	44	54	49	50
2	34	32	32	37	36	37	45	44	45	50	48	49
3	32	32	32	37	35	36	45	44	45	50	48	49
4	33	32	33	37	36	36	46	45	45	50	48	49
5	34	32	33	38	37	37	46	45	46	51	48	49
6	32	25	27	38	37	37	47	45	46	49	47	48
7	25	24	25	37	37	37	47	46	46	50	48	49
8	27	25	26	38	37	37	47	46	46	51	48	49
9	29	27	28	38	37	38	47	46	46	49	48	49
10	30	29	29	37	37	37	46	46	46	49	48	48
11	31	30	30	37	37	37	48	46	46	51	48	49
12	31	30	30	37	36	37	47	45	46	49	47	48
13	31	30	30	37	37	37	47	45	46	50	47	48
14	33	31	31	38	37	37	49	46	47	50	49	49
15	33	32	32	38	38	38	47	46	47	50	49	50
16	33	33	33	38	38	38	47	46	47	50	48	49
17	33	31	32	40	38	38	48	46	47	50	49	49
18	31	29	30	40	39	39	48	46	47	50	49	49
19	31	30	30	40	39	40	48	46	47	50	49	49
20	31	30	31	41	39	40	48	47	47	50	49	50
21	32	31	32	41	40	40	49	46	47	50	49	50
22	33	32	33	41	40	41	49	47	48	51	49	50
23	34	33	33	42	41	41	48	46	47	50	49	50
24	35	34	34	42	41	42	48	47	47	50	49	50
25	36	35	35	42	41	42	49	47	48	51	49	50
26	35	35	35	43	41	42	49	48	48	54	49	50
27	35	35	35	44	43	43	49	48	48	50	49	50
28	35	33	34	44	43	44	49	48	49	54	50	51
29	34	33	34	45	43	44	49	47	48	51	50	50
30	35	34	34	45	44	44	49	48	49	53	47	50
31	---	---	---	45	44	45	49	48	49	---	---	---
MONTH	36	24	32	45	35	39	49	44	47	54	47	49
YEAR	54	16	34									

WILLAMETTE RIVER BASIN

14182500 LITTLE NORTH SANTIAM RIVER NEAR MEHAMA, OR—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	7.8	7.4	7.5	7.4	7.1	7.2	7.4	7.2	7.3	7.4	7.3	7.3
2	7.8	7.4	7.5	7.2	7.0	7.1	7.4	7.2	7.3	7.3	7.2	7.3
3	7.8	7.4	7.5	7.2	6.9	7.1	7.4	7.2	7.3	7.3	7.2	7.3
4	7.8	7.4	7.5	7.3	7.0	7.1	7.5	7.2	7.3	7.3	7.2	7.3
5	7.8	7.4	7.5	7.3	7.1	7.2	7.5	7.3	7.3	7.3	7.2	7.3
6	7.7	7.4	7.5	7.4	7.2	7.3	7.5	7.2	7.3	7.3	7.2	7.3
7	7.7	7.3	7.4	7.5	7.2	7.3	7.4	7.2	7.3	7.3	7.2	7.3
8	7.7	7.4	7.4	7.5	7.2	7.3	7.2	6.8	6.9	7.4	7.2	7.3
9	7.4	7.2	7.3	7.7	7.3	7.3	7.0	6.8	6.9	7.4	7.2	7.3
10	7.5	7.2	7.3	7.7	7.3	7.4	6.9	6.6	6.8	7.4	7.2	7.3
11	7.5	7.3	7.3	7.7	7.3	7.4	7.0	6.8	6.9	7.4	7.2	7.3
12	7.6	7.3	7.4	7.8	7.3	7.4	7.1	6.9	7.0	7.3	7.2	7.3
13	7.7	7.3	7.4	7.7	7.3	7.4	7.2	7.0	7.1	7.4	7.2	7.3
14	7.7	7.3	7.4	7.9	7.3	7.4	7.2	7.0	7.1	7.3	7.2	7.2
15	7.7	7.3	7.4	7.7	7.3	7.4	7.1	7.0	7.1	7.3	7.2	7.3
16	7.8	7.3	7.4	7.9	7.3	7.4	7.2	7.1	7.2	7.3	7.2	7.2
17	7.7	7.4	7.4	7.7	7.3	7.4	7.3	7.1	7.2	7.3	6.7	7.2
18	7.4	7.0	7.3	7.8	7.3	7.4	7.3	7.2	7.2	6.8	6.5	6.6
19	7.3	7.0	7.2	7.7	7.3	7.4	7.3	7.2	7.2	7.0	6.7	6.9
20	7.5	7.1	7.2	7.7	7.3	7.4	7.3	7.2	7.3	7.2	6.9	7.0
21	7.5	7.2	7.3	7.6	7.3	7.3	7.3	7.2	7.3	7.2	7.1	7.1
22	7.3	7.1	7.2	7.7	7.3	7.3	7.3	7.2	7.3	7.2	7.1	7.2
23	7.4	7.1	7.2	7.6	7.3	7.3	7.3	7.2	7.3	7.3	7.1	7.2
24	7.4	7.1	7.2	7.4	7.2	7.3	7.4	7.2	7.3	7.3	7.2	7.2
25	7.4	7.1	7.2	7.2	7.0	7.1	7.4	7.2	7.3	7.3	7.2	7.2
26	7.5	7.2	7.3	7.3	7.0	7.2	7.4	7.3	7.3	7.3	7.2	7.2
27	7.6	7.2	7.3	7.4	7.1	7.2	7.4	7.2	7.3	7.3	7.2	7.2
28	7.6	7.2	7.3	7.4	7.2	7.3	7.4	7.2	7.3	7.3	7.2	7.2
29	7.7	7.2	7.3	7.4	7.2	7.3	7.4	7.3	7.3	7.3	7.2	7.2
30	7.5	7.2	7.3	7.4	7.2	7.3	7.4	7.3	7.3	7.3	7.2	7.2
31	7.4	7.1	7.2	---	---	---	7.4	7.2	7.3	7.3	7.1	7.2
MAX	7.8	7.4	7.5	7.9	7.3	7.4	7.5	7.3	7.3	7.4	7.3	7.3
MIN	7.3	7.0	7.2	7.2	6.9	7.1	6.9	6.6	6.8	6.8	6.5	6.6
FEBRUARY			MARCH			APRIL			MAY			
1	7.3	7.1	7.2	7.5	7.3	7.3	7.2	7.0	7.1	7.8	7.2	7.3
2	7.2	7.1	7.2	7.6	7.3	7.4	7.2	7.0	7.1	7.8	7.2	7.3
3	7.2	7.1	7.1	7.6	7.3	7.3	7.2	7.0	7.1	7.8	7.2	7.3
4	7.2	7.1	7.2	7.5	7.3	7.3	7.2	7.1	7.1	7.8	7.2	7.3
5	7.2	7.1	7.1	7.5	7.3	7.4	7.3	7.1	7.2	7.7	7.2	7.3
6	7.2	7.1	7.1	7.5	7.3	7.3	7.4	7.1	7.2	7.6	7.2	7.3
7	7.2	7.0	7.1	7.6	7.3	7.3	7.3	7.1	7.2	7.6	7.2	7.3
8	7.2	7.0	7.1	7.6	7.3	7.3	7.3	7.0	7.1	7.6	7.1	7.3
9	7.2	7.0	7.1	7.6	7.3	7.3	7.3	7.0	7.2	7.5	7.2	7.2
10	7.2	7.0	7.0	7.6	7.3	7.3	7.4	7.1	7.2	7.3	7.1	7.2
11	7.2	7.0	7.0	7.6	7.3	7.4	7.3	7.1	7.2	7.4	7.0	7.2
12	7.1	7.0	7.0	7.6	7.3	7.3	7.3	7.1	7.2	7.5	7.1	7.2
13	7.1	6.9	7.0	7.6	7.2	7.4	7.4	7.1	7.2	7.6	7.1	7.3
14	7.1	6.9	7.0	7.6	7.3	7.4	7.4	7.1	7.2	7.6	7.1	7.3
15	7.3	6.9	7.0	7.5	7.3	7.4	7.4	7.2	7.2	7.6	7.1	7.3
16	7.4	7.2	7.3	7.5	7.3	7.4	7.2	6.9	7.1	7.5	7.2	7.2
17	7.4	7.2	7.3	7.5	7.3	7.4	7.2	6.9	7.1	7.4	7.1	7.2
18	7.5	7.3	7.3	7.5	7.3	7.3	7.3	7.0	7.1	7.4	7.0	7.1
19	7.4	7.3	7.3	7.5	7.3	7.3	7.4	7.1	7.2	7.2	7.0	7.1
20	7.5	7.3	7.3	7.4	7.2	7.3	7.5	7.1	7.2	7.3	7.0	7.1
21	7.4	7.3	7.3	7.4	7.2	7.3	7.5	7.1	7.2	7.3	7.0	7.1
22	7.5	7.3	7.3	7.4	7.2	7.3	7.5	7.1	7.2	7.4	7.0	7.2
23	7.5	7.3	7.3	7.4	7.2	7.2	7.3	7.1	7.2	7.4	7.0	7.2
24	7.5	7.3	7.3	7.4	7.2	7.3	7.4	7.1	7.2	7.5	7.1	7.2
25	7.5	7.3	7.3	7.4	7.2	7.3	7.5	7.1	7.2	7.5	7.1	7.3
26	7.5	7.3	7.3	7.3	6.7	7.2	7.5	7.1	7.3	7.8	7.1	7.3
27	7.5	7.3	7.3	6.8	6.7	6.8	7.7	7.1	7.3	7.8	7.1	7.4
28	7.5	7.3	7.4	6.9	6.8	6.9	7.7	7.2	7.3	7.8	7.2	7.4
29	---	---	---	7.0	6.9	6.9	7.5	7.1	7.3	7.7	7.3	7.4
30	---	---	---	7.1	7.0	7.0	7.8	7.2	7.3	7.7	7.2	7.3
31	---	---	---	7.2	7.0	7.1	---	---	---	7.6	7.2	7.4
MAX	7.5	7.3	7.4	7.6	7.3	7.4	7.8	7.2	7.3	7.8	7.3	7.4
MIN	7.1	6.9	7.0	6.8	6.7	6.8	7.2	6.9	7.1	7.2	7.0	7.1

WILLAMETTE RIVER BASIN

14182500 LITTLE NORTH SANTIAM RIVER NEAR MEHAMA, OR—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	7.6	7.3	7.4	7.7	7.2	7.4	8.4	7.3	7.6	8.0	7.3	7.4
2	7.5	7.2	7.3	7.7	7.2	7.4	8.3	7.3	7.5	8.1	7.3	7.5
3	7.6	7.2	7.3	7.6	7.2	7.4	8.2	7.3	7.5	8.3	7.4	7.5
4	7.6	7.2	7.4	7.7	7.2	7.4	8.1	7.3	7.4	8.1	7.4	7.5
5	7.5	7.3	7.4	7.7	7.2	7.4	8.1	7.3	7.4	8.0	7.4	7.5
6	7.3	7.1	7.2	7.7	7.2	7.4	8.1	7.3	7.4	8.1	7.4	7.5
7	7.3	7.1	7.2	7.8	7.3	7.5	8.1	7.3	7.4	8.0	7.4	7.5
8	7.4	7.1	7.2	7.8	7.3	7.5	8.0	7.3	7.4	8.1	7.4	7.5
9	7.5	7.1	7.3	7.9	7.4	7.6	8.1	7.3	7.4	8.1	7.4	7.6
10	7.6	7.2	7.3	7.8	7.4	7.6	8.1	7.3	7.4	8.0	7.4	7.5
11	7.6	7.2	7.4	7.9	7.4	7.6	8.0	7.3	7.4	8.1	7.4	7.5
12	7.6	7.2	7.4	7.9	7.4	7.6	8.3	7.2	7.5	8.0	7.4	7.5
13	7.7	7.2	7.4	8.0	7.4	7.6	8.3	7.3	7.5	8.0	7.4	7.5
14	7.7	7.2	7.4	8.0	7.4	7.6	8.2	7.3	7.5	8.2	7.4	7.5
15	7.8	7.3	7.4	8.0	7.5	7.6	8.3	7.3	7.5	8.2	7.4	7.5
16	7.8	7.2	7.4	8.1	7.5	7.7	8.3	7.3	7.5	8.1	7.4	7.6
17	7.7	7.3	7.4	8.1	7.5	7.7	8.4	7.3	7.5	8.1	7.4	7.5
18	7.6	7.2	7.4	8.2	7.5	7.7	8.3	7.3	7.5	7.9	7.4	7.5
19	7.7	7.2	7.3	8.3	7.5	7.7	8.2	7.3	7.5	7.9	7.4	7.4
20	7.7	7.2	7.4	8.3	7.6	7.8	8.2	7.3	7.4	7.8	7.4	7.5
21	7.7	7.2	7.4	8.3	7.6	7.7	8.3	7.3	7.5	7.8	7.4	7.4
22	7.8	7.2	7.3	8.4	7.6	7.8	8.3	7.3	7.5	7.8	7.4	7.4
23	7.8	7.2	7.4	8.4	7.6	7.8	8.1	7.4	7.5	7.9	7.3	7.4
24	7.8	7.2	7.4	8.4	7.7	7.8	8.1	7.4	7.5	7.8	7.4	7.5
25	7.8	7.2	7.4	8.2	7.7	7.8	8.1	7.3	7.4	7.8	7.4	7.4
26	7.7	7.2	7.4	8.2	7.3	7.7	8.2	7.4	7.5	7.8	7.4	7.4
27	7.7	7.3	7.4	8.2	7.3	7.5	8.0	7.3	7.5	7.8	7.3	7.4
28	7.6	7.2	7.4	8.2	7.3	7.5	8.0	7.3	7.4	7.8	7.3	7.4
29	7.6	7.2	7.4	8.2	7.3	7.5	8.0	7.3	7.5	7.9	7.3	7.5
30	7.6	7.2	7.3	8.2	7.3	7.5	8.0	7.3	7.4	7.7	7.3	7.4
31	---	---	---	8.3	7.3	7.5	7.9	7.3	7.4	---	---	---
MAX	7.8	7.3	7.4	8.4	7.7	7.8	8.4	7.4	7.6	8.3	7.4	7.6
MIN	7.3	7.1	7.2	7.6	7.2	7.4	7.9	7.2	7.4	7.7	7.3	7.4

WILLAMETTE RIVER BASIN

14182500 LITTLE NORTH SANTIAM RIVER NEAR MEHAMA, OR—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	13.7	12.0	12.6	8.3	7.2	7.7	6.6	5.9	6.2	6.0	5.2	5.7
2	13.8	11.9	12.6	9.1	8.3	8.7	6.1	5.1	5.4	5.2	3.9	4.5
3	13.9	11.8	12.6	8.4	7.4	8.0	5.8	5.1	5.4	3.9	3.2	3.5
4	14.0	11.9	12.6	7.5	6.4	7.0	6.0	5.3	5.7	3.3	2.3	2.8
5	14.0	11.8	12.6	7.7	6.2	6.9	6.4	6.0	6.2	2.5	1.6	2.1
6	13.8	12.6	13.1	7.8	6.6	7.2	6.2	5.5	5.7	3.8	2.5	3.2
7	13.6	12.4	13.0	8.5	7.2	7.8	6.2	5.6	5.8	4.3	3.8	4.1
8	13.1	12.4	12.7	8.4	7.2	7.7	7.1	6.2	6.8	4.3	3.9	4.1
9	12.4	10.9	11.3	8.4	7.7	8.1	7.8	7.0	7.4	4.1	3.8	4.0
10	11.2	10.3	10.8	8.8	8.0	8.4	8.2	7.6	7.9	4.2	3.4	4.0
11	11.1	9.8	10.6	8.8	8.2	8.5	8.2	7.9	8.1	3.5	2.8	3.1
12	11.3	10.0	10.8	8.6	7.5	8.0	7.9	7.0	7.4	3.7	2.8	3.3
13	11.7	10.1	11.1	8.8	8.3	8.6	8.1	7.0	7.5	4.4	3.7	4.0
14	11.7	10.5	11.3	8.8	8.3	8.5	8.3	7.8	8.2	4.2	3.6	3.8
15	11.9	10.8	11.4	8.7	8.3	8.4	7.8	6.6	7.0	4.1	3.8	3.9
16	12.1	11.6	11.9	9.2	8.7	8.9	6.7	5.9	6.3	5.6	4.1	5.0
17	11.8	10.8	11.5	8.8	7.7	8.2	7.4	6.4	6.8	6.0	5.5	5.7
18	10.8	9.2	9.8	8.4	7.7	8.1	7.4	6.7	7.0	6.9	5.8	6.6
19	10.3	9.2	9.6	8.0	7.0	7.6	7.3	6.9	7.1	7.5	6.7	7.0
20	10.5	9.8	10.1	7.0	5.3	6.1	7.0	6.1	6.6	7.5	6.9	7.2
21	10.4	9.7	10.1	5.3	4.4	4.8	6.1	5.2	5.4	7.3	6.6	6.9
22	9.7	9.0	9.2	6.2	4.4	5.3	6.2	5.3	5.7	7.4	6.5	6.9
23	9.6	9.1	9.4	7.5	6.2	6.9	6.2	5.2	5.5	7.5	6.8	7.2
24	9.1	8.5	8.8	8.5	7.5	8.1	5.3	4.4	4.7	7.3	6.2	6.7
25	8.6	7.5	8.0	8.7	8.1	8.4	5.7	4.4	4.9	7.3	6.0	6.6
26	9.0	8.3	8.6	8.1	7.5	7.7	6.1	5.7	5.9	8.1	7.2	7.6
27	9.0	8.4	8.8	7.5	6.4	7.1	5.9	5.5	5.7	8.1	7.5	7.8
28	9.0	8.7	8.9	6.4	5.5	5.9	6.0	5.3	5.6	7.6	6.9	7.2
29	9.4	8.7	9.0	5.5	4.7	5.0	6.2	5.9	6.1	7.3	6.5	6.8
30	9.4	8.4	8.9	5.9	5.1	5.4	6.0	5.7	5.9	6.5	5.5	6.0
31	8.6	7.6	8.2	---	---	---	6.0	5.2	5.5	6.3	5.6	6.0
MONTH	14.0	7.5	10.6	9.2	4.4	7.4	8.3	4.4	6.3	8.1	1.6	5.3
FEBRUARY			MARCH			APRIL			MAY			
1	6.2	4.6	5.2	7.8	6.3	7.1	7.8	6.7	7.3	11.4	9.3	10.6
2	5.3	4.3	4.8	8.3	7.4	7.7	7.8	6.1	6.9	12.4	9.8	10.9
3	5.5	4.4	5.0	7.6	6.2	7.0	7.2	6.8	7.0	13.2	9.6	11.5
4	5.9	5.2	5.5	8.3	6.8	7.4	7.7	6.3	7.0	12.6	10.8	11.8
5	6.3	5.6	5.9	7.9	6.3	7.1	8.2	6.2	7.1	11.8	10.7	11.2
6	5.9	5.2	5.4	8.4	6.5	7.3	9.6	7.3	8.4	11.2	10.2	10.6
7	5.2	4.3	4.7	9.6	7.4	8.2	8.9	6.9	7.9	10.8	9.5	10.1
8	4.8	3.7	4.2	10.0	7.9	8.6	7.6	6.0	6.8	11.1	9.5	10.3
9	4.8	3.9	4.4	10.1	8.1	8.8	7.9	6.7	7.3	10.5	9.2	9.7
10	4.8	3.6	4.2	10.3	7.9	8.8	8.2	6.5	7.3	9.2	8.3	8.6
11	4.7	3.7	4.4	11.0	8.4	9.4	8.3	7.1	7.7	9.9	8.2	8.9
12	5.1	4.4	4.7	11.3	8.7	9.6	7.1	6.1	6.6	11.8	8.9	10.2
13	5.9	5.1	5.4	10.0	7.5	8.5	7.3	5.5	6.3	12.1	9.5	10.8
14	5.1	4.0	4.6	9.5	6.8	7.8	7.6	5.4	6.4	13.0	10.4	11.7
15	4.4	2.9	3.7	9.0	6.3	7.5	7.5	5.8	6.7	12.6	11.1	11.6
16	4.3	3.1	3.9	7.7	7.0	7.4	7.6	6.9	7.3	11.1	9.8	10.4
17	4.3	3.0	3.8	8.2	6.5	7.3	7.0	6.4	6.7	9.8	8.7	9.2
18	5.1	3.9	4.5	7.9	7.1	7.4	8.2	6.1	6.9	10.6	8.9	9.6
19	5.4	4.7	5.0	8.7	7.3	7.8	9.5	6.4	7.7	9.7	8.7	9.2
20	6.4	5.4	5.9	7.8	7.2	7.5	10.1	6.8	8.4	10.0	8.7	9.2
21	6.3	4.8	5.6	7.5	6.6	7.1	10.7	7.9	9.2	9.3	8.3	8.8
22	6.0	4.8	5.6	7.1	6.3	6.7	10.9	8.0	9.5	10.6	8.6	9.5
23	5.8	4.3	5.3	6.8	6.1	6.4	9.9	8.1	8.7	11.4	8.3	9.8
24	5.9	4.7	5.5	6.3	5.8	6.1	9.1	7.3	8.2	12.3	8.2	10.3
25	6.4	5.4	5.9	6.8	5.3	6.1	9.6	8.1	8.7	13.7	9.3	11.5
26	7.3	6.2	6.6	6.9	6.3	6.6	11.8	7.9	9.7	15.4	11.2	13.3
27	6.9	5.9	6.4	7.2	6.9	7.1	12.4	8.7	10.6	16.4	12.2	14.4
28	7.4	6.6	7.1	6.9	6.4	6.6	11.9	9.8	10.9	15.9	13.2	14.1
29	---	---	---	6.8	5.8	6.3	11.3	9.1	9.7	13.6	12.0	12.6
30	---	---	---	7.2	6.1	6.6	11.7	8.7	10.1	13.2	11.4	12.1
31	---	---	---	8.7	6.0	7.3	---	---	---	12.4	11.6	11.9
MONTH	7.4	2.9	5.1	11.3	5.3	7.5	12.4	5.4	8.0	16.4	8.2	10.8

WILLAMETTE RIVER BASIN

14182500 LITTLE NORTH SANTIAM RIVER NEAR MEHAMA, OR—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	12.0	11.1	11.6	18.5	15.5	17.0	21.9	19.5	20.8	21.7	16.1	18.6
2	11.7	10.4	10.9	16.9	15.2	16.0	22.9	17.8	20.0	21.3	16.8	18.7
3	13.0	10.0	11.3	17.8	13.9	15.8	23.2	17.1	19.9	20.6	16.8	18.4
4	12.9	10.2	11.5	18.9	14.8	16.8	23.8	18.1	20.7	19.8	15.9	17.7
5	11.9	10.2	10.8	19.7	15.9	17.7	24.5	18.9	21.4	20.0	14.7	17.1
6	10.2	8.7	9.3	18.2	15.9	17.3	24.5	19.0	21.5	19.6	14.6	16.9
7	9.6	8.2	8.9	18.5	15.2	16.6	24.1	18.9	21.3	20.3	15.2	17.5
8	11.8	8.4	9.9	17.0	14.9	15.8	24.3	18.9	21.3	20.5	15.4	17.8
9	13.1	9.1	11.1	16.2	14.4	15.3	23.8	19.0	21.2	18.0	16.0	16.8
10	12.1	10.3	11.1	15.7	14.8	15.1	23.2	18.2	20.4	17.3	14.9	15.9
11	11.4	10.3	10.9	17.7	14.5	15.8	22.7	17.6	19.9	17.7	13.6	15.2
12	12.6	9.8	11.2	17.6	15.4	16.5	22.8	17.6	19.9	18.1	13.7	15.4
13	13.0	10.6	11.8	19.8	16.0	17.5	23.8	18.0	20.5	18.5	13.5	15.6
14	12.4	11.0	11.8	20.4	15.9	18.0	24.1	18.4	20.9	18.4	13.7	15.7
15	13.5	10.0	11.9	21.7	17.4	19.3	24.2	18.7	21.1	18.3	14.4	16.1
16	13.1	11.3	12.0	21.6	18.0	19.6	23.9	18.9	21.0	15.5	14.2	14.8
17	11.9	10.5	11.2	22.2	17.2	19.5	22.1	18.9	20.2	16.1	13.6	14.7
18	11.7	10.2	11.1	23.3	18.4	20.6	22.9	17.6	19.9	16.9	12.4	14.3
19	14.0	10.1	12.0	23.0	18.7	20.6	23.9	18.3	20.6	17.1	12.3	14.3
20	14.9	11.0	12.9	22.7	17.8	20.0	23.7	18.4	20.7	16.6	12.3	14.2
21	14.3	12.4	13.3	22.4	17.9	20.0	23.9	18.7	20.9	16.2	11.6	13.7
22	14.0	12.1	13.2	22.5	19.2	20.7	22.8	18.6	20.4	15.4	11.4	13.3
23	15.5	11.2	13.5	23.3	18.6	20.6	21.9	17.4	19.3	15.3	11.8	13.4
24	15.7	12.9	14.5	22.8	17.9	20.0	21.7	16.1	18.5	14.7	10.6	12.5
25	17.0	13.7	15.3	22.6	17.4	19.8	22.2	16.3	18.9	14.7	10.0	12.2
26	16.0	13.7	14.3	23.7	17.8	20.5	22.2	17.0	19.3	14.8	10.3	12.4
27	14.0	13.3	13.5	24.4	18.6	21.2	22.2	16.7	19.2	15.2	10.8	12.8
28	13.6	12.4	13.1	24.6	19.3	21.7	22.0	16.6	19.0	15.3	11.1	13.0
29	16.4	11.9	14.2	24.5	19.3	21.6	19.6	17.5	18.5	14.8	11.5	13.2
30	17.9	13.9	16.0	24.8	19.2	21.7	21.2	16.3	18.3	14.9	14.1	14.4
31	---	---	---	24.9	19.4	21.8	21.4	16.1	18.3	---	---	---
MONTH	17.9	8.2	12.1	24.9	13.9	18.7	24.5	16.1	20.1	21.7	10.0	15.2
YEAR	24.9	1.6	10.6									

WILLAMETTE RIVER BASIN

14182500 LITTLE NORTH SANTIAM RIVER NEAR MEHAMA, OR—Continued

TURBIDITY, WATER, MONOCHROME NEAR INFRA-RED LED LIGHT, 780-900 NM, DETECTION ANGLE 90 +/- 2.5 DEGREES, FNU
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	---	<1	---	3	<1	<1	3	<1	2	<1	<1	<1
2	<1	<1	<1	23	<1	2	2	<1	<1	<1	<1	<1
3	<1	<1	<1	11	1	3	3	<1	<1	1	<1	<1
4	<1	<1	<1	2	<1	<1	3	<1	<1	2	<1	<1
5	2	<1	<1	<1	<1	<1	3	<1	<1	<1	<1	<1
6	3	<1	2	<1	<1	<1	2	<1	<1	2	<1	<1
7	1	<1	<1	<1	<1	<1	5	<1	1	1	<1	<1
8	6	<1	<1	<1	<1	<1	79	2	37	2	<1	<1
9	16	<1	5	<1	<1	<1	70	10	17	1	<1	<1
10	2	<1	<1	<1	<1	<1	279	21	63	<1	<1	<1
11	<1	<1	<1	<1	<1	<1	63	16	29	<1	<1	<1
12	<1	<1	<1	<1	<1	<1	25	7	13	<1	<1	<1
13	<1	<1	<1	<1	<1	<1	8	3	5	3	<1	<1
14	<1	<1	<1	<1	<1	<1	6	3	4	7	<1	<1
15	<1	<1	<1	2	<1	<1	10	2	2	1	<1	<1
16	<1	<1	<1	<1	<1	<1	3	1	2	2	<1	<1
17	<1	<1	<1	<1	<1	<1	2	<1	1	67	<1	1
18	8	<1	2	<1	<1	<1	2	<1	<1	185	24	56
19	4	<1	<1	3	<1	<1	2	<1	<1	24	5	10
20	<1	<1	<1	<1	<1	<1	1	<1	<1	5	2	3
21	<1	<1	<1	<1	<1	<1	1	<1	<1	4	<1	2
22	<1	<1	<1	<1	<1	<1	3	<1	<1	2	<1	<1
23	1	<1	<1	<1	<1	<1	1	<1	<1	1	<1	<1
24	1	<1	<1	6	<1	3	<1	<1	<1	2	<1	<1
25	1	<1	<1	30	2	6	<1	<1	<1	1	<1	<1
26	<1	<1	<1	5	<1	2	3	<1	1	1	<1	<1
27	4	<1	<1	2	<1	<1	<1	<1	<1	<1	<1	<1
28	<1	<1	<1	2	<1	<1	<1	<1	<1	<1	<1	<1
29	<1	<1	<1	<1	<1	<1	1	<1	<1	5	<1	2
30	5	<1	<1	6	<1	<1	<1	<1	<1	2	<1	<1
31	2	<1	<1	---	---	---	<1	<1	<1	<1	<1	<1
MAX	16	<1	5	30	2	6	279	21	63	185	24	56
MIN	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
FEBRUARY			MARCH			APRIL			MAY			
1	<1	<1	<1	<1	<1	<1	5	1	3	<1	<1	<1
2	2	<1	<1	<1	<1	<1	5	<1	2	1	<1	<1
3	<1	<1	<1	<1	<1	<1	3	<1	1	1	<1	<1
4	3	<1	<1	<1	<1	<1	8	<1	1	<1	<1	<1
5	1	<1	<1	<1	<1	<1	3	<1	<1	2	<1	<1
6	1	<1	<1	2	<1	<1	1	<1	<1	2	<1	<1
7	2	<1	<1	<1	<1	<1	10	<1	1	4	<1	1
8	3	<1	<1	2	<1	<1	10	1	2	2	<1	<1
9	<1	<1	<1	<1	<1	<1	3	<1	1	6	<1	1
10	<1	<1	<1	<1	<1	<1	2	<1	<1	18	4	8
11	<1	<1	<1	<1	<1	<1	3	1	2	6	1	2
12	<1	<1	<1	<1	<1	<1	2	<1	1	4	<1	1
13	1	<1	<1	<1	<1	<1	11	<1	1	4	<1	<1
14	<1	<1	<1	<1	<1	<1	4	<1	2	3	<1	<1
15	1	<1	<1	<1	<1	<1	4	<1	1	1	<1	<1
16	<1	<1	<1	2	<1	<1	20	2	6	9	<1	2
17	2	<1	<1	2	<1	<1	10	3	5	9	<1	1
18	<1	<1	<1	<1	<1	<1	8	2	3	9	<1	3
19	<1	<1	<1	6	<1	<1	3	<1	1	21	2	4
20	1	<1	<1	7	<1	<1	2	<1	1	19	1	2
21	<1	<1	<1	1	<1	<1	2	<1	<1	6	1	2
22	5	<1	<1	<1	<1	<1	3	<1	<1	4	<1	2
23	10	<1	<1	1	<1	<1	4	<1	2	2	<1	<1
24	1	<1	<1	1	<1	<1	2	<1	<1	4	<1	<1
25	2	<1	<1	1	<1	<1	2	<1	<1	2	<1	<1
26	<1	<1	<1	70	<1	1	1	<1	<1	2	<1	<1
27	1	<1	<1	95	30	46	2	<1	<1	1	<1	<1
28	1	<1	<1	33	8	16	1	<1	<1	2	<1	<1
29	---	---	---	10	6	8	1	<1	<1	1	<1	<1
30	---	---	---	7	3	4	<1	<1	<1	1	<1	<1
31	---	---	---	5	2	2	---	---	---	2	<1	<1
MAX	10	<1	<1	95	30	46	20	3	6	21	4	8
MIN	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

WILLAMETTE RIVER BASIN

14182500 LITTLE NORTH SANTIAM RIVER NEAR MEHAMA, OR—Continued

TURBIDITY, WATER, MONOCHROME NEAR INFRA-RED LED LIGHT, 780-900 NM, DETECTION ANGLE 90 +/- 2.5 DEGREES, FNU—
CONTINUED

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	7	<1	2	1	<1	<1	1	<1	<1	<1	<1	<1
2	8	<1	1	2	<1	<1	<1	<1	<1	<1	<1	<1
3	1	<1	<1	5	<1	<1	<1	<1	<1	8	<1	<1
4	2	<1	<1	1	<1	<1	<1	<1	<1	<1	<1	<1
5	2	<1	<1	2	<1	<1	<1	<1	<1	<1	<1	<1
6	8	2	4	2	<1	<1	<1	<1	<1	<1	<1	<1
7	13	3	6	3	<1	<1	1	<1	<1	<1	<1	<1
8	7	1	2	1	<1	<1	2	<1	<1	<1	<1	<1
9	3	<1	<1	2	<1	<1	<1	<1	<1	1	<1	<1
10	2	<1	<1	1	<1	<1	5	<1	<1	2	<1	<1
11	1	<1	<1	<1	<1	<1	<1	<1	<1	2	<1	<1
12	4	<1	<1	2	<1	<1	<1	<1	<1	<1	<1	<1
13	<1	<1	<1	<1	<1	<1	1	<1	<1	<1	<1	<1
14	<1	<1	<1	1	<1	<1	1	<1	<1	<1	<1	<1
15	2	<1	<1	<1	<1	<1	3	<1	<1	<1	<1	<1
16	1	<1	<1	<1	<1	<1	<1	<1	<1	2	<1	<1
17	1	<1	<1	1	<1	<1	<1	<1	<1	<1	<1	<1
18	2	<1	<1	<1	<1	<1	2	<1	<1	<1	<1	<1
19	3	<1	<1	3	<1	<1	<1	<1	<1	<1	<1	<1
20	5	<1	<1	4	<1	<1	1	<1	<1	<1	<1	<1
21	3	<1	<1	8	<1	<1	2	<1	<1	<1	<1	<1
22	5	<1	<1	1	<1	<1	<1	<1	<1	1	<1	<1
23	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
24	<1	<1	<1	2	<1	<1	<1	<1	<1	<1	<1	<1
25	1	<1	<1	2	<1	<1	1	<1	<1	<1	<1	<1
26	2	<1	<1	<1	<1	<1	6	<1	<1	7	<1	<1
27	2	<1	<1	<1	<1	<1	3	<1	<1	<1	<1	<1
28	4	<1	<1	4	<1	<1	<1	<1	<1	1	<1	<1
29	4	<1	<1	<1	<1	<1	2	<1	<1	<1	<1	<1
30	<1	<1	<1	1	<1	<1	2	<1	<1	3	<1	<1
31	---	---	---	1	<1	<1	<1	<1	<1	---	---	---
MAX	13	3	6	8	<1	<1	6	<1	<1	8	<1	<1
MIN	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1