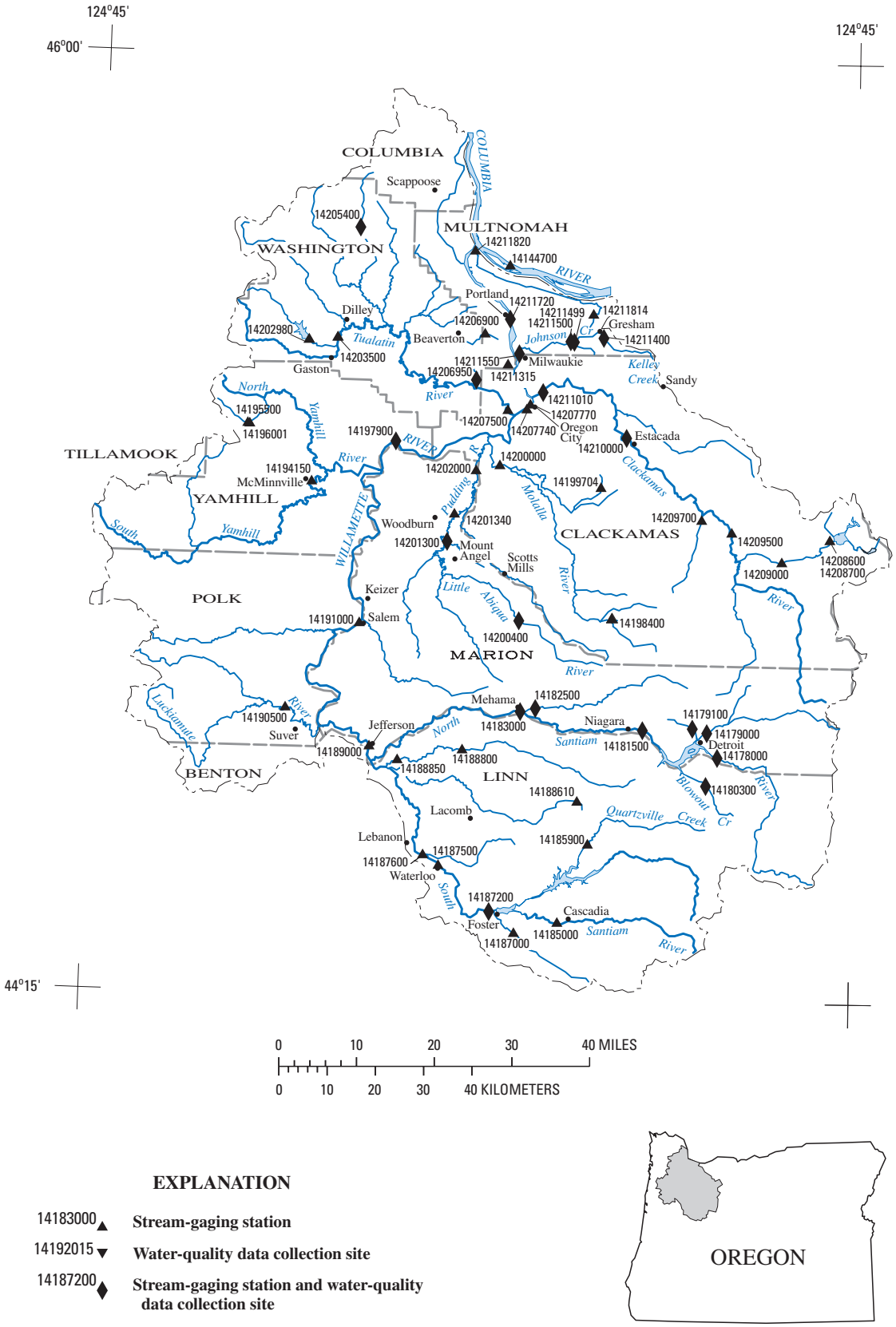


Figure 25. Location of surface-water and water-quality stations in the Willamette River Basin, downstream from the Luckiamute River.

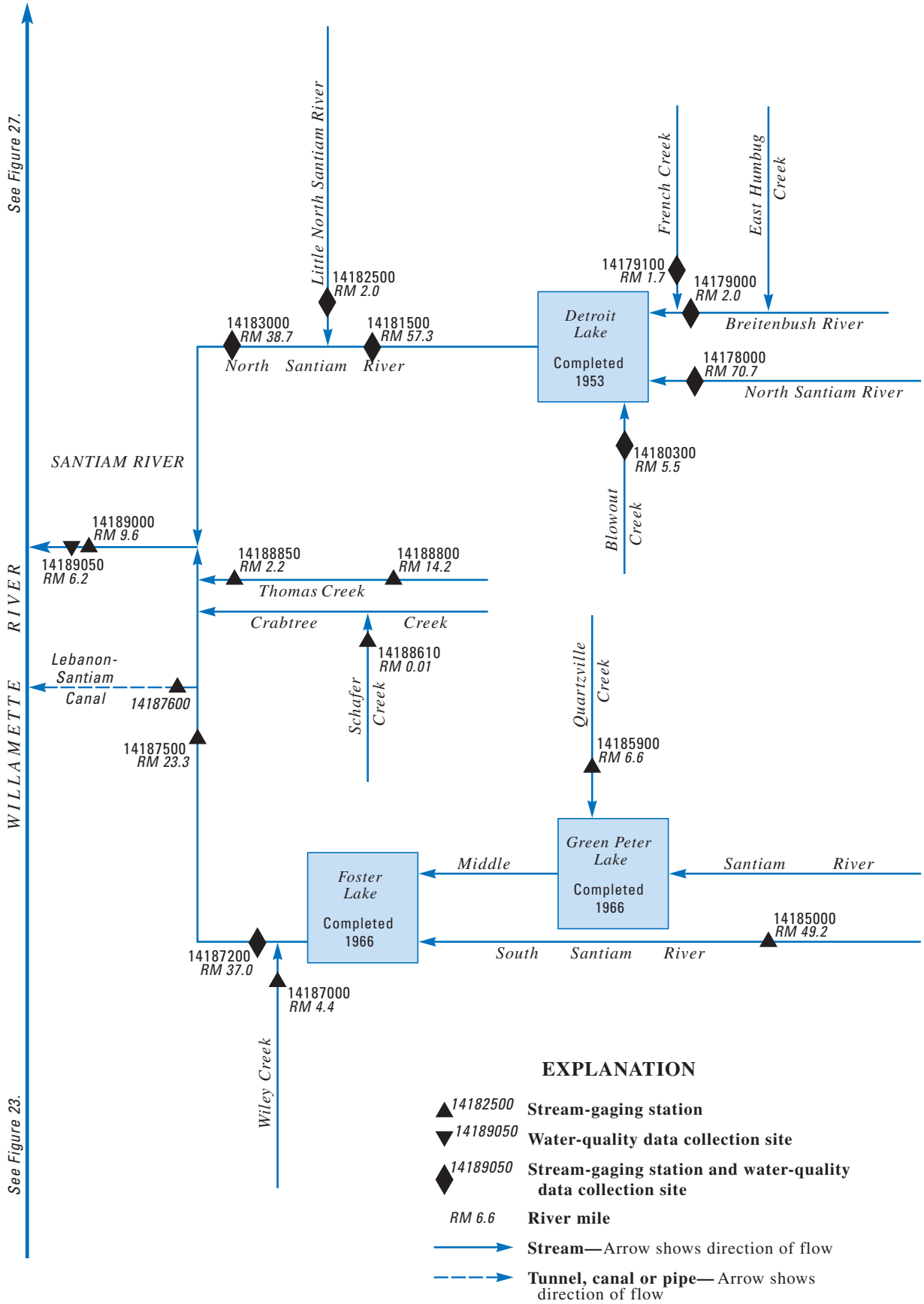


Figure 26. Schematic diagram showing gaging stations and diversions in the Santiam River Basin.

14178000 NORTH SANTIAM RIVER BELOW BOULDER CREEK, NEAR DETROIT, OR

LOCATION.--Lat 44°42'25", long 122°06'00", in SE ¼ NW ¼ sec.17, T.10 S., R.6 E., Marion County, Hydrologic Unit 17090005, on right bank 0.5 mi downstream from Boulder Creek, 3.0 mi southeast of Detroit and at mile 70.7.

DRAINAGE AREA.--216 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--January 1907 to October 1909, October 1928 to current year. Monthly discharge only January 1907, published in WSP 1318. Prior to October 1952, published as "at Detroit."

REVISED RECORDS.--WSP 814: Drainage area at former site. WSP 1248: 1931. WDR OR-85-2: 1982-82(P).

GAGE.--Water-stage recorder. Datum of gage is 1,590.07 ft above NGVD of 1929. See WSP 1738 for history of changes prior to Oct. 1, 1952.

REMARKS.--No estimated daily discharges. Records good. No regulation or diversion upstream from station. Continuous water-quality records for the period April 1951 to September 1987 and October 1998 to current year have been collected at this location.

AVERAGE DISCHARGE.--79 years (water years 1908, 1909, 1929-2005), 1,001 ft^3/s, 62.99 in/yr, 725,400 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 26,700 ft^3/s Dec. 22, 1964, on basis of slope-area measurement of peak flow, gage height, 13.76 ft, temporary backwater from debris; minimum discharge, 250 ft^3/s Sept. 13, 1909.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,700 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar 27	1730	*4,880	*6.43	No other peak greater than base discharge.			

Minimum discharge, 311 ft^3/s, Sept. 28, gage height, 2.68 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	417	600	526	630	697	575	1,530	997	865	572	418	349
2	410	782	509	605	673	567	1,450	1,000	849	555	410	350
3	406	1,020	498	585	653	563	1,380	934	783	545	405	347
4	402	839	493	567	654	551	1,350	961	743	536	404	343
5	398	745	491	548	668	546	1,230	973	749	532	408	341
6	427	679	502	549	644	536	1,210	1,250	793	551	406	341
7	426	635	553	551	630	532	1,310	1,170	795	542	400	342
8	415	598	1,170	549	609	530	1,330	1,140	764	524	395	340
9	494	568	1,960	545	595	524	1,290	1,400	727	534	393	341
10	447	545	2,760	530	582	519	1,180	1,550	706	518	390	371
11	422	527	3,070	516	574	516	1,330	1,530	714	517	385	357
12	411	509	2,420	512	578	512	1,250	1,370	719	510	384	344
13	405	495	1,770	509	610	501	1,150	1,230	694	494	385	339
14	399	482	1,960	497	580	489	1,080	1,160	675	483	380	335
15	393	474	1,720	514	561	482	1,020	1,210	653	484	375	332
16	389	471	1,410	574	552	481	1,120	1,380	672	490	376	335
17	429	459	1,210	632	546	538	1,280	1,300	814	474	376	336
18	610	483	1,090	1,720	540	515	1,190	1,410	757	464	372	332
19	643	476	1,020	1,610	555	613	1,110	1,590	722	464	369	329
20	559	458	945	1,310	625	687	1,060	1,540	701	457	371	327
21	549	447	876	1,140	600	677	1,030	1,520	688	454	373	327
22	572	441	830	1,020	589	651	1,010	1,410	668	466	370	323
23	626	437	782	942	576	658	1,180	1,250	643	452	363	322
24	637	487	740	880	571	665	1,230	1,140	624	439	357	320
25	600	670	717	835	564	641	1,160	1,050	611	431	354	319
26	578	640	715	817	558	855	1,090	987	598	428	357	318
27	552	590	686	827	552	3,770	1,050	942	603	426	355	318
28	528	558	658	778	575	3,320	1,040	909	637	428	354	317
29	522	533	661	792	---	2,430	1,030	880	602	426	364	317
30	570	526	653	750	---	1,900	976	837	581	421	353	339
31	628	---	634	720	---	1,580	---	812	---	421	350	---
TOTAL	15,264	17,174	34,029	23,554	16,711	27,924	35,646	36,832	21,150	15,038	11,752	10,051
MEAN	492	572	1,098	760	597	901	1,188	1,188	705	485	379	335
MAX	643	1,020	3,070	1,720	697	3,770	1,530	1,590	865	572	418	371
MIN	389	437	491	497	540	481	976	812	581	421	350	317
AC-FT	30,280	34,060	67,500	46,720	33,150	55,390	70,700	73,060	41,950	29,830	23,310	19,940
CFSM	2.28	2.65	5.08	3.52	2.76	4.17	5.50	5.50	3.26	2.25	1.76	1.55
IN.	2.63	2.96	5.86	4.06	2.88	4.81	6.14	6.34	3.64	2.59	2.02	1.73

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1908 - 2005, BY WATER YEAR (WY)

MEAN	505	970	1,370	1,322	1,291	1,200	1,360	1,409	1,080	623	472	434
MAX	1,215	2,167	3,840	2,991	3,552	2,865	2,241	2,762	2,759	1,101	723	595
(WY)	(1951)	(1951)	(1965)	(1953)	(1996)	(1972)	(2002)	(1949)	(1933)	(1950)	(1999)	(1971)
MIN	312	335	432	383	404	616	610	600	412	363	319	302
(WY)	(1981)	(1994)	(1977)	(1937)	(1977)	(1941)	(1941)	(1992)	(1992)	(1992)	(1992)	(2001)

14178000 NORTH SANTIAM RIVER BELOW BOULDER CREEK, NEAR DETROIT, OR—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1908 - 2005	
ANNUAL TOTAL	330,766		265,125			
ANNUAL MEAN	904		726		1,001	
HIGHEST ANNUAL MEAN					1,506	1974
LOWEST ANNUAL MEAN					569	1977
HIGHEST DAILY MEAN	4,290	Jan 30	3,770	Mar 27	19,400	Dec 22, 1964
LOWEST DAILY MEAN	389	Oct 16	317	Sep 28	250	Sep 13, 1909
ANNUAL SEVEN-DAY MINIMUM	407	Oct 11	319	Sep 23	273	Sep 7, 1909
ANNUAL RUNOFF (AC-FT)	656,100		525,900		725,400	
ANNUAL RUNOFF (CFSM)	4.18		3.36		4.64	
ANNUAL RUNOFF (INCHES)	56.97		45.66		62.99	
10 PERCENT EXCEEDS	1,410		1,260		1,790	
50 PERCENT EXCEEDS	782		575		782	
90 PERCENT EXCEEDS	434		361		400	

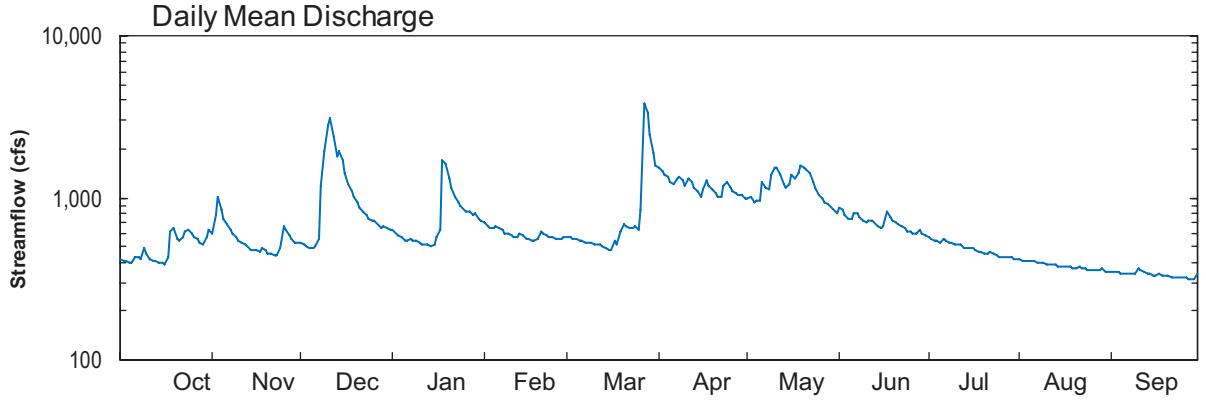
2005 Water Year

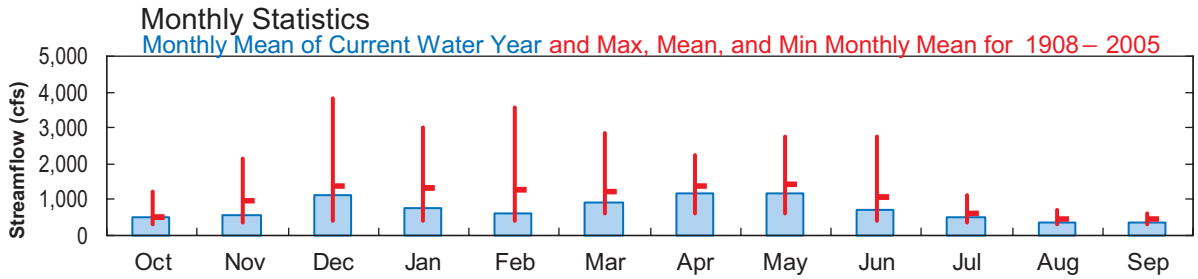
SANTIAM RIVER BASIN

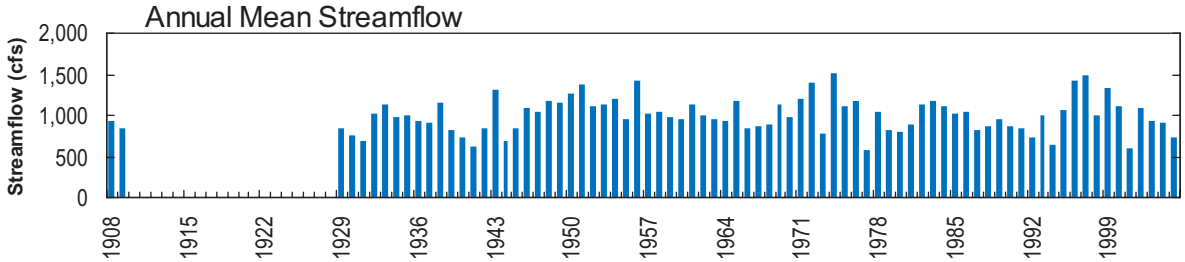
14178000 NO SANTIAM R BLW BOULDER CRK, NR DETROIT, OR

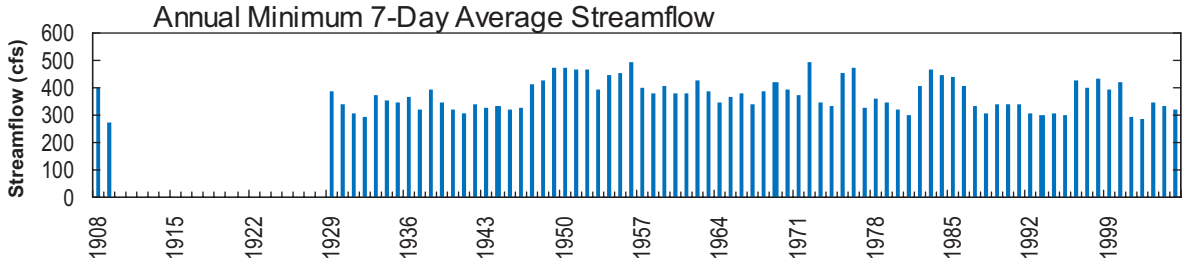
Latitude: 44° 42 ' 25" Longitude: 122° 06 ' 00" Hydrologic Unit Code: 17090005

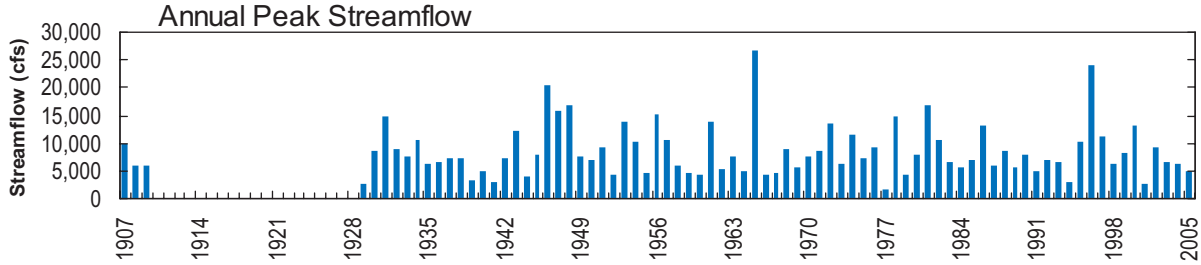
Marion County Datum: 1590.07 feet Drainage Area: 216 mi²











WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1998 to current year.
pH: October 1998 to current year.
WATER TEMPERATURE: April 1951 to September 1987, October 1998 to current year.
TURBIDITY: October 1998 to current year.

INSTRUMENTATION.--Water-quality monitor.

REMARKS.--
SPECIFIC CONDUCTANCE: Records excellent except those for the periods Oct. 1-10, Oct. 28 to Nov. 9, Dec. 1-6, Aug. 15-24, Sept. 28-30, which are good, and those for the period Oct. 11-13, which are fair.
pH: Records excellent except those for the period Nov. 23 to Dec. 7, which are good.
WATER TEMPERATURE: Records excellent.
TURBIDITY: Records excellent except those for the periods Mar. 27, 28, July 16, 19, 23, Aug. 22 to Sept. 30, 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 DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum recorded, 55 microsiemens Oct. 25, 2003; minimum recorded, 18 microsiemens Apr. 14, 2002.
pH: Maximum recorded, 8.4 units Sept. 16, 1999, Sept. 15, 2002; minimum recorded, 6.8 units Mar. 28, Apr. 30, May 1, 2001.
WATER TEMPERATURE: Maximum recorded, 19.0°C July 18, 19, 1970; minimum recorded, 0.0°C several days in Jan. 1974, Jan., Feb. 1979, Jan. 1980, Dec. 1998.
TURBIDITY: Maximum recorded, 1,770 FNU Oct. l, 2000, but may have been higher when upper sensor range was exceeded; minimum <1 FNU many days each year.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 52 microsiemens many days in October, August, and September; minimum recorded, 30 microsiemens Dec. 11.
pH: Maximum, 8.1 units many days in Oct. July 27, 28, Sept. 3; minimum, 7.2 units Dec. 10-12, Jan. 18, 19, Mar. 27, 28.
WATER TEMPERATURE: Maximum, 16.9°C July 18, 28; minimum, 0.5°C Jan. 5.
TURBIDITY: Maximum, 70 FNU Mar. 27; minimum, <1 FNU many days during year.

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

Date	Time	Instan- taneous dis- charge, cfs (00061)	Suspnd. sedi- ment, sieve diametr percent <.063mm (70331)	Sus- pended sedi- ment concen- tration mg/L (80154)	Sus- pended sedi- ment dis- charge, tons/d (80155)
DEC					
08...	2032	1,690	--	54	246
08...	2102	1,690	--	55	251
10...	0202	2,680	--	75	543
10...	0402	2,820	--	74	563
10...	0602	2,960	--	77	615
10...	0802	2,960	--	62	496
FEB					
03...	1005	650	--	14	25
MAR					
27...	1202	4,180	--	169	1,910
27...	1402	4,530	--	202	2,470
JUL					
07...	0502	561	--	52	79
07...	0702	555	--	42	63
07...	1014	549	84	27	40

14178000 NORTH SANTIAM RIVER BELOW BOULDER CREEK, NEAR DETROIT, 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	50	49	50	44	43	44	45	44	44	45	43	43
2	52	49	49	44	39	42	45	44	44	44	43	43
3	50	50	50	40	38	39	45	44	45	43	43	43
4	51	49	50	41	40	40	45	44	45	43	42	42
5	50	49	49	46	41	43	45	44	45	43	42	43
6	50	49	49	46	44	45	45	44	44	43	42	43
7	49	48	49	45	43	44	48	43	44	43	42	43
8	49	47	48	45	43	44	44	38	41	43	42	43
9	48	47	47	45	44	44	39	34	36	43	43	43
10	48	46	47	45	44	45	34	31	32	43	43	43
11	48	47	47	45	45	45	32	30	31	44	43	43
12	49	48	48	46	44	45	33	31	32	44	43	43
13	48	48	48	45	45	45	35	33	34	44	43	44
14	48	47	48	46	45	45	35	32	34	44	44	44
15	48	47	47	46	45	46	35	33	34	44	43	44
16	48	47	47	46	46	46	36	35	35	43	43	43
17	48	46	47	47	46	46	37	36	36	43	41	43
18	47	45	46	47	45	46	38	36	37	41	32	35
19	46	45	45	46	45	45	38	37	37	35	32	33
20	46	45	46	46	45	46	38	37	38	36	35	36
21	46	46	46	46	46	46	39	38	38	37	36	37
22	46	45	46	47	46	46	39	39	39	38	37	38
23	46	44	45	47	46	47	40	39	40	39	38	39
24	44	44	44	47	45	46	41	40	40	39	38	38
25	45	44	44	45	42	43	41	41	41	40	39	39
26	45	44	45	44	43	43	41	41	41	40	39	40
27	45	45	45	44	43	44	42	41	41	40	40	40
28	45	44	45	45	44	44	42	42	42	40	40	40
29	45	44	44	45	44	45	42	42	42	41	40	40
30	45	43	44	45	44	45	42	42	42	42	41	41
31	44	43	43	---	---	---	43	42	43	42	42	42
MONTH	52	43	47	47	38	44	48	30	39	45	32	41
		FEBRUARY			MARCH			APRIL			MAY	
1	42	41	42	46	45	46	38	37	38	40	39	40
2	42	41	42	46	46	46	38	37	38	40	39	39
3	42	42	42	46	46	46	40	38	38	41	40	40
4	42	42	42	46	46	46	39	38	38	41	40	40
5	42	42	42	47	46	47	39	39	39	42	38	41
6	42	42	42	47	47	47	39	38	39	38	36	37
7	43	42	43	47	47	47	38	37	38	38	36	37
8	43	43	43	47	47	47	37	37	37	39	37	38
9	44	43	43	48	47	47	38	37	37	38	36	36
10	44	44	44	48	47	48	38	38	38	38	36	36
11	44	43	43	48	48	48	38	36	37	37	36	36
12	43	42	43	48	48	48	38	37	37	38	36	37
13	43	42	43	48	48	48	38	37	38	38	37	37
14	44	43	43	49	48	49	39	38	38	39	38	38
15	44	44	44	49	49	49	39	39	39	39	37	38
16	47	44	44	49	48	49	39	37	39	39	36	36
17	45	44	45	49	48	48	37	37	37	39	36	37
18	45	45	45	49	48	49	38	37	38	38	37	37
19	45	44	45	48	47	48	39	38	38	37	36	36
20	44	44	44	47	47	47	40	39	39	38	36	37
21	45	44	45	47	46	47	40	39	39	37	37	37
22	45	45	45	47	47	47	39	39	39	38	37	38
23	45	45	45	47	47	47	39	36	38	39	38	39
24	45	45	45	47	47	47	37	36	37	42	39	40
25	45	45	45	48	47	48	38	37	37	42	40	40
26	46	45	46	48	41	47	39	38	38	41	40	41
27	46	46	46	41	31	34	40	38	39	42	41	41
28	46	45	45	34	31	33	39	38	39	43	42	42
29	---	---	---	36	33	34	39	39	39	42	41	41
30	---	---	---	37	36	37	40	39	40	44	42	42
31	---	---	---	39	37	38	---	---	---	43	42	42
MONTH	47	41	44	49	31	45	40	36	38	44	36	39

14178000 NORTH SANTIAM RIVER BELOW BOULDER CREEK, NEAR DETROIT, 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	42	41	42	47	46	46	50	49	49	52	50	51
2	43	42	42	47	46	46	51	50	50	52	51	51
3	44	43	43	47	46	47	51	50	51	52	51	51
4	44	42	43	47	46	47	52	50	50	52	50	51
5	44	42	43	47	46	47	51	50	51	51	50	50
6	42	42	42	48	45	46	52	50	51	51	50	51
7	43	42	42	47	45	46	52	50	51	51	51	51
8	44	43	43	47	46	47	52	51	52	52	50	51
9	44	43	43	47	47	47	52	50	51	51	49	50
10	45	43	44	48	46	47	52	50	51	50	49	50
11	43	43	43	48	47	47	52	50	51	51	50	50
12	43	43	43	47	47	47	52	51	51	51	49	50
13	45	43	44	48	47	47	52	50	51	50	49	50
14	45	44	44	48	47	48	52	50	50	50	50	50
15	47	44	45	48	47	48	51	50	50	51	50	50
16	45	43	45	48	47	48	51	50	50	51	49	50
17	44	43	44	48	46	47	51	50	50	50	49	50
18	45	44	44	48	47	47	52	50	51	51	50	50
19	44	44	44	49	47	48	52	50	50	51	50	51
20	45	44	45	48	47	48	51	49	50	52	50	51
21	45	45	45	49	48	48	50	49	50	51	50	50
22	46	45	45	49	48	48	50	49	50	51	50	51
23	47	45	45	49	47	48	51	49	50	51	51	51
24	46	46	46	49	47	48	51	50	50	51	50	50
25	47	46	46	49	48	48	50	49	50	51	50	50
26	47	46	46	49	48	49	51	50	50	51	50	50
27	47	46	46	49	48	48	51	50	51	51	50	51
28	47	46	46	49	48	49	52	50	50	51	50	50
29	47	46	47	50	48	49	51	50	50	51	50	50
30	48	46	47	50	48	49	51	50	51	52	49	51
31	---	---	---	50	48	49	52	51	51	---	---	---
MONTH	48	41	44	50	45	48	52	49	50	52	49	50
YEAR	52	30	44									

14178000 NORTH SANTIAM RIVER BELOW BOULDER CREEK, NEAR DETROIT, 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	7.9	7.6	7.6	7.7	7.5	7.5	7.6	7.3	7.3	7.5	7.4	7.4
2	7.9	7.6	7.6	7.6	7.5	7.5	7.6	7.3	7.3	7.5	7.4	7.4
3	7.9	7.6	7.6	7.6	7.5	7.5	7.6	7.3	7.3	7.5	7.4	7.4
4	7.9	7.6	7.6	7.6	7.5	7.5	7.6	7.3	7.3	7.5	7.4	7.4
5	7.9	7.6	7.6	7.6	7.5	7.5	7.6	7.3	7.3	7.5	7.4	7.4
6	8.0	7.5	7.6	7.7	7.5	7.5	7.5	7.3	7.3	7.5	7.4	7.4
7	7.9	7.6	7.6	7.7	7.5	7.5	7.7	7.3	7.5	7.5	7.4	7.4
8	7.9	7.5	7.6	7.7	7.5	7.5	7.5	7.3	7.4	7.6	7.4	7.5
9	7.9	7.6	7.6	7.7	7.5	7.5	7.4	7.3	7.3	7.5	7.4	7.4
10	7.9	7.6	7.6	7.8	7.5	7.5	7.3	7.2	7.2	7.6	7.4	7.4
11	7.8	7.6	7.6	7.8	7.5	7.5	7.3	7.2	7.2	7.5	7.4	7.4
12	7.9	7.6	7.6	7.7	7.5	7.5	7.4	7.2	7.3	7.5	7.4	7.4
13	7.9	7.6	7.6	7.7	7.5	7.5	7.5	7.3	7.3	7.6	7.4	7.4
14	7.9	7.6	7.6	7.8	7.5	7.5	7.4	7.3	7.3	7.5	7.4	7.4
15	7.9	7.6	7.6	7.7	7.4	7.5	7.4	7.3	7.3	7.5	7.4	7.4
16	7.9	7.6	7.6	7.8	7.4	7.5	7.4	7.3	7.4	7.5	7.4	7.4
17	7.9	7.6	7.7	7.7	7.5	7.5	7.5	7.3	7.4	7.5	7.3	7.4
18	7.8	7.6	7.6	7.7	7.5	7.5	7.5	7.3	7.4	7.3	7.2	7.2
19	7.8	7.6	7.6	7.7	7.5	7.5	7.5	7.3	7.4	7.4	7.2	7.3
20	7.8	7.5	7.6	7.7	7.4	7.5	7.5	7.4	7.4	7.5	7.3	7.4
21	7.8	7.6	7.6	7.6	7.4	7.4	7.5	7.4	7.4	7.5	7.4	7.4
22	7.7	7.5	7.6	7.7	7.4	7.4	7.5	7.4	7.4	7.5	7.4	7.4
23	7.8	7.5	7.6	7.7	7.4	7.4	7.5	7.4	7.4	7.5	7.4	7.4
24	7.8	7.5	7.6	7.7	7.3	7.4	7.5	7.4	7.4	7.5	7.4	7.4
25	7.8	7.6	7.6	7.6	7.3	7.4	7.6	7.4	7.4	7.6	7.4	7.4
26	7.8	7.5	7.6	7.6	7.3	7.4	7.6	7.4	7.5	7.6	7.4	7.4
27	7.8	7.5	7.6	7.6	7.3	7.4	7.6	7.4	7.5	7.6	7.4	7.5
28	7.7	7.6	7.6	7.6	7.3	7.4	7.6	7.4	7.4	7.6	7.4	7.5
29	7.8	7.6	7.6	7.5	7.3	7.3	7.5	7.4	7.4	7.6	7.4	7.5
30	7.8	7.5	7.6	7.6	7.3	7.3	7.6	7.4	7.5	7.6	7.4	7.5
31	7.7	7.5	7.6	---	---	---	7.6	7.4	7.4	7.6	7.4	7.5
MAX	8.0	7.6	7.7	7.8	7.5	7.5	7.7	7.4	7.5	7.6	7.4	7.5
MIN	7.7	7.5	7.6	7.5	7.3	7.3	7.3	7.2	7.2	7.3	7.2	7.2
	FEBRUARY			MARCH			APRIL			MAY		
1	7.6	7.4	7.5	7.7	7.5	7.5	7.5	7.4	7.4	7.7	7.5	7.6
2	7.6	7.4	7.5	7.7	7.5	7.5	7.5	7.4	7.5	7.7	7.5	7.5
3	7.6	7.4	7.5	7.7	7.5	7.5	7.5	7.4	7.5	7.7	7.5	7.5
4	7.6	7.4	7.5	7.7	7.5	7.5	7.5	7.4	7.5	7.7	7.5	7.6
5	7.6	7.5	7.5	7.7	7.5	7.5	7.6	7.4	7.5	7.7	7.5	7.5
6	7.6	7.5	7.5	7.7	7.5	7.5	7.7	7.4	7.5	7.6	7.5	7.5
7	7.6	7.5	7.5	7.7	7.5	7.5	7.6	7.5	7.5	7.7	7.5	7.5
8	7.6	7.5	7.5	7.7	7.5	7.5	7.6	7.5	7.5	7.7	7.5	7.6
9	7.6	7.5	7.5	7.7	7.5	7.5	7.6	7.5	7.5	7.6	7.5	7.5
10	7.6	7.5	7.5	7.7	7.5	7.5	7.6	7.5	7.5	7.6	7.5	7.5
11	7.6	7.5	7.5	7.7	7.5	7.5	7.6	7.5	7.5	7.6	7.5	7.5
12	7.6	7.5	7.5	7.7	7.5	7.5	7.6	7.5	7.5	7.7	7.5	7.5
13	7.6	7.5	7.5	7.7	7.5	7.5	7.6	7.5	7.5	7.7	7.5	7.5
14	7.6	7.5	7.5	7.7	7.5	7.5	7.6	7.5	7.5	7.7	7.4	7.5
15	7.6	7.5	7.5	7.7	7.5	7.5	7.6	7.5	7.5	7.6	7.5	7.5
16	7.6	7.5	7.5	7.7	7.5	7.5	7.6	7.5	7.5	7.6	7.5	7.6
17	7.6	7.5	7.5	7.7	7.5	7.5	7.6	7.5	7.5	7.7	7.5	7.6
18	7.7	7.5	7.5	7.7	7.5	7.5	7.6	7.5	7.5	7.7	7.5	7.5
19	7.6	7.5	7.5	7.6	7.4	7.5	7.6	7.5	7.5	7.6	7.5	7.5
20	7.7	7.5	7.5	7.6	7.5	7.5	7.6	7.5	7.5	7.6	7.5	7.5
21	7.7	7.5	7.5	7.6	7.4	7.5	7.6	7.5	7.5	7.6	7.5	7.6
22	7.6	7.5	7.5	7.6	7.4	7.5	7.7	7.5	7.5	7.7	7.5	7.6
23	7.6	7.5	7.5	7.6	7.5	7.5	7.6	7.5	7.5	7.7	7.5	7.6
24	7.6	7.5	7.5	7.6	7.5	7.5	7.6	7.5	7.5	7.7	7.5	7.6
25	7.7	7.5	7.5	7.6	7.5	7.5	7.6	7.4	7.5	7.7	7.5	7.6
26	7.7	7.5	7.5	7.6	7.4	7.5	7.6	7.5	7.5	7.7	7.5	7.6
27	7.7	7.5	7.5	7.4	7.2	7.3	7.7	7.5	7.5	7.7	7.5	7.5
28	7.7	7.5	7.5	7.4	7.2	7.3	7.7	7.5	7.6	7.8	7.5	7.6
29	---	---	---	7.4	7.3	7.4	7.6	7.5	7.6	7.7	7.5	7.6
30	---	---	---	7.5	7.4	7.4	7.7	7.5	7.6	7.8	7.5	7.6
31	---	---	---	7.5	7.4	7.4	---	---	---	7.7	7.5	7.6
MAX	7.7	7.5	7.5	7.7	7.5	7.5	7.7	7.5	7.6	7.8	7.5	7.6
MIN	7.6	7.4	7.5	7.4	7.2	7.3	7.5	7.4	7.4	7.6	7.4	7.5

14178000 NORTH SANTIAM RIVER BELOW BOULDER CREEK, NEAR DETROIT, 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	7.7	7.5	7.6	7.8	7.5	7.7	8.0	7.5	7.6	8.0	7.6	7.6
2	7.7	7.5	7.6	7.8	7.5	7.6	8.0	7.5	7.6	8.0	7.6	7.7
3	7.7	7.5	7.6	7.8	7.6	7.7	7.9	7.5	7.6	8.1	7.6	7.7
4	7.7	7.5	7.6	7.8	7.5	7.6	7.9	7.5	7.6	8.0	7.6	7.7
5	7.7	7.5	7.6	7.8	7.5	7.6	7.9	7.5	7.6	8.0	7.6	7.7
6	7.7	7.5	7.6	7.8	7.5	7.6	7.9	7.5	7.6	8.0	7.6	7.7
7	7.7	7.5	7.6	7.9	7.6	7.6	7.8	7.5	7.6	7.9	7.6	7.7
8	7.7	7.5	7.6	7.8	7.6	7.6	7.8	7.5	7.6	7.9	7.6	7.7
9	7.7	7.5	7.6	7.9	7.6	7.7	8.0	7.5	7.7	8.0	7.6	7.7
10	7.7	7.5	7.6	7.9	7.5	7.7	8.0	7.6	7.7	8.0	7.6	7.7
11	7.7	7.5	7.6	7.8	7.5	7.6	8.0	7.6	7.7	8.0	7.6	7.7
12	7.7	7.5	7.6	7.8	7.5	7.7	8.0	7.6	7.7	7.9	7.6	7.7
13	7.7	7.5	7.6	7.8	7.5	7.6	8.0	7.5	7.7	7.9	7.6	7.7
14	7.7	7.5	7.6	7.8	7.5	7.6	8.0	7.6	7.6	8.0	7.6	7.7
15	7.8	7.5	7.6	7.9	7.5	7.6	8.0	7.6	7.6	8.0	7.7	7.7
16	7.8	7.6	7.6	7.9	7.5	7.6	8.0	7.5	7.6	7.9	7.7	7.7
17	7.8	7.6	7.7	7.9	7.5	7.6	8.0	7.6	7.7	8.0	7.6	7.7
18	7.8	7.6	7.7	7.9	7.5	7.6	8.0	7.5	7.6	7.9	7.6	7.7
19	7.8	7.6	7.6	7.9	7.5	7.6	7.9	7.5	7.6	7.9	7.6	7.6
20	7.8	7.5	7.6	7.9	7.5	7.6	7.9	7.5	7.6	7.9	7.6	7.6
21	7.8	7.5	7.6	7.9	7.5	7.6	8.0	7.5	7.6	7.9	7.6	7.6
22	7.8	7.6	7.6	8.0	7.5	7.6	8.0	7.5	7.6	7.9	7.6	7.6
23	7.8	7.5	7.6	8.0	7.5	7.6	8.0	7.6	7.7	7.9	7.6	7.6
24	7.8	7.5	7.6	8.0	7.5	7.6	8.0	7.6	7.7	7.8	7.6	7.6
25	7.8	7.5	7.6	8.0	7.5	7.6	8.0	7.6	7.7	7.8	7.6	7.6
26	7.8	7.5	7.7	8.0	7.5	7.6	8.0	7.6	7.7	7.8	7.5	7.6
27	7.8	7.6	7.7	8.1	7.5	7.6	8.0	7.6	7.7	7.8	7.5	7.6
28	7.8	7.6	7.7	8.1	7.5	7.7	8.0	7.6	7.7	7.8	7.5	7.5
29	7.8	7.5	7.6	8.0	7.6	7.7	8.0	7.7	7.7	7.9	7.5	7.5
30	7.8	7.5	7.6	8.0	7.6	7.7	8.0	7.6	7.7	7.8	7.5	7.5
31	---	---	---	8.0	7.5	7.6	8.0	7.6	7.7	---	---	---
MAX	7.8	7.6	7.7	8.1	7.6	7.7	8.0	7.7	7.7	8.1	7.7	7.7
MIN	7.7	7.5	7.6	7.8	7.5	7.6	7.8	7.5	7.6	7.8	7.5	7.5

14178000 NORTH SANTIAM RIVER BELOW BOULDER CREEK, NEAR DETROIT, 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	10.6	8.8	9.9	6.5	5.0	5.6	5.0	4.3	4.6	4.2	3.9	4.0
2	10.5	8.5	9.6	7.4	6.5	6.9	4.8	4.0	4.3	3.9	2.9	3.2
3	10.2	8.6	9.6	6.8	5.3	6.2	4.1	3.6	3.8	3.0	2.1	2.5
4	10.1	8.2	9.3	5.3	4.3	4.8	4.2	3.5	3.9	2.4	1.5	1.8
5	10.2	8.4	9.5	5.5	4.2	4.9	4.6	4.2	4.3	2.1	0.5	1.2
6	10.7	9.7	10.2	5.5	4.4	5.0	4.2	3.2	3.6	3.3	2.1	2.8
7	11.1	9.9	10.5	6.4	5.0	5.7	4.1	3.2	3.7	3.6	3.1	3.3
8	10.4	9.2	9.9	6.1	4.9	5.6	4.7	4.1	4.5	3.3	2.8	3.1
9	10.2	8.9	9.5	6.6	5.8	6.2	5.5	4.6	5.1	3.2	2.5	2.9
10	9.5	8.5	9.1	7.2	6.4	6.8	5.9	5.3	5.6	3.2	2.9	3.1
11	8.9	7.4	8.3	7.0	5.9	6.5	6.0	5.7	5.9	2.9	2.1	2.3
12	9.4	7.7	8.6	6.6	5.3	5.9	5.7	5.2	5.5	3.5	2.3	3.0
13	9.6	8.2	9.0	7.1	6.4	6.8	6.0	5.0	5.5	3.9	3.2	3.5
14	9.3	7.8	8.7	6.4	5.4	5.9	6.2	5.8	6.1	3.6	2.6	3.0
15	9.3	8.0	8.8	6.9	5.6	6.2	5.8	4.8	5.2	3.4	2.7	3.0
16	9.2	7.6	8.6	7.3	6.7	7.0	4.8	4.2	4.5	4.2	3.4	3.8
17	9.3	8.3	9.0	6.7	5.4	5.8	5.6	4.6	5.1	4.3	3.7	4.0
18	8.3	7.4	7.7	6.2	5.5	5.8	5.3	4.7	5.0	4.7	4.2	4.4
19	8.6	7.4	8.0	5.9	5.0	5.5	5.6	4.7	5.2	4.7	3.9	4.3
20	8.9	8.0	8.4	5.0	3.6	4.2	5.5	4.5	5.0	5.2	4.2	4.7
21	8.6	7.7	8.2	3.6	3.0	3.4	4.5	3.8	4.1	4.8	3.8	4.3
22	7.9	7.1	7.5	4.9	3.5	4.1	5.1	4.2	4.7	5.0	3.9	4.5
23	8.0	7.0	7.7	6.0	4.8	5.3	4.9	3.6	4.1	5.1	4.3	4.7
24	7.3	6.4	6.9	6.7	5.9	6.3	3.6	3.1	3.4	4.7	3.8	4.4
25	6.9	5.9	6.4	6.8	6.2	6.6	4.4	3.3	3.8	5.3	4.0	4.6
26	7.2	6.7	6.9	6.2	5.4	5.6	4.5	4.2	4.4	6.0	5.0	5.5
27	7.3	6.6	6.9	5.4	4.5	5.0	4.4	3.8	4.1	5.8	5.0	5.3
28	6.9	6.2	6.5	4.5	3.3	4.1	4.9	3.7	4.3	5.5	4.6	5.1
29	7.5	6.6	7.0	3.5	2.5	3.0	5.1	4.7	4.9	5.2	4.6	4.9
30	7.3	6.6	6.9	4.5	3.5	4.0	4.7	4.1	4.5	5.0	4.0	4.4
31	6.6	5.4	6.0	---	---	---	4.3	3.7	4.0	4.8	3.9	4.4
MONTH	11.1	5.4	8.4	7.4	2.5	5.5	6.2	3.1	4.6	6.0	0.5	3.7
		FEBRUARY			MARCH			APRIL			MAY	
1	4.2	3.1	3.6	5.7	4.4	5.2	5.8	4.8	5.3	9.1	7.2	8.2
2	3.9	3.0	3.5	6.3	5.0	5.6	6.2	4.6	5.3	9.2	7.6	8.2
3	4.4	3.1	3.8	5.4	3.6	4.7	5.6	4.9	5.3	10.5	7.4	8.8
4	4.8	3.7	4.2	6.3	4.3	5.2	5.9	4.2	5.0	10.4	8.2	9.2
5	4.7	3.8	4.2	5.9	4.4	5.3	6.8	4.6	5.6	9.6	8.1	8.9
6	4.0	3.4	3.7	6.1	4.1	5.3	7.8	5.2	6.4	8.8	7.9	8.2
7	4.2	3.4	3.7	7.0	4.9	6.0	6.8	5.5	6.1	9.5	7.3	8.2
8	3.7	2.8	3.1	6.7	4.9	6.0	6.3	4.6	5.4	9.7	7.8	8.5
9	3.6	2.7	3.2	6.8	4.8	6.0	6.4	5.2	5.7	8.5	7.0	7.7
10	3.4	2.4	3.0	7.1	5.0	6.2	6.8	4.8	5.8	7.4	6.2	6.8
11	3.8	2.6	3.2	7.5	5.1	6.4	6.8	5.6	6.2	9.1	6.8	7.7
12	4.2	3.0	3.6	7.3	5.5	6.5	5.7	4.6	5.1	10.3	7.5	8.7
13	4.2	3.3	3.8	6.3	4.1	5.4	5.8	4.0	4.8	10.0	7.6	8.7
14	3.9	2.9	3.4	6.1	3.7	5.1	6.6	4.1	5.2	10.8	8.4	9.4
15	3.1	1.7	2.4	6.3	3.8	5.2	6.2	4.0	5.2	9.8	8.7	9.2
16	3.3	1.8	2.6	5.8	4.5	5.2	6.8	5.9	6.3	9.0	7.9	8.4
17	3.6	1.9	2.8	6.2	4.9	5.6	6.2	5.2	5.8	8.3	7.0	7.7
18	4.0	2.4	3.3	6.0	5.0	5.6	7.3	4.7	5.8	9.7	7.6	8.4
19	4.3	3.2	3.8	6.7	5.6	6.1	7.4	5.0	6.2	8.9	7.5	8.2
20	4.7	3.4	4.1	6.7	5.7	6.2	8.2	5.5	6.8	8.3	7.5	7.9
21	5.1	4.2	4.6	5.9	4.5	5.2	8.2	6.1	7.2	8.2	6.7	7.5
22	4.5	3.0	3.8	5.8	4.5	5.2	9.5	6.1	7.7	9.5	7.3	8.2
23	4.7	2.7	3.8	5.4	4.4	4.8	8.0	6.6	6.9	10.6	7.1	8.5
24	4.7	3.0	3.9	4.8	4.0	4.5	7.7	6.2	6.9	10.9	6.6	8.6
25	4.9	3.1	4.1	5.9	4.3	5.0	8.1	6.7	7.3	11.9	7.0	9.3
26	5.0	3.3	4.3	5.8	4.7	5.2	9.4	6.6	7.8	13.0	8.1	10.3
27	5.7	3.6	4.8	5.6	5.1	5.5	9.4	6.7	8.1	13.3	8.9	11.0
28	5.8	4.9	5.3	5.1	4.6	4.9	9.8	7.4	8.4	11.6	9.9	10.7
29	---	---	---	4.6	3.8	4.1	8.0	7.3	7.6	10.7	9.5	10.1
30	---	---	---	5.1	3.9	4.5	10.5	7.0	8.4	11.6	8.9	10.0
31	---	---	---	6.6	4.2	5.3	---	---	---	10.6	9.1	9.7
MONTH	5.8	1.7	3.7	7.5	3.6	5.4	10.5	4.0	6.3	13.3	6.2	8.7

14178000 NORTH SANTIAM RIVER BELOW BOULDER CREEK, NEAR DETROIT, 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	10.1	8.5	9.2	15.5	11.2	13.2	14.9	12.4	13.9	14.0	10.7	12.6
2	10.4	8.3	9.2	14.9	10.6	12.6	16.0	12.1	14.0	14.0	11.3	12.8
3	12.1	8.4	9.9	14.7	9.9	12.3	15.3	10.8	13.2	13.4	11.2	12.4
4	11.6	7.9	9.6	15.4	10.2	12.7	16.1	11.3	13.8	12.6	10.3	11.7
5	10.0	8.4	9.0	15.8	11.0	13.4	16.5	12.2	14.4	12.3	9.3	11.1
6	9.1	7.5	8.3	14.1	11.9	12.8	16.4	12.2	14.4	12.7	9.6	11.3
7	9.1	7.3	8.1	15.6	11.0	13.0	16.0	12.1	14.2	13.2	10.2	11.9
8	11.8	7.2	9.2	13.5	10.9	11.8	16.2	12.0	14.2	13.3	10.4	12.1
9	12.6	7.8	10.0	13.4	10.7	12.0	15.9	11.9	14.1	12.5	10.4	11.3
10	10.6	8.5	9.7	13.1	10.8	11.9	15.4	11.5	13.6	10.6	9.6	10.1
11	10.1	8.9	9.5	15.9	10.9	13.2	14.8	11.0	13.1	10.9	8.7	9.8
12	11.8	8.0	9.5	16.3	11.9	14.0	15.2	10.7	13.0	11.3	8.6	10.0
13	11.8	8.7	10.2	15.9	11.6	13.6	15.5	11.5	13.6	11.7	8.8	10.4
14	11.0	9.2	10.0	15.8	10.8	13.3	15.2	11.1	13.4	11.6	9.1	10.6
15	12.3	8.2	10.2	16.6	11.7	14.1	15.2	11.0	13.2	11.3	9.4	10.5
16	11.0	9.2	9.9	16.0	12.1	14.0	15.4	11.7	13.7	10.5	9.1	9.6
17	10.3	8.8	9.4	16.3	11.2	13.7	13.9	11.7	12.7	11.1	9.2	10.0
18	10.7	8.6	9.5	16.9	11.6	14.2	14.7	10.7	12.7	10.3	7.7	9.2
19	12.3	8.3	10.1	16.5	12.1	14.3	15.1	11.3	13.4	10.8	8.3	9.7
20	13.9	9.3	11.4	16.2	11.5	13.9	15.5	11.6	13.7	10.7	8.5	9.9
21	13.3	10.1	11.6	15.6	11.6	13.8	16.0	12.2	14.2	10.1	7.9	9.3
22	11.9	9.9	10.9	16.5	13.0	14.6	14.9	12.4	13.8	10.2	8.1	9.3
23	14.0	8.6	11.1	16.3	11.8	14.1	13.9	11.0	12.6	10.4	8.6	9.6
24	13.8	10.0	11.9	15.6	11.6	13.7	13.4	9.8	11.9	9.1	7.0	8.3
25	14.5	10.4	12.2	15.7	10.9	13.3	14.1	9.9	12.1	9.1	6.6	8.1
26	12.4	9.8	11.4	16.0	11.4	13.7	14.4	11.0	12.9	9.6	7.1	8.5
27	11.5	10.1	10.8	16.3	11.2	13.8	14.1	10.8	12.7	9.9	7.7	9.0
28	12.9	9.9	11.3	16.9	12.3	14.6	14.1	10.5	12.5	10.0	7.9	9.2
29	15.0	9.9	12.1	16.5	12.1	14.4	13.4	11.2	12.1	10.4	8.2	9.4
30	15.5	10.4	12.8	16.7	12.0	14.4	13.6	10.3	11.9	11.5	10.2	10.8
31	---	---	---	16.7	12.2	14.5	13.7	10.2	12.1	---	---	---
MONTH	15.5	7.2	10.3	16.9	9.9	13.5	16.5	9.8	13.3	14.0	6.6	10.3
YEAR	16.9	0.5	7.8									

14178000 NORTH SANTIAM RIVER BELOW BOULDER CREEK, NEAR DETROIT, 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	4	<1	<1	1	<1	<1	1	<1	<1	<1	<1	<1
2	1	<1	<1	22	<1	1	<1	<1	<1	<1	<1	<1
3	2	<1	<1	18	1	3	2	<1	<1	1	<1	<1
4	1	<1	<1	3	<1	<1	<1	<1	<1	<1	<1	<1
5	1	<1	<1	1	<1	<1	2	<1	<1	<1	<1	<1
6	7	<1	1	3	<1	<1	<1	<1	<1	<1	<1	<1
7	8	1	2	2	<1	<1	<1	<1	<1	2	<1	<1
8	3	<1	1	<1	<1	<1	21	<1	8	<1	<1	<1
9	8	1	2	<1	<1	<1	25	4	11	1	<1	<1
10	5	<1	1	2	<1	<1	33	6	13	2	<1	<1
11	3	<1	<1	2	<1	<1	19	5	9	<1	<1	<1
12	2	<1	<1	<1	<1	<1	10	2	4	<1	<1	<1
13	1	<1	<1	1	<1	<1	4	1	2	<1	<1	<1
14	2	<1	<1	1	<1	<1	4	1	2	<1	<1	<1
15	4	<1	<1	1	<1	<1	2	<1	1	<1	<1	<1
16	2	<1	<1	1	<1	<1	4	<1	<1	<1	<1	<1
17	6	<1	<1	<1	<1	<1	2	<1	<1	3	<1	<1
18	6	1	3	3	<1	<1	2	<1	<1	14	3	10
19	4	<1	1	<1	<1	<1	2	<1	<1	11	1	2
20	3	<1	<1	<1	<1	<1	2	<1	<1	2	<1	<1
21	1	<1	<1	2	<1	<1	3	<1	<1	1	<1	<1
22	2	<1	<1	<1	<1	<1	1	<1	<1	3	<1	<1
23	2	<1	<1	1	<1	<1	1	<1	<1	2	<1	<1
24	2	<1	<1	1	<1	<1	1	<1	<1	<1	<1	<1
25	2	<1	<1	3	<1	2	<1	<1	<1	<1	<1	<1
26	1	<1	<1	2	<1	<1	<1	<1	<1	4	<1	<1
27	<1	<1	<1	1	<1	<1	2	<1	<1	<1	<1	<1
28	1	<1	<1	<1	<1	<1	1	<1	<1	<1	<1	<1
29	<1	<1	<1	1	<1	<1	1	<1	<1	<1	<1	<1
30	1	<1	<1	2	<1	<1	1	<1	<1	<1	<1	<1
31	1	<1	<1	---	---	---	2	<1	<1	<1	<1	<1
MAX	8	1	3	22	1	3	33	6	13	14	3	10
MIN	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
	FEBRUARY			MARCH			APRIL			MAY		
1	1	<1	<1	<1	<1	<1	2	<1	<1	1	<1	<1
2	<1	<1	<1	<1	<1	<1	4	<1	<1	1	<1	<1
3	2	<1	<1	<1	<1	<1	5	<1	<1	1	<1	<1
4	<1	<1	<1	1	<1	<1	2	<1	<1	<1	<1	<1
5	<1	<1	<1	1	<1	<1	2	<1	<1	2	<1	<1
6	<1	<1	<1	2	<1	<1	3	<1	<1	4	<1	2
7	<1	<1	<1	1	<1	<1	3	<1	<1	4	<1	<1
8	<1	<1	<1	<1	<1	<1	2	<1	<1	6	<1	<1
9	<1	<1	<1	<1	<1	<1	2	<1	<1	3	<1	2
10	<1	<1	<1	<1	<1	<1	<1	<1	<1	2	<1	1
11	2	<1	<1	1	<1	<1	3	<1	<1	3	<1	<1
12	2	<1	<1	2	<1	<1	<1	<1	<1	2	<1	<1
13	<1	<1	<1	<1	<1	<1	1	<1	<1	2	<1	<1
14	<1	<1	<1	2	<1	<1	<1	<1	<1	2	<1	<1
15	3	<1	<1	<1	<1	<1	2	<1	<1	6	<1	<1
16	1	<1	<1	3	<1	<1	3	<1	<1	5	<1	1
17	<1	<1	<1	3	<1	<1	3	<1	<1	2	<1	<1
18	<1	<1	<1	1	<1	<1	<1	<1	<1	4	<1	<1
19	3	<1	<1	3	<1	<1	1	<1	<1	2	<1	<1
20	3	<1	<1	2	<1	<1	2	<1	<1	4	<1	<1
21	3	<1	<1	2	<1	<1	<1	<1	<1	3	<1	<1
22	<1	<1	<1	1	<1	<1	1	<1	<1	1	<1	<1
23	2	<1	<1	<1	<1	<1	2	<1	<1	4	<1	<1
24	<1	<1	<1	<1	<1	<1	2	<1	<1	<1	<1	<1
25	3	<1	<1	3	<1	<1	<1	<1	<1	3	<1	<1
26	2	<1	<1	23	<1	<1	3	<1	<1	2	<1	<1
27	1	<1	<1	70	21	34	2	<1	<1	3	<1	<1
28	<1	<1	<1	31	6	11	2	<1	<1	2	<1	<1
29	---	---	---	8	3	4	2	<1	<1	2	<1	<1
30	---	---	---	6	2	2	<1	<1	<1	2	<1	<1
31	---	---	---	2	<1	1	---	---	---	4	<1	<1
MAX	3	<1	<1	70	21	34	5	<1	<1	6	<1	2
MIN	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

14178000 NORTH SANTIAM RIVER BELOW BOULDER CREEK, NEAR DETROIT, 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	2	<1	<1	10	<1	1	6	1	2	4	<1	1
2	1	<1	<1	2	<1	<1	4	<1	2	4	<1	1
3	2	<1	<1	1	<1	<1	3	<1	1	2	<1	1
4	2	<1	<1	2	<1	<1	5	<1	1	3	<1	1
5	7	<1	<1	2	<1	<1	5	1	2	3	<1	<1
6	2	<1	<1	17	<1	6	6	1	2	5	<1	1
7	2	<1	<1	62	4	14	4	1	2	4	<1	1
8	1	<1	<1	5	2	4	3	1	2	3	<1	1
9	1	<1	<1	3	1	2	4	<1	2	3	<1	1
10	1	<1	<1	2	<1	1	4	1	2	6	<1	1
11	2	<1	<1	2	<1	1	4	<1	1	2	<1	<1
12	3	<1	<1	5	<1	2	2	<1	1	4	<1	<1
13	1	<1	<1	3	<1	1	3	<1	2	2	<1	<1
14	2	<1	<1	3	<1	1	3	<1	2	3	<1	<1
15	3	<1	<1	4	1	2	3	<1	1	2	<1	<1
16	4	<1	<1	30	2	4	3	1	2	2	<1	<1
17	9	<1	1	5	2	3	3	<1	1	1	<1	<1
18	1	<1	<1	4	1	2	3	<1	1	2	<1	<1
19	3	<1	<1	15	2	2	4	<1	1	3	<1	<1
20	2	<1	<1	4	1	2	3	1	2	4	<1	<1
21	3	<1	<1	4	<1	2	4	1	2	4	<1	<1
22	1	<1	<1	5	1	3	8	2	3	3	<1	<1
23	3	<1	<1	13	1	3	11	1	3	2	<1	<1
24	1	<1	<1	5	1	2	5	<1	2	1	<1	<1
25	1	<1	<1	4	<1	1	3	<1	1	2	<1	<1
26	2	<1	<1	2	<1	1	3	<1	2	1	<1	<1
27	<1	<1	<1	2	<1	1	4	<1	2	1	<1	<1
28	3	<1	<1	5	1	2	4	1	2	4	<1	<1
29	4	<1	<1	6	1	2	7	1	2	2	<1	<1
30	2	<1	<1	3	1	2	3	<1	1	6	<1	2
31	---	---	---	4	1	2	3	<1	1	---	---	---
MAX	9	<1	1	62	4	14	11	2	3	6	<1	2
MIN	<1	<1	<1	1	<1	<1	2	<1	1	1	<1	<1

14179000 BREITENBUSH RIVER ABOVE FRENCH CREEK, NEAR DETROIT, OR

LOCATION.--Lat 44°45'10", long 122°07'40", in SE ¼ NE ¼ sec.36, T.9 S., R.5 E., Marion County, Hydrologic Unit 17090005, in Willamette National Forest, on left bank 600 ft upstream from Canyon Creek, 1.5 mi northeast of Detroit and at mile 2.0.

DRAINAGE AREA.--108 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1932 to September 1987, October 1998 to current year. Monthly discharge only June 1932, published in WSP 1318. Published as "above Canyon Creek, near Detroit" from October 1952 to September 1984.

GAGE.--Water-stage recorder. Datum of gage is 1,573.95 ft above NGVD of 1929. Prior to Oct. 1, 1952, at site 0.2 mi downstream at datum 13.46 ft lower.

REMARKS.--Records good except for estimated daily discharges and those above 1,000 ft^3/s, which are fair. No regulation or diversion upstream from station.

AVERAGE DISCHARGE.--62 years, (water years 1933-87, 1999-2005), 569 ft^3/s, 71.53 in/yr, 411,900 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 16,900 ft^3/s Dec. 22, 1964, gage height, 14.55 ft; minimum discharge, 87 ft^3/s Sept. 2, 1940, Sept. 24, 2001.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 27	1700	*3,610	*7.23				

Minimum discharge, 98 ft^3/s, Sept. 27-30, gage height, 2.56 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	157	342	267	329	399	290	844	462	408	235	135	109
2	153	561	255	314	377	284	800	480	391	226	135	108
3	149	698	243	299	360	279	733	446	354	218	132	108
4	145	509	237	287	363	270	692	490	341	210	131	107
5	142	415	232	e270	369	263	630	525	351	204	129	107
6	175	360	234	270	356	257	612	773	409	207	128	107
7	168	322	282	274	344	255	695	630	427	205	127	106
8	158	295	1,110	266	332	255	721	589	399	198	126	105
9	233	275	1,500	257	322	253	693	760	362	207	125	106
10	203	259	2,390	249	314	252	620	803	344	198	123	120
11	181	246	2,330	241	309	250	683	752	352	194	123	114
12	167	233	1,550	245	315	248	e630	665	337	186	122	110
13	157	223	1,070	245	339	241	e590	595	323	180	120	108
14	151	213	1,100	237	322	231	e560	566	317	175	119	107
15	147	208	946	237	307	225	e530	653	295	172	118	106
16	144	205	788	269	297	225	e580	727	310	168	117	108
17	176	196	680	546	288	248	e705	631	429	165	118	110
18	384	210	615	2,860	281	230	e650	731	371	162	118	107
19	420	202	571	1,660	292	300	593	851	344	159	116	106
20	317	191	521	1,140	342	359	542	782	352	156	115	104
21	331	185	473	906	324	346	512	749	335	154	114	104
22	357	181	437	757	314	325	503	687	316	154	114	103
23	399	179	403	667	303	323	611	611	294	152	113	102
24	396	226	378	597	293	329	629	547	282	150	112	102
25	355	490	365	542	287	326	577	498	274	148	111	102
26	321	414	369	513	283	566	544	480	263	146	110	102
27	292	338	345	504	278	2,810	527	477	266	143	109	101
28	267	298	329	460	292	2,030	519	460	282	141	109	101
29	255	272	333	480	---	1,420	490	424	255	140	111	100
30	318	265	330	451	---	1,060	460	393	242	137	113	107
31	366	---	324	425	---	843	---	386	---	136	110	---
TOTAL	7,584	9,011	21,007	16,797	9,002	15,593	18,475	18,623	10,025	5,426	3,703	3,187
MEAN	245	300	678	542	322	503	616	601	334	175	119	106
MAX	420	698	2,390	2,860	399	2,810	844	851	429	235	135	120
MIN	142	179	232	237	278	225	460	386	242	136	109	100
AC-FT	15,040	17,870	41,670	33,320	17,860	30,930	36,650	36,940	19,880	10,760	7,340	6,320
CFSM	2.27	2.78	6.27	5.02	2.98	4.66	5.70	5.56	3.09	1.62	1.11	0.98
IN.	2.61	3.10	7.24	5.79	3.10	5.37	6.36	6.41	3.45	1.87	1.28	1.10

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1933 - 2005, BY WATER YEAR (WY)

MEAN	252	642	909	839	792	682	772	775	567	281	170	156
MAX	827	1,504	2,385	2,135	1,867	1,874	1,280	1,627	1,564	532	288	267
(WY)	(1948)	(1943)	(1965)	(1953)	(1982)	(1972)	(1949)	(1949)	(1933)	(1933)	(1999)	(1971)
MIN	104	106	163	142	176	289	295	344	202	129	98.4	97.6
(WY)	(1946)	(1937)	(1977)	(1937)	(1977)	(1941)	(1941)	(1934)	(1934)	(1940)	(1940)	(2001)

14179000 BREITENBUSH RIVER ABOVE FRENCH CREEK, NEAR DETROIT, OR—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1933 - 2005	
ANNUAL TOTAL	180,862		138,433			
ANNUAL MEAN	494		379		569	
HIGHEST ANNUAL MEAN					892	1974
LOWEST ANNUAL MEAN					276	1977
HIGHEST DAILY MEAN	3,850	Jan 29	2,860	Jan 18	12,800	Dec 22, 1964
LOWEST DAILY MEAN	116	Aug 20	100	Sep 29	89	Aug 31, 1940
ANNUAL SEVEN-DAY MINIMUM	119	Aug 15	101	Sep 23	91	Oct 23, 1944
ANNUAL RUNOFF (AC-FT)	358,700		274,600		411,900	
ANNUAL RUNOFF (CFSM)	4.58		3.51		5.26	
ANNUAL RUNOFF (INCHES)	62.30		47.68		71.53	
10 PERCENT EXCEEDS	820		692		1,120	
50 PERCENT EXCEEDS	414		293		406	
90 PERCENT EXCEEDS	151		113		137	

e Estimated

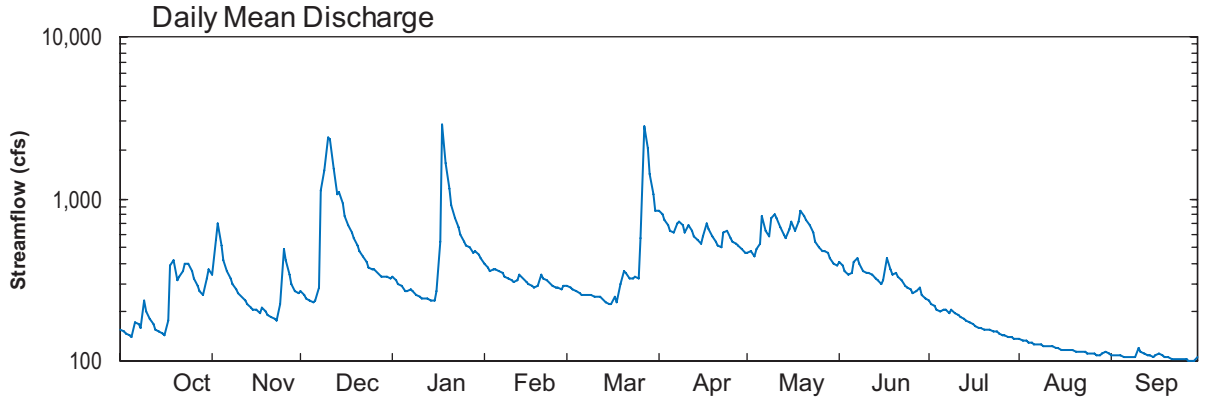
2005 Water Year

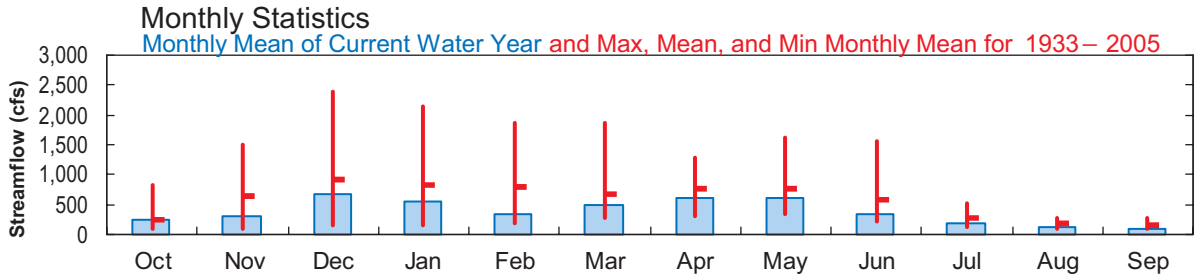
SANTIAM RIVER BASIN

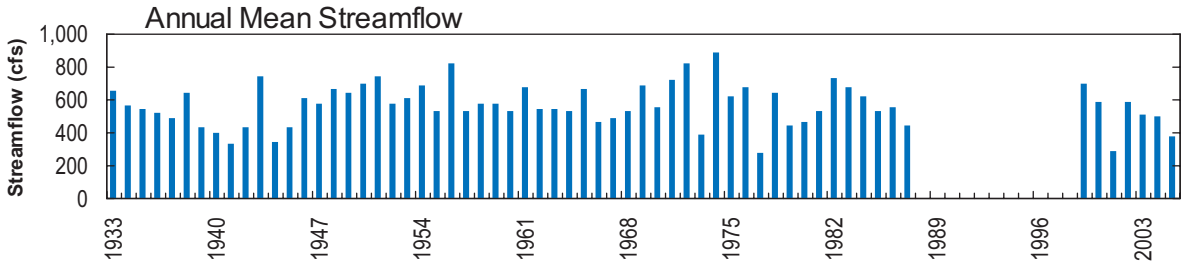
14179000 BREITENBUSH R ABV FRENCH CR NR DETROIT, OR

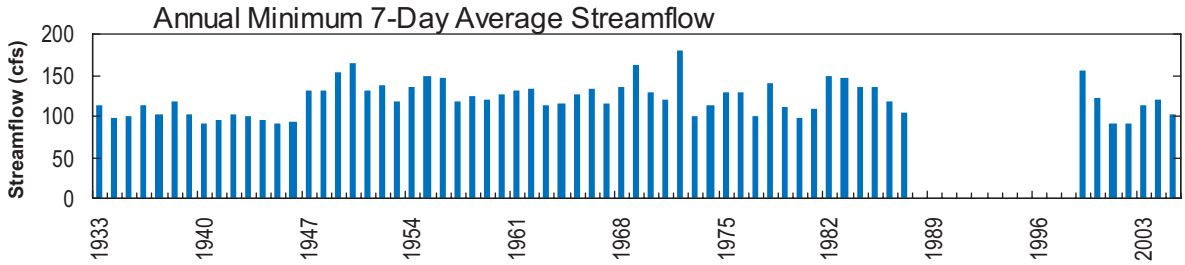
Latitude: 44° 45 ' 10" Longitude: 122° 07 ' 40" Hydrologic Unit Code: 17090005

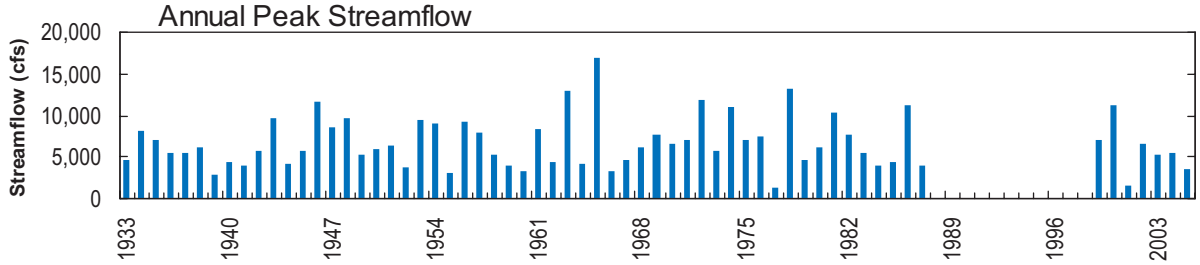
Marion County Datum: 1573.95 feet Drainage Area: 108 mi²











WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1998 to current year.
pH: October 1998 to current year.
WATER TEMPERATURE: December 1950 to July 1961, January 1962 to September 1987, October 1998 to current year.
TURBIDITY: October 1998 to current year.

INSTRUMENTATION.--Water-quality monitor.

REMARKS.--
SPECIFIC CONDUCTANCE: Records excellent.
pH: Records excellent except those for the periods Jan. 1-19, July 26, 27, Aug. 21-24, which are good.
WATER TEMPERATURE: Records excellent.
TURBIDITY: Records excellent except those for the period Mar. 26-29, which are poor. 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, 100 microsiemens Sept. 28, 2001; minimum, 21 microsiemens Nov. 26, 1999.
pH: Maximum, 8.3 units Sept. 1, 3, 2001; minimum, 6.7 units Nov. 25, 26, 1999.
WATER TEMPERATURE: Maximum, 18.0°C July 27, 1973; minimum, 0.0°C several days in 1972-73, 1977-79, 1985, 1999.
TURBIDITY: Maximum, 1,160 FNU Nov. 25, 1999; minimum, <1 FNU many days each year.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 81 microsiemens Jan. 6; minimum, 28 microsiemens Jan. 18, Mar. 27,
pH: Maximum, 8.0 units several days in October, August, September; minimum, 7.1 units Oct. 19, 20, 26, Jan. 18.
WATER TEMPERATURE: Maximum, 16.1°C July 22, 28, Aug. 5; minimum, 1.1°C Jan. 5.
TURBIDITY: Maximum, 516 FNU May 5; minimum, <1 FNU many days during year.

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

Date	Time	Instantaneous discharge, cfs (00061)	Suspended sediment concentration mg/L (80154)	Suspended sediment discharge, tons/d (80155)
DEC				
09...	1143	1,410	6	23
09...	2202	1,940	36	189
10...	0002	2,280	85	523
10...	0102	2,410	76	495
10...	0202	2,530	102	697
10...	0302	2,690	100	726
10...	0402	2,770	87	651
10...	0502	2,730	88	649
10...	0602	2,720	63	463
10...	0702	2,700	57	416
10...	0802	2,590	53	371
JAN				
18...	0932	3,270	137	1,210
18...	1002	3,350	130	1,180
18...	1102	3,330	124	1,110
18...	1202	3,240	106	927
18...	1231	3,260	94	828
18...	1302	3,210	121	1,050
18...	1402	3,230	121	1,060
18...	1502	3,130	91	769
18...	1602	3,080	83	690
18...	1802	2,830	58	443
18...	2002	2,600	49	344
18...	2202	2,390	35	226
19...	1302	1,550	9	38
MAR				
27...	0802	2,570	82	569
27...	1002	3,070	117	970
27...	1202	3,460	147	1,370
27...	1402	3,570	154	1,480
27...	1602	3,600	122	1,190
27...	1802	3,360	88	798
27...	2002	3,170	67	573
MAY				
05...	2332	781	156	329
06...	0002	793	57	122
06...	0102	810	37	81
06...	0202	834	25	56

14179000 BREITENBUSH RIVER ABOVE FRENCH CREEK, NEAR DETROIT, 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	58	55	56	51	49	50	52	50	51	52	50	51
2	58	57	57	49	41	46	52	51	51	53	51	52
3	58	57	57	45	41	43	51	49	50	51	51	51
4	57	56	57	47	44	45	51	49	50	52	51	52
5	58	57	57	48	46	47	52	50	51	54	52	53
6	60	56	57	49	47	48	52	50	51	81	52	56
7	58	56	57	50	48	49	51	49	51	70	52	54
8	63	58	58	51	50	50	49	38	42	54	52	53
9	80	54	58	52	51	51	40	35	38	54	52	53
10	58	54	54	52	51	52	35	32	33	55	53	54
11	57	54	56	52	51	52	33	30	31	55	54	54
12	58	55	56	53	52	52	48	33	36	55	53	54
13	60	56	58	54	52	53	49	45	47	55	53	54
14	59	58	58	53	52	53	50	38	45	55	54	55
15	60	58	59	54	53	53	52	40	45	56	54	55
16	60	58	59	54	53	53	63	42	50	55	52	53
17	60	55	57	55	53	54	44	42	43	53	35	49
18	55	49	52	55	53	53	45	43	44	35	28	29
19	53	49	50	55	53	54	45	44	44	36	30	33
20	53	50	51	56	54	55	46	44	45	38	36	37
21	53	49	50	56	54	55	47	45	46	40	38	39
22	51	48	50	56	53	54	48	46	47	42	40	41
23	50	48	48	56	54	55	48	47	47	42	42	42
24	50	48	48	55	51	53	49	47	48	42	42	42
25	50	48	49	52	45	47	50	48	49	44	42	43
26	51	49	50	48	45	46	50	48	49	45	44	44
27	51	49	50	49	47	48	50	49	50	61	44	46
28	52	50	51	50	48	49	51	50	50	60	45	46
29	52	51	51	51	49	50	51	50	50	46	44	45
30	52	48	50	50	49	50	51	50	50	47	46	46
31	51	49	49	---	---	---	52	50	51	48	46	47
MONTH	80	48	54	56	41	51	63	30	46	81	28	48
	FEBRUARY			MARCH			APRIL			MAY		
1	47	46	47	51	50	51	42	41	42	44	42	43
2	48	46	47	52	50	51	43	41	42	43	42	42
3	48	47	48	52	50	51	43	42	43	44	43	43
4	49	46	48	52	51	51	44	43	43	44	41	42
5	48	46	47	53	51	52	45	44	44	50	40	42
6	48	46	47	53	51	52	45	43	44	40	36	37
7	49	47	48	51	51	51	44	41	42	40	37	38
8	49	48	48	52	51	51	50	41	43	41	39	40
9	49	47	48	53	52	52	44	42	43	40	39	39
10	49	47	48	78	52	55	45	43	44	41	39	40
11	49	47	49	78	52	54	44	42	43	42	40	41
12	49	47	49	53	52	52	44	43	43	43	41	42
13	49	47	48	53	52	53	45	44	44	44	43	43
14	49	47	49	54	52	52	46	44	45	43	42	43
15	50	48	49	54	52	53	46	45	46	42	37	40
16	53	48	50	53	52	53	46	41	44	39	36	37
17	53	51	52	52	50	51	42	41	41	42	39	40
18	52	52	52	53	51	52	44	42	43	42	41	41
19	52	50	51	52	47	50	45	43	44	41	40	40
20	52	49	50	48	46	47	46	44	45	41	40	41
21	51	50	50	48	47	47	46	45	45	42	40	41
22	50	49	50	49	48	48	46	45	45	42	41	41
23	51	49	50	49	48	48	45	40	43	44	42	42
24	52	50	51	50	48	49	43	40	41	45	43	43
25	79	51	55	50	49	50	43	42	43	47	44	45
26	53	51	52	51	38	48	44	43	43	47	46	46
27	52	51	51	38	28	32	44	43	44	47	45	46
28	52	50	51	35	30	33	44	43	43	46	45	45
29	---	---	---	38	35	36	44	43	44	46	44	46
30	---	---	---	40	38	39	45	43	44	47	46	46
31	---	---	---	42	40	41	---	---	---	47	46	47
MONTH	79	46	49	78	28	49	50	40	43	50	36	42

14179000 BREITENBUSH RIVER ABOVE FRENCH CREEK, NEAR DETROIT, 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	47	45	46	54	52	53	65	63	63	67	66	66
2	47	46	46	55	53	54	64	63	63	68	66	66
3	49	47	47	55	54	54	64	63	63	68	66	67
4	49	47	48	56	54	55	65	62	64	69	66	66
5	49	47	48	57	55	56	65	63	64	68	66	67
6	48	47	47	57	56	56	65	64	64	69	67	68
7	47	46	47	58	56	56	65	64	65	69	66	67
8	48	47	47	58	57	57	66	64	64	69	66	67
9	48	48	48	59	56	57	65	64	64	68	66	67
10	49	47	48	58	57	57	64	64	64	68	65	66
11	48	46	47	59	57	58	66	64	64	68	65	67
12	48	47	47	60	58	58	65	63	64	67	65	66
13	49	48	48	60	58	59	65	63	64	70	66	66
14	49	48	48	61	59	59	65	64	65	68	66	67
15	50	48	49	62	60	60	66	64	65	67	66	67
16	50	48	50	61	60	60	66	65	65	67	65	66
17	50	45	47	61	60	60	66	64	65	67	65	66
18	49	47	48	62	60	61	67	64	65	67	66	66
19	50	48	49	62	61	61	65	64	64	68	66	67
20	51	49	49	63	61	61	65	63	64	68	66	67
21	51	48	49	62	61	61	67	64	65	70	66	68
22	51	49	50	64	61	62	68	64	65	69	67	67
23	52	50	51	63	61	62	66	65	65	68	67	67
24	52	51	51	63	62	62	66	65	65	68	66	66
25	54	50	52	63	61	62	66	64	65	68	66	66
26	54	52	52	64	62	62	68	65	66	68	66	66
27	54	51	51	63	62	62	68	66	67	70	66	67
28	53	50	51	64	62	62	68	66	67	67	66	66
29	52	50	51	64	62	62	68	65	66	69	66	67
30	54	51	52	64	62	63	68	65	66	68	64	66
31	---	---	---	65	62	63	67	66	66	---	---	---
MONTH	54	45	49	65	52	59	68	62	65	70	64	67
YEAR	81	28	52									

14179000 BREITENBUSH RIVER ABOVE FRENCH CREEK, NEAR DETROIT, 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	7.7	7.7	7.3	7.5	7.7	7.2	7.5	7.6	7.4	7.5
2	7.9	7.5	7.7	7.7	7.3	7.5	7.7	7.2	7.4	7.6	7.3	7.5
3	7.9	7.5	7.7	7.7	7.4	7.5	7.7	7.2	7.5	7.6	7.3	7.5
4	7.9	7.6	7.8	7.7	7.4	7.6	7.6	7.2	7.5	7.6	7.4	7.5
5	7.9	7.6	7.7	7.8	7.4	7.6	7.7	7.2	7.5	7.6	7.4	7.5
6	8.0	7.6	7.7	7.8	7.3	7.6	7.6	7.3	7.5	7.6	7.3	7.5
7	8.0	7.6	7.7	7.8	7.4	7.6	7.7	7.3	7.5	7.6	7.4	7.5
8	8.0	7.6	7.8	7.8	7.4	7.6	7.5	7.3	7.4	7.6	7.4	7.5
9	8.0	7.6	7.8	7.8	7.2	7.6	7.5	7.3	7.4	7.6	7.4	7.5
10	8.0	7.6	7.8	7.7	7.3	7.5	7.4	7.2	7.3	7.6	7.4	7.5
11	8.0	7.6	7.8	7.7	7.2	7.5	7.4	7.2	7.3	7.6	7.4	7.5
12	8.0	7.7	7.8	7.7	7.2	7.5	7.5	7.3	7.4	7.6	7.4	7.5
13	8.0	7.5	7.8	7.7	7.2	7.5	7.5	7.3	7.4	7.6	7.3	7.5
14	7.8	7.4	7.6	7.7	7.3	7.5	7.5	7.3	7.4	7.6	7.3	7.5
15	7.8	7.4	7.6	7.7	7.2	7.5	7.5	7.3	7.4	7.6	7.4	7.5
16	7.9	7.4	7.6	7.7	7.3	7.5	7.5	7.3	7.5	7.6	7.4	7.5
17	7.8	7.5	7.7	7.7	7.4	7.6	7.6	7.3	7.5	7.6	7.3	7.5
18	7.7	7.4	7.6	7.7	7.4	7.6	7.5	7.3	7.5	7.3	7.1	7.2
19	7.8	7.1	7.5	7.7	7.4	7.5	7.6	7.3	7.4	7.5	7.2	7.4
20	7.8	7.1	7.5	7.7	7.3	7.6	7.6	7.3	7.5	7.5	7.3	7.4
21	7.8	7.2	7.6	7.7	7.4	7.5	7.6	7.3	7.5	7.5	7.4	7.4
22	7.7	7.2	7.5	7.7	7.4	7.6	7.6	7.3	7.5	7.5	7.4	7.5
23	7.7	7.2	7.5	7.7	7.4	7.5	7.6	7.3	7.5	7.6	7.4	7.5
24	7.8	7.3	7.5	7.7	7.3	7.5	7.6	7.4	7.5	7.6	7.4	7.5
25	7.8	7.2	7.5	7.6	7.3	7.4	7.6	7.3	7.5	7.6	7.4	7.5
26	7.8	7.1	7.5	7.7	7.2	7.5	7.6	7.3	7.5	7.6	7.4	7.5
27	7.8	7.2	7.5	7.6	7.2	7.3	7.6	7.3	7.5	7.6	7.3	7.5
28	7.8	7.4	7.6	7.6	7.2	7.5	7.6	7.4	7.5	7.6	7.4	7.5
29	7.8	7.3	7.6	7.6	7.2	7.5	7.6	7.3	7.5	7.6	7.4	7.5
30	7.8	7.4	7.6	7.7	7.2	7.4	7.6	7.4	7.5	7.6	7.4	7.5
31	7.7	7.3	7.5	---	---	---	7.6	7.4	7.5	7.6	7.4	7.5
MAX	8.0	7.7	7.8	7.8	7.4	7.6	7.7	7.4	7.5	7.6	7.4	7.5
MIN	7.7	7.1	7.5	7.6	7.2	7.3	7.4	7.2	7.3	7.3	7.1	7.2
	FEBRUARY			MARCH			APRIL			MAY		
1	7.6	7.4	7.5	7.7	7.4	7.5	7.5	7.4	7.5	7.6	7.4	7.5
2	7.6	7.4	7.5	7.7	7.5	7.5	7.6	7.4	7.5	7.6	7.3	7.4
3	7.6	7.4	7.5	7.7	7.4	7.5	7.6	7.3	7.5	7.6	7.4	7.5
4	7.6	7.4	7.5	7.7	7.4	7.5	7.6	7.4	7.5	7.6	7.3	7.5
5	7.6	7.4	7.5	7.7	7.4	7.5	7.6	7.3	7.5	7.6	7.3	7.5
6	7.6	7.4	7.5	7.7	7.4	7.5	7.6	7.3	7.5	7.5	7.3	7.4
7	7.6	7.4	7.5	7.7	7.3	7.5	7.6	7.3	7.5	7.6	7.3	7.5
8	7.6	7.3	7.5	7.7	7.4	7.5	7.6	7.4	7.5	7.6	7.4	7.5
9	7.7	7.3	7.5	7.7	7.4	7.5	7.6	7.4	7.5	7.6	7.4	7.5
10	7.6	7.4	7.5	7.7	7.4	7.5	7.6	7.4	7.5	7.6	7.4	7.5
11	7.7	7.4	7.5	7.6	7.4	7.5	7.6	7.4	7.5	7.6	7.3	7.4
12	7.6	7.4	7.5	7.7	7.4	7.5	7.6	7.4	7.5	7.6	7.3	7.5
13	7.7	7.4	7.5	7.7	7.4	7.5	7.6	7.4	7.5	7.6	7.3	7.5
14	7.6	7.4	7.5	7.7	7.4	7.5	7.5	7.4	7.5	7.6	7.3	7.5
15	7.7	7.4	7.5	7.7	7.4	7.6	7.6	7.4	7.5	7.6	7.3	7.5
16	7.7	7.4	7.5	7.7	7.4	7.5	7.6	7.3	7.5	7.6	7.4	7.5
17	7.7	7.4	7.5	7.7	7.4	7.5	7.5	7.3	7.5	7.6	7.4	7.5
18	7.7	7.4	7.5	7.7	7.4	7.5	7.6	7.4	7.5	7.6	7.4	7.5
19	7.6	7.4	7.5	7.7	7.4	7.5	7.6	7.4	7.5	7.6	7.3	7.5
20	7.7	7.4	7.5	7.6	7.4	7.5	7.6	7.3	7.5	7.6	7.4	7.5
21	7.7	7.4	7.5	7.7	7.4	7.5	7.6	7.3	7.5	7.6	7.4	7.5
22	7.7	7.4	7.5	7.7	7.4	7.5	7.6	7.4	7.4	7.6	7.4	7.5
23	7.7	7.4	7.5	7.6	7.4	7.5	7.5	7.3	7.4	7.6	7.4	7.5
24	7.7	7.4	7.5	7.7	7.4	7.5	7.5	7.3	7.4	7.7	7.4	7.5
25	7.7	7.4	7.5	7.7	7.4	7.5	7.6	7.3	7.4	7.7	7.4	7.5
26	7.7	7.4	7.5	7.6	7.4	7.5	7.5	7.3	7.4	7.7	7.3	7.5
27	7.7	7.4	7.6	7.4	7.3	7.3	7.5	7.3	7.5	7.6	7.3	7.4
28	7.7	7.4	7.5	7.5	7.3	7.4	7.6	7.4	7.5	7.6	7.3	7.4
29	---	---	---	7.5	7.4	7.4	7.6	7.3	7.5	7.6	7.3	7.5
30	---	---	---	7.5	7.3	7.5	7.6	7.3	7.5	7.7	7.3	7.5
31	---	---	---	7.6	7.4	7.5	---	---	---	7.6	7.3	7.5
MAX	7.7	7.4	7.6	7.7	7.5	7.6	7.6	7.4	7.5	7.7	7.4	7.5
MIN	7.6	7.3	7.5	7.4	7.3	7.3	7.5	7.3	7.4	7.5	7.3	7.4

14179000 BREITENBUSH RIVER ABOVE FRENCH CREEK, NEAR DETROIT, 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	7.4	7.5	7.8	7.4	7.6	7.8	7.5	7.6	7.8	7.4	7.6
2	7.6	7.3	7.4	7.8	7.5	7.7	7.8	7.4	7.5	7.9	7.5	7.6
3	7.7	7.3	7.5	7.8	7.4	7.7	7.8	7.5	7.5	8.0	7.5	7.6
4	7.7	7.3	7.5	7.8	7.5	7.6	7.8	7.4	7.5	7.9	7.4	7.6
5	7.6	7.3	7.5	7.8	7.5	7.6	7.8	7.4	7.5	7.9	7.3	7.6
6	7.6	7.3	7.4	7.8	7.4	7.6	7.8	7.4	7.5	8.0	7.4	7.6
7	7.6	7.3	7.4	7.8	7.4	7.6	7.8	7.4	7.5	7.9	7.3	7.6
8	7.5	7.3	7.4	7.7	7.4	7.5	7.8	7.4	7.5	8.0	7.5	7.6
9	7.6	7.2	7.4	7.8	7.4	7.5	7.8	7.5	7.5	7.9	7.5	7.7
10	7.6	7.2	7.4	7.7	7.4	7.5	7.8	7.4	7.5	7.9	7.5	7.6
11	7.6	7.3	7.5	7.7	7.4	7.5	7.8	7.4	7.5	7.9	7.5	7.7
12	7.6	7.3	7.5	7.8	7.4	7.5	7.8	7.4	7.5	7.9	7.5	7.7
13	7.6	7.3	7.5	7.7	7.4	7.5	7.8	7.4	7.5	7.8	7.5	7.6
14	7.6	7.3	7.5	7.7	7.3	7.5	7.8	7.3	7.5	7.9	7.2	7.6
15	7.6	7.3	7.4	7.7	7.3	7.5	7.8	7.4	7.5	7.9	7.3	7.5
16	7.6	7.3	7.5	7.7	7.4	7.5	7.8	7.3	7.5	7.7	7.3	7.5
17	7.7	7.3	7.5	7.7	7.3	7.5	7.8	7.4	7.5	7.9	7.4	7.6
18	7.6	7.3	7.5	7.7	7.3	7.5	7.8	7.3	7.5	7.7	7.3	7.5
19	7.7	7.3	7.5	7.7	7.3	7.5	7.8	7.4	7.5	7.7	7.4	7.5
20	7.7	7.3	7.5	7.7	7.3	7.5	7.8	7.4	7.5	7.8	7.4	7.5
21	7.7	7.3	7.5	7.7	7.3	7.4	7.8	7.3	7.5	7.8	7.3	7.6
22	7.7	7.3	7.5	7.7	7.3	7.5	7.8	7.4	7.5	7.8	7.4	7.5
23	7.7	7.3	7.5	7.7	7.3	7.4	7.7	7.4	7.5	7.8	7.3	7.6
24	7.7	7.3	7.5	7.7	7.3	7.4	7.9	7.3	7.5	7.8	7.4	7.6
25	7.8	7.3	7.6	7.7	7.3	7.4	7.8	7.4	7.6	7.8	7.3	7.6
26	7.7	7.4	7.6	7.6	7.3	7.4	8.0	7.5	7.6	7.7	7.4	7.5
27	7.7	7.4	7.6	7.8	7.3	7.4	7.9	7.4	7.6	7.8	7.4	7.5
28	7.7	7.4	7.6	7.8	7.5	7.6	7.9	7.5	7.6	7.8	7.4	7.6
29	7.7	7.3	7.6	7.8	7.4	7.6	7.9	7.5	7.7	7.8	7.4	7.6
30	7.8	7.4	7.6	7.8	7.5	7.5	7.9	7.5	7.6	7.7	7.3	7.5
31	---	---	---	7.8	7.5	7.5	7.9	7.4	7.6	---	---	---
MAX	7.8	7.4	7.6	7.8	7.5	7.7	8.0	7.5	7.7	8.0	7.5	7.7
MIN	7.5	7.2	7.4	7.6	7.3	7.4	7.7	7.3	7.5	7.7	7.2	7.5

YEAR			
	MAX	MAXIMUM 8.0	MINIMUM 7.3
	MIN	MAXIMUM 7.7	MINIMUM 7.1
	MEDIAN	MAXIMUM 7.8	MINIMUM 7.2

14179000 BREITENBUSH RIVER ABOVE FRENCH CREEK, NEAR DETROIT, 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	10.7	8.7	9.7	7.1	5.6	6.3	5.5	4.4	4.8	4.7	4.0	4.2
2	10.1	8.4	9.4	7.8	6.9	7.3	5.3	4.6	4.9	4.2	3.3	3.6
3	10.0	8.5	9.4	7.1	5.8	6.6	4.9	4.3	4.5	3.4	2.5	2.8
4	9.7	8.2	9.1	6.2	5.1	5.6	5.3	4.4	4.7	2.9	1.9	2.2
5	9.8	8.3	9.1	6.3	4.7	5.4	5.2	4.6	4.8	2.6	1.1	1.6
6	10.6	9.7	10.2	6.4	4.8	5.5	5.1	3.6	4.0	3.8	2.4	3.0
7	10.9	9.9	10.4	7.0	5.3	6.1	4.9	3.6	4.2	4.0	3.3	3.4
8	10.6	9.9	10.2	6.7	5.3	6.0	5.8	4.6	5.3	3.9	2.9	3.3
9	10.2	9.1	9.6	7.3	6.3	6.8	6.3	5.8	6.0	3.7	3.2	3.4
10	9.7	8.7	9.2	7.5	6.8	7.1	6.5	6.0	6.2	3.8	3.0	3.4
11	9.1	7.5	8.3	7.3	6.3	6.7	6.5	6.1	6.4	3.0	1.7	2.2
12	9.3	7.8	8.5	7.0	5.5	6.2	6.1	5.3	5.7	3.5	2.2	2.7
13	9.7	8.4	9.1	7.4	6.7	7.0	6.3	5.2	5.6	4.1	3.1	3.5
14	9.6	8.0	8.8	6.8	5.8	6.4	6.7	6.2	6.4	3.8	2.7	3.2
15	9.2	8.2	8.8	7.2	5.8	6.4	6.2	5.3	5.7	2.8	2.0	2.4
16	9.9	9.0	9.4	7.7	7.0	7.2	5.5	4.6	5.0	3.9	2.6	3.2
17	9.7	8.7	9.3	7.2	6.1	6.6	6.0	5.0	5.5	3.9	3.5	3.6
18	8.7	8.0	8.2	6.6	6.0	6.3	5.8	5.1	5.5	5.1	3.8	4.7
19	8.9	7.9	8.4	6.4	5.6	6.1	6.3	5.3	5.7	5.3	4.9	5.1
20	9.0	8.1	8.5	5.6	4.2	4.8	6.0	4.9	5.4	5.5	4.8	5.1
21	8.9	8.2	8.6	4.2	3.3	3.8	4.9	4.1	4.5	5.2	4.5	4.9
22	8.5	7.5	8.0	5.3	3.8	4.4	5.4	4.5	4.9	5.5	4.5	4.9
23	8.5	7.5	8.1	6.2	5.0	5.5	5.0	4.0	4.3	5.5	4.7	5.1
24	7.9	7.0	7.4	7.2	6.1	6.6	4.2	3.4	3.7	5.1	4.3	4.7
25	7.7	6.4	7.0	7.2	6.5	6.9	4.9	3.7	4.1	5.5	4.4	4.9
26	7.9	7.1	7.4	6.6	5.8	6.1	5.0	4.5	4.7	6.0	5.1	5.5
27	7.8	6.8	7.3	6.1	5.0	5.6	4.8	4.1	4.4	5.9	5.3	5.6
28	7.4	6.5	6.9	5.4	4.2	4.6	4.9	3.9	4.3	5.6	4.8	5.2
29	7.9	7.1	7.4	4.6	3.1	3.7	5.3	4.6	4.8	5.4	4.6	5.0
30	7.9	6.9	7.3	5.0	3.8	4.3	5.0	4.4	4.7	5.1	4.7	4.9
31	7.3	6.0	6.7	---	---	---	4.5	4.0	4.2	5.4	4.6	5.0
MONTH	10.9	6.0	8.6	7.8	3.1	5.9	6.7	3.4	5.0	6.0	1.1	3.9
	FEBRUARY			MARCH			APRIL			MAY		
1	4.6	3.6	4.1	5.7	4.7	5.3	6.3	5.3	5.6	8.6	6.8	7.7
2	4.2	3.4	3.9	6.0	5.1	5.6	6.4	4.9	5.6	8.9	7.3	8.0
3	4.6	3.5	4.0	5.5	3.8	4.7	6.1	5.2	5.6	10.2	7.1	8.5
4	5.0	4.0	4.5	6.1	4.2	5.2	6.1	4.6	5.3	9.8	7.8	8.7
5	4.9	4.0	4.5	6.0	5.0	5.6	7.0	4.8	5.8	8.7	7.6	8.1
6	4.5	3.5	4.1	6.0	4.2	5.2	7.7	5.5	6.5	8.3	7.4	7.8
7	4.4	3.4	3.9	6.7	4.9	5.8	7.0	5.7	6.3	9.1	7.0	7.8
8	4.2	3.3	3.7	6.7	5.4	6.1	6.6	4.8	5.6	9.0	7.4	8.0
9	4.1	3.2	3.6	6.7	5.0	5.9	6.4	5.4	5.9	8.1	6.9	7.4
10	3.9	2.8	3.4	7.0	5.2	6.2	6.8	5.1	5.9	7.5	6.1	6.8
11	4.2	2.8	3.4	7.2	5.2	6.3	6.9	5.8	6.2	9.2	6.7	7.7
12	4.4	3.2	3.7	7.1	5.5	6.4	5.9	4.9	5.2	9.9	7.4	8.4
13	4.5	3.8	4.2	6.5	4.3	5.4	6.1	4.4	5.1	9.6	7.4	8.4
14	4.5	3.4	3.9	5.9	3.9	5.0	6.6	4.3	5.3	10.3	8.2	9.1
15	3.6	2.1	2.9	5.9	3.9	5.1	6.4	4.3	5.4	9.4	8.2	8.8
16	3.5	2.4	2.9	5.8	4.6	5.2	7.0	5.9	6.3	8.5	7.4	7.9
17	3.4	2.1	2.8	6.0	4.8	5.5	6.4	5.1	5.7	8.0	6.8	7.4
18	4.0	2.6	3.3	6.2	5.1	5.6	7.0	4.8	5.7	9.1	7.3	8.0
19	4.4	3.2	3.7	6.7	5.8	6.2	7.4	5.0	6.0	8.8	7.1	7.8
20	4.8	3.6	4.2	6.6	5.8	6.2	8.0	5.3	6.5	8.2	7.1	7.6
21	4.6	3.6	4.2	6.0	4.6	5.4	8.1	6.0	7.0	7.8	6.7	7.2
22	4.6	3.2	3.9	5.5	4.7	5.2	8.5	6.0	7.2	9.2	7.0	7.9
23	4.4	3.0	3.7	5.3	4.5	4.8	7.6	6.2	6.6	10.2	6.7	8.2
24	4.5	3.0	3.8	5.2	3.9	4.7	7.3	5.8	6.5	10.5	6.2	8.2
25	4.9	3.1	4.0	6.0	4.4	5.2	7.6	6.5	7.0	11.4	6.7	8.9
26	4.8	3.3	4.1	5.8	4.9	5.4	8.8	6.5	7.5	12.3	7.8	9.9
27	5.5	3.6	4.6	5.8	5.4	5.7	9.2	6.3	7.7	12.3	8.3	10.2
28	5.7	4.8	5.3	5.4	4.9	5.2	8.9	7.2	8.0	10.8	9.1	9.9
29	---	---	---	4.9	4.0	4.5	7.8	7.0	7.3	10.6	9.0	9.7
30	---	---	---	5.6	4.5	5.0	9.7	6.9	8.1	10.8	8.6	9.6
31	---	---	---	6.7	4.6	5.5	---	---	---	10.4	9.0	9.5
MONTH	5.7	2.1	3.9	7.2	3.8	5.5	9.7	4.3	6.3	12.3	6.1	8.4

14179000 BREITENBUSH RIVER ABOVE FRENCH CREEK, NEAR DETROIT, 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	9.5	8.4	9.0	14.9	10.9	13.0	15.4	13.0	14.3	13.7	11.2	12.5
2	9.4	8.1	8.7	14.2	10.5	12.5	15.3	12.0	13.8	14.0	11.9	12.9
3	11.3	8.2	9.5	14.2	10.0	12.2	14.6	11.3	13.3	13.3	11.8	12.5
4	11.2	7.6	9.4	14.7	10.3	12.7	15.4	11.9	13.8	12.6	10.8	11.7
5	10.2	8.1	8.7	15.1	11.1	13.3	16.1	12.8	14.6	12.3	9.8	11.1
6	9.0	7.2	8.0	14.7	12.1	12.9	15.9	12.6	14.5	12.4	10.2	11.3
7	9.0	7.1	7.9	14.6	10.8	12.6	15.6	12.6	14.4	13.0	10.7	11.7
8	10.8	7.4	8.9	14.0	10.8	11.7	15.8	12.6	14.4	13.3	10.9	12.0
9	11.6	7.6	9.5	13.2	10.6	11.9	15.6	12.5	14.2	12.3	10.6	11.5
10	10.5	8.3	9.4	12.6	10.9	11.8	15.2	12.2	13.9	10.7	10.1	10.4
11	10.1	8.7	9.4	15.0	10.9	12.9	14.6	11.6	13.3	11.2	9.4	10.2
12	11.2	8.1	9.5	15.4	12.0	13.9	14.7	11.4	13.1	11.2	9.1	10.1
13	11.7	8.6	10.0	15.0	11.4	13.5	15.2	12.1	13.7	11.4	9.3	10.3
14	10.8	9.0	9.8	14.9	10.9	13.2	15.0	11.8	13.5	11.5	9.4	10.4
15	11.8	8.2	9.9	15.7	11.8	14.0	14.9	11.6	13.4	11.3	9.9	10.5
16	11.2	9.0	9.8	15.8	12.5	14.3	15.2	12.3	13.8	10.2	9.5	9.8
17	10.1	8.6	9.3	15.4	11.5	13.8	14.1	12.2	13.3	11.0	9.5	10.1
18	10.3	8.4	9.3	16.0	12.0	14.3	14.3	11.3	12.8	10.3	8.4	9.3
19	11.3	8.3	9.8	15.8	12.5	14.5	14.9	11.9	13.4	10.5	8.5	9.4
20	13.2	9.0	10.9	15.5	11.8	14.0	15.2	12.1	13.7	10.6	8.7	9.6
21	12.7	9.8	11.2	15.2	11.9	14.0	15.6	12.7	14.2	10.0	8.2	9.1
22	11.6	9.7	10.7	16.1	13.3	14.7	15.1	13.0	14.1	9.9	8.3	9.1
23	13.4	8.8	10.9	15.8	12.2	14.2	13.9	11.6	12.9	10.3	8.9	9.5
24	13.0	9.8	11.6	15.2	11.9	13.9	13.3	10.5	12.0	9.1	7.2	8.2
25	14.1	10.1	12.0	15.0	11.4	13.5	13.6	10.6	12.2	8.7	6.9	7.8
26	12.8	9.7	11.2	15.3	11.8	13.9	14.2	11.6	12.9	9.0	7.2	8.1
27	11.7	10.0	10.7	15.5	11.8	14.0	14.0	11.4	12.7	9.5	7.8	8.5
28	12.2	9.8	10.8	16.1	12.7	14.7	13.8	11.0	12.5	9.6	8.0	8.7
29	14.0	9.4	11.6	15.9	12.5	14.5	13.3	11.7	12.5	9.8	8.3	9.0
30	14.6	10.1	12.5	15.9	12.4	14.5	13.7	11.0	12.1	10.8	9.6	10.4
31	---	---	---	16.0	12.7	14.6	13.5	10.8	12.2	---	---	---
MONTH	14.6	7.1	10.0	16.1	10.0	13.5	16.1	10.5	13.4	14.0	6.9	10.2
YEAR	16.1	1.1	7.9									

14179000 BREITENBUSH RIVER ABOVE FRENCH CREEK, NEAR DETROIT, 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	<1	<1	<1	<1	<1	<1
2	<1	<1	<1	8	<1	<1	<1	<1	<1	4	<1	<1
3	<1	<1	<1	8	<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	<1	<1	<1	<1	<1	<1	<1	<1	<1
6	2	<1	<1	2	<1	<1	<1	<1	<1	<1	<1	<1
7	<1	<1	<1	<1	<1	<1	1	<1	<1	<1	<1	<1
8	2	<1	<1	<1	<1	<1	24	<1	11	<1	<1	<1
9	2	<1	<1	<1	<1	<1	44	3	5	<1	<1	<1
10	<1	<1	<1	<1	<1	<1	47	8	20	<1	<1	<1
11	<1	<1	<1	<1	<1	<1	21	7	12	1	<1	<1
12	1	<1	<1	<1	<1	<1	8	2	4	1	<1	<1
13	<1	<1	<1	<1	<1	<1	3	<1	2	6	<1	<1
14	<1	<1	<1	<1	<1	<1	3	<1	1	<1	<1	<1
15	<1	<1	<1	<1	<1	<1	2	<1	<1	<1	<1	<1
16	1	<1	<1	<1	<1	<1	3	<1	<1	2	<1	<1
17	<1	<1	<1	<1	<1	<1	<1	<1	<1	21	<1	<1
18	4	<1	1	2	<1	<1	1	<1	<1	88	15	53
19	2	<1	<1	<1	<1	<1	1	<1	<1	18	3	6
20	4	<1	<1	1	<1	<1	<1	<1	<1	5	1	2
21	1	<1	<1	<1	<1	<1	<1	<1	<1	3	<1	1
22	1	<1	<1	2	<1	<1	2	<1	<1	1	<1	<1
23	<1	<1	<1	<1	<1	<1	2	<1	<1	<1	<1	<1
24	2	<1	<1	<1	<1	<1	<1	<1	<1	1	<1	<1
25	<1	<1	<1	5	<1	<1	<1	<1	<1	<1	<1	<1
26	<1	<1	<1	5	<1	<1	<1	<1	<1	<1	<1	<1
27	<1	<1	<1	9	<1	<1	<1	<1	<1	<1	<1	<1
28	<1	<1	<1	3	<1	<1	<1	<1	<1	<1	<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	<1	<1	<1
31	<1	<1	<1	---	---	---	<1	<1	<1	<1	<1	<1
MAX	4	<1	1	9	<1	<1	47	8	20	88	15	53
MIN	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
	FEBRUARY			MARCH			APRIL			MAY		
1	3	<1	<1	<1	<1	<1	<1	<1	<1	1	<1	<1
2	<1	<1	<1	<1	<1	<1	3	<1	<1	1	<1	<1
3	<1	<1	<1	<1	<1	<1	2	<1	<1	<1	<1	<1
4	2	<1	<1	<1	<1	<1	1	<1	<1	3	<1	<1
5	<1	<1	<1	<1	<1	<1	<1	<1	<1	516	<1	<1
6	<1	<1	<1	<1	<1	<1	<1	<1	<1	66	2	5
7	<1	<1	<1	4	<1	<1	3	<1	<1	3	<1	1
8	1	<1	<1	<1	<1	<1	<1	<1	<1	2	<1	<1
9	2	<1	<1	<1	<1	<1	<1	<1	<1	4	<1	1
10	<1	<1	<1	<1	<1	<1	2	<1	<1	2	<1	<1
11	<1	<1	<1	<1	<1	<1	<1	<1	<1	1	<1	<1
12	<1	<1	<1	<1	<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	4	<1	<1	<1	<1	<1	1	<1	<1
15	<1	<1	<1	3	<1	<1	<1	<1	<1	11	<1	2
16	3	<1	<1	3	<1	<1	2	<1	<1	4	<1	2
17	<1	<1	<1	<1	<1	<1	2	<1	<1	2	<1	<1
18	<1	<1	<1	<1	<1	<1	<1	<1	<1	7	<1	<1
19	<1	<1	<1	2	<1	<1	<1	<1	<1	4	<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	2	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
24	<1	<1	<1	3	<1	<1	2	<1	<1	<1	<1	<1
25	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
26	<1	<1	<1	24	<1	<1	1	<1	<1	3	<1	<1
27	<1	<1	<1	73	19	36	<1	<1	<1	<1	<1	<1
28	<1	<1	<1	27	4	9	1	<1	<1	<1	<1	<1
29	---	---	---	6	2	3	1	<1	<1	<1	<1	<1
30	---	---	---	3	<1	2	2	<1	<1	2	<1	<1
31	---	---	---	3	<1	<1	---	---	---	<1	<1	<1
MAX	3	<1	<1	73	19	36	3	<1	<1	516	2	5
MIN	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

14179000 BREITENBUSH RIVER ABOVE FRENCH CREEK, NEAR DETROIT, 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	2	<1	<1	5	<1	<1	<1	<1	<1	<1	<1	<1
3	<1	<1	<1	---	---	---	1	<1	<1	<1	<1	<1
4	<1	<1	<1	---	---	---	<1	<1	<1	1	<1	<1
5	<1	<1	<1	2	<1	<1	<1	<1	<1	2	<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	<1	<1	<1
8	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
9	<1	<1	<1	<1	<1	<1	<1	<1	<1	3	<1	<1
10	<1	<1	<1	<1	<1	<1	1	<1	<1	<1	<1	<1
11	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
12	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
13	<1	<1	<1	<1	<1	<1	2	<1	<1	<1	<1	<1
14	<1	<1	<1	<1	<1	<1	2	<1	<1	<1	<1	<1
15	1	<1	<1	4	<1	<1	<1	<1	<1	<1	<1	<1
16	1	<1	<1	2	<1	<1	1	<1	<1	<1	<1	<1
17	4	<1	<1	3	<1	1	<1	<1	<1	<1	<1	<1
18	2	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
19	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
20	2	<1	<1	<1	<1	<1	2	<1	<1	7	<1	<1
21	5	<1	<1	4	<1	<1	<1	<1	<1	1	<1	<1
22	<1	<1	<1	<1	<1	<1	<1	<1	<1	6	<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
25	2	<1	<1	---	---	---	6	<1	<1	6	<1	<1
26	1	<1	<1	---	---	---	<1	<1	<1	<1	<1	<1
27	<1	<1	<1	5	<1	<1	3	<1	<1	<1	<1	<1
28	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<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	<1	<1	<1
31	---	---	---	<1	<1	<1	<1	<1	<1	---	---	---
MAX	5	<1	<1	5	<1	1	6	<1	<1	7	<1	<1
MIN	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

14179100 FRENCH CREEK NEAR DETROIT, OR

LOCATION.--Lat 44°45'38", long 122°10'02", in NW ¼ SW ¼ sec.26, T.9 S., R.5 E. Marion County, Hydrologic Unit 17090005, on right bank 25 ft upstream from bridge over French Creek, 1.9 northeast of Detroit, and at mile 1.7.

DRAINAGE AREA.--9.9 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 2001 to September 2005 (discontinued).

GAGE.--Water-stage recorder. Elevation of gage is approximately 1,800 ft above NGVD of 1929, from topographic map.

REMARKS.--Records poor. No regulation or diversion upstream from station.

AVERAGE DISCHARGE.--4 years (water years 2002-05), 71.6 ft^3/s, 98.22 in/yr, 51,850 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,530 ft^3/s Jan. 29, 2004, gage height, 5.93 ft; minimum discharge, 2.7 ft^3/s Sept. 25, 26, 2002.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 600 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec 10	0230	1,040	4.86	Mar 27	1300	776	4.54
Jan 18	1000	*1,090	*4.91				

Minimum discharge, 2.8 ft^3/s, Sept. 27-30, gage height, 4.33 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	18	108	43	27	e40	31	129	54	40	19	5.8	3.4
2	16	220	39	26	38	31	123	50	55	17	5.7	3.3
3	16	217	35	25	36	30	102	44	47	16	5.5	3.3
4	15	142	34	23	40	28	91	42	40	15	5.4	3.2
5	14	90	32	22	44	27	77	39	46	14	5.2	3.2
6	21	64	31	22	41	25	80	43	79	14	5.1	3.2
7	19	51	35	22	38	25	118	44	132	13	4.9	3.1
8	18	42	298	21	37	25	127	46	121	13	4.8	3.1
9	36	37	528	20	35	25	114	64	87	13	4.7	3.2
10	33	33	671	19	34	24	92	109	65	13	4.6	6.7
11	27	29	511	18	34	24	116	121	60	12	4.6	4.6
12	24	27	281	18	35	22	106	92	61	11	4.5	3.8
13	21	24	169	19	39	21	87	70	55	11	4.4	3.5
14	20	22	170	17	36	20	74	57	48	10	4.2	3.4
15	18	21	140	19	34	18	66	e70	42	9.9	4.1	3.3
16	17	21	104	27	33	19	131	e90	41	9.7	4.1	3.4
17	24	19	80	129	30	23	167	e80	48	9.3	4.1	3.6
18	112	22	71	798	30	21	131	e120	47	9.0	4.1	3.4
19	128	21	64	340	32	34	104	138	44	8.6	4.0	3.2
20	79	20	56	215	38	42	90	131	43	8.3	3.9	3.1
21	105	19	e48	154	36	42	87	128	38	8.0	3.8	3.1
22	140	18	43	118	35	40	88	107	34	7.9	3.8	3.0
23	185	18	38	92	33	40	114	82	31	7.6	3.8	3.0
24	163	46	35	77	31	38	122	64	28	7.3	3.8	3.0
25	116	239	34	66	31	37	100	53	25	7.1	3.6	3.0
26	84	172	34	56	30	90	85	45	24	6.9	3.6	2.9
27	63	101	31	51	29	512	96	39	24	6.7	3.5	2.8
28	51	69	29	e44	31	370	111	35	24	6.5	3.5	2.8
29	45	53	29	e45	---	223	81	31	22	6.2	3.7	2.8
30	83	46	28	e43	---	157	65	28	20	6.0	3.7	3.7
31	115	---	27	e42	---	117	---	26	---	5.9	3.5	---
TOTAL	1,826	2,011	3,768	2,615	980	2,181	3,074	2,142	1,471	321.9	134.0	101.1
MEAN	58.9	67.0	122	84.4	35.0	70.4	102	69.1	49.0	10.4	4.32	3.37
MAX	185	239	671	798	44	512	167	138	132	19	5.8	6.7
MIN	14	18	27	17	29	18	65	26	20	5.9	3.5	2.8
AC-FT	3,620	3,990	7,470	5,190	1,940	4,330	6,100	4,250	2,920	638	266	201
CFSM	5.95	6.77	12.3	8.52	3.54	7.11	10.4	6.98	4.95	1.05	0.44	0.34
IN.	6.86	7.56	14.16	9.83	3.68	8.20	11.55	8.05	5.53	1.21	0.50	0.38

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2005, BY WATER YEAR (WY)

MEAN	28.9	67.0	118	144	68.6	113	125	95.2	58.4	10.3	13.0	17.3
MAX	58.9	108	154	202	87.0	197	210	131	105	14.6	38.1	54.2
(WY)	(2005)	(2002)	(2002)	(2004)	(2003)	(2003)	(2002)	(2002)	(2002)	(2002)	(2004)	(2004)
MIN	4.49	29.8	63.6	84.4	35.0	70.4	85.1	69.1	20.4	7.03	4.25	3.37
(WY)	(2003)	(2003)	(2003)	(2005)	(2005)	(2005)	(2004)	(2005)	(2003)	(2003)	(2002)	(2005)

14179100 FRENCH CREEK NEAR DETROIT, OR—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 2002 - 2005	
ANNUAL TOTAL	29,888.8		20,625.0			
ANNUAL MEAN	81.7		56.5		71.6	
HIGHEST ANNUAL MEAN					85.0	2002
LOWEST ANNUAL MEAN					56.5	2005
HIGHEST DAILY MEAN	1,560	Jan 29	798	Jan 18	1,560	Jan 29, 2004
LOWEST DAILY MEAN	5.3	Aug 21	2.8	Sep 27	2.1	Oct 3, 2001
ANNUAL SEVEN-DAY MINIMUM	5.5	Aug 15	2.9	Sep 23	2.2	Oct 1, 2001
ANNUAL RUNOFF (AC-FT)	59,280		40,910		51,850	
ANNUAL RUNOFF (CFSM)	8.25		5.71		7.23	
ANNUAL RUNOFF (INCHES)	112.31		77.50		98.22	
10 PERCENT EXCEEDS	163		122		157	
50 PERCENT EXCEEDS	56		33		42	
90 PERCENT EXCEEDS	8.7		3.8		4.8	

e Estimated

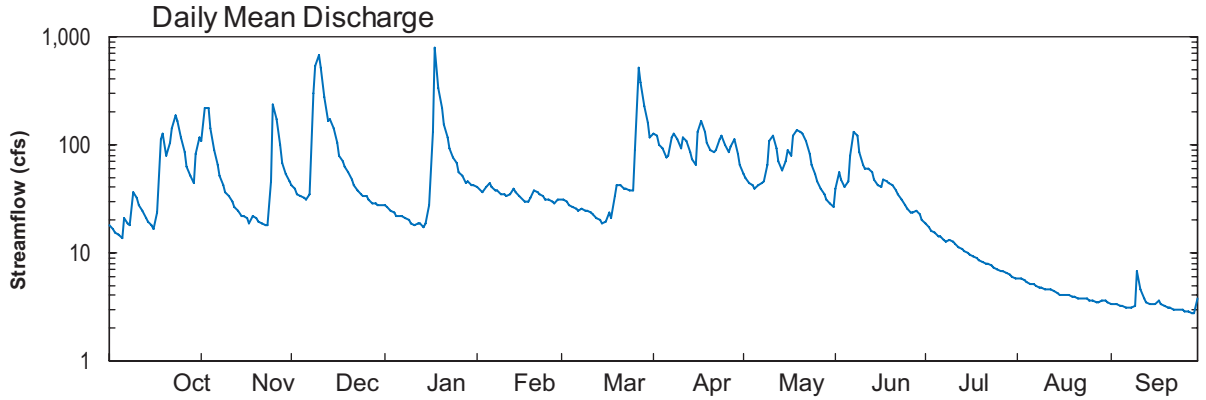
2005 Water Year

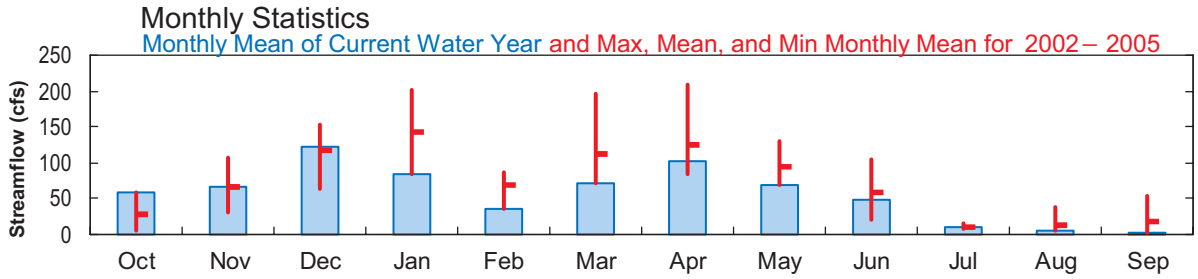
SANTIAM RIVER BASIN

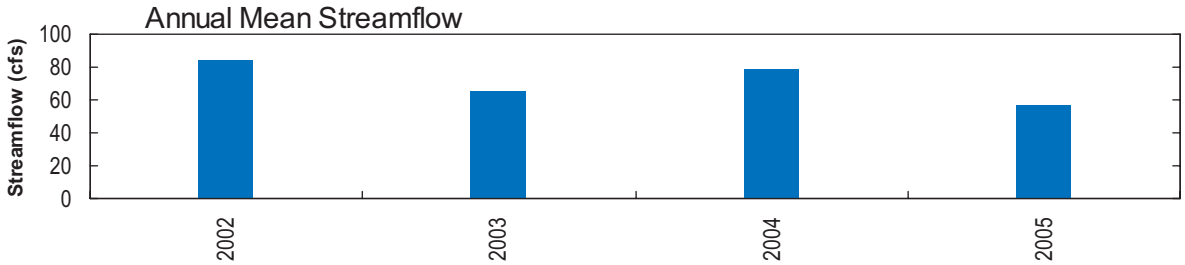
14179100 FRENCH CREEK NEAR DETROIT, OR

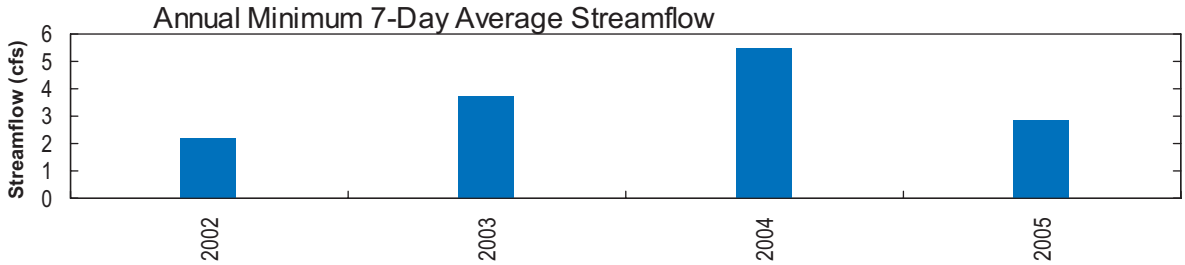
Latitude: 44° 45 ' 38" Longitude: 122° 10 ' 02" Hydrologic Unit Code: 17090005

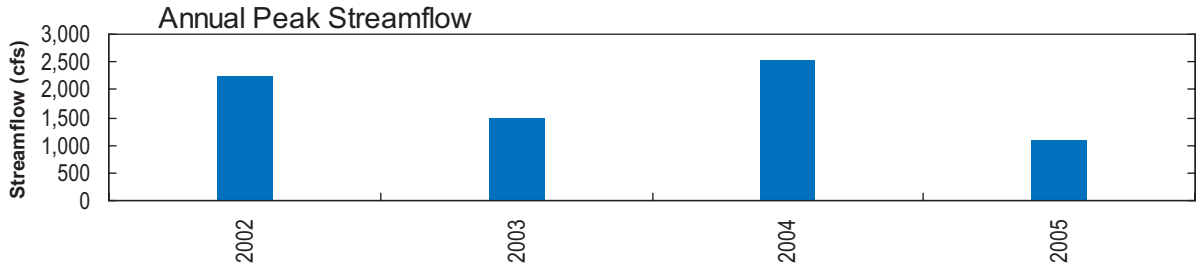
Marion County Datum: 1800 feet Drainage Area: 9.9 mi²











WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: June 2001 to September 2005 (discontinued).
pH: June 2001 to September 2005 (discontinued).
WATER TEMPERATURE: June 2001 to September 2005 (discontinued).
TURBIDITY: June 2001 to September 2005 (discontinued).

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 Oct. 4-13, Apr. 20-27, July 3-8, 18-27, Sept. 5-14, which are good.
WATER TEMPERATURE: Records excellent.
TURBIDITY: Records 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, 43 microsiemens Sept. 4-7, 2003; minimum, 15 microsiemens Apr. 14, 2002, Mar 14, 2003, Jan. 29, May 25, 26, June 3, 2004.
pH: Maximum, 7.6 units July 13, 15, 17, 2001, June 18, Aug. 7-11, 2002, Apr. 30, 2003; minimum, 6.1 units Apr. 15, 2002.
WATER TEMPERATURE: Maximum, 15.3°C Aug. 16, 2004; minimum, 0.1°C Jan. 22, 2002, Jan. 6, 2004.
TURBIDITY: Maximum, 589 FNU Jan. 31, 2003; minimum, <1 FNU many days each year.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 41 microsiemens Sept. 8, 9, 20, 21; minimum, 17 microsiemens Dec. 10-12, 19.
pH: Maximum, 7.5 units many days in January, March, September, but may have been higher during periods of missing record; minimum, 6.9 units Dec. 10, 11.
WATER TEMPERATURE: Maximum, 14.2°C Aug. 5; minimum, 2.1°C Jan. 5.
TURBIDITY: Maximum, 56 FNU Jan. 18; 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 diametr percent <.063mm (70331)	Suspended sediment concentration mg/L (80154)	Suspended sediment discharge, tons/d (80155)
DEC					
09...	0847	520	45	5	7.0
JAN					
18...	1106	1,020	--	26	72

14179100 FRENCH CREEK NEAR DETROIT, 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	29	25	27	26	24	25	26	25	25	27	26	27
2	29	25	27	24	21	23	26	25	26	28	27	27
3	29	25	27	24	22	23	26	26	26	28	28	28
4	27	26	26	25	23	24	26	26	26	28	26	28
5	28	26	27	24	24	24	26	26	26	28	28	28
6	29	26	28	26	24	25	28	24	26	29	28	28
7	30	26	28	26	25	26	26	25	26	28	28	28
8	30	27	28	26	26	26	25	21	22	29	28	28
9	29	26	27	26	26	26	21	18	20	29	26	28
10	28	24	27	26	26	26	19	17	18	28	26	28
11	28	25	27	27	26	26	19	17	18	29	28	28
12	28	27	28	27	26	27	21	17	20	29	28	28
13	28	26	27	27	27	27	21	19	20	30	28	29
14	29	25	27	28	27	27	21	19	20	29	29	29
15	29	24	27	28	27	28	22	19	21	29	28	29
16	29	24	26	28	28	28	23	22	22	28	27	28
17	29	24	26	28	28	28	24	23	23	27	21	25
18	27	24	26	28	27	28	24	23	23	22	18	19
19	25	24	25	28	28	28	24	17	22	22	19	21
20	26	22	25	28	28	28	20	18	19	22	20	21
21	26	22	24	28	28	28	21	20	20	22	21	22
22	25	24	24	29	28	28	22	21	22	22	22	22
23	24	22	24	29	28	29	23	22	23	22	22	22
24	24	23	24	29	24	26	24	23	24	23	22	22
25	24	23	24	24	21	22	26	24	25	24	22	24
26	25	23	24	24	22	23	25	24	25	24	24	24
27	25	23	24	24	23	24	25	25	25	24	24	24
28	24	24	24	25	24	24	26	25	25	24	24	24
29	24	24	24	25	24	25	26	25	26	24	24	24
30	26	24	24	25	24	25	26	26	26	24	24	24
31	26	24	24	---	---	---	27	26	26	24	24	24
MONTH	30	22	26	29	21	26	28	17	23	30	18	26
	FEBRUARY			MARCH			APRIL			MAY		
1	24	24	24	26	26	26	24	23	23	24	23	23
2	25	24	24	26	26	26	24	23	24	24	23	24
3	25	24	25	26	25	26	24	23	24	25	24	24
4	25	24	24	26	26	26	24	23	24	25	24	24
5	24	24	24	26	26	26	25	24	24	24	24	24
6	24	24	24	26	26	26	25	24	24	24	23	24
7	26	24	24	26	26	26	24	22	23	24	23	24
8	26	24	25	28	26	26	23	23	23	24	23	24
9	26	25	26	26	26	26	23	23	23	24	23	23
10	26	26	26	26	26	26	24	23	23	23	22	23
11	26	26	26	28	26	26	24	22	23	23	22	23
12	26	25	26	26	26	26	24	23	23	24	23	23
13	26	25	26	28	26	26	24	23	24	24	24	24
14	26	25	26	28	26	28	24	23	24	24	24	24
15	26	26	26	28	26	28	25	24	24	24	24	24
16	26	26	26	28	26	28	24	21	23	24	23	24
17	26	26	26	28	26	27	22	21	22	23	22	23
18	26	26	26	28	26	27	23	22	23	22	22	22
19	26	26	26	28	26	26	24	23	23	22	22	22
20	26	26	26	26	25	26	24	23	23	23	22	22
21	26	26	26	26	25	26	24	22	23	23	22	22
22	26	26	26	26	26	26	23	22	23	23	22	23
23	26	26	26	26	25	26	23	21	22	24	23	23
24	26	26	26	26	26	26	22	21	21	25	23	24
25	26	26	26	26	26	26	22	21	22	25	24	24
26	26	26	26	26	21	25	23	22	22	26	25	25
27	26	26	26	21	18	19	22	20	22	26	25	25
28	26	26	26	22	19	20	22	20	21	26	25	26
29	---	---	---	23	21	22	22	22	22	26	25	26
30	---	---	---	24	23	23	23	22	23	27	26	27
31	---	---	---	24	23	24	---	---	---	27	26	27
MONTH	26	24	26	28	18	26	25	20	23	27	22	24

14179100 FRENCH CREEK NEAR DETROIT, 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	27	24	26	29	28	28	35	34	34	40	38	39
2	25	24	24	30	28	28	35	34	35	40	39	39
3	25	24	25	30	28	28	35	34	35	40	39	39
4	26	25	25	29	28	28	35	34	35	40	39	39
5	26	23	25	29	28	29	36	35	35	40	39	39
6	24	22	23	30	28	29	36	35	35	40	39	39
7	23	22	22	30	28	29	36	35	35	40	39	39
8	23	22	23	31	29	30	36	35	36	41	39	40
9	24	23	23	30	29	29	36	35	36	41	39	40
10	25	24	24	31	29	30	37	35	36	39	36	37
11	24	24	24	31	30	31	36	35	36	39	38	38
12	24	23	24	31	30	31	36	35	36	39	38	39
13	25	24	24	31	31	31	36	36	36	40	39	39
14	25	24	25	32	31	31	37	36	36	40	39	40
15	26	25	25	32	31	32	37	36	36	40	39	40
16	26	25	26	33	31	32	37	36	37	40	38	39
17	25	24	25	33	32	32	37	36	36	40	38	39
18	26	25	25	33	32	33	37	36	37	40	39	39
19	26	25	26	33	33	33	37	36	37	40	39	40
20	26	25	26	34	33	33	37	37	37	41	39	40
21	26	26	26	34	32	33	38	37	37	41	39	40
22	27	26	26	34	32	33	38	37	37	40	39	40
23	27	26	27	33	32	33	38	37	37	40	38	40
24	28	26	27	33	32	33	38	37	37	40	38	40
25	28	27	27	33	33	33	38	36	37	40	38	39
26	28	27	27	34	33	33	38	37	37	40	38	39
27	28	27	27	35	33	34	39	37	37	40	38	39
28	28	27	27	34	34	34	38	36	37	40	38	39
29	28	27	28	34	34	34	38	37	37	40	39	39
30	29	28	28	35	34	34	38	37	37	40	35	39
31	---	---	---	35	34	34	39	37	38	---	---	---
MONTH	29	22	25	35	28	31	39	34	36	41	35	39
YEAR	41	17	28									

14179100 FRENCH CREEK NEAR DETROIT, 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	7.2	7.2	7.2	7.2	7.1	7.2	7.3	7.2	7.3	7.3	7.2	7.2
2	7.2	7.1	7.2	7.2	7.1	7.1	7.3	7.2	7.3	7.3	7.2	7.2
3	7.2	7.2	7.2	7.2	7.1	7.2	7.3	7.3	7.3	7.3	7.2	7.3
4	7.2	7.1	7.2	7.2	7.2	7.2	7.3	7.3	7.3	7.3	7.3	7.3
5	7.2	7.1	7.2	7.2	7.1	7.2	7.3	7.3	7.3	7.3	7.3	7.3
6	7.2	7.0	7.1	7.2	7.0	7.1	7.3	7.3	7.3	7.3	7.2	7.3
7	7.2	7.1	7.1	7.2	7.0	7.1	7.3	7.2	7.3	7.3	7.2	7.3
8	7.2	7.1	7.1	7.1	7.0	7.1	7.2	7.1	7.2	7.3	7.2	7.3
9	7.2	7.1	7.1	7.2	7.0	7.1	7.1	7.0	7.1	7.3	7.2	7.3
10	7.1	7.1	7.1	7.3	7.2	7.2	7.1	6.9	7.0	7.3	7.2	7.3
11	7.1	7.0	7.1	7.2	7.2	7.2	7.1	6.9	7.0	7.3	7.2	7.3
12	7.1	7.0	7.1	7.2	7.2	7.2	7.1	7.1	7.1	7.3	7.2	7.3
13	7.2	7.0	7.1	7.2	7.2	7.2	7.2	7.1	7.1	7.3	7.2	7.3
14	7.2	7.2	7.2	7.3	7.2	7.2	7.2	7.1	7.1	7.3	7.2	7.3
15	7.3	7.2	7.2	7.3	7.2	7.2	7.2	7.1	7.2	7.3	7.2	7.3
16	7.3	7.2	7.2	7.3	7.2	7.2	7.2	7.2	7.2	7.3	7.2	7.3
17	7.3	7.2	7.2	7.3	7.2	7.2	7.2	7.1	7.2	---	---	---
18	7.3	7.2	7.2	7.3	7.2	7.3	7.2	7.2	7.2	---	---	---
19	7.2	7.2	7.2	7.3	7.2	7.3	7.2	7.2	7.2	---	---	---
20	7.2	7.2	7.2	7.3	7.2	7.3	7.2	7.2	7.2	7.5	7.4	7.4
21	7.3	7.2	7.2	7.3	7.3	7.3	7.3	7.1	7.2	7.4	7.3	7.4
22	7.2	7.1	7.2	7.3	7.2	7.3	7.2	7.1	7.2	7.4	7.3	7.3
23	7.2	7.2	7.2	7.3	7.2	7.2	7.2	7.1	7.2	7.4	7.3	7.3
24	7.2	7.1	7.2	7.3	7.2	7.2	7.2	7.2	7.2	7.4	7.3	7.3
25	7.3	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.4	7.3	7.3
26	7.2	7.2	7.2	7.3	7.2	7.2	7.2	7.2	7.2	7.4	7.3	7.3
27	7.2	7.2	7.2	7.3	7.2	7.2	7.2	7.2	7.2	7.4	7.3	7.4
28	7.2	7.2	7.2	7.3	7.2	7.3	7.2	7.2	7.2	---	---	---
29	7.2	7.2	7.2	7.3	7.2	7.3	7.3	7.2	7.2	---	---	---
30	7.2	7.1	7.2	7.3	7.2	7.3	7.3	7.2	7.2	---	---	---
31	7.2	7.2	7.2	---	---	---	7.3	7.2	7.2	---	---	---
MAX	7.3	7.2	7.2	7.3	7.3	7.3	7.3	7.3	7.3	7.5	7.4	7.4
MIN	7.1	7.0	7.1	7.1	7.0	7.1	7.1	6.9	7.0	7.3	7.2	7.2
	FEBRUARY			MARCH			APRIL			MAY		
1	---	---	---	7.4	7.3	7.4	7.4	7.3	7.3	7.3	7.2	7.2
2	7.4	7.3	7.3	7.5	7.3	7.4	7.4	7.3	7.3	7.3	7.2	7.3
3	7.4	7.3	7.3	7.4	7.3	7.3	7.4	7.3	7.3	7.3	7.2	7.3
4	7.4	7.3	7.3	7.4	7.3	7.3	7.3	7.3	7.3	7.3	7.2	7.3
5	7.4	7.3	7.3	7.4	7.3	7.3	7.4	7.3	7.3	7.3	7.2	7.3
6	7.4	7.3	7.3	7.4	7.3	7.3	7.4	7.2	7.3	7.3	7.2	7.3
7	7.4	7.3	7.4	7.4	7.3	7.3	7.3	7.2	7.3	7.3	7.3	7.3
8	7.4	7.3	7.4	7.4	7.3	7.3	7.3	7.3	7.3	7.3	7.2	7.3
9	7.4	7.3	7.4	7.5	7.3	7.3	7.3	7.3	7.3	7.3	7.2	7.3
10	7.4	7.3	7.4	7.4	7.3	7.3	7.3	7.3	7.3	7.3	7.2	7.2
11	7.4	7.3	7.4	7.4	7.3	7.3	7.3	7.2	7.3	7.3	7.2	7.2
12	7.4	7.3	7.3	7.4	7.3	7.3	7.3	7.2	7.3	7.3	7.2	7.2
13	7.4	7.3	7.3	7.4	7.3	7.3	7.3	7.2	7.3	7.3	7.2	7.2
14	7.4	7.3	7.4	7.4	7.3	7.3	7.3	7.2	7.3	7.3	7.2	7.2
15	7.4	7.3	7.4	7.4	7.3	7.3	7.3	7.2	7.3	7.3	7.2	7.3
16	7.4	7.3	7.4	7.4	7.3	7.4	7.3	7.2	7.3	7.3	7.2	7.3
17	7.4	7.3	7.4	7.4	7.3	7.4	7.4	7.2	7.3	7.3	7.2	7.3
18	7.4	7.3	7.4	7.4	7.3	7.4	7.3	7.2	7.3	7.3	7.2	7.3
19	7.4	7.3	7.3	7.4	7.3	7.3	7.3	7.2	7.2	7.4	7.3	7.3
20	7.4	7.3	7.3	7.4	7.3	7.4	7.3	7.2	7.2	7.3	7.3	7.3
21	7.4	7.3	7.3	7.4	7.3	7.4	7.3	7.2	7.2	7.3	7.2	7.3
22	7.4	7.3	7.3	7.5	7.3	7.4	7.3	7.2	7.2	7.3	7.2	7.3
23	7.4	7.3	7.3	7.4	7.3	7.4	7.2	7.2	7.2	7.3	7.2	7.3
24	7.4	7.3	7.3	7.4	7.3	7.4	7.2	7.2	7.2	7.3	7.2	7.3
25	7.4	7.3	7.3	7.5	7.3	7.4	7.2	7.1	7.2	7.4	7.3	7.3
26	7.4	7.3	7.3	7.4	7.3	7.4	7.3	7.2	7.2	7.4	7.3	7.3
27	7.4	7.3	7.3	7.4	7.3	7.3	7.3	7.2	7.2	7.3	7.2	7.3
28	7.4	7.3	7.4	7.4	7.3	7.3	7.3	7.2	7.2	7.4	7.2	7.3
29	---	---	---	7.4	7.3	7.4	7.3	7.2	7.2	7.4	7.3	7.3
30	---	---	---	7.4	7.3	7.3	7.3	7.2	7.2	7.4	7.2	7.3
31	---	---	---	7.3	7.3	7.3	---	---	---	7.4	7.3	7.3
MAX	7.4	7.3	7.4	7.5	7.3	7.4	7.4	7.3	7.3	7.4	7.3	7.3
MIN	7.4	7.3	7.3	7.3	7.3	7.3	7.2	7.1	7.2	7.3	7.2	7.2

14179100 FRENCH CREEK NEAR DETROIT, 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	7.4	7.3	7.3	7.2	7.1	7.2	7.4	7.3	7.3	7.4	7.3	7.4
2	7.4	7.3	7.3	7.2	7.1	7.2	7.4	7.3	7.3	7.5	7.4	7.4
3	7.4	7.3	7.3	7.2	7.1	7.1	7.4	7.3	7.3	7.5	7.4	7.4
4	7.3	7.3	7.3	7.2	7.1	7.1	7.3	7.3	7.3	7.5	7.4	7.4
5	7.3	7.2	7.3	7.2	7.1	7.2	7.3	7.3	7.3	7.5	7.4	7.4
6	7.3	7.2	7.3	7.2	7.1	7.2	7.3	7.3	7.3	7.5	7.4	7.4
7	7.3	7.2	7.3	7.2	7.1	7.2	7.3	7.3	7.3	7.4	7.3	7.4
8	7.3	7.2	7.3	7.3	7.1	7.3	7.3	7.3	7.3	7.4	7.4	7.4
9	7.3	7.2	7.3	7.4	7.3	7.3	7.3	7.3	7.3	7.5	7.4	7.4
10	7.3	7.2	7.2	7.4	7.2	7.3	7.4	7.3	7.3	7.4	7.3	7.4
11	7.3	7.2	7.3	7.4	7.2	7.3	7.3	7.3	7.3	7.5	7.4	7.4
12	7.3	7.2	7.3	7.4	7.3	7.3	7.3	7.3	7.3	7.4	7.4	7.4
13	7.3	7.2	7.2	7.4	7.3	7.3	7.3	7.2	7.3	7.4	7.4	7.4
14	7.3	7.2	7.3	7.3	7.2	7.3	7.3	7.2	7.3	7.4	7.3	7.4
15	7.3	7.2	7.2	7.4	7.2	7.3	7.3	7.2	7.3	7.5	7.4	7.4
16	7.3	7.2	7.3	7.4	7.3	7.3	7.3	7.2	7.3	7.5	7.4	7.4
17	7.4	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.5	7.4	7.4
18	7.4	7.3	7.3	7.3	7.3	7.3	7.3	7.2	7.3	7.5	7.4	7.4
19	7.3	7.2	7.3	7.4	7.3	7.3	7.3	7.2	7.3	7.4	7.4	7.4
20	7.3	7.2	7.3	7.4	7.3	7.3	7.3	7.2	7.3	7.4	7.4	7.4
21	7.3	7.2	7.2	7.3	7.2	7.3	7.3	7.2	7.2	7.4	7.3	7.4
22	7.3	7.2	7.2	7.4	7.2	7.3	7.3	7.2	7.3	7.4	7.3	7.4
23	7.3	7.2	7.2	7.4	7.3	7.3	7.3	7.3	7.3	7.4	7.3	7.4
24	7.3	7.2	7.2	7.4	7.3	7.3	7.3	7.3	7.3	7.4	7.3	7.4
25	7.3	7.1	7.2	7.4	7.3	7.3	7.4	7.3	7.3	7.4	7.3	7.4
26	7.3	7.1	7.2	7.4	7.3	7.3	7.3	7.3	7.3	7.4	7.3	7.4
27	7.2	7.1	7.2	7.4	7.2	7.3	7.3	7.3	7.3	7.4	7.3	7.4
28	7.2	7.1	7.2	7.4	7.3	7.3	7.3	7.3	7.3	7.4	7.3	7.4
29	7.2	7.1	7.2	7.4	7.3	7.4	7.4	7.3	7.3	7.4	7.3	7.3
30	7.2	7.1	7.2	7.4	7.3	7.3	7.3	7.3	7.3	7.3	7.2	7.3
31	---	---	---	7.4	7.3	7.3	---	7.3	7.3	---	---	---
MAX	7.4	7.3	7.3	7.4	7.3	7.4	7.4	7.3	7.3	7.5	7.4	7.4
MIN	7.2	7.1	7.2	7.2	7.1	7.1	7.3	7.2	7.2	7.3	7.2	7.3

14179100 FRENCH CREEK NEAR DETROIT, 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	9.9	8.9	9.4	6.6	5.8	6.2	4.9	4.4	4.6	4.4	4.0	4.2
2	9.8	8.8	9.3	7.4	6.3	6.9	4.8	4.5	4.6	4.0	3.5	3.7
3	9.9	9.0	9.4	6.4	5.8	6.2	4.7	4.4	4.5	3.5	3.0	3.2
4	9.8	8.8	9.3	6.0	5.5	5.8	5.0	4.6	4.7	3.0	2.6	2.9
5	9.9	8.8	9.4	6.2	5.3	5.8	4.9	4.6	4.8	2.8	2.1	2.5
6	10.3	9.5	9.9	6.2	5.6	6.0	4.6	3.8	4.1	3.2	2.8	3.1
7	10.3	9.8	10	6.8	6.0	6.4	4.2	3.8	4.1	3.4	3.1	3.2
8	10.2	9.6	9.9	6.6	6.0	6.4	5.5	4.2	4.9	3.3	3.0	3.2
9	9.6	9.0	9.2	7.0	6.5	6.8	5.9	5.5	5.7	3.3	3.0	3.2
10	9.2	8.7	8.9	7.3	6.7	6.9	6.4	5.7	6.1	3.4	3.2	3.3
11	8.8	8.1	8.5	7.0	6.5	6.8	6.3	6.0	6.2	3.3	3.0	3.1
12	9.0	8.3	8.7	6.8	6.2	6.6	6.0	5.3	5.7	3.0	2.2	2.6
13	9.4	8.5	8.9	7.1	6.6	6.9	6.1	5.3	5.6	3.4	2.9	3.1
14	9.2	8.3	8.8	7.0	6.3	6.6	6.4	5.8	6.2	3.6	3.1	3.3
15	9.3	8.5	8.9	7.0	6.4	6.7	5.8	5.2	5.5	3.2	3.0	3.1
16	9.3	8.7	9.0	7.3	6.9	7.1	5.3	4.8	5.1	3.5	3.1	3.3
17	9.1	8.3	8.8	6.9	6.4	6.6	5.9	5.2	5.6	4.0	3.1	3.4
18	8.3	7.7	7.9	6.7	6.2	6.4	6.0	5.5	5.8	5.3	4.0	5.0
19	8.3	7.7	8.0	6.3	5.5	6.0	6.2	5.6	5.9	5.6	5.1	5.3
20	8.3	8.0	8.2	5.5	4.8	5.2	5.6	4.7	5.2	5.6	5.2	5.4
21	8.1	7.5	7.9	4.8	4.4	4.6	4.7	4.2	4.4	5.3	4.8	5.1
22	7.9	7.4	7.6	5.5	4.5	5.0	5.0	4.4	4.6	5.6	4.9	5.2
23	7.9	6.9	7.4	6.0	5.3	5.7	4.7	4.1	4.3	5.6	5.1	5.3
24	7.2	6.7	6.9	6.6	6.0	6.3	4.1	3.8	4.0	5.3	4.8	5.1
25	7.0	6.4	6.8	6.8	6.2	6.5	4.6	4.0	4.3	5.7	5.0	5.3
26	7.2	6.9	7.0	6.2	5.7	6.0	4.7	4.3	4.5	6.1	5.5	5.8
27	7.2	6.8	7.0	5.7	5.1	5.4	4.5	4.2	4.3	5.8	5.3	5.7
28	7.0	6.8	6.9	5.1	4.5	4.8	4.8	4.2	4.5	5.7	---	5.5
29	7.3	6.9	7.0	4.5	4.1	4.3	5.0	4.7	4.9	---	---	---
30	7.0	6.3	6.7	4.5	4.2	4.4	4.9	4.4	4.6	---	---	---
31	6.5	5.8	6.2	---	---	---	4.4	4.2	4.3	---	---	---
MONTH	10.3	5.8	8.3	7.4	4.1	6.0	6.4	3.8	5.0	6.1	2.1	4.0
		FEBRUARY			MARCH			APRIL			MAY	
1	4.4	---	---	5.5	4.8	5.1	5.5	4.9	5.1	7.7	6.5	7.2
2	4.3	3.8	4.1	5.6	4.8	5.2	5.7	4.5	5.1	8.1	7.1	7.5
3	4.8	4.0	4.4	5.2	4.5	4.8	5.5	4.9	5.2	8.8	7.1	7.8
4	5.1	4.4	4.6	5.6	4.6	5.0	5.2	4.1	4.7	8.7	7.7	8.1
5	4.5	3.6	4.0	5.8	4.9	5.3	6.0	4.7	5.3	8.2	7.7	8.0
6	4.0	3.4	3.7	5.7	4.5	5.2	6.7	5.2	5.9	8.3	7.7	8.0
7	3.9	3.6	3.7	6.2	5.1	5.7	5.9	4.7	5.4	8.1	7.3	7.7
8	3.8	3.5	3.7	6.5	5.5	5.9	5.4	4.2	4.8	8.3	7.4	7.8
9	3.8	3.5	3.6	6.5	5.4	6.0	5.5	4.8	5.1	7.7	6.4	7.3
10	3.8	3.3	3.6	6.7	5.5	6.1	6.0	4.8	5.3	6.6	5.7	6.2
11	4.0	3.4	3.7	6.9	5.5	6.2	5.6	4.9	5.3	7.6	6.3	6.8
12	4.2	3.6	3.9	7.1	5.7	6.3	4.9	4.2	4.5	8.4	6.9	7.6
13	4.3	3.6	3.9	6.4	5.0	5.6	5.2	4.2	4.5	8.4	7.2	7.8
14	4.0	3.2	3.6	6.0	4.6	5.3	5.2	3.9	4.5	9.0	8.0	8.5
15	3.3	2.7	3.1	6.0	4.4	5.2	5.5	4.1	4.8	8.7	8.2	8.5
16	3.5	2.8	3.1	5.7	4.9	5.3	5.9	5.0	5.5	8.2	7.0	7.7
17	3.5	2.8	3.2	5.6	4.8	5.2	5.1	4.5	4.8	7.2	6.6	6.9
18	3.9	3.1	3.5	5.7	4.9	5.3	5.5	4.3	4.9	7.9	7.0	7.3
19	4.2	3.4	3.8	6.0	5.4	5.6	6.3	4.5	5.3	7.5	6.9	7.2
20	4.5	3.8	4.1	5.9	4.9	5.6	6.7	5.1	5.9	7.4	6.8	7.1
21	4.5	3.9	4.2	5.3	4.4	4.8	6.9	5.7	6.3	7.1	6.5	6.8
22	4.4	3.6	3.9	5.0	4.4	4.7	7.2	5.5	6.4	7.5	6.6	7.0
23	4.4	3.5	3.9	4.7	4.3	4.5	6.5	5.6	6.0	8.0	6.2	7.1
24	4.5	3.6	4.1	4.7	3.8	4.3	6.6	5.3	5.9	8.3	6.1	7.2
25	4.7	3.8	4.2	5.2	4.2	4.7	6.8	6.0	6.3	8.9	6.8	7.9
26	4.8	3.9	4.3	5.2	4.7	4.9	7.9	6.0	6.8	9.8	7.7	8.7
27	5.2	4.2	4.7	5.5	5.1	5.4	7.9	6.1	7.0	10.6	8.3	9.4
28	5.4	4.8	5.1	5.1	4.5	4.8	7.7	6.3	7.0	9.9	9.3	9.6
29	---	---	---	4.5	3.8	4.1	7.0	6.6	6.8	9.5	8.9	9.2
30	---	---	---	4.9	4.3	4.5	7.8	6.5	7.1	9.4	8.7	9.0
31	---	---	---	5.7	4.5	5.0	---	---	---	9.1	8.7	8.9
MONTH	5.4	2.7	3.9	7.1	3.8	5.2	7.9	3.9	5.6	10.6	5.7	7.8

14179100 FRENCH CREEK NEAR DETROIT, 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	8.7	8.1	8.5	11.8	10.3	10.9	13.8	12.6	13.2	13.1	11.4	12.3
2	8.2	7.9	8.0	11.3	10.0	10.5	13.7	12.1	12.9	13.0	12.0	12.4
3	8.9	7.8	8.2	11.5	9.5	10.5	13.5	11.5	12.5	12.7	11.9	12.3
4	8.8	7.4	8.0	11.8	9.8	10.7	13.8	11.9	12.8	12.4	11.3	11.8
5	8.0	7.0	7.5	12.2	10.3	11.2	14.2	12.4	13.2	12.3	10.7	11.5
6	7.3	6.7	6.9	11.6	10.9	11.2	14.1	12.3	13.2	12.3	10.8	11.6
7	7.1	6.2	6.6	11.9	10.6	11.1	14.0	12.3	13.2	12.6	11.1	11.9
8	8.1	6.5	7.3	11.0	10.6	10.8	14.0	12.2	13.1	12.8	11.2	12.0
9	8.8	6.9	7.8	11.3	10.5	10.8	14.1	12.3	13.1	12.1	11.3	11.7
10	8.3	7.5	7.9	11.2	10.4	10.7	13.8	12.1	12.9	11.3	10.7	10.9
11	8.4	7.6	7.9	12.2	10.5	11.2	13.4	11.8	12.6	11.3	10.4	10.8
12	8.3	7.3	7.7	12.3	10.9	11.5	13.5	11.7	12.6	11.3	10.1	10.7
13	8.9	7.7	8.2	12.4	10.9	11.6	13.7	12.1	12.8	11.4	10.0	10.8
14	8.5	7.9	8.2	12.4	10.5	11.5	13.7	11.9	12.8	---	10.2	10.7
15	9.0	7.4	8.2	13.2	11.3	12.1	13.7	11.9	12.8	11.1	10.3	10.7
16	8.7	8.1	8.4	13.1	11.6	12.2	13.8	12.3	13.0	10.6	10.1	10.3
17	8.5	7.9	8.2	13.2	11.2	12.2	13.3	12.4	12.8	10.8	10.1	10.4
18	8.8	7.9	8.3	13.6	11.6	12.5	13.5	12.0	12.7	10.8	9.6	10.1
19	9.6	7.9	8.7	13.5	11.9	12.7	13.8	12.2	12.9	10.8	9.5	10.2
20	10.3	8.4	9.3	13.4	11.4	12.4	13.9	12.2	13.0	10.8	9.6	10.2
21	10.0	9.0	9.5	13.5	11.7	12.6	14.1	12.6	13.3	10.4	9.1	9.8
22	9.7	9.0	9.3	13.6	12.6	13.0	13.8	12.7	13.2	10.3	9.2	9.8
23	10.4	8.4	9.4	13.8	12.1	12.9	13.4	12.2	12.7	10.3	9.3	9.8
24	10.6	9.1	9.8	13.4	11.6	12.5	13.0	11.3	12.2	9.7	8.4	9.1
25	11.1	9.5	10.1	13.2	11.4	12.3	13.1	11.3	12.3	9.6	8.3	9.1
26	10.3	9.3	9.8	13.5	11.6	12.6	13.4	11.8	12.5	9.8	8.5	9.2
27	10.0	9.4	9.7	13.8	11.7	12.8	13.3	11.7	12.5	9.9	8.7	9.4
28	10.0	9.4	9.7	14.1	12.3	13.1	13.2	11.6	12.4	10.1	8.9	9.5
29	11.0	9.1	10	14.0	12.2	13.1	12.5	11.9	12.1	10.4	9.0	9.7
30	11.5	9.6	10.5	14.1	12.2	13.1	12.8	11.6	12.1	10.8	10.1	10.4
31	---	---	---	14.1	12.4	13.2	13.1	11.4	12.2	---	---	---
MONTH	11.5	6.2	8.6	14.1	9.5	11.9	14.2	11.3	12.8	13.1	8.3	10.6
YEAR	14.2	2.1	7.5									

14179100 FRENCH CREEK NEAR DETROIT, 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	---	---	---	---	---	---	5	<1	<1
2	3	<1	<1	---	---	---	---	---	---	3	<1	<1
3	4	<1	<1	9	<1	<1	---	---	---	5	<1	<1
4	<1	<1	<1	9	<1	<1	---	---	---	1	<1	<1
5	<1	<1	<1	4	<1	<1	---	---	---	2	<1	<1
6	2	<1	<1	1	<1	<1	---	---	---	2	<1	<1
7	1	<1	<1	1	<1	<1	---	---	---	4	<1	<1
8	1	<1	<1	4	<1	<1	17	<1	4	3	<1	<1
9	5	<1	<1	5	<1	<1	47	3	11	3	<1	<1
10	8	<1	<1	1	<1	<1	40	3	12	7	<1	<1
11	3	<1	<1	8	<1	<1	16	2	6	<1	<1	<1
12	2	<1	<1	4	<1	<1	12	<1	2	3	<1	<1
13	3	<1	<1	<1	<1	<1	2	<1	<1	1	<1	<1
14	8	<1	<1	1	<1	<1	8	<1	<1	4	<1	<1
15	<1	<1	<1	3	<1	<1	7	<1	<1	1	<1	<1
16	1	<1	<1	1	<1	<1	2	<1	<1	4	<1	<1
17	8	<1	<1	<1	<1	<1	1	<1	<1	19	<1	1
18	12	<1	2	2	<1	<1	3	<1	<1	56	6	19
19	6	<1	<1	2	<1	<1	4	<1	<1	15	1	3
20	8	<1	<1	5	<1	<1	1	<1	<1	9	<1	1
21	6	<1	<1	<1	<1	<1	11	<1	<1	8	<1	<1
22	8	<1	<1	<1	<1	<1	4	<1	<1	4	<1	<1
23	8	<1	1	<1	<1	<1	4	<1	<1	<1	<1	<1
24	14	<1	1	6	<1	<1	5	<1	<1	3	<1	<1
25	---	---	---	20	<1	6	1	<1	<1	2	<1	<1
26	---	---	---	---	---	---	7	<1	<1	2	<1	<1
27	---	---	---	---	---	---	4	<1	<1	2	<1	<1
28	---	---	---	---	---	---	3	<1	<1	4	<1	<1
29	---	---	---	---	---	---	3	<1	<1	---	---	---
30	---	---	---	---	---	---	3	<1	<1	---	---	---
31	---	---	---	---	---	---	6	<1	<1	---	---	---
MAX	14	<1	2	20	<1	6	47	3	12	56	6	19
MIN	<1	<1	<1	<1	<1	<1	1	<1	<1	<1	<1	<1
	FEBRUARY			MARCH			APRIL			MAY		
1	6	<1	<1	10	<1	<1	2	<1	<1	5	<1	<1
2	2	<1	<1	1	<1	<1	2	<1	<1	5	<1	<1
3	2	<1	<1	8	<1	<1	2	<1	<1	4	<1	<1
4	9	<1	<1	7	<1	<1	2	<1	<1	10	<1	<1
5	5	<1	<1	3	<1	<1	3	<1	<1	10	<1	<1
6	<1	<1	<1	3	<1	<1	1	<1	<1	4	<1	<1
7	8	<1	<1	10	<1	<1	14	<1	<1	8	<1	<1
8	6	<1	<1	5	<1	<1	8	<1	<1	8	<1	<1
9	5	<1	<1	7	<1	<1	5	<1	<1	2	<1	<1
10	4	<1	<1	2	<1	<1	8	<1	<1	6	<1	<1
11	2	<1	<1	<1	<1	<1	4	<1	<1	9	<1	<1
12	4	<1	<1	3	<1	<1	6	<1	<1	6	<1	<1
13	1	<1	<1	3	<1	<1	1	<1	<1	9	<1	<1
14	7	<1	<1	8	<1	<1	6	<1	<1	10	<1	<1
15	2	<1	<1	4	<1	<1	5	<1	<1	6	<1	<1
16	9	<1	<1	<1	<1	<1	7	<1	1	3	<1	<1
17	9	<1	<1	2	<1	<1	6	<1	<1	1	<1	<1
18	2	<1	<1	3	<1	<1	2	<1	<1	2	<1	<1
19	6	<1	<1	5	<1	<1	2	<1	<1	4	<1	<1
20	2	<1	<1	4	<1	<1	4	<1	<1	4	<1	<1
21	6	<1	<1	3	<1	<1	2	<1	<1	3	<1	<1
22	4	<1	<1	3	<1	<1	4	<1	<1	2	<1	<1
23	7	<1	<1	9	<1	<1	7	<1	<1	3	<1	<1
24	7	<1	<1	8	<1	<1	2	<1	<1	8	<1	<1
25	9	<1	<1	6	<1	<1	3	<1	<1	6	<1	<1
26	11	<1	<1	17	<1	<1	4	<1	<1	6	<1	<1
27	4	<1	<1	39	8	14	8	<1	<1	4	<1	<1
28	6	<1	<1	21	1	7	4	<1	<1	6	<1	<1
29	---	---	---	9	<1	1	4	<1	<1	4	<1	<1
30	---	---	---	6	<1	<1	2	<1	<1	7	<1	<1
31	---	---	---	2	<1	<1	---	---	---	2	<1	<1
MAX	11	<1	<1	39	8	14	14	<1	1	10	<1	<1
MIN	<1	<1	<1	<1	<1	<1	1	<1	<1	1	<1	<1

14179100 FRENCH CREEK NEAR DETROIT, 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	10	<1	<1	2	<1	<1	<1	<1	<1	<1	<1	<1
2	7	<1	<1	8	<1	<1	<1	<1	<1	<1	<1	<1
3	2	<1	<1	3	<1	<1	<1	<1	<1	<1	<1	<1
4	9	<1	<1	2	<1	<1	<1	<1	<1	<1	<1	<1
5	4	<1	<1	1	<1	<1	<1	<1	<1	<1	<1	<1
6	6	<1	<1	5	<1	<1	<1	<1	<1	<1	<1	<1
7	3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
8	6	<1	<1	2	<1	<1	<1	<1	<1	<1	<1	<1
9	4	<1	<1	2	<1	<1	<1	<1	<1	<1	<1	<1
10	2	<1	<1	1	<1	<1	1	<1	<1	5	<1	<1
11	2	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
12	10	<1	<1	<1	<1	<1	<1	<1	<1	1	<1	<1
13	6	<1	<1	1	<1	<1	<1	<1	<1	<1	<1	<1
14	3	<1	<1	4	<1	<1	<1	<1	<1	<1	<1	<1
15	5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
16	8	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
17	9	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
18	10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
19	8	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
20	2	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
21	4	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
22	7	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
23	4	<1	<1	2	<1	<1	<1	<1	<1	<1	<1	<1
24	2	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
25	3	<1	<1	5	<1	<1	<1	<1	<1	<1	<1	<1
26	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
27	3	<1	<1	2	<1	<1	<1	<1	<1	<1	<1	<1
28	8	<1	<1	1	<1	<1	<1	<1	<1	<1	<1	<1
29	10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
30	6	<1	<1	1	<1	<1	<1	<1	<1	2	<1	<1
31	---	---	---	<1	<1	<1	<1	<1	<1	---	---	---
MAX	10	<1	<1	8	<1	<1	1	<1	<1	5	<1	<1
MIN	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

14180300 BLOWOUT CREEK NEAR DETROIT, OR

LOCATION.--44°39'11", long 122°07'47", in NW 1/4 sec.6, T.11 S., R.6 E., Marion County, Hydrologic Unit 17090005, on left bank, 6.0 mi south of Detroit, and at mile 5.5.

DRAINAGE AREA.--26.0 mi^2.

PERIOD OF RECORD.--October 1998 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 1,840 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair. No regulation or diversion upstream from station.

AVERAGE DISCHARGE.--7 years (water years 1999-2005), 104 ft^3/s, 54.35 in/yr, 75,350 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,400 ft^3/s Dec. 28, 1998, gage height, 7.38 ft; minimum daily discharge, 2.1 ft^3/s Sept. 3-5, 2003.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,100 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar 27	1031	*1,680	*6.25	No other peak greater than base discharge.			

Minimum discharge, 3.2 ft^3/s, Sept. 7-9, gage height, 3.11 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	13	47	32	47	64	52	220	79	63	27	e9.0	4.7
2	13	86	30	44	60	50	204	75	58	e25	e8.5	4.3
3	12	130	29	42	56	48	189	68	52	e23	e8.5	4.3
4	12	95	28	40	57	45	184	68	48	e22	e8.0	4.3
5	11	75	28	37	57	43	166	65	52	e21	e8.0	4.3
6	14	62	29	38	54	41	157	76	71	e21	e8.0	4.1
7	14	52	43	38	50	40	166	75	68	e20	e7.5	3.9
8	13	45	372	36	47	38	169	83	62	e19	e7.5	3.6
9	22	40	465	34	45	37	171	121	56	e20	e7.5	4.3
10	18	36	530	33	43	36	153	154	53	e19	e7.0	12
11	15	34	555	32	42	35	189	149	52	e19	e7.0	11
12	14	31	376	31	44	34	174	131	51	e18	e7.0	9.0
13	13	30	246	31	50	32	154	112	47	e17	e6.5	7.7
14	12	28	236	30	45	31	138	98	43	e16	e6.5	6.7
15	12	27	200	31	43	30	125	101	41	e16	6.1	6.2
16	12	26	163	38	41	31	161	112	43	e15	6.0	6.6
17	16	25	133	69	40	35	194	120	57	e14	6.3	7.7
18	84	29	114	418	39	32	171	173	55	e14	6.2	6.7
19	86	28	99	302	41	49	151	187	52	e13	5.8	6.0
20	52	26	88	210	55	68	135	183	50	e13	5.3	5.4
21	45	24	79	164	55	69	122	191	46	e12	5.1	5.2
22	45	23	72	132	56	66	114	171	43	e12	5.0	5.0
23	50	23	65	113	53	68	127	145	40	e12	4.8	4.7
24	56	25	60	98	51	70	132	123	38	e11	4.6	4.5
25	51	47	58	87	49	67	125	105	35	e11	4.1	4.7
26	46	43	61	82	47	174	115	92	34	e10	4.0	4.5
27	40	39	55	79	46	1,240	107	81	33	e10	4.3	4.3
28	36	35	50	72	51	765	99	73	33	e10	4.3	4.2
29	34	33	49	81	---	463	91	67	30	e9.5	5.2	4.2
30	42	32	48	74	---	312	84	61	28	e9.0	5.8	5.8
31	50	---	47	68	---	235	---	57	---	e9.0	5.2	---
TOTAL	953	1,276	4,440	2,631	1,381	4,336	4,487	3,396	1,434	487.5	194.6	169.9
MEAN	30.7	42.5	143	84.9	49.3	140	150	110	47.8	15.7	6.28	5.66
MAX	86	130	555	418	64	1,240	220	191	71	27	9.0	12
MIN	11	23	28	30	39	30	84	57	28	9.0	4.0	3.6
AC-FT	1,890	2,530	8,810	5,220	2,740	8,600	8,900	6,740	2,840	967	386	337
CFSM	1.18	1.64	5.51	3.26	1.90	5.38	5.75	4.21	1.84	0.60	0.24	0.22
IN.	1.36	1.83	6.35	3.76	1.98	6.20	6.42	4.86	2.05	0.70	0.28	0.24

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2005, BY WATER YEAR (WY)

MEAN	13.4	101	215	195	176	175	160	124	61.9	16.4	7.54	6.91
MAX	30.7	226	425	301	308	333	311	222	135	33.9	12.7	19.6
(WY)	(2005)	(1999)	(1999)	(2003)	(2000)	(2003)	(2002)	(1999)	(1999)	(1999)	(2004)	(2004)
MIN	4.62	22.6	81.4	53.5	49.3	90.0	100	76.0	24.6	6.84	2.81	3.62
(WY)	(2003)	(2001)	(2001)	(2001)	(2005)	(2001)	(2001)	(2004)	(2003)	(2003)	(2003)	(2003)

14180300 BLOWOUT CREEK NEAR DETROIT, OR—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1999 - 2005	
ANNUAL TOTAL	33,026.9		25,186.0			
ANNUAL MEAN	90.2		69.0		104	
HIGHEST ANNUAL MEAN					162	1999
LOWEST ANNUAL MEAN					48.3	2001
HIGHEST DAILY MEAN	870	Jan 29	1,240	Mar 27	2,440	Dec 28, 1998
LOWEST DAILY MEAN	6.5	Aug 20	3.6	Sep 8	2.1	Sep 3, 2003
ANNUAL SEVEN-DAY MINIMUM	6.8	Aug 15	4.1	Sep 2	2.2	Aug 30, 2003
ANNUAL RUNOFF (AC-FT)	65,510		49,960		75,350	
ANNUAL RUNOFF (CFSM)	3.47		2.65		4.00	
ANNUAL RUNOFF (INCHES)	47.25		36.04		54.35	
10 PERCENT EXCEEDS	202		162		233	
50 PERCENT EXCEEDS	55		43		55	
90 PERCENT EXCEEDS	11		6.2		5.1	

e Estimated

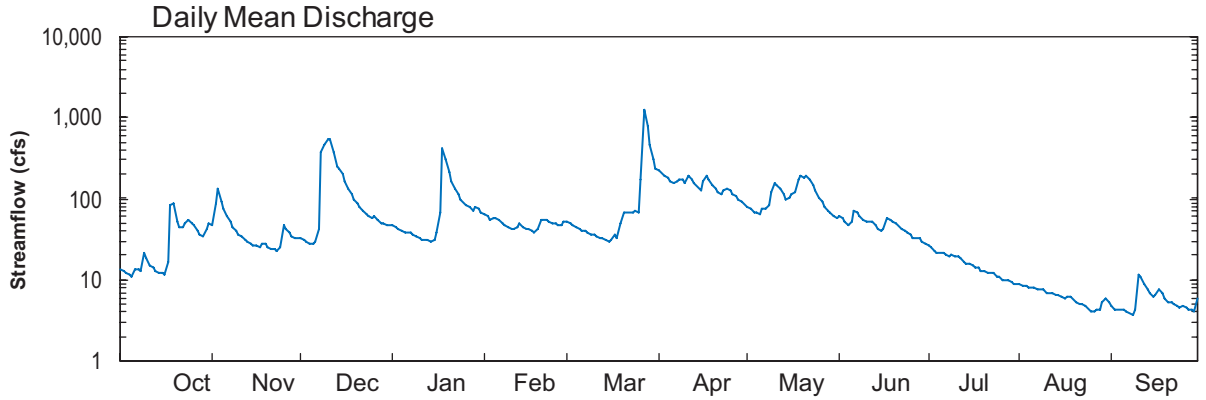
2005 Water Year

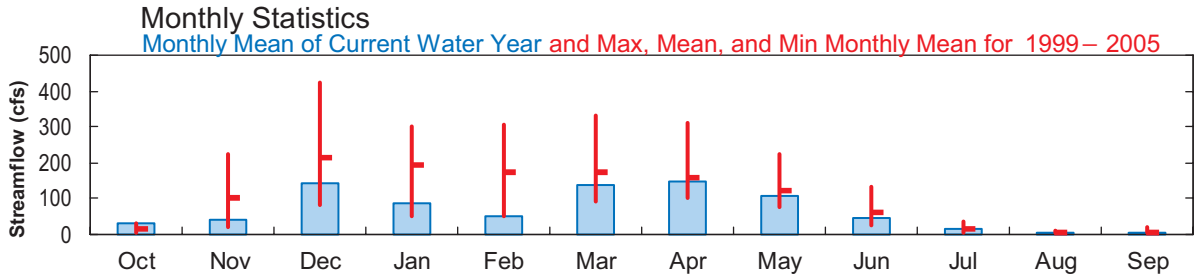
SANTIAM RIVER BASIN

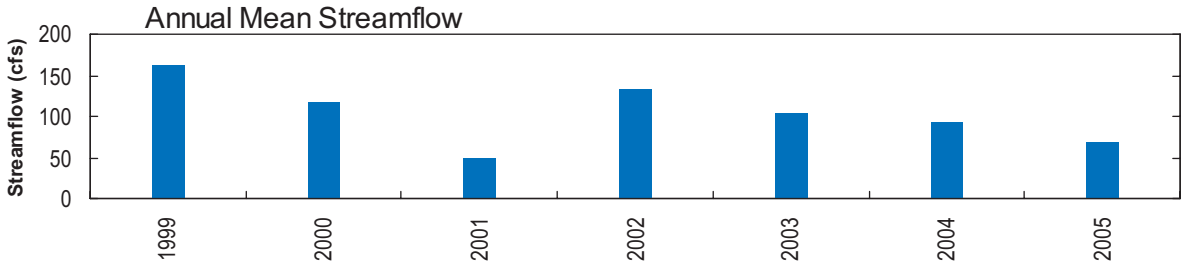
14180300 BLOWOUT CREEK NEAR DETROIT, OR

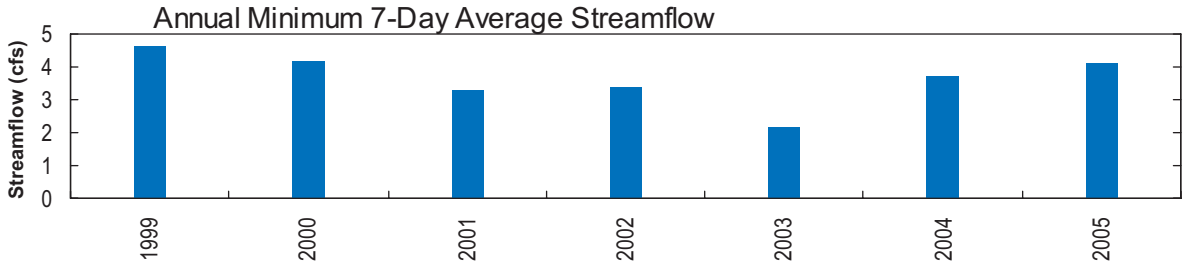
Latitude: 44° 39 ' 11" Longitude: 122° 07 ' 47" Hydrologic Unit Code: 17090005

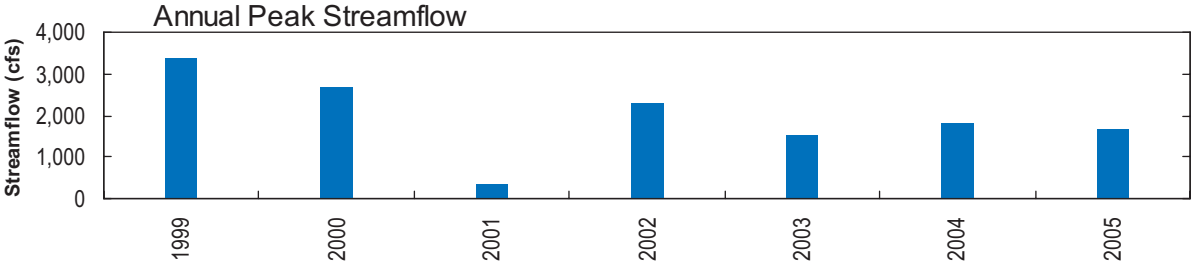
Linn County Datum: 1840 feet Drainage Area: 26 mi²











WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--
SPECIFICIC CONDUCTANCE: October 1998 to current year.
pH: October 1998 to current year.
WATER TEMPERATURE: October 1998 to current year.
TURBIDITY: October 1998 to current year.

INSTRUMENTATION.--Water-quality monitor and data logger.

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 for the period Nov. 6-9, 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 RECORD.--
SPECIFIC CONDUCTANCE: Maximum recorded, 55 microsiemens Oct. 20, 2003; minimum recorded, 17 microsiemens Dec. 17, 2001.
pH: Maximum recorded, 8.3 units Aug. 3, 20, 2003; minimum recorded, 6.5 units Dec. 17, 2001.
WATER TEMPERATURE: Maximum recorded, 21.1°C July 23, 24, 2002, July 22, 2003; minimum recorded, 0.0°C Dec. 20-23, 1998, Jan. 6, 2004.
TURBIDITY: Maximum recorded 1,370 FNU Dec. 17, 2001, Jan. 26, 27, 30, 31, 2003; minimum recorded, <1 FNU many days each year.

EXTREMES FOR CURRENT YEAR:
SPECIFIC CONDUCTANCE: Maximum recorded, 53 microsiemens Aug. 21, but may have been higher during periods of missing record; minimum recorded, 22 microsiemens, Dec. 11.
pH: Maximum, 8.0 units Aug. 17, Sept. 2, 3; minimum, 7.0 units Dec. 10, 11, Jan. 18, 19, Mar. 27.
WATER TEMPERATURE: Maximum, 20.0°C July 31, Aug. 5; minimum, 0.1° Jan. 5.
TURBIDITY: Maximum, 930 FNU Mar. 27; minimum, <1 FNU many days during year.

14180300 BLOWOUT CREEK NEAR DETROIT, OR—Continued

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

Date	Time	Instantaneous discharge, cfs (00061)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Suspended sediment concentration mg/L (80154)	Suspended sediment discharge, tons/d (80155)
DEC					
08...	1251	421	82	42	48
09...	1333	410	--	14	15
10...	0002	545	--	28	41
10...	0202	570	--	29	45
10...	0402	582	--	28	44
10...	0602	563	--	24	36
10...	0802	576	--	29	45
10...	1002	551	--	32	48
14...	0132	228	--	80	49
14...	0202	235	--	55	35
JAN					
18...	0202	246	--	34	23
18...	0402	344	--	36	33
18...	0602	398	--	34	37
18...	0802	441	--	33	39
18...	1002	497	--	38	51
18...	1202	545	--	36	53
18...	1402	520	--	27	38
18...	1410	516	--	25	35
18...	1626	489	--	20	26
18...	1634	487	--	20	26
MAR					
26...	1802	243	--	40	26
26...	2002	353	--	52	50
26...	2202	468	--	57	72
27...	0102	711	--	99	190
27...	0202	741	--	101	202
27...	0302	794	--	101	217
27...	0402	876	--	114	270
27...	0502	943	--	149	379
27...	0632	1,060	--	235	673
27...	0702	1,160	--	268	839
27...	0732	1,230	--	301	1,000
27...	0832	1,290	--	305	1,060
27...	0902	1,320	--	348	1,240
27...	0932	1,420	--	348	1,330
27...	1002	1,470	--	353	1,400
27...	1032	1,680	--	390	1,770
27...	1102	1,590	--	406	1,740
27...	1132	1,560	--	363	1,530
27...	1202	1,630	--	322	1,420
27...	1232	1,630	--	344	1,510
27...	1302	1,570	--	289	1,230
28...	1022	745	55	36	72
28...	1149	734	--	49	97
28...	1159	747	48	41	83
28...	1202	748	--	33	67
28...	1211	737	--	30	60
APR					
01...	0632	205	--	15	8.3
01...	0702	208	--	5	2.8
MAY					
31...	1540	56	--	6	.90

14180300 BLOWOUT CREEK NEAR DETROIT, 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	47	45	46	43	39	41	41	40	40	46	46	46
2	48	46	46	39	36	38	41	40	40	47	46	47
3	46	44	46	38	37	37	41	40	41	47	47	47
4	48	46	46	38	38	38	41	40	41	47	47	47
5	48	46	47	38	38	38	41	40	41	47	47	47
6	48	45	46	39	38	38	41	39	40	47	47	47
7	48	46	47	39	38	39	40	39	39	48	47	47
8	49	45	47	39	39	39	39	32	34	48	47	48
9	47	45	46	40	39	39	35	31	34	48	47	48
10	48	46	47	40	39	40	31	23	25	48	48	48
11	46	46	46	40	40	40	24	22	23	48	48	48
12	47	46	46	40	40	40	25	23	24	48	48	48
13	48	45	46	41	40	41	26	25	26	49	48	48
14	48	45	45	41	40	41	28	26	27	49	48	49
15	46	45	45	41	40	41	31	28	29	49	47	48
16	47	45	45	42	40	40	34	31	32	49	48	49
17	46	43	44	41	40	41	37	34	36	49	45	48
18	43	39	40	41	39	40	39	37	38	45	30	35
19	41	40	41	41	40	41	40	39	40	34	32	33
20	42	41	41	41	41	41	42	40	41	35	34	35
21	42	41	41	41	41	41	42	42	42	36	35	35
22	41	41	41	41	41	41	43	42	42	37	36	36
23	42	40	41	42	41	41	43	42	43	37	36	37
24	41	41	41	41	41	41	43	43	43	37	36	36
25	41	41	41	41	39	40	43	43	43	37	37	37
26	44	40	40	42	40	41	44	43	43	37	37	37
27	40	40	40	41	41	41	44	44	44	38	37	37
28	43	40	40	41	41	41	45	44	44	38	37	38
29	44	39	40	41	40	40	46	44	45	38	37	38
30	40	39	39	40	40	40	46	45	46	39	38	38
31	40	39	39	---	---	---	46	46	46	39	39	39
MONTH	49	39	43	43	36	40	46	22	38	49	30	43
	FEBRUARY			MARCH			APRIL			MAY		
1	39	38	38	39	39	39	---	---	---	39	39	39
2	39	38	38	39	39	39	---	---	---	40	39	40
3	39	38	39	39	39	39	---	---	---	40	40	40
4	39	38	38	40	39	40	---	---	---	40	39	40
5	39	38	38	40	40	40	---	---	---	40	40	40
6	39	38	39	40	40	40	---	---	---	41	40	40
7	39	38	39	40	40	40	38	36	37	41	40	40
8	39	39	39	45	40	40	37	36	36	41	39	40
9	39	39	39	40	40	40	36	36	36	41	40	40
10	40	39	39	41	40	40	37	36	37	40	40	40
11	39	38	39	41	40	41	37	35	36	41	40	41
12	39	38	39	41	41	41	36	36	36	41	41	41
13	39	38	38	41	41	41	37	36	37	43	41	41
14	39	39	39	41	41	41	38	37	37	43	41	42
15	40	39	39	42	41	42	38	38	38	41	40	41
16	41	39	39	42	40	41	38	34	36	41	40	40
17	39	39	39	42	40	41	36	34	34	40	40	40
18	39	39	39	42	42	42	36	35	35	40	37	38
19	39	38	39	42	40	41	36	36	36	39	37	38
20	39	38	38	41	40	41	37	36	36	39	37	38
21	40	39	39	41	40	41	37	37	37	39	38	38
22	40	39	40	41	40	41	37	37	37	43	38	40
23	40	40	40	41	41	41	37	35	36	44	39	41
24	40	40	40	42	41	41	36	36	36	42	39	39
25	40	40	40	43	42	42	36	36	36	41	40	40
26	40	40	40	43	32	39	37	36	37	42	41	41
27	40	40	40	---	30	---	38	37	37	42	42	42
28	40	39	39	---	---	---	38	38	38	42	42	42
29	---	---	---	---	---	---	38	38	38	42	42	42
30	---	---	---	---	---	---	40	38	39	43	42	42
31	---	---	---	---	---	---	---	---	---	43	42	43
MONTH	41	38	39	45	30	41	40	34	37	44	37	40

14180300 BLOWOUT CREEK NEAR DETROIT, 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	43	42	42	46	46	46	---	---	---	50	48	49
2	44	42	43	46	45	46	---	---	---	50	48	49
3	44	43	43	46	45	46	---	---	---	50	48	49
4	43	42	42	46	46	46	---	---	---	49	48	48
5	42	40	41	46	46	46	51	49	50	49	48	48
6	41	40	40	47	46	46	50	48	49	49	48	48
7	40	40	40	46	46	46	---	---	---	48	47	48
8	41	40	40	46	46	46	52	49	51	48	48	48
9	41	41	41	46	46	46	52	50	51	49	47	48
10	41	41	41	47	46	46	51	49	50	50	47	48
11	42	40	41	47	47	47	51	49	50	50	49	49
12	41	40	41	47	47	47	51	48	49	51	48	50
13	42	41	41	48	47	47	50	48	49	51	48	50
14	42	42	42	48	47	48	50	48	49	50	48	48
15	44	42	42	48	48	48	49	48	48	49	48	48
16	42	41	42	48	48	48	49	48	49	49	47	48
17	42	41	42	50	48	48	48	47	48	49	47	48
18	42	42	42	50	47	48	50	48	48	48	47	47
19	42	41	42	49	47	48	50	47	47	50	47	47
20	43	41	42	49	47	48	---	---	---	48	47	48
21	43	43	43	49	47	48	53	49	51	48	48	48
22	44	42	43	48	48	48	52	49	50	49	48	48
23	43	43	43	49	48	48	52	49	50	48	47	48
24	44	43	43	50	47	48	50	48	49	50	47	48
25	44	43	44	47	47	47	51	49	49	49	47	48
26	46	44	44	49	47	47	49	48	49	49	47	48
27	45	44	44	49	47	48	50	49	49	48	47	48
28	45	44	45	51	49	50	50	49	50	49	47	48
29	45	45	45	51	49	50	50	48	50	50	47	48
30	46	45	46	51	48	49	50	48	48	51	46	49
31	---	---	---	51	48	50	48	48	48	---	---	---
MONTH	46	40	42	51	45	47	53	47	49	51	46	48
YEAR	53	22	42									

14180300 BLOWOUT CREEK NEAR DETROIT, 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	7.7	7.3	7.4	7.6	7.3	7.3	7.5	7.2	7.2	7.3	7.2	7.2
2	7.7	7.3	7.4	7.6	7.3	7.3	7.5	7.2	7.2	7.3	7.2	7.2
3	7.7	7.3	7.4	7.5	7.3	7.3	7.4	7.2	7.2	7.3	7.2	7.2
4	7.7	7.3	7.4	7.4	7.3	7.3	7.5	7.2	7.2	7.3	7.2	7.2
5	7.8	7.4	7.4	7.4	7.3	7.3	7.4	7.2	7.2	7.3	7.2	7.2
6	7.8	7.4	7.4	7.4	7.3	7.3	7.4	7.1	7.2	7.3	7.2	7.2
7	7.8	7.4	7.5	7.5	7.2	7.3	7.4	7.2	7.3	7.3	7.2	7.2
8	7.8	7.4	7.5	7.4	7.2	7.3	7.2	7.1	7.2	7.4	7.2	7.2
9	7.8	7.4	7.5	7.5	7.2	7.3	7.2	7.1	7.1	7.3	7.2	7.2
10	7.7	7.5	7.5	7.6	7.2	7.3	7.2	7.0	7.1	7.4	7.2	7.2
11	7.7	7.5	7.5	7.6	7.2	7.3	7.2	7.0	7.1	7.3	7.2	7.2
12	7.8	7.4	7.5	7.5	7.2	7.3	7.3	7.2	7.2	7.4	7.2	7.2
13	7.8	7.5	7.5	7.5	7.2	7.3	7.3	7.2	7.2	7.4	7.2	7.2
14	7.8	7.5	7.5	7.6	7.2	7.3	7.3	7.2	7.2	7.4	7.2	7.2
15	7.9	7.5	7.5	7.6	7.2	7.3	7.3	7.2	7.2	7.3	7.2	7.2
16	7.9	7.5	7.5	7.7	7.2	7.3	7.3	7.2	7.2	7.3	7.2	7.2
17	7.8	7.5	7.5	7.5	7.2	7.3	7.3	7.2	7.2	7.3	7.1	7.2
18	7.6	7.4	7.5	7.5	7.2	7.3	7.3	7.2	7.2	7.2	7.0	7.1
19	7.7	7.5	7.5	7.6	7.2	7.3	7.3	7.2	7.2	7.2	7.0	7.1
20	7.7	7.5	7.5	7.5	7.2	7.3	7.3	7.2	7.2	7.3	7.1	7.2
21	7.7	7.4	7.5	7.5	7.2	7.3	7.3	7.2	7.2	7.2	7.1	7.2
22	7.6	7.4	7.4	7.5	7.2	7.3	7.3	7.2	7.2	7.3	7.2	7.2
23	7.7	7.4	7.5	7.5	7.2	7.2	7.3	7.2	7.2	7.3	7.2	7.2
24	7.7	7.4	7.4	7.6	7.2	7.3	7.3	7.2	7.2	7.3	7.2	7.2
25	7.7	7.4	7.4	7.4	7.2	7.3	7.3	7.2	7.2	7.4	7.2	7.2
26	7.7	7.4	7.4	7.5	7.2	7.3	7.3	7.2	7.2	7.4	7.2	7.2
27	7.7	7.4	7.4	7.5	7.2	7.2	7.3	7.2	7.2	7.4	7.2	7.2
28	7.6	7.4	7.4	7.4	7.2	7.2	7.3	7.2	7.2	7.4	7.2	7.2
29	7.7	7.3	7.4	7.4	7.2	7.2	7.3	7.2	7.2	7.4	7.2	7.2
30	7.7	7.3	7.4	7.5	7.2	7.2	7.4	7.2	7.2	7.4	7.2	7.2
31	7.6	7.3	7.4	---	---	---	7.4	7.2	7.2	7.4	7.2	7.2
MAX	7.9	7.5	7.5	7.7	7.3	7.3	7.5	7.2	7.3	7.4	7.2	7.2
MIN	7.6	7.3	7.4	7.4	7.2	7.2	7.2	7.0	7.1	7.2	7.0	7.1
	FEBRUARY			MARCH			APRIL			MAY		
1	7.4	7.2	7.2	7.6	7.4	7.5	7.4	7.3	7.3	7.5	7.4	7.4
2	7.3	7.2	7.2	7.6	7.4	7.5	7.4	7.3	7.3	7.5	7.4	7.5
3	7.4	7.2	7.2	7.6	7.4	7.5	7.4	7.3	7.3	7.5	7.4	7.4
4	7.4	7.2	7.2	7.6	7.4	7.4	7.4	7.3	7.3	7.5	7.4	7.4
5	7.4	7.2	7.2	7.6	7.4	7.5	7.4	7.3	7.3	7.5	7.4	7.4
6	7.4	7.2	7.2	7.6	7.4	7.4	7.5	7.3	7.4	7.5	7.4	7.5
7	7.4	7.2	7.2	7.6	7.4	7.4	7.5	7.3	7.4	7.5	7.4	7.5
8	7.4	7.2	7.2	7.6	7.4	7.4	7.5	7.3	7.4	7.5	7.4	7.5
9	7.4	7.2	7.2	7.6	7.4	7.4	7.5	7.3	7.4	7.5	7.4	7.5
10	7.4	7.2	7.2	7.6	7.4	7.4	7.5	7.3	7.4	7.5	7.4	7.4
11	7.4	7.2	7.2	7.6	7.4	7.4	7.4	7.3	7.4	7.5	7.4	7.4
12	7.4	7.2	7.2	7.6	7.4	7.5	7.4	7.3	7.3	7.5	7.3	7.4
13	7.4	7.2	7.2	7.6	7.4	7.5	7.4	7.3	7.4	7.5	7.3	7.4
14	7.4	7.2	7.2	7.6	7.4	7.5	7.4	7.3	7.4	7.5	7.3	7.4
15	7.4	7.2	7.2	7.6	7.4	7.5	7.5	7.3	7.4	7.5	7.3	7.4
16	7.5	7.2	7.4	7.6	7.4	7.4	7.4	7.2	7.3	7.5	7.4	7.4
17	7.6	7.4	7.5	7.6	7.4	7.5	7.4	7.3	7.3	7.5	7.4	7.4
18	7.6	7.4	7.5	7.6	7.4	7.5	7.4	7.3	7.3	7.5	7.3	7.4
19	7.5	7.4	7.5	7.6	7.4	7.4	7.4	7.3	7.3	7.5	7.3	7.4
20	7.6	7.4	7.4	7.6	7.4	7.5	7.4	7.3	7.4	7.5	7.3	7.4
21	7.6	7.4	7.4	7.6	7.4	7.4	7.5	7.3	7.3	7.4	7.3	7.4
22	7.6	7.4	7.5	7.6	7.4	7.4	7.5	7.3	7.3	7.4	7.3	7.4
23	7.6	7.4	7.5	7.5	7.4	7.4	7.4	7.3	7.3	7.5	7.3	7.4
24	7.6	7.4	7.5	7.5	7.4	7.4	7.4	7.3	7.3	7.5	7.3	7.3
25	7.6	7.4	7.5	7.6	7.4	7.4	7.4	7.3	7.3	7.5	7.3	7.4
26	7.6	7.4	7.5	7.5	7.2	7.4	7.4	7.3	7.3	7.5	7.3	7.4
27	7.6	7.4	7.5	7.2	7.0	7.1	7.5	7.3	7.4	7.5	7.3	7.4
28	7.6	7.4	7.5	7.2	7.1	7.2	7.5	7.4	7.4	7.6	7.3	7.5
29	---	---	---	7.3	7.2	7.2	7.5	7.4	7.4	7.6	7.4	7.5
30	---	---	---	7.3	7.2	7.3	7.5	7.4	7.5	7.6	7.4	7.4
31	---	---	---	7.4	7.3	7.3	---	---	---	7.5	7.4	7.5
MAX	7.6	7.4	7.5	7.6	7.4	7.5	7.5	7.4	7.5	7.6	7.4	7.5
MIN	7.3	7.2	7.2	7.2	7.0	7.1	7.4	7.2	7.3	7.4	7.3	7.3

14180300 BLOWOUT CREEK NEAR DETROIT, 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	7.5	7.4	7.5	7.7	7.4	7.5	7.9	7.3	7.5	7.9	7.4	7.5
2	7.5	7.4	7.5	7.7	7.4	7.5	7.8	7.3	7.5	8.0	7.4	7.5
3	7.6	7.4	7.5	7.7	7.4	7.5	7.8	7.3	7.4	8.0	7.4	7.5
4	7.6	7.4	7.5	7.7	7.4	7.5	7.8	7.3	7.4	7.9	7.4	7.4
5	7.6	7.4	7.5	7.7	7.4	7.5	7.8	7.3	7.4	7.8	7.4	7.5
6	7.5	7.4	7.5	7.7	7.4	7.5	7.8	7.3	7.4	7.9	7.4	7.5
7	7.5	7.4	7.4	7.7	7.4	7.5	7.9	7.3	7.4	7.8	7.3	7.4
8	7.5	7.3	7.4	7.7	7.4	7.5	7.8	7.3	7.4	7.8	7.3	7.4
9	7.6	7.3	7.4	7.7	7.5	7.5	7.8	7.3	7.4	7.9	7.4	7.5
10	7.6	7.3	7.4	7.7	7.4	7.5	7.8	7.3	7.4	7.9	7.4	7.5
11	7.6	7.4	7.5	7.7	7.4	7.5	7.8	7.3	7.4	7.8	7.4	7.5
12	7.6	7.4	7.5	7.7	7.4	7.5	7.9	7.3	7.4	7.8	7.4	7.4
13	7.6	7.4	7.5	7.7	7.4	7.5	7.9	7.3	7.4	7.8	7.3	7.4
14	7.6	7.4	7.5	7.7	7.4	7.5	7.9	7.3	7.4	7.7	7.3	7.4
15	7.6	7.4	7.5	7.7	7.4	7.4	7.9	7.3	7.4	7.9	7.3	7.4
16	7.6	7.4	7.5	7.7	7.3	7.4	7.9	7.3	7.4	7.8	7.4	7.4
17	7.6	7.4	7.5	7.6	7.3	7.4	8.0	7.3	7.4	7.9	7.4	7.5
18	7.6	7.4	7.5	7.7	7.3	7.4	7.9	7.3	7.4	7.7	7.4	7.4
19	7.6	7.4	7.5	7.7	7.3	7.4	7.8	7.3	7.4	7.8	7.4	7.4
20	7.6	7.4	7.5	7.7	7.3	7.4	7.8	7.3	7.4	7.8	7.3	7.4
21	7.6	7.4	7.5	7.7	7.3	7.4	7.9	7.3	7.4	7.7	7.3	7.4
22	7.6	7.4	7.5	7.7	7.3	7.4	7.9	7.3	7.4	7.7	7.3	7.4
23	7.6	7.4	7.5	7.7	7.3	7.4	7.8	7.3	7.4	7.8	7.3	7.4
24	7.7	7.4	7.5	7.7	7.3	7.4	7.8	7.3	7.4	7.7	7.3	7.4
25	7.6	7.4	7.5	7.7	7.3	7.4	7.9	7.4	7.5	7.7	7.3	7.4
26	7.7	7.4	7.5	7.7	7.3	7.4	7.9	7.4	7.5	7.7	7.3	7.4
27	7.6	7.4	7.5	7.8	7.3	7.4	7.9	7.4	7.4	7.7	7.3	7.3
28	7.6	7.4	7.5	7.8	7.3	7.4	7.8	7.4	7.4	7.7	7.3	7.4
29	7.6	7.4	7.5	7.8	7.3	7.4	7.9	7.4	7.5	7.8	7.3	7.3
30	7.7	7.4	7.5	7.8	7.3	7.4	7.8	7.4	7.5	7.9	7.3	7.3
31	---	---	---	7.8	7.3	7.4	7.8	7.4	7.4	---	---	---
MAX	7.7	7.4	7.5	7.8	7.5	7.5	8.0	7.4	7.5	8.0	7.4	7.5
MIN	7.5	7.3	7.4	7.6	7.3	7.4	7.8	7.3	7.4	7.7	7.3	7.3

14180300 BLOWOUT CREEK NEAR DETROIT, 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	12.6	9.4	11.0	6.8	5.3	6.1	4.6	3.8	4.1	4.2	3.5	3.8
2	12.4	9.2	10.7	7.9	6.7	7.2	4.5	3.7	4.0	3.5	2.6	3.0
3	12.2	9.0	10.5	6.9	5.3	6.4	3.7	3.2	3.5	2.7	1.8	2.1
4	12.0	8.8	10.3	5.4	4.6	5.0	3.9	3.2	3.5	1.8	0.9	1.4
5	12.1	8.8	10.4	5.5	4.4	4.9	4.1	3.5	3.7	1.8	0.1	0.9
6	12.3	10.7	11.3	5.6	4.5	5.1	3.6	2.2	2.8	2.7	1.8	2.2
7	13.1	10.8	11.7	6.8	5.0	5.8	3.5	2.2	3.1	3.0	2.2	2.6
8	12.3	10.6	11.2	6.2	4.9	5.6	5.4	3.5	4.6	2.9	2.1	2.5
9	11.2	9.7	10.4	6.9	5.6	6.3	6.1	5.4	5.8	2.6	2.2	2.4
10	11.2	9.3	10.1	7.5	6.2	6.8	6.6	6.0	6.3	2.9	2.4	2.6
11	10.8	8.7	9.6	6.8	5.7	6.3	6.7	6.4	6.6	2.5	2.0	2.3
12	10.8	8.2	9.4	6.5	5.0	5.9	6.4	5.5	6.0	3.1	2.2	2.6
13	11.0	8.4	9.6	7.2	5.8	6.6	6.3	5.4	5.8	3.4	2.5	2.9
14	10.6	8.0	9.3	6.7	5.2	5.9	6.8	6.1	6.5	3.0	2.4	2.7
15	10.6	8.1	9.4	6.9	5.3	6.2	6.1	4.9	5.3	2.7	2.1	2.5
16	11.2	9.1	10	7.7	6.2	6.9	4.9	4.5	4.7	3.4	2.7	3.0
17	10.0	8.8	9.7	6.2	5.2	5.8	6.0	4.9	5.4	3.4	2.9	3.2
18	8.8	8.1	8.3	6.1	5.2	5.7	5.6	5.0	5.3	4.7	3.4	4.2
19	9.2	8.0	8.5	6.1	5.0	5.5	6.1	5.1	5.5	5.1	4.6	4.8
20	9.3	8.5	8.8	5.0	3.6	4.5	5.5	4.7	5.0	5.6	4.6	5.0
21	8.9	7.8	8.6	3.7	2.9	3.3	4.7	4.1	4.4	4.8	4.2	4.5
22	8.5	7.3	7.9	4.6	3.1	3.9	5.1	4.3	4.7	5.4	4.2	4.8
23	8.4	7.4	8.1	5.8	4.3	5.1	4.8	3.4	4.1	5.5	4.5	4.9
24	7.9	6.9	7.3	6.8	5.7	6.2	3.5	3.0	3.3	4.9	4.1	4.5
25	7.5	6.3	6.9	6.9	5.8	6.4	4.1	3.1	3.6	5.6	4.2	4.8
26	7.7	6.9	7.2	5.9	5.2	5.5	4.5	3.9	4.2	6.1	5.1	5.6
27	7.5	6.6	7.1	5.4	4.3	5.0	4.1	3.6	3.9	5.8	4.8	5.5
28	7.4	6.8	7.1	4.3	3.0	3.9	4.3	3.5	3.9	5.7	4.6	5.1
29	7.9	6.9	7.3	3.3	2.3	2.9	5.0	4.3	4.6	5.3	4.5	4.9
30	7.8	6.5	7.1	4.2	3.1	3.7	4.7	3.9	4.4	4.8	3.9	4.4
31	7.0	5.4	6.3	---	---	---	3.9	3.5	3.7	5.0	3.8	4.4
MONTH	13.1	5.4	9.1	7.9	2.3	5.5	6.8	2.2	4.6	6.1	0.1	3.6
		FEBRUARY			MARCH			APRIL			MAY	
1	4.0	3.1	3.5	5.4	3.7	4.6	6.4	5.2	5.6	8.7	6.9	7.9
2	3.7	2.9	3.3	6.1	4.4	5.0	6.4	4.6	5.4	9.3	7.6	8.3
3	4.2	3.0	3.6	5.4	3.5	4.4	5.8	4.9	5.3	10.4	7.3	8.7
4	4.9	3.5	4.1	5.9	3.8	4.8	5.8	4.0	4.8	10.3	8.2	9.1
5	4.5	3.5	4.0	6.3	4.1	5.1	7.0	4.5	5.5	9.5	8.0	8.7
6	4.1	3.2	3.5	6.1	3.5	4.8	7.8	5.2	6.3	8.9	8.2	8.5
7	3.7	2.8	3.2	7.0	4.2	5.5	6.6	5.1	6.0	9.8	7.7	8.6
8	3.5	2.6	3.1	7.2	4.7	5.8	6.0	4.3	5.1	9.8	7.9	8.6
9	3.4	2.4	2.8	7.2	4.3	5.6	6.2	5.0	5.5	8.2	6.8	7.8
10	3.1	1.8	2.5	7.5	4.4	5.9	6.7	4.5	5.6	7.8	6.4	7.0
11	3.3	1.8	2.5	7.7	4.4	6.0	7.0	5.2	5.9	9.0	6.9	7.7
12	3.8	2.3	3.1	7.8	4.8	6.0	5.3	4.2	4.7	10.3	7.5	8.6
13	4.0	3.0	3.4	6.7	3.4	5.0	6.1	3.8	4.7	9.8	7.5	8.6
14	3.8	2.2	2.9	6.4	3.0	4.6	6.8	3.9	5.0	10.8	8.6	9.5
15	2.6	1.1	2.0	6.4	3.0	4.7	6.9	3.7	5.2	9.6	8.7	9.3
16	2.8	1.1	1.9	5.7	3.8	4.8	6.8	5.7	6.2	9.1	7.7	8.4
17	2.9	1.0	2.0	6.3	4.3	5.2	6.5	4.7	5.4	8.3	7.0	7.7
18	3.4	1.5	2.3	6.1	4.3	5.2	7.0	4.5	5.5	9.7	7.5	8.3
19	3.4	2.2	2.9	6.5	5.3	5.8	7.5	4.6	5.8	9.1	7.2	8.0
20	3.9	2.1	3.0	6.6	4.8	5.8	8.4	5.0	6.4	8.6	7.2	7.6
21	4.6	2.9	3.6	6.1	4.0	4.9	8.7	5.7	7.0	7.9	6.3	7.2
22	3.9	2.3	3.0	5.5	4.1	4.8	9.6	5.6	7.3	9.0	7.0	7.8
23	4.0	2.1	3.0	5.0	4.0	4.4	7.2	6.4	6.7	9.9	6.8	8.0
24	4.2	2.3	3.2	5.0	3.4	4.3	8.0	6.1	6.9	10.4	6.0	7.9
25	4.4	2.4	3.3	6.0	3.9	4.8	7.9	6.6	7.1	11.4	6.5	8.7
26	4.6	2.5	3.5	5.6	4.5	5.1	9.9	6.3	7.7	12.5	7.7	9.8
27	5.4	2.9	4.1	6.0	5.5	5.8	10.3	6.4	8.0	13.2	8.5	10.6
28	5.5	4.2	4.7	5.5	4.9	5.3	9.6	7.4	8.3	11.4	9.8	10.5
29	---	---	---	5.0	4.5	4.7	7.8	7.3	7.6	10.6	9.4	9.9
30	---	---	---	5.6	4.5	5.0	10.6	7.1	8.4	11.6	9.0	10
31	---	---	---	6.8	4.5	5.5	---	---	---	10.0	9.1	9.6
MONTH	5.5	1.0	3.1	7.8	3.0	5.1	10.6	3.7	6.2	13.2	6.0	8.6

14180300 BLOWOUT CREEK NEAR DETROIT, 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	10.0	8.6	9.2	16.2	11.5	13.4	18.0	13.8	15.7	17.7	12.0	14.7
2	10.0	8.4	9.2	15.6	10.8	12.8	19.3	13.8	15.9	17.4	12.9	14.8
3	12.1	8.4	9.8	15.7	10.1	12.6	18.9	12.0	15.2	16.0	13.0	14.3
4	11.5	7.6	9.3	16.4	10.2	13.0	19.4	12.6	15.7	16.4	11.7	13.7
5	10.4	7.8	8.9	16.9	11.1	13.7	20.0	13.5	16.4	15.6	10.4	12.9
6	9.6	7.3	8.2	15.0	12.5	13.4	19.8	13.3	16.3	15.9	10.7	13.1
7	9.0	7.1	7.9	16.6	11.7	13.7	19.7	13.4	16.3	16.8	11.3	13.8
8	11.1	7.0	8.7	13.9	11.5	12.5	19.6	13.5	16.3	17.0	11.5	14.0
9	12.2	7.4	9.5	14.9	11.7	12.9	19.4	13.3	16.0	13.9	12.1	13.0
10	10.1	8.2	9.2	15.0	11.6	12.8	18.9	12.8	15.5	13.2	11.3	12.0
11	10.0	8.6	9.2	17.3	11.8	14.0	18.4	12.2	15.0	14.1	10.3	11.8
12	11.0	7.9	9.2	17.5	12.6	14.6	18.6	12.0	15.0	14.6	9.9	11.8
13	11.9	8.6	9.9	17.4	12.3	14.4	19.3	13.0	15.7	14.5	9.5	11.8
14	10.5	9.0	9.7	17.7	11.2	14.2	19.0	12.5	15.5	14.7	9.8	12.0
15	12.4	8.0	10.0	18.5	12.6	15.2	18.9	12.4	15.5	14.3	10.3	11.9
16	10.6	9.0	9.7	18.2	13.0	15.1	18.9	13.2	15.8	11.6	10.1	10.8
17	10.6	8.8	9.5	18.5	11.8	14.8	17.0	13.3	14.8	13.2	10.3	11.4
18	10.4	8.6	9.4	19.3	12.8	15.6	18.8	13.3	15.5	13.7	9.2	11.0
19	12.4	8.2	9.9	18.8	13.0	15.5	19.2	13.2	15.9	13.6	8.8	11.0
20	13.7	8.3	10.7	18.6	12.1	15.1	19.4	13.2	16.1	13.6	8.9	11.0
21	13.2	9.7	11.2	18.9	12.5	15.4	19.6	13.9	16.5	12.9	8.1	10.4
22	12.0	9.9	10.6	19.0	14.6	16.2	18.1	14.0	15.9	12.5	8.3	10.3
23	14.1	8.8	11.1	19.5	13.6	15.9	17.4	12.5	14.6	12.8	9.3	10.7
24	14.2	9.6	11.7	18.2	12.5	15.1	17.3	11.0	13.9	11.6	7.2	9.2
25	14.5	10.4	12.0	18.3	11.7	14.7	17.6	11.1	14.2	11.7	6.8	9.0
26	13.3	9.5	11.2	19.1	12.4	15.4	18.1	12.2	14.9	12.0	7.2	9.4
27	11.8	10.4	11.0	19.5	12.5	15.7	17.9	12.1	14.8	12.3	7.6	9.7
28	14.3	10.3	11.7	19.9	13.7	16.4	17.5	11.7	14.5	12.5	7.9	9.9
29	15.5	10.2	12.4	19.6	13.3	16.2	15.1	13.1	14.0	12.3	8.1	10.2
30	16.0	10.5	12.9	19.9	13.2	16.2	17.0	12.1	14.2	13.9	10.8	12.0
31	---	---	---	20.0	13.5	16.4	17.3	11.5	14.2	---	---	---
MONTH	16.0	7.0	10.1	20.0	10.1	14.6	20.0	11.0	15.3	17.7	6.8	11.7
YEAR	20.0	0.1	8.2									

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	4	<1	<1	11	3	3
2	1	<1	<1	17	<1	<1	<1	<1	<1	3	2	2
3	<1	<1	<1	8	1	2	<1	<1	<1	3	2	2
4	<1	<1	<1	2	<1	<1	<1	<1	<1	3	2	2
5	<1	<1	<1	1	<1	<1	<1	<1	<1	3	2	2
6	<1	<1	<1	2	<1	<1	<1	<1	<1	3	2	2
7	<1	<1	<1	1	<1	<1	4	<1	<1	4	2	2
8	<1	<1	<1	1	<1	<1	57	4	32	5	2	2
9	<1	<1	<1	<1	<1	<1	28	12	15	3	2	2
10	<1	<1	<1	<1	<1	<1	28	11	18	3	2	2
11	<1	<1	<1	1	<1	<1	26	10	15	3	2	2
12	<1	<1	<1	<1	<1	<1	25	7	9	3	2	2
13	<1	-1	<1	<1	<1	<1	10	5	6	3	2	2
14	<1	-1	-1	<1	<1	<1	308	5	8	3	2	2
15	<1	-1	-1	<1	<1	<1	12	4	5	5	2	2
16	<1	-1	-1	<1	<1	<1	8	4	4	4	2	2
17	3	-1	<1	<1	<1	<1	6	4	4	14	2	3
18	16	<1	4	2	<1	<1	6	3	4	34	8	24
19	3	<1	<1	<1	<1	<1	4	3	3	10	2	4
20	<1	<1	<1	<1	<1	<1	3	3	3	4	1	2
21	<1	<1	<1	<1	<1	<1	4	3	3	2	<1	1
22	<1	<1	<1	<1	<1	<1	3	3	3	2	<1	<1
23	<1	<1	<1	<1	<1	<1	4	2	3	2	<1	<1
24	<1	<1	<1	1	<1	<1	3	2	3	1	<1	<1
25	<1	<1	<1	6	<1	<1	4	2	2	<1	<1	<1
26	1	<1	<1	2	<1	<1	10	3	4	9	<1	<1
27	<1	<1	<1	<1	<1	<1	3	2	2	1	<1	<1
28	3	<1	<1	1	<1	<1	4	2	2	2	<1	<1
29	<1	<1	<1	<1	<1	<1	5	2	3	8	<1	1
30	1	<1	<1	1	<1	<1	4	2	3	<1	<1	<1
31	3	<1	<1	---	---	---	7	2	3	8	<1	<1
MAX	16	<1	4	17	1	2	308	12	32	34	8	24
MIN	<1	-1	-1	<1	<1	<1	<1	<1	<1	<1	<1	<1
	FEBRUARY			MARCH			APRIL			MAY		
1	<1	<1	<1	<1	<1	<1	12	3	4	1	<1	<1
2	1	<1	<1	<1	<1	<1	4	2	3	1	<1	<1
3	<1	<1	<1	2	<1	<1	13	2	3	2	<1	<1
4	4	<1	<1	1	<1	<1	4	2	3	<1	<1	<1
5	2	<1	<1	3	<1	<1	6	2	2	3	<1	<1
6	3	<1	<1	<1	<1	<1	6	1	2	3	<1	<1
7	<1	<1	<1	<1	<1	<1	7	1	2	1	<1	<1
8	1	<1	<1	<1	<1	<1	6	1	2	7	<1	<1
9	1	<1	<1	4	<1	<1	3	1	2	10	1	3
10	<1	<1	<1	<1	<1	<1	4	<1	1	5	2	2
11	<1	<1	<1	<1	<1	<1	7	1	2	3	1	2
12	3	<1	<1	<1	<1	<1	4	1	1	3	<1	1
13	3	<1	<1	<1	<1	<1	3	<1	1	3	<1	<1
14	<1	<1	<1	<1	<1	<1	6	<1	1	2	<1	<1
15	<1	<1	<1	<1	<1	<1	2	<1	<1	6	<1	<1
16	<1	<1	<1	5	<1	<1	6	<1	2	3	<1	1
17	<1	<1	<1	9	<1	<1	13	1	2	2	<1	<1
18	<1	<1	<1	1	<1	<1	2	<1	1	8	<1	3
19	5	<1	<1	4	<1	<1	2	<1	<1	7	1	2
20	2	<1	<1	7	<1	1	2	<1	<1	13	1	2
21	2	<1	<1	4	<1	1	2	<1	<1	3	<1	1
22	2	<1	<1	8	<1	2	6	<1	<1	8	<1	1
23	<1	<1	<1	9	<1	4	5	<1	<1	2	<1	<1
24	<1	<1	<1	14	<1	4	2	<1	<1	1	<1	<1
25	<1	<1	<1	10	<1	6	2	<1	<1	3	<1	<1
26	<1	<1	<1	60	<1	8	3	<1	<1	3	<1	<1
27	<1	<1	<1	930	44	87	4	<1	<1	3	<1	<1
28	10	<1	<1	44	13	22	3	<1	<1	2	<1	<1
29	---	---	---	14	7	10	2	<1	<1	3	<1	<1
30	---	---	---	8	4	5	1	<1	<1	2	<1	<1
31	---	---	---	8	3	4	---	---	---	3	<1	<1
MAX	10	<1	<1	930	44	87	13	3	4	13	2	3
MIN	<1	<1	<1	<1	<1	<1	1	<1	<1	<1	<1	<1

14180300 BLOWOUT CREEK NEAR DETROIT, 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	2	<1	<1
2	2	<1	<1	2	<1	<1	1	<1	<1	<1	<1	<1
3	1	<1	<1	<1	<1	<1	1	<1	<1	<1	<1	<1
4	1	<1	<1	<1	<1	<1	3	<1	<1	2	<1	<1
5	2	<1	<1	<1	<1	<1	2	<1	<1	<1	<1	<1
6	5	<1	<1	3	<1	<1	<1	<1	<1	<1	<1	<1
7	1	<1	<1	<1	<1	<1	<1	<1	<1	3	<1	<1
8	2	<1	<1	<1	<1	<1	2	<1	<1	<1	<1	<1
9	2	<1	<1	<1	<1	<1	2	<1	<1	<1	<1	<1
10	2	<1	<1	<1	<1	<1	<1	<1	<1	1	<1	<1
11	2	<1	<1	<1	<1	<1	1	<1	<1	<1	<1	<1
12	<1	<1	<1	<1	<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	4	<1	<1	<1	<1	<1	<1	<1	<1
15	<1	<1	<1	2	<1	<1	7	<1	<1	2	<1	<1
16	6	<1	<1	1	<1	<1	2	<1	<1	<1	<1	<1
17	3	<1	<1	6	<1	<1	<1	<1	<1	1	<1	<1
18	1	<1	<1	2	<1	<1	2	<1	<1	---	---	---
19	6	<1	<1	<1	<1	<1	<1	<1	<1	---	---	---
20	6	<1	<1	6	<1	<1	<1	<1	<1	---	---	---
21	<1	<1	<1	3	<1	<1	3	<1	<1	---	---	---
22	<1	<1	<1	2	<1	<1	---	---	---	<1	<1	<1
23	2	<1	<1	<1	<1	<1	---	---	---	<1	<1	<1
24	2	<1	<1	<1	<1	<1	---	---	---	<1	<1	<1
25	1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
26	<1	<1	<1	<1	<1	<1	2	<1	<1	<1	<1	<1
27	1	<1	<1	1	<1	<1	1	<1	<1	<1	<1	<1
28	<1	<1	<1	2	<1	<1	5	<1	<1	<1	<1	<1
29	<1	<1	<1	<1	<1	<1	1	<1	<1	<1	<1	<1
30	<1	<1	<1	<1	<1	<1	2	<1	<1	1	<1	<1
31	---	---	---	<1	<1	<1	<1	<1	<1	---	---	---
MAX	6	<1	<1	6	<1	<1	7	<1	<1	3	<1	<1
MIN	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1