

Figure 28. Location of surface-water and water-quality stations in the Oregon Coastal Drainages north of the Siuslaw River Basin and in the lower Columbia River.

COLUMBIA RIVER MAIN STEM
14246900 COLUMBIA RIVER AT BEAVER ARMY TERMINAL, NEAR QUINCY, OR
(National stream quality accounting network station)

LOCATION.--Lat 46°10'53", long 123°10'56", in NE ¼ sec.16, T.8 N., R.4 W., Columbia County, Hydrologic Unit 17080003, on left bank, 0.7 mi downstream from Crims Island, 3.0 mi northwest of Quincy, and at mile 53.8.

DRAINAGE AREA.--256,900 mi², approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--May 1968 to June 1970, June 1991 to current year.

GAGE.--Water-stage and velocity index recorder. Datum of gage is 0.52 ft above NGVD of 1929. May 1968 to June 1970 water-stage recorder with auxiliary water-stage recorder 5.6 miles downstream, at datum 10.00 ft lower.

REMARKS.--Records fair. Flow regulated by many reservoirs on Columbia River and in tributary basins. Flows affected by tide which can cause reverse direction during tidal cycle when mean daily flows are less than 250,000 ft³/s. Mean discharge values are based on a 24 hour day, not a tidal cycle.

AVERAGE DISCHARGE.--14 years (water years 1969, 1992-2004), 233,900 ft³/s, 169,400,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 864,000 ft³/s Feb. 10, 1996; minimum daily discharge, 63,600 ft³/s Sept. 9, 2001.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 400,000 ft³/s Jan. 31; maximum gage height, 9.02 ft Dec. 24; minimum daily discharge, 91,900 ft³/s Oct. 20.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	99,000	140,000	190,000	247,000	e370,000	192,000	212,000	201,000	325,000	211,000	151,000	171,000
2	111,000	122,000	186,000	219,000	e350,000	205,000	196,000	204,000	315,000	212,000	132,000	176,000
3	123,000	149,000	189,000	208,000	324,000	188,000	180,000	189,000	302,000	184,000	132,000	177,000
4	105,000	149,000	187,000	235,000	292,000	194,000	179,000	198,000	276,000	164,000	135,000	143,000
5	98,200	150,000	180,000	240,000	285,000	190,000	166,000	231,000	287,000	164,000	143,000	121,000
6	97,900	152,000	211,000	241,000	254,000	214,000	166,000	253,000	286,000	183,000	130,000	117,000
7	99,800	148,000	230,000	227,000	244,000	204,000	171,000	253,000	296,000	191,000	130,000	114,000
8	108,000	141,000	234,000	245,000	243,000	187,000	184,000	244,000	300,000	186,000	123,000	117,000
9	120,000	134,000	230,000	235,000	213,000	184,000	198,000	248,000	299,000	183,000	107,000	112,000
10	131,000	129,000	226,000	234,000	213,000	186,000	186,000	230,000	301,000	197,000	129,000	128,000
11	109,000	138,000	225,000	228,000	210,000	183,000	179,000	252,000	305,000	183,000	153,000	151,000
12	104,000	145,000	221,000	229,000	200,000	192,000	176,000	266,000	316,000	165,000	172,000	135,000
13	108,000	143,000	250,000	226,000	182,000	181,000	186,000	270,000	315,000	178,000	154,000	127,000
14	110,000	140,000	288,000	217,000	183,000	185,000	190,000	250,000	300,000	163,000	145,000	126,000
15	110,000	143,000	306,000	220,000	176,000	175,000	210,000	247,000	290,000	186,000	122,000	123,000
16	118,000	123,000	304,000	234,000	181,000	183,000	230,000	227,000	288,000	156,000	121,000	137,000
17	137,000	159,000	308,000	238,000	181,000	192,000	232,000	e225,000	271,000	146,000	143,000	116,000
18	114,000	158,000	292,000	212,000	202,000	162,000	219,000	e215,000	236,000	139,000	139,000	141,000
19	99,900	175,000	271,000	219,000	225,000	203,000	193,000	232,000	238,000	125,000	154,000	154,000
20	91,900	173,000	255,000	215,000	248,000	212,000	207,000	245,000	215,000	147,000	153,000	152,000
21	124,000	171,000	250,000	218,000	221,000	179,000	228,000	264,000	214,000	137,000	146,000	159,000
22	126,000	185,000	226,000	201,000	194,000	170,000	265,000	252,000	230,000	132,000	141,000	142,000
23	134,000	180,000	194,000	192,000	185,000	182,000	238,000	264,000	229,000	128,000	126,000	158,000
24	140,000	157,000	188,000	230,000	188,000	190,000	224,000	271,000	218,000	136,000	129,000	172,000
25	145,000	139,000	198,000	274,000	202,000	191,000	224,000	262,000	187,000	127,000	148,000	153,000
26	142,000	157,000	196,000	251,000	202,000	218,000	216,000	258,000	199,000	127,000	170,000	150,000
27	136,000	162,000	194,000	275,000	202,000	224,000	196,000	275,000	206,000	155,000	192,000	138,000
28	123,000	127,000	204,000	275,000	224,000	205,000	208,000	316,000	201,000	154,000	202,000	149,000
29	134,000	171,000	212,000	340,000	197,000	181,000	208,000	341,000	205,000	156,000	174,000	140,000
30	156,000	194,000	251,000	392,000	---	195,000	205,000	343,000	204,000	166,000	163,000	139,000
31	152,000	---	249,000	e400,000	---	199,000	---	331,000	---	156,000	177,000	---
TOTAL	3,706,700	4,554,000	7,145,000	7,617,000	6,591,000	5,946,000	6,072,000	7,857,000	7,854,000	5,037,000	4,536,000	4,238,000
MEAN	119,600	151,800	230,500	245,700	227,300	191,800	202,400	253,500	261,800	162,500	146,300	141,300
MAX	156,000	194,000	308,000	400,000	370,000	224,000	265,000	343,000	325,000	212,000	202,000	177,000
MIN	91,900	122,000	180,000	192,000	176,000	162,000	166,000	189,000	187,000	125,000	107,000	112,000
AC-FT	7,352,000	9,033,000	14,170,000	15,110,000	13,070,000	11,790,000	12,040,000	15,580,000	15,580,000	9,991,000	8,997,000	8,406,000

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1969 - 2004, BY WATER YEAR (WY)

MEAN	141,800	190,700	260,800	282,500	276,400	253,900	271,700	326,300	314,100	205,800	155,300	127,300
MAX	212,300	256,500	430,800	444,300	543,400	388,700	406,500	507,500	514,500	279,300	223,000	177,300
(WY)	(1998)	(1996)	(1996)	(1997)	(1996)	(1997)	(1969)	(1997)	(1997)	(1997)	(1999)	(1997)
MIN	98,380	136,100	175,400	153,400	141,500	142,100	150,500	174,700	151,700	98,390	106,300	90,080
(WY)	(2002)	(1994)	(1994)	(2001)	(2001)	(2001)	(2001)	(2001)	(2001)	(2001)	(2001)	(2001)

COLUMBIA RIVER MAIN STEM
 14246900 COLUMBIA RIVER AT BEAVER ARMY TERMINAL, NEAR QUINCY, OR—Continued
 (National stream quality accounting network station)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1969 - 2004	
ANNUAL TOTAL	77,392,000		71,153,700			
ANNUAL MEAN	212,000		194,400		233,900	
HIGHEST ANNUAL MEAN					338,200	
LOWEST ANNUAL MEAN					140,000	
HIGHEST DAILY MEAN	503,000	Feb 1	400,000	Jan 31	864,000	Feb 10, 1996
LOWEST DAILY MEAN	82,900	Sep 15	91,900	Oct 20	63,600	Sep 9, 2001
ANNUAL SEVEN-DAY MINIMUM	90,100	Sep 10	105,000	Oct 1	78,700	Sep 5, 2001
ANNUAL RUNOFF (AC-FT)	153,500,000		141,100,000		169,400,000	
10 PERCENT EXCEEDS	320,000		274,000		379,000	
50 PERCENT EXCEEDS	190,000		189,000		211,000	
90 PERCENT EXCEEDS	111,000		126,000		123,000	

e Estimated



2004 Water Year
COLUMBIA RIVER BASIN

14246900 COLUMBIA RIVER AT BEAVER ARMY TERMINAL NR QUINCY, OR

Latitude: 46° 10' 53"

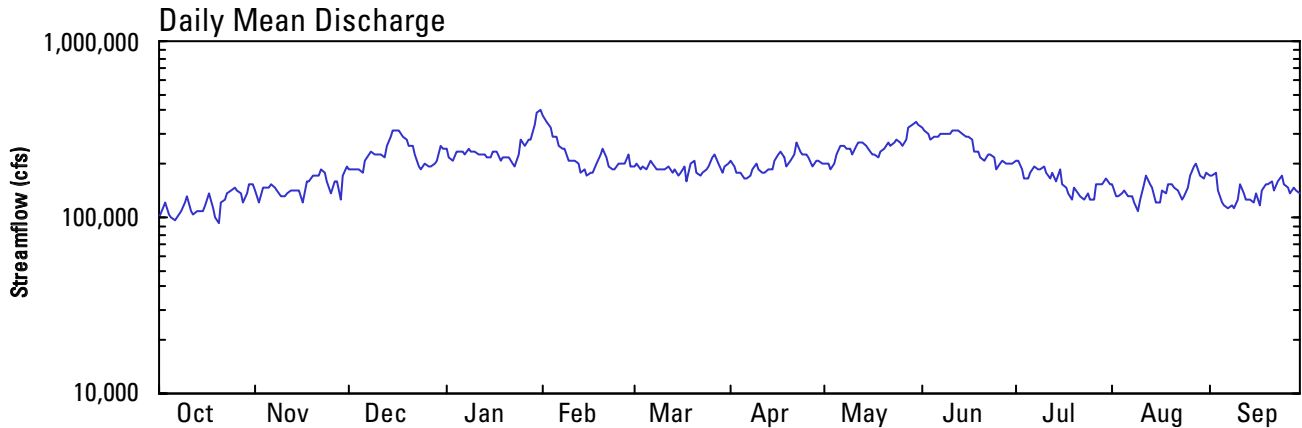
Longitude: 123° 10' 56"

Hydrologic Unit Code: 17080003

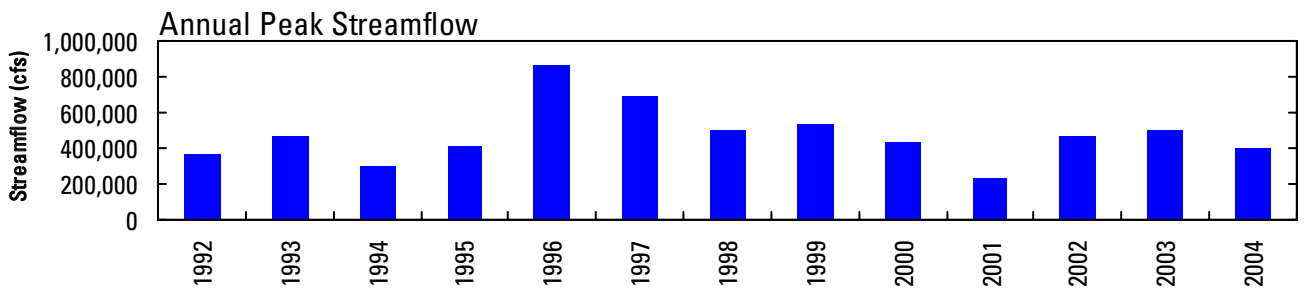
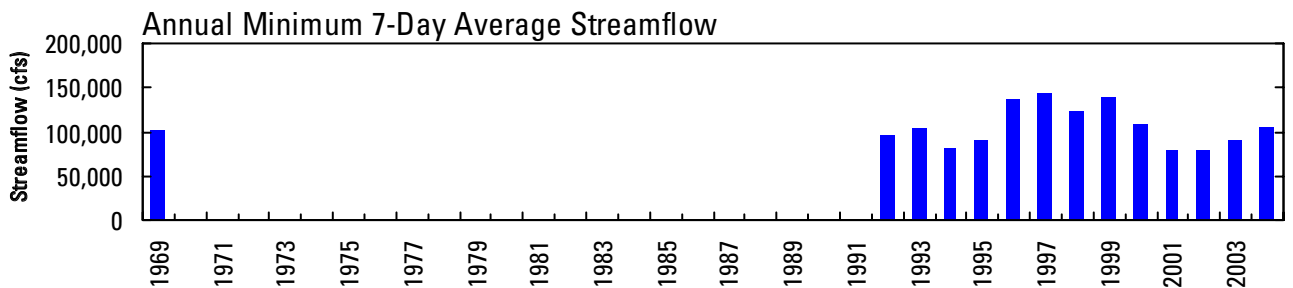
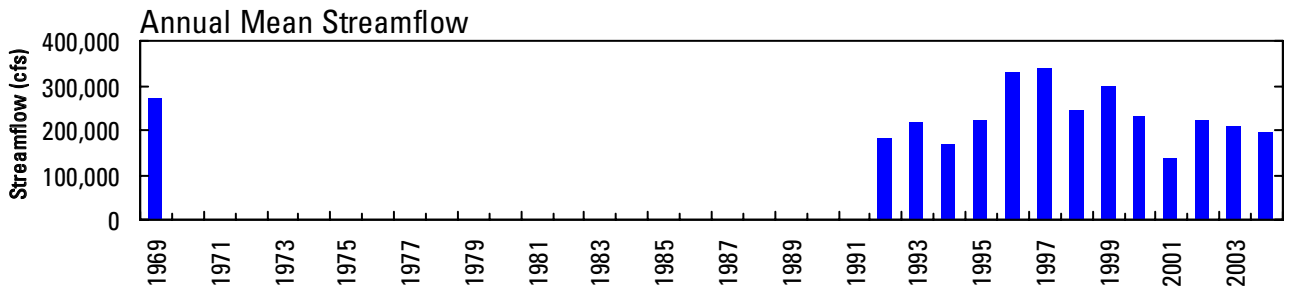
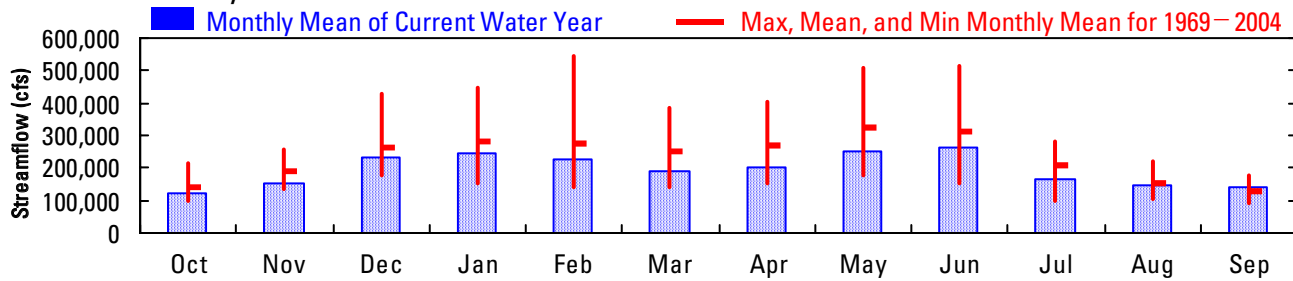
Columbia County

Datum: 0.52 feet

Drainage Area: 256,900 square miles



Monthly Statistics



WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1993 to September 2003 (discontinued).
WATER TEMPERATURE: August 1967 to September 1970, October 1993 to September 2003 (discontinued).
TURBIDITY: February 2001 to current year.

INSTRUMENTATION.--Water-quality monitor.

REMARKS.--Turbidity records excellent. The probe was checked using a formazin standard. Turbidity data are highly dependent on the instrumentation used for the measurement. See the "Definitions" section for turbidity in the front of this report. Since February, 1994, specific conductance and temperature sensors located near right bank. Prior to that time, sensors were located near left bank. It was determined that daily record collected prior to February 1994 is not representative of the cross section due to a seasonal influence from several upstream sloughs. Additional specific conductance and temperature data for the period October 1992 to September 1993 available in the files of the Portland field office. Boron values less than 16 UG/L have been designated as estimated due to a change in the minimum reporting level effective December 22, 1997.

EXTREMES FOR PERIOD OF RECORD.--

SPECIFIC CONDUCTANCE: Maximum recorded, 188 microsiemens Feb. 5, 1994, but may have been higher during periods of missing record; minimum recorded, 73 microsiemens Feb. 9, 1996, but may have been lower during periods of missing record.
WATER TEMPERATURE: Maximum, 24.0°C July 28, 1998; minimum, 0.0°C Jan. 31, Feb. 1, 1969.
TURBIDITY: Maximum, 221 FNU Feb. 1, 2003; minimum, <1 FNU Mar. 2, 2001, Oct. 3, 2003.

EXTREMES FOR CURRENT YEAR.--

TURBIDITY: Maximum, 148 FNU Jan 31; minimum, <1 FNU Oct. 3.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Dis-charge, cfs (00060)	Turbidity, wat unflab, Hach 2100AN NTU (99872)	Barometric pressure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Temper-ature, water, deg C (00010)	Hard-ness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnes-ium, water, fltrd, mg/L (00925)	Potas-sium, water, fltrd, mg/L (00935)
OCT													
16...	1240	118,000	--	760	9.4	96	--	136	16.1	--	--	--	--
NOV													
20...	1120	173,000	9.3	761	11.0	96	7.9	128	9.5	53	14.4	3.97	1.11
DEC													
15...	1240	306,000	10	770	12.0	99	7.8	107	7.4	44	11.6	3.52	1.02
JAN													
12...	1250	229,000	8.7	763	13.3	101	7.8	124	3.6	47	12.8	3.56	.92
FEB													
02...	1310	E350,000	23	751	--	--	7.6	93	5.9	38	10.2	2.99	.92
MAR													
01...	1200	192,000	--	760	12.8	104	8.0	141	6.2	--	--	--	--
APR													
05...	1200	166,000	2.9	764	12.2	108	8.3	163	10.2	58	15.6	4.52	1.30
MAY													
03...	1120	189,000	2.9	765	--	--	8.1	140	13.7	58	15.6	4.52	1.30
JUN													
03...	1300	302,000	--	762	10.3	103	7.8	109	15.5	45	12.4	3.36	--
22...	1130	230,000	--	765	10.3	108	7.7	113	17.9	44	12.4	3.18	--
JUL													
26...	1140	127,000	4.5	767	8.8	100	7.8	122	22.2	53	14.9	3.79	1.15
AUG													
17...	1220	143,000	--	762	8.9	105	7.9	130	23.2	52	14.4	3.83	--
SEP													
13...	1250	127,000	17	753	8.7	96	7.7	131	19.4	52	14.3	3.84	1.06

COLUMBIA RIVER MAIN STEM
14246900 COLUMBIA RIVER AT BEAVER ARMY TERMINAL, NEAR QUINCY, OR—Continued
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WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt inc tit field, mg/L as CaCO ₃ (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Carbonate, wat flt incrm. titr., field, mg/L (00452)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate, water, fltrd, mg/L (00945)	Residue water, sum of constituents mg/L (70301)	Residue water, fltrd, tons/ acre-ft (70303)	Residue on evap. at 180degC wat flt mg/L (70300)
OCT 16...	--	--	--	53	64	.0	--	--	--	--	--	--	--
NOV 20...	.4	6.38	21	48	58	.0	4.53	<.2	9.55	9.5	79	.11	79
DEC 15...	.4	5.37	21	38	46	.0	3.74	<.2	11.5	7.3	69	.09	65
JAN 12...	.4	5.57	20	45	55	.0	4.17	<.2	10.3	8.8	76	.10	74
FEB 02...	.3	4.70	21	34	41	.0	3.14	<.2	11.8	6.3	62	.09	68
MAR 01...	--	--	--	52	63	.0	--	--	--	--	--	--	--
APR 05...	.4	6.85	20	61	73	.0	3.56	<.2	12.3	9.6	91	.13	96
MAY 03...	.4	6.85	20	64	53	.0	3.56	<.2	12.3	9.6	81	.13	96
JUN 03...	--	--	--	43	52	.0	--	--	--	--	--	--	--
JUN 22...	--	--	--	54	44	.0	--	--	--	--	--	--	--
JUL 26...	.4	5.87	19	48	58	.0	3.44	<.2	10.9	8.4	78	.10	75
AUG 17...	--	--	--	49	59	.0	--	--	--	--	--	--	--
SEP 13...	.4	6.09	20	49	60	.0	3.65	<.2	10.1	8.1	77	.11	83

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Total carbon, suspnd sediment total, mg/L (00694)	Inorganic carbon, suspnd sediment total, mg/L (00688)	Organic carbon, suspnd sediment total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)	Chlorophyll a phytoplankton, fluoro, ug/L (70953)
OCT 16...	--	--	--	--	--	--	--	--	.3	<.1	.3	1.6	--
NOV 20...	.10	.15	.028	.246	.004	.016	.022	.046	.2	<.1	.2	1.6	--
DEC 15...	.14	.20	.028	.561	.006	.018	.024	.063	.6	<.1	.6	1.8	.8
JAN 12...	E.08	.21	.029	.568	.004	.015	.018	.044	.3	<.1	.3	1.7	--
FEB 02...	E.09	.22	.013	.508	.004	.012	.017	.079	.8	<.1	.8	1.7	--
MAR 01...	--	--	--	--	--	--	--	--	.4	<.1	.4	1.8	--
APR 05...	.11	.17	<.010	.227	.004	.006	.013	.036	.5	<.1	.5	1.9	--
MAY 03...	.11	.17	<.010	.227	.004	.006	.013	.036	.5	<.1	.5	1.9	--
JUN 03...	--	--	<.04	.138	E.001	.007	--	.040	.4	<.1	.4	2.5	--
JUN 22...	--	--	<.04	.131	E.001	.008	--	.037	.3	<.1	.3	1.9	5.4
JUL 26...	E.08	.17	<.010	.087	.002	.010	.013	.035	.4	<.1	.4	1.7	4.6
AUG 17...	--	--	<.04	.081	.003	E.004	--	.038	.7	<.1	.7	2.1	4.5
SEP 13...	<.10	.15	.026	.112	.003	.016	.020	.054	.3	<.1	.3	1.6	2.9

COLUMBIA RIVER MAIN STEM
14246900 COLUMBIA RIVER AT BEAVER ARMY TERMINAL, NEAR QUINCY, OR—Continued
(National stream quality accounting network station)

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WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)	Arsenic, water, fltrd, ug/L (01000)	Barium, water, fltrd, ug/L (01005)	Beryllium, water, fltrd, ug/L (01010)	Boron, water, fltrd, ug/L (01020)	Cadmium, water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Cobalt, water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Lithium, water, fltrd, ug/L (01130)
OCT 16...	--	--	--	--	--	--	--	--	--	--	--	--	--
NOV 20...	--	--	.7	--	--	12	--	--	--	--	13	--	2.2
DEC 15...	6	E.10	.5	13	<.06	E8	<.04	<.8	.054	1.0	15	<.08	1.8
JAN 12...	--	--	.6	--	--	8	--	--	--	--	10	--	1.9
FEB 02...	7	<.20	.4	12	<.06	12	<.04	<.8	.059	.9	13	<.08	1.6
MAR 01...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR 05...	2	E.11	.8	18	<.06	13	<.04	<.8	.075	.9	8	<.08	2.6
MAY 03...	2	E.11	.8	18	<.06	13	<.04	<.8	.075	.9	8	<.08	2.6
JUN 03...	3	E.15	.7	15	<.06	--	<.04	<.8	.060	1.1	--	.09	--
22...	2	E.12	.7	17	<.06	--	<.04	<.8	.060	1.0	--	E.05	--
JUL 26...	3	E.14	.8	18	<.06	10	<.04	<.8	.064	.9	7	<.08	2.1
AUG 17...	4	E.14	1.0	20	<.06	--	<.04	<.8	.051	1.2	--	E.04	--
SEP 13...	7	E.13	.9	19	<.06	10	<.04	<.8	.049	1.0	7	<.08	2.2

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Manganese, water, fltrd, ug/L (01056)	Molybdenum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Selenium, water, fltrd, ug/L (01145)	Silver, water, fltrd, ug/L (01075)	Strontium, water, fltrd, ug/L (01080)	Vanadium, water, fltrd, ug/L (01085)	Zinc, water, fltrd, ug/L (01090)	2,6-Diethyl-aniline water fltrd 0.7u GF ug/L (82660)	CIAT, water, fltrd, ug/L (04040)	Aceto-chlor, water, fltrd, ug/L (49260)	Ala-chlor, water, fltrd, ug/L (46342)	alpha-HCH, water, fltrd, ug/L (34253)
OCT 16...	--	--	--	--	--	--	--	--	--	--	--	--	--
NOV 20...	--	--	--	<.4	--	76.3	1.6	--	<.006	<.006	<.006	<.005	<.005
DEC 15...	2.6	.4	.40	<.4	<.2	65.8	1.3	1.6	<.006	<.006	<.006	<.005	<.005
JAN 12...	--	--	--	<.4	--	68.3	1.6	--	<.006	E.005	<.006	<.005	<.005
FEB 02...	3.1	E.4	.41	<.4	<.2	55.6	1.4	E.3	<.006	<.006	<.006	<.005	<.005
MAR 01...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR 05...	1.0	.7	.56	<.4	<.2	76.1	2.4	1.2	<.006	<.006	<.006	<.005	<.005
MAY 03...	1.0	.7	.56	<.4	<.2	76.1	2.4	1.2	<.006	<.006	<.006	<.005	<.005
JUN 03...	1.0	.6	1.09	--	<.2	--	--	2.5	<.006	E.004	<.006	<.005	<.005
22...	.7	.6	.60	--	<.2	--	--	1.4	<.006	<.006	<.006	<.005	<.005
JUL 26...	.2	.7	.80	<.4	<.2	73.2	1.9	.8	<.006	<.006	<.006	<.005	<.005
AUG 17...	.4	.8	.69	--	<.2	--	--	1.3	<.006	<.006	<.006	<.005	<.005
SEP 13...	.6	.7	.37	E.2	<.2	76.1	1.9	1.3	<.006	<.006	<.006	<.005	<.005

COLUMBIA RIVER MAIN STEM
14246900 COLUMBIA RIVER AT BEAVER ARMY TERMINAL, NEAR QUINCY, OR—Continued
(National stream quality accounting network station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Atra- zine, water, fltrd, ug/L (39632)	Azin- phos- methyl, water, fltrd, 0.7u GF ug/L (82686)	Ben- flur- alin, water, fltrd, 0.7u GF ug/L (82673)	Butyl- ate, water, fltrd, ug/L (04028)	Car- baryl, water, fltrd, 0.7u GF ug/L (82680)	Carbo- furan, water, fltrd, 0.7u GF ug/L (82674)	Chlor- pyrifos water, fltrd, ug/L (38933)	cis- Per- methrin water fltrd 0.7u GF ug/L (82687)	Cyana- zine, water, fltrd, ug/L (04041)	DCPA, water fltrd 0.7u GF ug/L (82682)	Diazi- non, water, fltrd, ug/L (39572)	Diel- drin, water, fltrd, ug/L (39381)	Disul- foton, water, fltrd 0.7u GF ug/L (82677)
OCT 16...	--	--	--	--	--	--	--	--	--	--	--	--	--
NOV 20...	<.007	<.050	<.010	<.004	<.041	<.020	<.005	<.006	<.018	<.003	<.005	<.009	<.02
DEC 15...	.011	<.050	<.010	<.004	E.005	<.020	<.005	<.006	<.018	<.003	<.005	<.009	<.02
JAN 12...	.019	<.050	<.010	<.004	<.041	<.020	<.005	<.006	<.018	<.003	<.005	<.009	<.02
FEB 02...	.027	<.050	<.010	<.004	<.041	<.020	<.005	<.006	<.018	<.003	<.005	<.009	<.02
MAR 01...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR 05...	.008	<.050	<.010	<.004	<.041	<.020	.006	<.006	<.018	<.003	<.005	<.009	<.02
MAY 03...	.008	<.050	<.010	<.004	<.041	<.020	<.005	<.006	<.018	<.003	<.005	<.009	<.02
JUN 03...	E.006	<.050	<.010	<.004	<.041	<.020	<.005	<.006	<.018	E.003	<.005	<.009	<.02
JUN 22...	E.003	<.050	<.010	<.004	<.041	<.020	<.005	<.006	<.018	E.002	<.005	<.009	<.02
JUL 26...	<.007	<.050	<.010	<.004	<.041	<.020	<.005	<.006	<.018	<.003	<.005	<.009	<.02
AUG 17...	<.010	<.050	<.010	<.004	<.041	<.020	<.005	<.006	<.018	<.003	<.005	<.009	<.02
SEP 13...	E.002	<.050	<.010	<.004	<.041	<.020	<.005	<.006	<.018	<.003	<.005	<.009	<.02

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethal- flur- alin, water, fltrd 0.7u GF ug/L (82663)	Etho- prop, water, fltrd 0.7u GF ug/L (82672)	Fonofos water, fltrd, ug/L (04095)	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF ug/L (82666)	Mala- thion, water, fltrd, ug/L (39532)	Methyl para- thion, water, fltrd 0.7u GF ug/L (82667)	Metola- chlor, water, fltrd, ug/L (39415)	Metri- buzin, water, fltrd, ug/L (82630)	Moli- nate, water, fltrd 0.7u GF ug/L (82671)	Naprop- amide, water, fltrd 0.7u GF ug/L (82684)	p,p'- DDE, water, fltrd, ug/L (34653)
OCT 16...	--	--	--	--	--	--	--	--	--	--	--	--	--
NOV 20...	<.004	<.009	<.005	<.003	<.004	<.035	<.027	<.015	E.002	<.006	<.003	<.007	<.003
DEC 15...	<.004	<.009	<.005	<.003	<.004	<.035	<.027	<.015	E.006	.010	<.003	E.006	<.003
JAN 12...	<.004	<.009	<.005	<.003	<.004	<.035	<.027	<.015	E.007	.016	<.003	<.007	<.003
FEB 02...	<.004	<.009	<.005	<.003	<.004	<.035	<.027	<.015	E.007	.020	<.003	<.007	<.003
MAR 01...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR 05...	.006	<.009	<.005	<.003	<.004	<.035	<.027	<.015	<.013	<.006	<.003	<.007	<.003
MAY 03...	.006	<.009	<.005	<.003	<.004	<.035	<.027	<.015	<.013	<.006	<.003	<.007	<.003
JUN 03...	E.004	<.009	<.005	<.003	<.004	<.035	<.027	<.015	<.013	<.006	<.003	<.007	<.003
JUN 22...	<.005	<.009	<.005	<.003	<.004	<.035	E.009	<.015	E.004	<.006	<.003	<.007	<.003
JUL 26...	<.004	<.009	<.005	<.003	<.004	<.035	<.027	<.015	<.013	<.006	<.003	<.007	<.003
AUG 17...	<.004	<.009	<.005	<.003	<.004	<.035	<.027	<.015	<.013	<.006	<.003	<.007	<.003
SEP 13...	<.004	<.009	<.005	<.003	<.004	<.035	<.027	<.015	E.003	<.006	<.003	<.007	<.003

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Para- thion, water, fltrd, ug/L (39542)	Peb- ulate, water, fltrd 0.7u GF (82669)	Pendi- meth- alin, water, fltrd 0.7u GF (82683)	Phorate water fltrd 0.7u GF (82664)	Prome- ton, water, fltrd, ug/L (04037)	Propy- zamide, water, fltrd 0.7u GF (82676)	Propa- chlor, water, fltrd, ug/L (04024)	Pro- panil, water, fltrd 0.7u GF (82679)	Propar- gite, water, fltrd 0.7u GF (82685)	Sima- zine, water, fltrd, ug/L (04035)	Tebu- thiuron water fltrd 0.7u GF (82670)	Terba- cil, water, fltrd 0.7u GF (82665)	Terbu- fos, water, fltrd 0.7u GF (82675)
OCT 16...	--	--	--	--	--	--	--	--	--	--	--	--	--
NOV 20...	<.010	<.004	<.022	<.011	<.01	<.004	<.025	<.011	<.02	<.005	<.02	<.034	<.02
DEC 15...	<.010	<.004	<.022	<.011	<.01	<.007	<.025	<.011	<.02	.009	<.02	<.034	<.02
JAN 12...	<.010	<.004	<.022	<.011	<.01	<.007	<.025	<.011	<.02	.008	<.02	<.034	<.02
FEB 02...	<.010	<.004	<.022	<.011	<.01	.007	<.025	<.011	<.02	.009	<.02	<.034	<.02
MAR 01...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR 05...	<.010	<.004	<.022	<.011	<.01	<.004	<.025	<.011	<.02	.007	<.02	<.034	<.02
MAY 03...	<.010	<.004	<.022	<.011	<.01	<.004	<.025	<.011	<.02	.007	<.02	<.034	<.02
JUN 03...	<.010	<.004	<.022	<.011	.01	<.004	<.025	<.011	<.02	<.005	<.02	<.034	<.02
JUN 22...	<.010	<.004	<.022	<.011	M	<.004	<.025	<.011	<.02	<.005	<.02	<.034	<.02
JUL 26...	<.010	<.004	<.022	<.011	<.01	<.004	<.025	<.011	<.02	<.005	<.02	<.034	<.02
AUG 17...	<.010	<.004	<.022	<.011	<.01	<.004	<.025	<.011	<.02	<.010	<.02	<.034	<.02
SEP 13...	<.010	<.004	<.022	<.011	<.01	<.004	<.025	<.011	<.02	<.005	<.02	<.034	<.02

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Ter- buthyl- azine, water, fltrd, ug/L (04022)	Thio- bencarb water fltrd 0.7u GF (82681)	Tri- allate, water, fltrd 0.7u GF (82678)	Tri- flur- alin, water, fltrd 0.7u GF (82661)	Uranium natural water, fltrd, ug/L (22703)	Suspnd. sedi- ment, sieve diametr <.063mm (70331)	Sus- pended sedi- ment concen- tration mg/L (80154)	Sus- pended sedi- ment dis- charge, tons/d (80155)
OCT 16...	--	--	--	--	--	89	5	1,590
NOV 20...	--	<.010	<.002	<.009	--	99	18	8,410
DEC 15...	<.01	<.010	<.002	<.009	.36	67	30	24,800
JAN 12...	--	<.010	<.002	<.009	--	84	12	7,420
FEB 02...	--	<.010	<.002	<.009	.28	91	37	--
MAR 01...	--	--	--	--	--	97	7	3,630
APR 05...	--	<.010	<.002	E.004	.69	65	12	5,380
MAY 03...	--	<.010	<.002	E.004	.69	74	18	9,190
JUN 03...	--	<.010	<.002	E.003	.34	60	24	19,600
JUN 22...	--	<.010	<.002	E.005	.39	72	11	6,830
JUL 26...	--	<.010	<.002	<.009	.34	96	7	2,400
AUG 17...	<.01	<.010	<.002	<.009	.48	78	11	4,250
SEP 13...	--	<.010	<.002	<.009	.49	96	27	9,260

COLUMBIA RIVER MAIN STEM
14246900 COLUMBIA RIVER AT BEAVER ARMY TERMINAL, NEAR QUINCY, OR—Continued
(National stream quality accounting network station)

TURBIDITY, WATER, MONOCHROME NEAR INFRA-RED LED LIGHT, 780-900 NM, DETECTION ANGLE 90 +/- 2.5 DEGREES, FNU
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	6	1	3	10	3	7	30	11	17	15	6	11
2	6	2	3	15	5	10	20	10	14	16	7	11
3	5	<1	3	15	4	10	21	9	14	14	7	11
4	6	1	3	9	4	7	30	14	22	12	7	10
5	5	1	3	7	3	6	21	10	17	10	5	8
6	6	1	3	8	3	6	52	9	18	14	5	9
7	6	1	3	9	2	5	61	21	39	14	5	9
8	6	1	3	7	3	5	39	12	25	16	4	11
9	5	1	3	10	3	5	28	12	18	17	5	11
10	8	1	3	9	3	5	26	7	16	18	7	11
11	7	1	4	7	3	5	31	8	14	20	6	11
12	7	2	4	15	3	5	20	7	14	15	7	12
13	6	2	4	11	3	6	20	9	15	15	7	12
14	5	2	4	7	3	5	35	10	18	12	6	10
15	10	1	4	9	3	5	35	17	22	14	5	9
16	6	2	4	7	3	5	41	15	22	17	6	11
17	6	2	4	7	3	5	38	16	25	15	7	12
18	6	3	4	10	3	6	31	17	23	15	5	9
19	5	2	4	18	4	9	24	12	17	14	5	10
20	7	3	4	30	11	19	21	9	16	11	4	8
21	6	3	5	26	6	13	22	8	17	12	3	7
22	12	3	5	15	5	10	21	6	15	11	4	6
23	31	6	13	18	5	9	16	7	12	10	3	6
24	14	5	9	15	6	9	16	6	12	13	4	7
25	15	5	8	15	6	10	19	5	10	13	7	11
26	9	3	6	16	7	11	17	5	10	16	8	11
27	13	4	7	16	7	10	12	4	8	14	7	12
28	17	9	14	14	6	9	13	5	9	18	6	11
29	15	6	10	14	5	9	12	6	9	70	12	28
30	11	3	6	40	10	22	17	6	8	145	65	87
31	11	3	8	---	---	---	16	5	9	148	73	92
MAX	31	9	14	40	11	22	61	21	39	148	73	92
MIN	5	<1	3	7	2	5	12	4	8	10	3	6
	FEBRUARY			MARCH			APRIL			MAY		
1	81	54	69	13	4	7	10	3	6	8	2	5
2	68	46	52	12	5	8	10	2	6	8	2	5
3	54	32	40	15	4	7	8	3	6	8	2	5
4	44	21	31	8	3	7	9	3	6	10	3	6
5	35	18	24	12	4	6	10	3	6	8	2	6
6	30	9	18	10	4	7	8	3	6	10	3	6
7	20	8	15	10	3	6	9	3	6	9	3	6
8	23	8	15	8	3	6	9	3	6	9	3	6
9	22	7	12	10	4	6	11	3	6	9	3	6
10	17	6	11	11	4	5	8	3	6	10	3	6
11	20	6	11	9	3	5	8	2	6	9	3	6
12	12	5	9	11	3	5	10	2	6	9	4	6
13	13	4	8	9	3	4	10	2	6	10	4	7
14	11	4	8	6	2	4	11	2	6	10	4	6
15	12	4	7	9	2	4	12	3	6	9	3	6
16	10	4	7	7	3	4	8	2	6	9	3	6
17	12	4	7	7	3	4	8	2	6	8	2	6
18	14	4	8	6	3	4	8	2	6	10	3	6
19	19	5	9	7	2	4	10	2	5	8	3	6
20	18	7	12	7	2	5	8	2	5	9	3	6
21	19	7	12	9	3	5	8	2	6	10	3	6
22	16	7	12	10	3	5	9	3	6	9	3	6
23	17	7	11	10	3	5	12	2	6	9	3	6
24	15	6	9	11	3	5	7	2	5	14	3	6
25	10	5	8	9	2	5	8	3	5	10	4	6
26	10	4	7	10	3	6	7	3	5	12	4	6
27	8	3	6	12	4	6	7	2	5	13	5	7
28	9	4	7	13	4	6	7	2	5	16	6	10
29	11	4	7	11	5	6	8	2	5	25	8	18
30	---	---	---	8	4	6	7	2	5	---	---	---
31	---	---	---	8	4	6	---	---	---	---	---	---
MAX	81	54	69	15	5	8	12	3	6	---	---	---
MIN	8	3	6	6	2	4	7	2	5	---	---	---

COLUMBIA RIVER MAIN STEM
 14246900 COLUMBIA RIVER AT BEAVER ARMY TERMINAL, NEAR QUINCY, OR—Continued
 (National stream quality accounting network station)

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

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
1	---	---	---	19	4	6	14	2	4	10	4	7
2	---	---	---	19	4	6	14	2	5	9	3	7
3	---	---	---	15	4	6	14	2	6	15	3	6
4	14	4	10	16	4	5	16	4	6	9	3	5
5	14	4	10	13	4	6	12	4	6	9	3	4
6	13	5	9	12	4	6	9	4	6	15	3	4
7	14	5	9	14	4	6	14	4	6	14	3	5
8	18	6	10	16	3	6	16	4	6	12	3	4
9	17	7	10	16	3	6	17	4	6	10	3	4
10	19	7	12	16	3	6	12	4	6	7	2	4
11	16	6	10	13	4	6	11	4	6	11	3	5
12	15	6	10	14	3	6	13	4	6	7	2	4
13	19	6	10	15	3	6	8	3	5	37	3	17
14	15	5	9	17	4	6	15	3	6	14	6	10
15	14	5	8	12	3	6	13	3	5	16	5	10
16	17	4	8	18	4	6	9	3	5	13	6	9
17	13	4	8	16	3	6	13	2	5	13	5	8
18	13	2	7	12	3	5	8	3	5	11	4	8
19	14	3	7	9	2	5	10	3	5	15	5	11
20	14	2	6	15	3	5	12	3	5	22	7	12
21	14	2	6	17	3	5	8	3	5	14	4	8
22	13	3	6	13	3	6	8	3	5	12	4	6
23	9	2	5	13	3	5	12	4	6	9	4	7
24	12	2	5	13	3	5	17	4	8	9	4	7
25	14	3	5	14	3	5	12	4	6	11	4	7
26	15	3	5	---	---	---	21	4	12	10	4	7
27	12	3	5	8	3	5	42	10	19	12	4	7
28	11	2	5	8	2	5	25	8	14	17	4	6
29	14	2	6	8	2	5	17	6	11	9	4	7
30	14	4	6	9	2	5	16	6	9	9	4	6
31	---	---	---	13	2	5	14	4	8	---	---	---
MAX	---	---	---	---	---	---	42	10	19	37	7	17
MIN	---	---	---	---	---	---	8	2	4	7	2	4

PACIFIC SLOPE BASINS IN OREGON
NEHALEM RIVER BASIN
14299800 NEHALEM RIVER NEAR VERNONIA, OR

LOCATION.--Lat 45°48'26", long 123°16'55", in NE ¼ NE ¼ sec.27, T.4 N., R.5 W., Columbia County, Hydrologic Unit 17100202, on left bank, 6.75 mi southwest of Vernonia and at mile 100.7.

DRAINAGE AREA.--69.8mi².

PERIOD OF RECORD.--July 2001 to current year.

GAGE.--Water-stage recorder. Datum of gage is 640 ft above NGVD of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records good except for flows below 100 ft³/s, which are fair. No regulation or diversion upstream from station.

AVERAGE DISCHARGE.--3 years (water years 2002-04), 227 ft³/s, 44.28 in/yr, 164,800 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,560 ft³/s Jan. 7, 2002, gage height, 11.57; minimum discharge, 1.6 ft³/s Aug. 14, 2004.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,420 ft³/s Jan. 30, gage height, 8.79 ft; minimum discharge, 1.6 ft³/s Aug. 14.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.4	18	143	283	1,050	499	190	113	42	19	5.0	4.7
2	3.5	17	132	252	1,010	424	171	103	39	19	4.2	5.7
3	3.4	17	180	224	853	379	157	96	36	20	4.2	11
4	3.4	16	175	197	692	358	144	91	34	19	6.2	7.8
5	3.8	15	256	173	558	332	133	86	33	18	8.8	7.0
6	4.3	15	528	168	504	313	125	82	54	17	9.9	6.0
7	7.8	16	451	172	482	288	117	86	62	17	16	4.7
8	9.6	15	372	289	429	266	110	78	52	17	11	3.4
9	11	15	312	443	386	244	102	72	45	17	7.1	3.3
10	16	16	277	501	348	222	96	69	44	17	4.7	3.9
11	14	25	241	480	312	204	91	67	43	16	3.6	6.5
12	27	29	251	438	280	188	86	63	40	15	3.2	12
13	24	23	433	413	254	173	83	60	42	13	2.5	12
14	14	21	685	456	247	160	122	56	39	13	2.5	22
15	11	21	573	556	239	149	122	54	36	12	2.6	22
16	19	49	494	577	328	138	126	53	33	12	3.4	27
17	30	155	447	546	421	129	135	51	31	12	3.9	23
18	20	115	378	549	472	128	133	51	29	12	3.6	34
19	17	167	325	571	466	125	141	47	27	11	4.0	64
20	44	179	290	567	422	113	255	46	26	11	3.8	36
21	83	140	252	502	374	105	368	44	25	11	4.0	25
22	41	103	221	433	327	100	341	44	24	9.4	12	20
23	31	83	201	421	288	95	292	43	26	8.5	17	18
24	24	109	276	461	311	106	249	47	26	7.0	20	16
25	20	211	517	518	349	142	216	40	26	5.8	32	14
26	17	295	469	499	446	229	189	38	24	5.5	32	13
27	15	241	431	466	599	366	167	47	23	5.6	23	12
28	14	193	454	579	609	313	150	65	22	5.2	14	10
29	18	185	419	1,560	532	269	136	57	21	4.7	10	9.2
30	27	156	354	2,160	---	235	124	49	20	4.3	8.2	8.8
31	21	---	314	1,490	---	209	---	46	---	4.7	6.4	---
TOTAL	597.2	2,660	10,851	16,944	13,588	7,001	4,871	1,944	1,024	378.7	288.8	462.0
MEAN	19.3	88.7	350	547	469	226	162	62.7	34.1	12.2	9.32	15.4
MAX	83	295	685	2,160	1,050	499	368	113	62	20	32	64
MIN	3.4	15	132	168	239	95	83	38	20	4.3	2.5	3.3
AC-FT	1,180	5,280	21,520	33,610	26,950	13,890	9,660	3,860	2,030	751	573	916
CFSM	0.28	1.27	5.02	7.83	6.71	3.24	2.33	0.90	0.49	0.18	0.13	0.22
IN.	0.32	1.42	5.78	9.03	7.24	3.73	2.60	1.04	0.55	0.20	0.15	0.25

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2004, BY WATER YEAR (WY)

MEAN	12.0	178	588	706	477	448	195	74.2	29.5	12.2	6.88	8.04
MAX	19.3	412	1,047	883	522	669	241	99.4	34.1	13.1	9.32	15.4
(WY)	(2004)	(2002)	(2002)	(2002)	(2002)	(2003)	(2003)	(2003)	(2004)	(2002)	(2004)	(2004)
MIN	5.43	32.5	350	547	442	226	162	60.6	25.4	11.1	5.65	4.32
(WY)	(2003)	(2003)	(2004)	(2004)	(2003)	(2004)	(2004)	(2002)	(2002)	(2003)	(2003)	(2003)

PACIFIC SLOPE BASINS IN OREGON
 NEHALEM RIVER BASIN
 14299800 NEHALEM RIVER NEAR VERNONIA, OR—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2002 - 2004	
ANNUAL TOTAL	80,387.4		60,609.7		227	
ANNUAL MEAN	220		166		301	
HIGHEST ANNUAL MEAN					166	
LOWEST ANNUAL MEAN					3,830	
HIGHEST DAILY MEAN	2,750	Jan 31	2,160	Jan 30	3,830	
LOWEST DAILY MEAN	2.8	Sep 6	2.5	Aug 13	3,830	
ANNUAL SEVEN-DAY MINIMUM	3.1	Sep 25	3.1	Aug 11	3,830	
ANNUAL RUNOFF (AC-FT)	159,400		120,200		164,800	
ANNUAL RUNOFF (CFSM)	3.16		2.37		3.26	
ANNUAL RUNOFF (INCHES)	42.85		32.31		44.28	
10 PERCENT EXCEEDS	580		458		593	
50 PERCENT EXCEEDS	83		58		52	
90 PERCENT EXCEEDS	4.6		6.3		4.8	



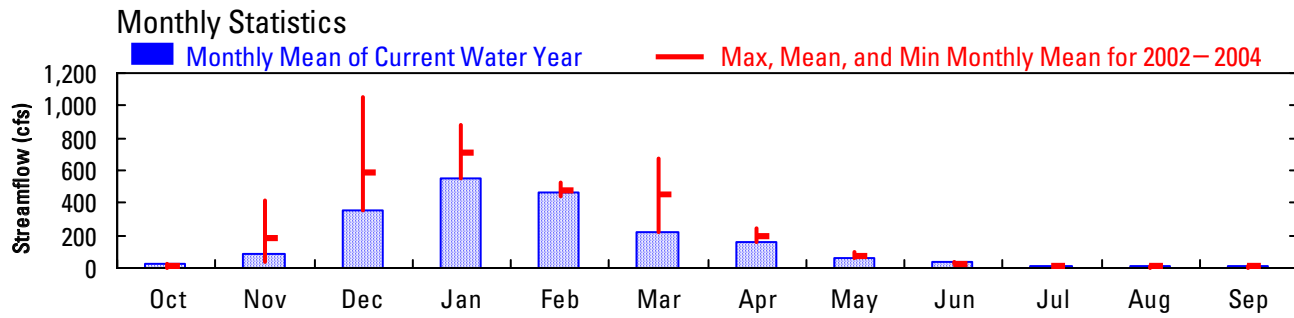
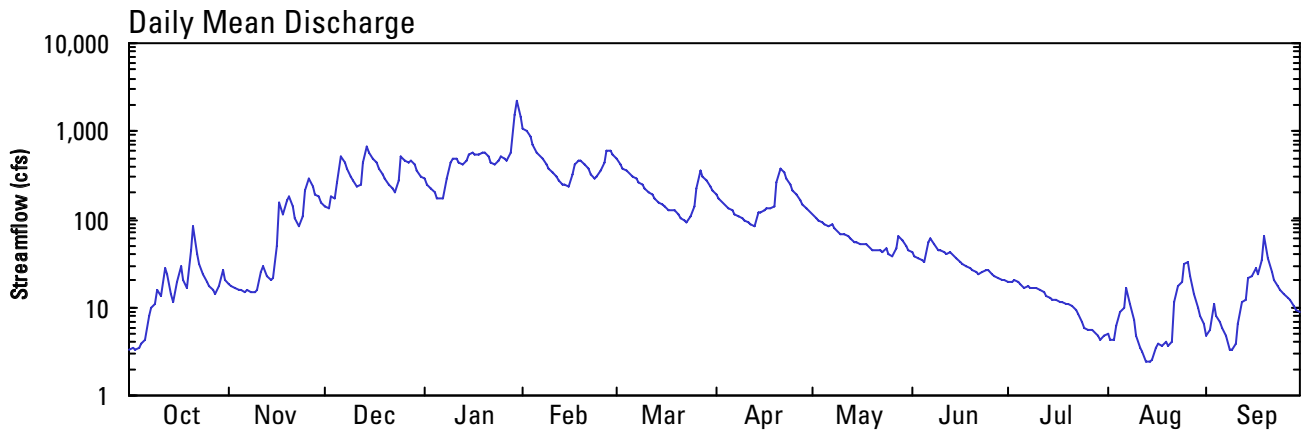
2004 Water Year
NEHALEM RIVER BASIN

14299800 NEHALEM RIVER NEAR VERNONIA, OR

Latitude: 45° 48 ' 26"
Columbia County

Longitude: 123° 16 ' 55"
Datum: 640 feet

Hydrologic Unit Code: 17100202
Drainage Area: 69.8 square miles



14301000 NEHALEM RIVER NEAR FOSS, OR

LOCATION.--Lat 45°42'15", long 123°45'15", in NW ¼ sec.35, T.3 N., R.9 W., Tillamook County, Hydrologic Unit 17100202, on right bank 0.2 mi upstream from Cook Creek, 2.2 mi northeast of Foss, and at mile 13.5.

DRAINAGE AREA.--667 mi².

PERIOD OF RECORD.--October 1939 to current year.

GAGE.--Water-stage recorder. Datum of gage is 32.60 ft above NGVD of 1929 (State Highway Department bench mark). Prior to Nov. 11, 1939, nonrecording gage.

REMARKS.--Records good. No regulation. Several small diversions for irrigation and domestic use upstream from station.

AVERAGE DISCHARGE.--65 years (water years 1940-2004), 2,662 ft³/s, 54.23 in/yr, 1,929,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 70,300 ft³/s Feb. 8, 1996, gage height, 29.56 ft, based on slope-area measurement of peak flow; minimum discharge, 34 ft³/s Aug. 29-31, 1967.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 19,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan 30	0730	*20,400	*13.80	No other peak greater than base discharge.			

Minimum discharge, 67 ft³/s, Oct. 2, 5, 6.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	70	464	3,230	3,890	11,600	3,930	2,160	1,090	1,040	347	154	314
2	69	416	2,770	3,550	9,260	3,630	1,890	995	883	336	151	315
3	70	371	2,990	3,250	7,890	3,280	1,720	918	766	332	149	330
4	70	335	2,760	2,970	6,650	3,470	1,570	880	678	324	160	301
5	69	312	3,490	2,640	5,490	3,810	1,430	856	636	313	167	284
6	79	282	6,210	2,560	e5,000	4,170	1,320	798	1,020	304	183	272
7	129	261	5,890	3,740	e4,900	3,930	1,230	770	1,470	300	219	252
8	175	244	4,880	6,160	e4,400	3,550	1,150	769	1,520	293	215	238
9	300	235	4,010	6,370	e3,900	3,150	1,070	739	1,270	287	192	230
10	365	256	3,460	6,630	3,490	2,780	992	689	1,160	281	176	225
11	310	687	3,080	6,400	3,110	2,470	926	681	1,100	274	166	425
12	618	727	3,280	5,880	2,770	2,210	871	651	1,020	265	151	405
13	830	624	5,160	5,450	2,500	1,990	836	608	1,090	254	142	428
14	626	544	7,910	5,420	2,440	1,800	1,090	568	1,070	245	135	713
15	530	539	8,090	5,980	2,430	1,640	1,280	539	958	236	130	1,030
16	698	1,230	6,940	6,120	2,610	1,500	1,260	522	850	225	127	1,230
17	1,410	3,130	6,070	5,630	3,080	1,390	1,200	508	761	219	123	1,220
18	1,030	4,330	5,030	5,220	3,620	1,370	1,240	515	684	213	121	1,460
19	859	6,520	4,220	5,040	4,050	1,390	1,290	501	622	209	118	2,030
20	1,600	5,130	3,750	4,750	3,810	1,290	1,980	476	572	210	115	1,710
21	3,170	4,050	3,340	4,310	3,430	1,180	3,520	460	531	207	126	1,320
22	1,950	2,970	2,910	3,810	3,050	1,100	3,670	467	503	198	249	1,030
23	1,530	2,270	2,590	3,870	2,710	1,040	3,100	476	488	191	294	849
24	1,110	2,370	2,980	4,200	2,590	1,230	2,590	454	472	185	340	723
25	830	3,520	4,890	4,700	2,710	1,650	2,200	433	461	174	901	632
26	634	4,580	5,730	5,180	2,890	2,560	1,900	465	438	169	1,500	569
27	493	4,410	5,290	4,940	3,850	4,120	1,660	599	418	165	1,000	515
28	414	3,770	5,900	6,530	4,230	3,880	1,470	1,140	395	160	671	472
29	518	4,570	6,040	16,900	4,080	3,260	1,320	1,250	376	156	502	437
30	591	3,980	5,210	19,400	---	2,820	1,200	1,210	362	154	406	409
31	503	---	4,440	15,800	---	2,440	---	1,200	---	155	348	---
TOTAL	21,650	63,127	142,540	187,290	122,540	78,030	49,135	22,227	23,614	7,381	9,431	20,368
MEAN	698	2,104	4,598	6,042	4,226	2,517	1,638	717	787	238	304	679
MAX	3,170	6,520	8,090	19,400	11,600	4,170	3,670	1,250	1,520	347	1,500	2,030
MIN	69	235	2,590	2,560	2,430	1,040	836	433	362	154	115	225
AC-FT	42,940	125,200	282,700	371,500	243,100	154,800	97,460	44,090	46,840	14,640	18,710	40,400
CFSM	1.05	3.15	6.89	9.06	6.34	3.77	2.46	1.07	1.18	0.36	0.46	1.02
IN.	1.21	3.52	7.95	10.45	6.83	4.35	2.74	1.24	1.32	0.41	0.53	1.14

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2004, BY WATER YEAR (WY)

	796	3,712	6,185	6,180	5,760	4,265	2,687	1,271	621	272	149	215
MEAN	796	3,712	6,185	6,180	5,760	4,265	2,687	1,271	621	272	149	215
MAX	3,698	9,256	11,390	12,450	13,000	8,696	6,389	3,028	1,591	747	314	911
(WY)	(1998)	(1974)	(1956)	(1971)	(1999)	(1956)	(1996)	(1948)	(1968)	(1983)	(1968)	(1997)
MIN	69.9	154	599	596	1,066	1,171	1,149	520	250	137	62.5	63.6
(WY)	(1953)	(1994)	(1977)	(1977)	(1977)	(1992)	(1941)	(1989)	(1992)	(1967)	(1967)	(1967)

NEHALEM RIVER BASIN

14301000 NEHALEM RIVER NEAR FOSS, OR—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1940 - 2004	
ANNUAL TOTAL	881,899		747,333			
ANNUAL MEAN	2,416		2,042		2,662	
HIGHEST ANNUAL MEAN					4,292	1999
LOWEST ANNUAL MEAN					1,044	2001
HIGHEST DAILY MEAN	23,200	Feb 1	19,400	Jan 30	61,600	Feb 8, 1996
LOWEST DAILY MEAN	44	Sep 6	69	Oct 2	36	Aug 29, 1967
ANNUAL SEVEN-DAY MINIMUM	49	Aug 31	79	Oct 1	38	Aug 26, 1967
ANNUAL RUNOFF (AC-FT)	1,749,000		1,482,000		1,929,000	
ANNUAL RUNOFF (CFSM)	3.62		3.06		3.99	
ANNUAL RUNOFF (INCHES)	49.19		41.68		54.23	
10 PERCENT EXCEEDS	6,190		5,030		7,170	
50 PERCENT EXCEEDS	1,150		1,090		1,130	
90 PERCENT EXCEEDS	89		196		124	

e Estimated



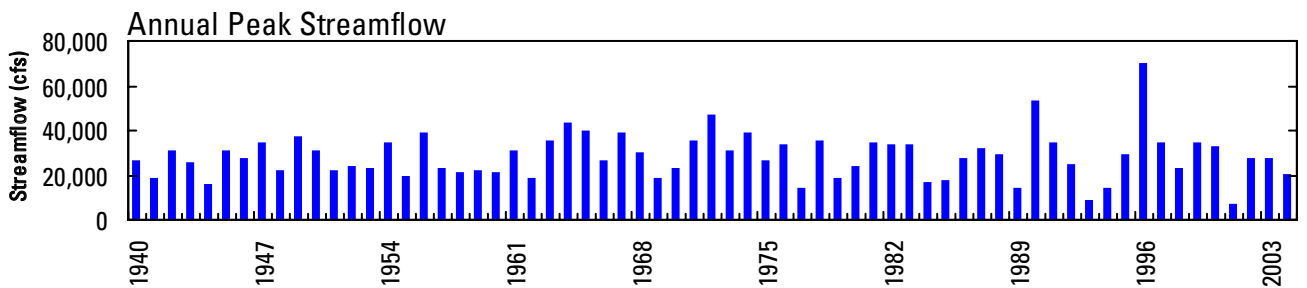
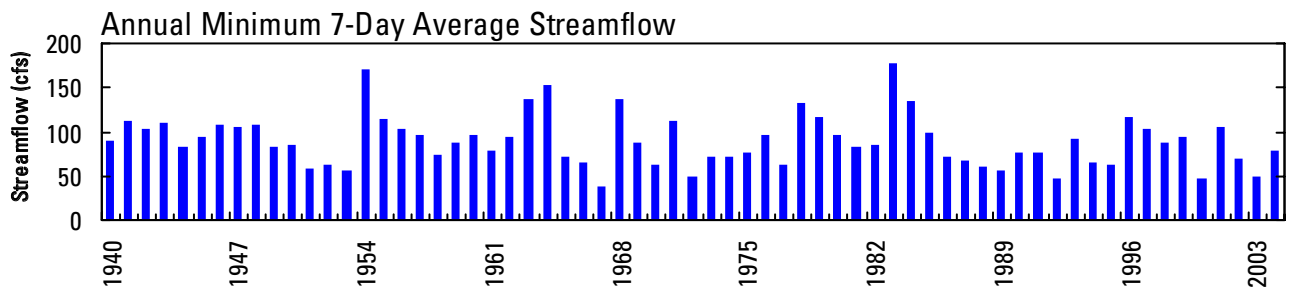
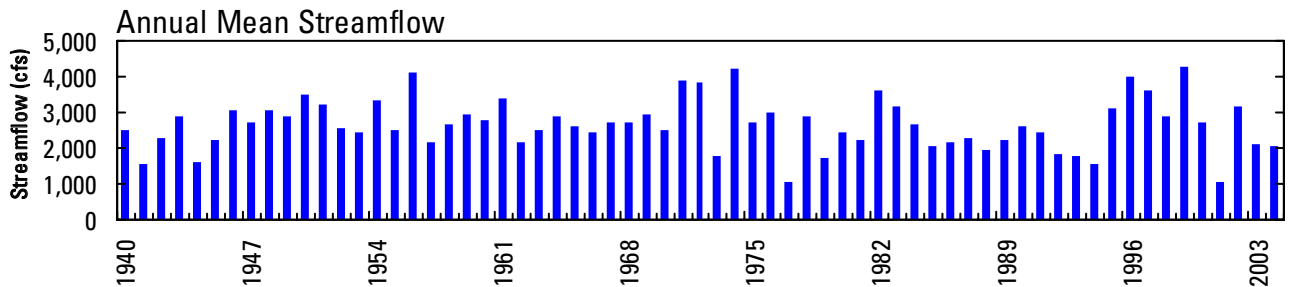
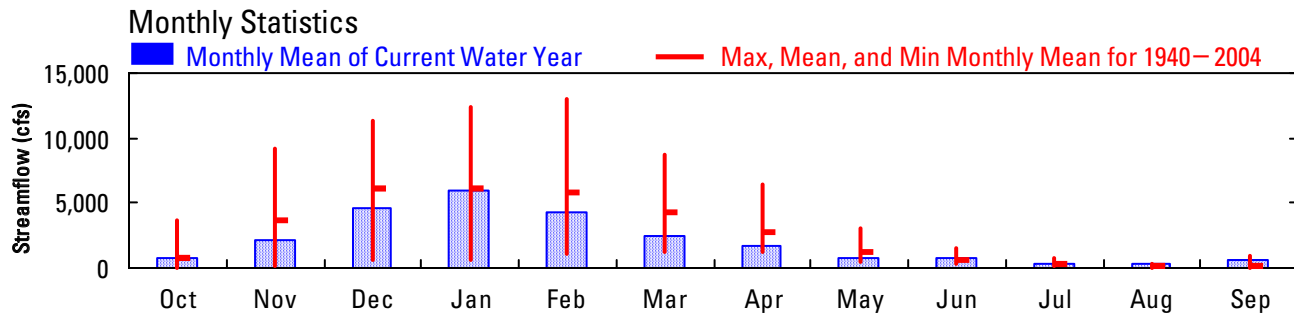
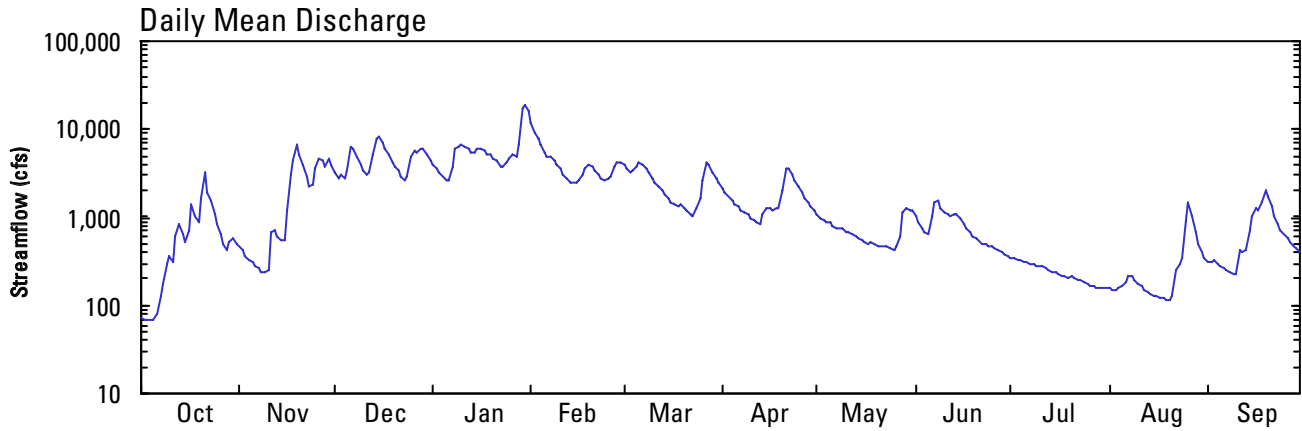
2004 Water Year
NEHALEM RIVER BASIN

14301000 NEHALEM RIVER NEAR FOSS, OR

Latitude: 45° 42' 15"
Tillamook County

Longitude: 123° 45' 15"
Datum: 32.60 feet

Hydrologic Unit Code: 17100202
Drainage Area: 667 square miles



14301500 WILSON RIVER NEAR TILLAMOOK, OR

LOCATION.--(Revised) Lat 45°28'34", long 123°43'26", in SE ¼ SE ¼ sec.13, T.1 S., R.9 W., Tillamook County, Hydrologic Unit 17100203, on right bank 1.3 mi downstream from Ming Creek, 6.0 mi east of Tillamook, and at mile 9.3.

DRAINAGE AREA.--161 mi².

PERIOD OF RECORD.--October 1914 to September 1915, August to November 1916, July 1931 to current year. Prior to January 1915 monthly discharge only, published in WSP 1318.

REVISED RECORDS.--WSP 1398: 1953. WSP 1738: Drainage area.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 71.89 ft above NGVD of 1929. Dec. 18, 1914 to Nov. 4, 1916 nonrecording gage at site 0.65 mi downstream, at different datum. July 30, 1931 to Sept. 30, 1938 nonrecording gage at site 0.08 mi upstream, at datum 0.93 ft higher. Oct. 1, 1938 to Oct. 17, 1968 water-stage recorder 0.1 mi upstream at same datum. Oct. 18, 1968 to Sept. 6, 1973 at site 2.19 mi upstream, at datum 29.76 ft higher. Sept. 7, 1973 to Sept. 30, 2003 at site 2.2 mi upstream, at datum 29.76 ft higher.

REMARKS.--No estimated daily discharges. Records good. No regulation. Small diversions for domestic use upstream from station.

AVERAGE DISCHARGE.--74 years (water years 1932-2004), 1,179 ft³/s, 99.50 in/yr, 854,100 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 36,000 ft³/s Jan. 20, 1972, gage height, 16.91 ft, site and datum then in use; maximum gage height, 19.59 ft Dec. 27, 1998, from floodmark, datum and site then in use; minimum discharge, 32 ft³/s Sept. 5, 1973, but may have been less for short period following a landslide Jan. 31, 1965.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in February 1916 reached a stage of 20.8 ft, from floodmark, site and datum then in use.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 12,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan 29	1045	*12,600	*11.52	No other peak greater than base discharge.			

Minimum discharge, 50 ft³/s, Oct. 1.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	50	264	2,070	1,260	3,980	1,560	843	468	864	231	105	223
2	52	253	1,700	1,180	3,370	1,340	756	435	710	225	104	223
3	52	234	1,890	1,090	2,820	1,240	691	411	599	222	102	211
4	51	218	1,640	964	2,390	1,340	628	406	519	211	104	190
5	53	206	1,920	856	2,010	1,610	576	387	496	205	104	179
6	60	194	3,320	881	2,010	1,800	535	362	915	197	127	169
7	94	189	2,840	1,320	2,280	1,590	502	361	1,240	194	161	160
8	103	181	2,330	2,610	2,020	1,380	481	354	1,080	189	126	153
9	183	177	1,950	3,080	1,720	1,210	448	335	921	185	111	153
10	226	220	1,720	3,190	1,480	1,060	419	322	819	179	101	153
11	192	448	1,540	2,830	1,290	949	390	330	735	177	97	346
12	587	380	2,080	2,400	1,140	854	368	306	660	174	95	254
13	520	321	3,750	2,230	1,020	772	360	289	752	165	92	352
14	276	290	4,490	2,420	985	707	574	274	701	161	91	550
15	215	322	3,420	2,910	938	651	678	265	630	156	90	817
16	491	1,040	2,850	2,580	1,150	601	634	262	574	154	88	805
17	749	2,710	2,770	2,100	1,380	567	580	264	523	151	86	828
18	506	3,460	2,260	1,950	1,500	586	539	297	469	149	86	1,440
19	477	4,550	1,880	1,860	1,650	574	564	274	423	142	85	2,230
20	907	3,040	1,740	1,710	1,470	524	1,110	254	400	143	83	1,420
21	2,250	2,090	1,620	1,490	1,270	492	2,040	241	371	140	86	999
22	1,140	1,510	1,400	1,300	1,100	466	1,760	268	348	138	134	774
23	809	1,210	1,240	1,780	968	442	1,330	275	336	137	151	639
24	597	1,300	1,320	1,980	1,030	539	1,060	273	323	126	321	544
25	468	2,110	1,710	1,950	1,110	714	899	249	306	121	1,320	473
26	383	2,540	1,580	1,940	1,190	1,250	778	333	288	118	1,280	424
27	325	2,080	1,620	1,900	1,960	2,520	680	487	277	117	753	385
28	305	1,860	1,960	3,760	2,050	1,900	610	1,030	264	113	474	348
29	337	3,460	1,860	11,600	1,700	1,430	558	1,020	251	109	357	322
30	344	2,760	1,590	9,960	---	1,170	512	1,050	242	108	294	299
31	292	---	1,430	5,820	---	970	---	1,060	---	106	249	---
TOTAL	13,094	39,617	65,490	82,901	48,981	32,808	21,903	12,942	17,036	4,943	7,457	16,063
MEAN	422	1,321	2,113	2,674	1,689	1,058	730	417	568	159	241	535
MAX	2,250	4,550	4,490	11,600	3,980	2,520	2,040	1,060	1,240	231	1,320	2,230
MIN	50	177	1,240	856	938	442	360	241	242	106	83	153
AC-FT	25,970	78,580	129,900	164,400	97,150	65,070	43,440	25,670	33,790	9,800	14,790	31,860
CFSM	2.62	8.20	13.1	16.6	10.5	6.57	4.53	2.59	3.53	0.99	1.49	3.33
IN.	3.03	9.15	15.13	19.15	11.32	7.58	5.06	2.99	3.94	1.14	1.72	3.71

14301500 WILSON RIVER NEAR TILLAMOOK, OR—Continued

DISCHARGE, CUBIC FEET PER SECOND—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1932 - 2004, BY WATER YEAR (WY)												
MEAN	554	1,875	2,693	2,515	2,224	1,781	1,172	617	341	166	106	158
MAX	2,249	4,266	7,988	5,776	5,166	3,637	2,622	1,391	876	514	241	780
(WY)	(1998)	(1996)	(1934)	(1953)	(1999)	(1956)	(1991)	(1933)	(1933)	(1983)	(2004)	(1959)
MIN	43.5	87.2	378	344	634	406	426	202	131	76.5	44.3	40.1
(WY)	(1988)	(1937)	(1977)	(1977)	(1993)	(1992)	(1939)	(1939)	(1992)	(1992)	(1967)	(1967)
SUMMARY STATISTICS												
	FOR 2003 CALENDAR YEAR				FOR 2004 WATER YEAR				WATER YEARS 1932 - 2004			
ANNUAL TOTAL	432,122				363,235							
ANNUAL MEAN	1,184				992				1,179			
HIGHEST ANNUAL MEAN									1,811			
LOWEST ANNUAL MEAN									495			
HIGHEST DAILY MEAN	13,900				Jan 31				11,600			
LOWEST DAILY MEAN	49				Sep 29				50			
ANNUAL SEVEN-DAY MINIMUM	50				Sep 28				59			
ANNUAL RUNOFF (AC-FT)	857,100				720,500				854,100			
ANNUAL RUNOFF (CFSM)	7.35				6.16				7.32			
ANNUAL RUNOFF (INCHES)	99.84				83.93				99.50			
10 PERCENT EXCEEDS	3,030				2,230				2,920			
50 PERCENT EXCEEDS	583				575				567			
90 PERCENT EXCEEDS	74				132				86			



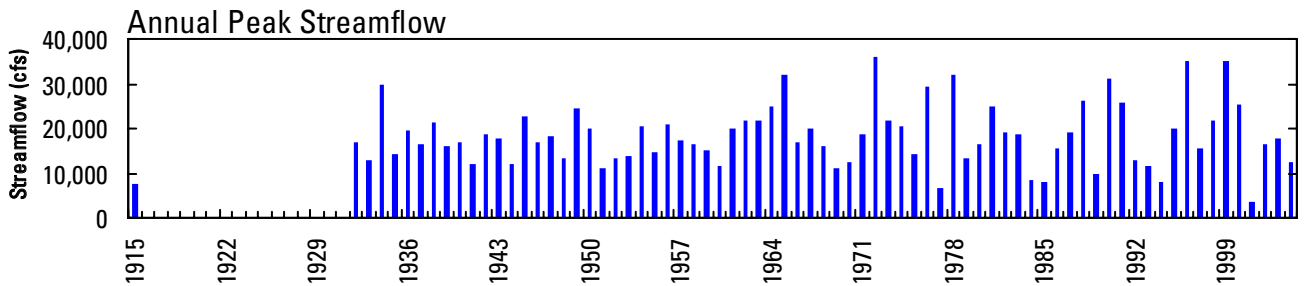
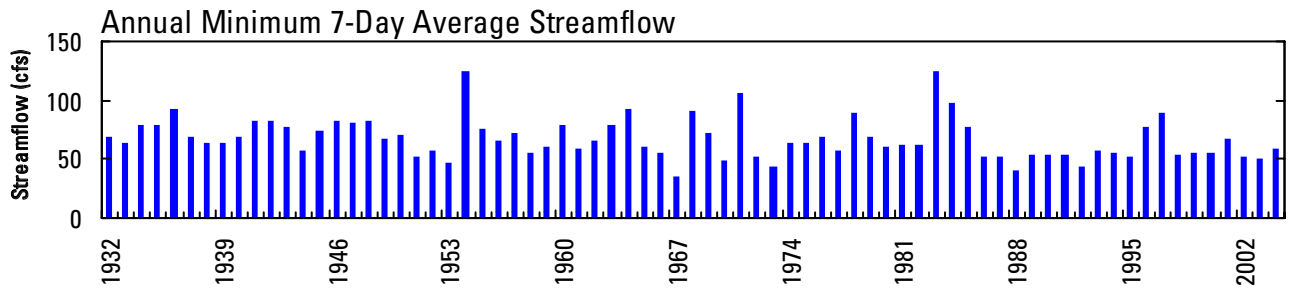
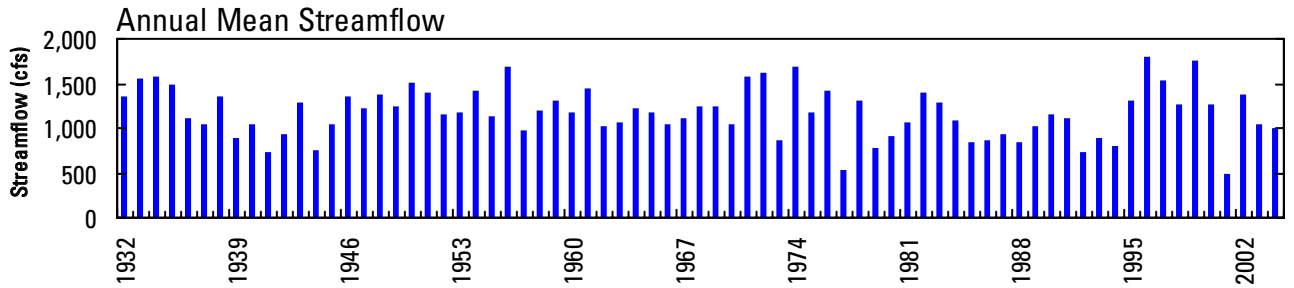
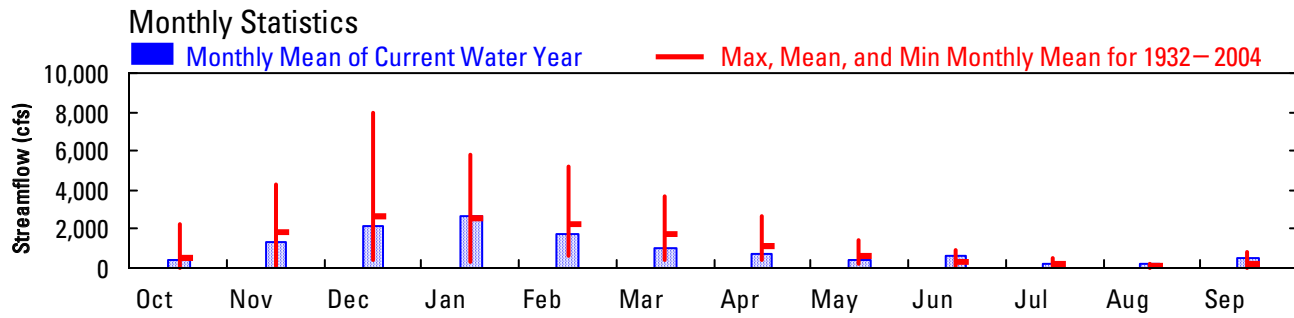
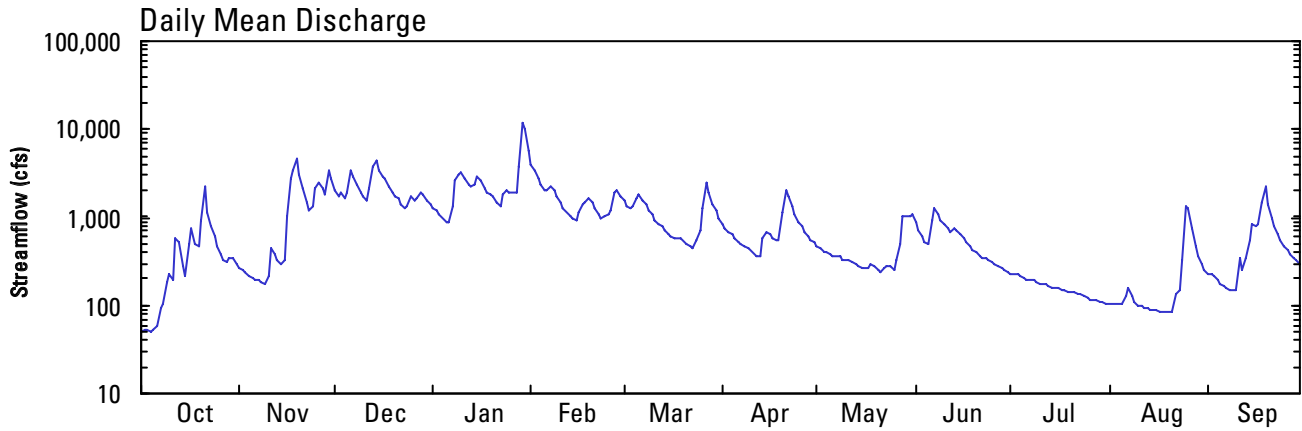
2004 Water Year
WILSON RIVER BASIN

14301500 WILSON RIVER NEAR TILLAMOOK, OR

Latitude: 45° 28 ' 34"
Tillamook County

Longitude: 123° 43 ' 26"
Datum: 71.89 feet

Hydrologic Unit Code: 17100203
Drainage Area: 161 square miles



14302480 TRASK RIVER ABOVE CEDAR CREEK, NEAR TILLAMOOK, OR

LOCATION.--Lat 45°26'47", long 123°42'33", in NW ¼ SE ¼ sec.30, T.1 S., R.8 W., Tillamook County, Hydrologic Unit 17100203, on right bank 0.1 mi upstream from Cedar Creek, 6.8 mi east of Tillamook, and at mile 10.95.

DRAINAGE AREA.--156 mi², at Long Prairie Road bridge, 4.0 mi downstream, where all discharge measurements are made.

PERIOD OF RECORD.--April 1996 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 70 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. No regulation. Water diverted from the J.W. Barney Reservoir (capacity 20,000 acre-ft) on the Middle Fork of the North Fork of the Trask River to the Tualatin River by the City of Hillsboro and Oregon Department of Fish and Wildlife.

AVERAGE DISCHARGE.--8 years (water years 1997-2004), 1,028 ft³/s, 89.51 in/yr, 744,500 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 22,500 ft³/s Nov. 25, 1999, gage height, 21.77 ft; minimum discharge, 56 ft³/s Sept. 24, 26, 27, Oct. 31 to Nov. 1, 2002.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Feb. 8, 1996 reached a stage of 23.2 ft, from floodmark; discharge, 25,800 ft³/s, from slope-area measurement.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 9,300 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan 29	0800	*11,000	*15.97	No other peak greater than base discharge.			

Minimum discharge, 61 ft³/s Oct. 1-6.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	61	174	1,340	1,170	3,560	1,440	e780	e460	e800	e240	e120	e240
2	62	172	1,160	1,100	2,930	1,220	e710	e430	e670	e240	e120	e240
3	62	159	1,290	1,020	2,400	1,150	e650	e410	e580	e230	e120	e220
4	61	145	1,140	924	2,060	1,440	e600	e400	e500	e220	e120	e200
5	62	136	1,410	831	1,750	1,590	e560	e390	e480	e220	e120	e190
6	68	129	2,450	858	1,700	1,640	e520	e360	e840	e210	e140	e180
7	109	126	2,200	1,120	1,780	1,460	e490	e360	e1,100	e210	e170	e170
8	102	118	1,800	1,660	1,610	1,250	e470	e360	e980	e200	e140	e170
9	192	118	1,530	2,110	1,410	1,100	e440	e340	e850	e200	e120	e170
10	219	160	1,370	2,430	1,240	972	e420	e330	e760	e190	e110	166
11	178	573	1,200	2,240	1,090	878	e390	e340	e690	e190	e110	282
12	331	384	1,420	1,940	967	796	e370	e310	e630	e190	e110	219
13	319	302	2,940	1,760	876	731	e360	e300	e710	e180	e110	302
14	190	262	3,660	1,770	841	676	e550	e280	e660	e170	e100	457
15	155	292	2,770	1,860	791	632	e640	e270	e600	e170	e100	653
16	251	716	2,260	1,700	934	590	e600	e270	e550	e170	e100	643
17	293	1,450	2,010	1,440	955	558	e560	e270	e510	e160	e99	721
18	215	1,510	1,680	1,390	1,110	575	e520	e300	e460	e160	e99	e1,300
19	247	2,090	1,420	1,300	1,390	566	e540	e280	e420	e160	e97	e1,900
20	347	1,790	1,280	1,190	1,250	514	e1,000	e260	e400	e160	e96	e1,300
21	532	1,350	1,150	1,070	1,090	480	e1,700	e250	e370	e150	e99	780
22	385	1,020	1,010	965	960	458	e1,500	e280	e350	e150	e150	628
23	354	836	921	1,450	862	e440	e1,200	e280	e340	e150	e160	531
24	282	974	1,010	1,700	965	e520	e970	e280	e330	e140	e330	465
25	235	1,600	1,240	1,730	1,060	e670	e830	e260	e310	e140	e1,200	417
26	199	2,040	1,170	1,680	1,160	e1,100	e730	e340	e300	e130	e1,200	386
27	176	1,640	1,320	1,590	1,770	e2,100	e640	e480	e290	e130	e710	359
28	185	1,360	1,960	3,370	1,860	e1,600	e580	e940	e270	e130	e460	334
29	247	2,010	1,870	9,680	1,590	e1,300	e540	e930	e260	e120	e360	316
30	245	1,660	1,530	7,930	---	e1,100	e500	e950	e250	e120	e300	302
31	194	---	1,340	5,090	---	e890	---	e960	---	e120	e260	---
TOTAL	6,558	25,296	50,851	66,068	41,961	30,436	20,360	12,670	16,260	5,350	7,530	14,241
MEAN	212	843	1,640	2,131	1,447	982	679	409	542	173	243	475
MAX	532	2,090	3,660	9,680	3,560	2,100	1,700	960	1,100	240	1,200	1,900
MIN	61	118	921	831	791	440	360	250	250	120	96	166
AC-FT	13,010	50,170	100,900	131,000	83,230	60,370	40,380	25,130	32,250	10,610	14,940	28,250
CFSM	1.36	5.41	10.5	13.7	9.28	6.29	4.35	2.62	3.47	1.11	1.56	3.04
IN.	1.56	6.03	12.13	15.75	10.01	7.26	4.86	3.02	3.88	1.28	1.80	3.40

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2004, BY WATER YEAR (WY)

MEAN	411	1,433	2,466	2,195	1,885	1,665	869	602	378	176	119	167
MAX	1,688	2,370	4,157	2,893	4,345	2,658	1,257	857	622	254	243	475
(WY)	(1998)	(2000)	(1997)	(1998)	(1999)	(2003)	(2002)	(1999)	(2000)	(1997)	(2004)	(2004)
MIN	65.5	333	849	570	650	673	538	402	226	106	71.5	67.5
(WY)	(2003)	(2003)	(2001)	(2001)	(2001)	(2001)	(2000)	(2002)	(2002)	(2003)	(2003)	(2002)

TRASK RIVER BASIN

14302480 TRASK RIVER ABOVE CEDAR CREEK, NEAR TILLAMOOK, OR—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1997 - 2004	
ANNUAL TOTAL	340,238		297,581			
ANNUAL MEAN	932		813		1,028	
HIGHEST ANNUAL MEAN					1,449	
LOWEST ANNUAL MEAN					461	
HIGHEST DAILY MEAN	9,760	Jan 31	9,680	Jan 29	17,300	Nov 25, 1999
LOWEST DAILY MEAN	58	Sep 5	61	Oct 1	58	Sep 25, 2002
ANNUAL SEVEN-DAY MINIMUM	60	Aug 31	69	Oct 1	59	Sep 23, 2002
ANNUAL RUNOFF (AC-FT)	674,900		590,300		744,500	
ANNUAL RUNOFF (CFSM)	5.98		5.21		6.59	
ANNUAL RUNOFF (INCHES)	81.13		70.96		89.51	
10 PERCENT EXCEEDS	2,200		1,710		2,530	
50 PERCENT EXCEEDS	540		532		528	
90 PERCENT EXCEEDS	71		134		87	

e Estimated



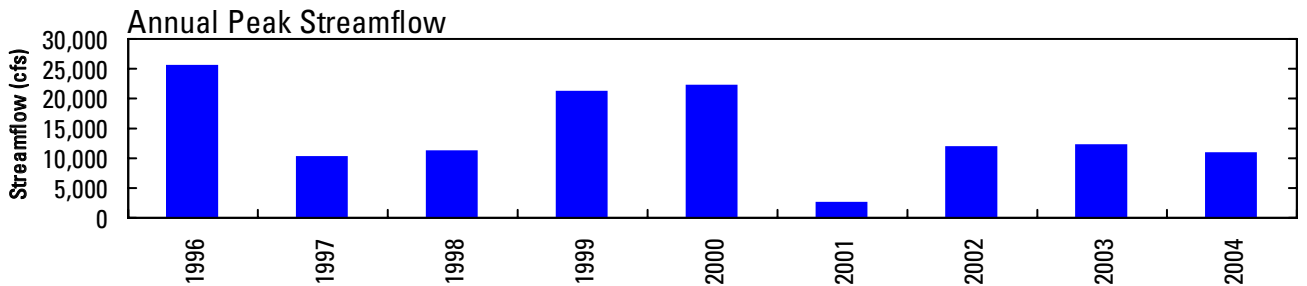
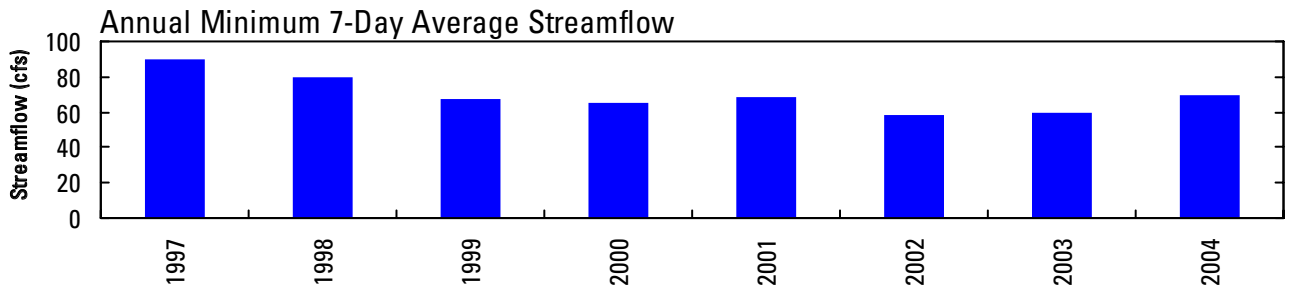
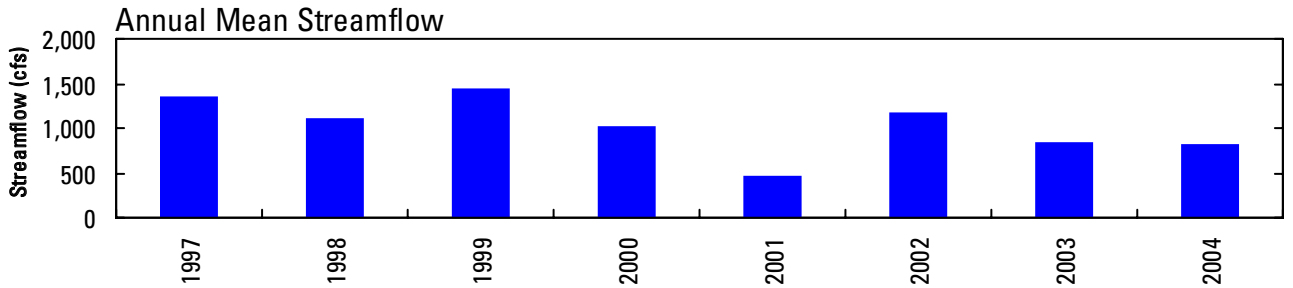
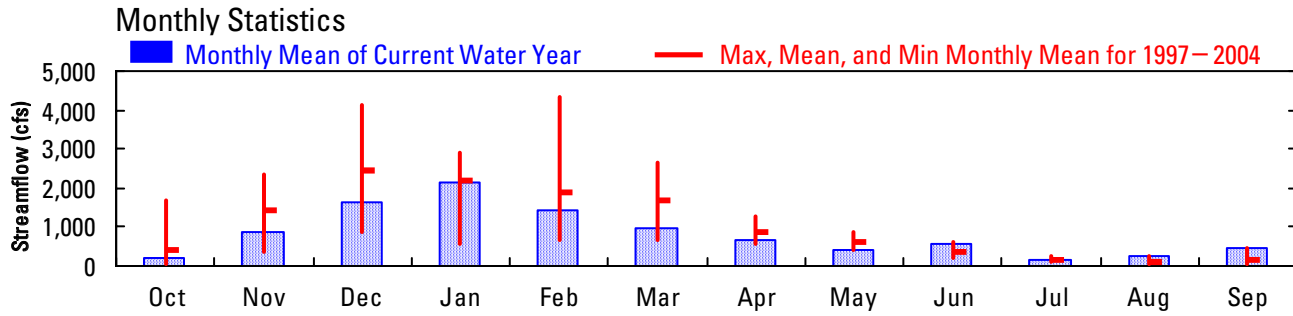
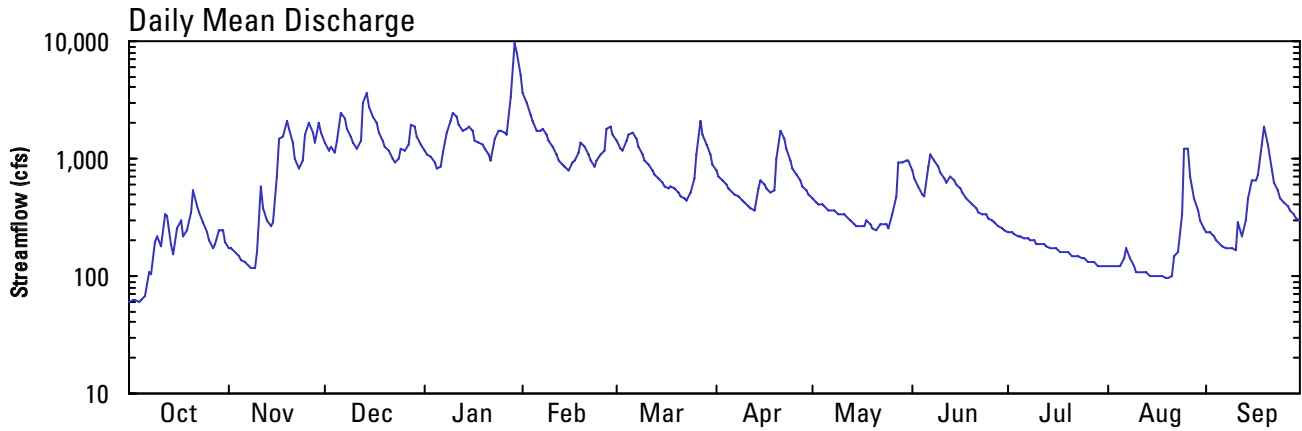
2004 Water Year
TRASK RIVER BASIN

14302480 TRASK RIVER ABOVE CEDAR CREEK, NEAR TILLAMOOK, OR

Latitude: 45° 26 ' 47"
Tillamook County

Longitude: 123° 42 ' 33"
Datum: 70 feet

Hydrologic Unit Code: 17100203
Drainage Area: 156 square miles



14302800 MCGUIRE LAKE NEAR FAIRDALE, OR

LOCATION.--Lat 45°18'30", long 123°24'30", in NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.15, T.3 S., R.6 W., Yamhill County, Hydrologic Unit 17100203, on control tower in reservoir on Nestucca River, 0.3 mi upstream from Walker Creek, and 5.0 mi southwest of Fairdale.

DRAINAGE AREA.--2.85 mi².

PERIOD OF RECORD.--October 1970 to current year.

GAGE.--Nonrecording gage. Datum of gage is NGVD of 1929.

REMARKS.--Reservoir is formed by earthfill dam with ungated spillway. Capacity of reservoir is 3,840 acre-ft between elevations 1,810.0 ft and 1,865.5 ft. Dead storage negligible. Under normal operation, reservoir is filled in the spring (April or May) and drained when fall rains start. There is no planned storage during winter months; however, during periods of heavy runoff, inflow may be greater than capacity of outlet tunnel and there may be temporary storage. Water is used during summer months for municipal supply of city of McMinnville.

COOPERATION.--Elevation and capacity table furnished by city of McMinnville Water and Light Department. Elevations based on once-daily staff gage readings.

EXTREMES FOR PERIOD OF RECORD.--Maximum observed contents, 4,440 acre-ft Apr. 18 2003, elevation, 1,869.3 ft; no contents most of time during winter months.

EXTREMES FOR CURRENT YEAR.--Maximum observed contents, 2,750 acre-ft June 21-26, elevation, 1,857.2 ft; minimum contents observed, 2.0 acre-ft Nov. 22 elevation, 1,810.1 ft.

MONTH END ELEVATION AND CONTENTS AT 2400
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)
Sept.30	1,844.5	1,540	-
Oct. 31	1,819.8	230	-1,310
Nov. 30	1,823.1	330	+100
Dec. 31	1,827.6	490	+160
CAL YR 2003	-	-	+390
Jan. 31	1,829.5	575	+85
Feb. 29	1,834.9	870	+295
Mar. 31	1,847.1	1,750	+880
Apr. 30	1,852.9	2,300	+550
May 31	1,855.7	2,590	+290
June 30	1,856.7	2,700	+110
July 31	1,852.0	2,210	-490
Aug. 31	1,844.9	1,570	-640
Sept.30	1,843.0	1,420	-150
WTR YR 2004	-	-	-120

14302900 NESTUCCA RIVER NEAR FAIRDALE, OR

LOCATION.--Lat 45°18'40", long 123°25'05", in SW 1/4 NW 1/4 sec.15, T.3 S., R.6 W., Yamhill County, Hydrologic Unit 17100203, on right bank 100 ft upstream from former Meadow Lake, 0.4 mi downstream from Walker Creek, 5.3 mi southwest of Fairdale, and at mile 49.3.

DRAINAGE AREA.--6.18 mi².

PERIOD OF RECORD.--June 1960 to current year.

REVISED RECORDS.--WDR OR-97-1: 1994-95 (adjusted discharge), WDR OR-00-1: 1999 (adjusted discharge).

GAGE.--Water-stage recorder. Datum of gage is 1,778.99 ft above NGVD of 1929 (levels by city of McMinnville).

REMARKS.--Records good except for estimated daily discharges, which are poor. Flow regulated since March 1969 by McGuire Lake about 1 mi upstream from gage (station 14302800). During winter months lake is empty except when inflow exceeds capacity of outlet tunnel. Trans-basin diversion upstream from station to Haskins Creek Basin (see station 14196001). About 2,000 acre-ft diverted during the 2004 water year, primarily during summer and fall.

AVERAGE DISCHARGE.--44 years (water years 1961-2004), 31.5 ft³/s, 69.22 in/yr, 22,820 acre-ft/yr, adjusted for storage and diversion.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 876 ft³/s Dec. 22, 1964, gage height, 10.43 ft; minimum discharge, 0.16 ft³/s Sept. 13, 14, 2002.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 369 ft³/s Jan. 30, gage height, 6.01 ft; minimum discharge, 1.1 ft³/s Aug. 19-22.

CORRECTION.--Adjustments for storage and diversion from McGuire Lake were revised for the Annual Data Report for water year 2003 and are listed below:

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN†	0.50	6.65	63.8	72.2	46.8	83.4	38.8	15.6	4.86	1.94	1.45	1.31
CFSM†	0.08	1.08	10.3	11.7	7.57	13.5	6.28	2.52	0.79	0.31	0.23	0.21
IN.†	0.09	1.20	11.90	13.47	7.89	15.57	7.01	2.91	0.88	0.36	0.27	0.24
AC-FT†	31	396	3,920	4,440	2,600	5,130	2,310	960	289	119	89	78

CAL YR	2002	TOTAL	9,169.21	MEAN	25.1	MAX	296	MIN	0.18	AC-FT	18190	MEAN†	28.2	CFSM†	4.56	IN.†	62.00	AC-FT†	20430
WTR YR	2003	TOTAL	8,526.76	MEAN	23.4	MAX	200	MIN	0.24	AC-FT	16910	MEAN†	28.1	CFSM†	4.55	IN.†	61.79	AC-FT†	20360

† Adjusted for storage and diversion from McGuire Lake.

NESTUCCA RIVER BASIN

14302900 NESTUCCA RIVER NEAR FAIRDALE, OR—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP							
1	1.7	3.1	22	36	124	47	17	7.5	9.1	e2.8	1.5	1.4							
2	1.7	2.6	24	32	113	36	15	6.8	7.9	e2.8	1.5	1.7							
3	1.7	2.5	35	29	108	33	14	6.3	7.0	e2.6	1.5	1.7							
4	1.7	2.5	37	25	100	33	13	6.4	6.2	e2.6	1.5	1.6							
5	1.8	2.5	60	24	84	32	12	6.2	6.0	e2.6	1.5	1.6							
6	8.9	2.5	94	23	84	29	11	5.9	12	e2.4	1.9	1.4							
7	24	2.6	95	34	81	27	10	6.7	11	e2.4	2.0	1.4							
8	36	2.7	76	68	75	23	9.8	6.0	10	e2.4	1.7	1.3							
9	41	2.8	59	73	48	21	9.1	5.8	8.7	e2.2	1.5	1.3							
10	45	3.0	53	71	24	18	8.7	5.6	8.4	e2.2	1.4	1.3							
11	45	7.0	48	63	21	17	8.3	5.7	8.4	e2.2	1.4	1.9							
12	46	4.3	66	56	18	15	7.9	5.4	7.3	e2.2	1.3	1.6							
13	44	3.6	99	52	37	14	7.9	5.0	8.2	e2.2	1.3	2.7							
14	41	3.2	108	56	56	13	18	4.8	6.8	e2.0	1.3	2.6							
15	32	5.0	85	69	56	12	16	4.8	6.0	e2.0	1.3	4.7							
16	27	21	70	73	67	11	14	5.1	5.6	e2.0	1.3	3.3							
17	29	26	59	70	51	9.9	13	4.9	5.1	e2.0	1.3	4.4							
18	21	38	49	72	44	11	13	5.8	4.9	e2.0	1.3	7.7							
19	9.9	70	42	75	41	12	16	4.9	4.6	e2.0	1.2	6.0							
20	19	68	40	71	35	9.9	28	4.5	4.3	1.9	1.1	4.4							
21	31	56	38	62	29	9.1	42	4.4	4.1	1.9	1.1	3.2							
22	23	24	33	53	24	8.7	34	4.8	5.0	1.8	1.8	2.8							
23	12	8.0	30	74	20	e10	27	5.1	5.8	1.7	1.9	2.5							
24	8.1	13	50	76	31	e14	22	4.8	5.1	1.7	3.8	2.3							
25	3.2	29	66	69	34	18	18	4.2	3.8	1.6	11	2.2							
26	3.2	38	58	61	41	36	16	4.8	3.5	1.6	4.2	2.2							
27	3.1	26	56	62	69	46	13	7.2	3.4	1.6	2.8	2.2							
28	3.2	23	64	129	59	35	11	14	3.2	1.6	2.3	1.9							
29	4.2	33	57	300	50	28	9.8	11	3.2	1.6	1.9	1.9							
30	3.9	25	48	298	---	23	8.2	11	e3.0	1.5	1.7	1.9							
31	3.4	---	41	185	---	19	---	10	---	1.5	1.6	---							
TOTAL	575.7	547.9	1,762	2,441	1,624	670.6	462.7	195.4	187.6	63.6	62.9	77.1							
MEAN	18.6	18.3	56.8	78.7	56.0	21.6	15.4	6.30	6.25	2.05	2.03	2.57							
MAX	46	70	108	300	124	47	42	14	12	2.8	11	7.7							
MIN	1.7	2.5	22	23	18	8.7	7.9	4.2	3.0	1.5	1.1	1.3							
AC-FT	1,140	1,090	3,490	4,840	3,220	1,330	918	388	372	126	125	153							
MEAN†	3.90	21.5	59.4	80.2	61.2	35.9	24.7	11.0	9.19	2.81	2.93	3.50							
CFSM†	0.63	3.48	9.61	13.0	9.90	5.81	4.00	1.78	1.49	0.45	0.47	0.57							
IN.†	0.73	3.88	11.08	14.96	10.68	6.71	4.46	2.06	1.66	0.53	0.55	0.63							
AC-FT†	240	1,280	3,650	4,930	3,520	2,210	1,470	678	547	173	180	208							
CAL YR	2003	TOTAL	9,084.02	MEAN	24.9	MAX	200	MIN	0.76	AC-FT	18020	MEAN†	29.3	CFSM†	4.74	IN.†	64.31	AC-FT†	21190
WTR YR	2004	TOTAL	8,670.5	MEAN	23.7	MAX	300	MIN	1.1	AC-FT	17200	MEAN†	26.3	CFSM†	4.26	IN.†	57.90	AC-FT†	19080

† Adjusted for storage and diversion from McGuire Lake.

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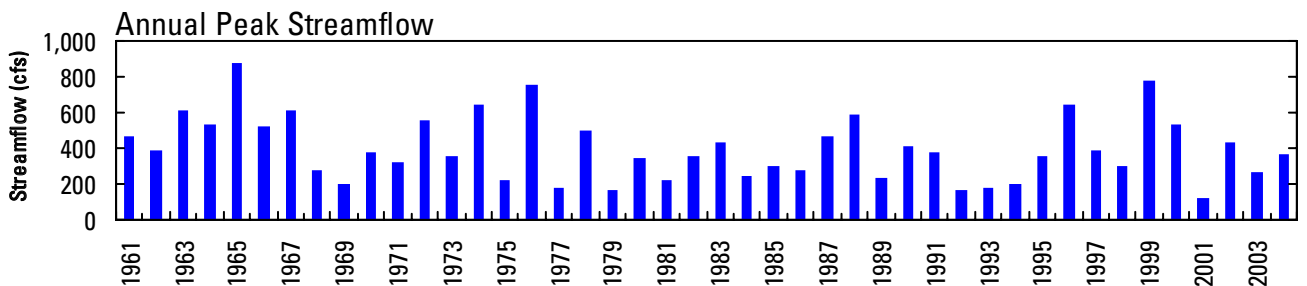
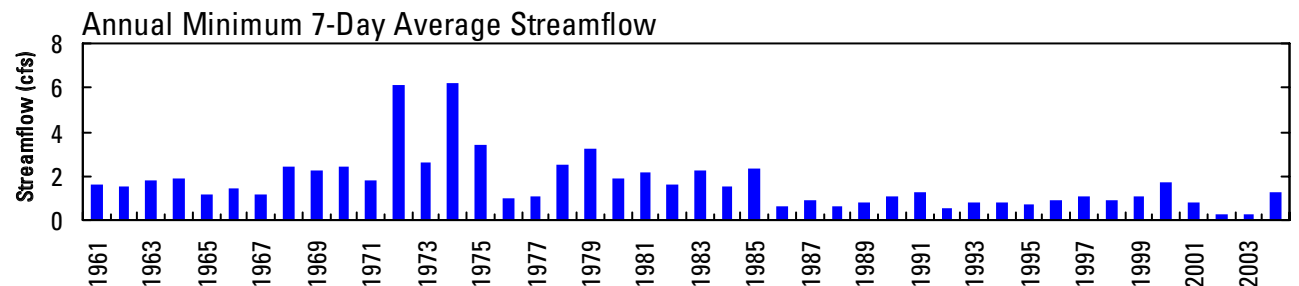
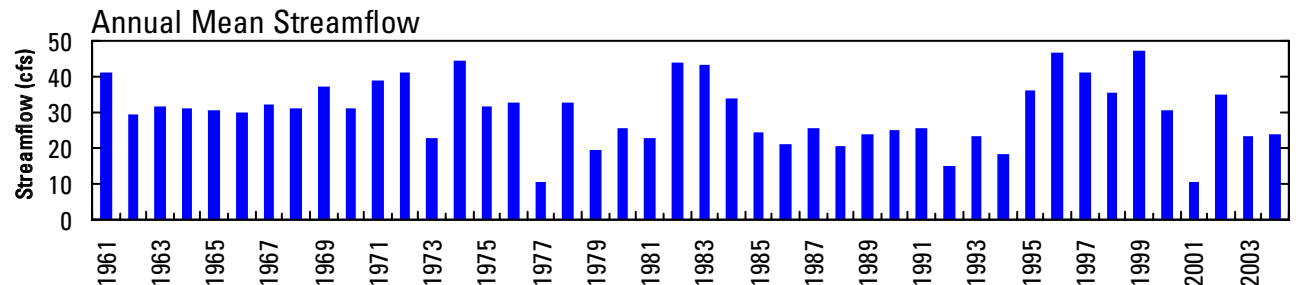
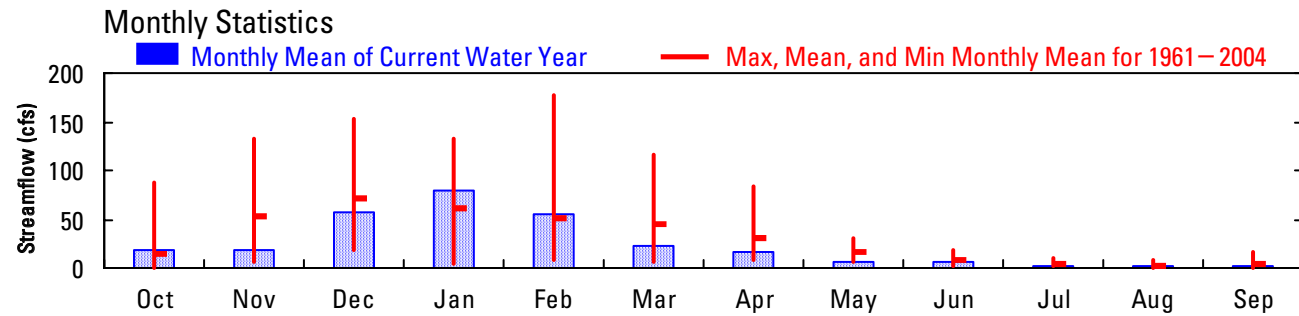
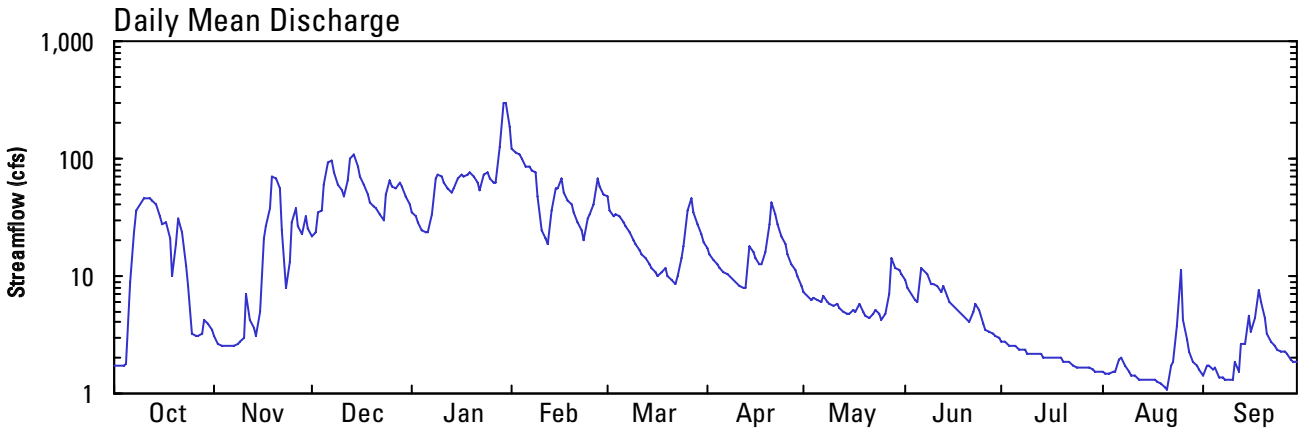
2004 Water Year
NESTUCCA RIVER BASIN

14302900 NESTUCCA RIVER NEAR FAIRDALE, OREG.

Latitude: 45° 18' 40"
Yamhill County

Longitude: 123° 25' 05"
Datum: 1,778.99 feet

Hydrologic Unit Code: 17100203
Drainage Area: 6.18 square miles



14303200 TUCCA CREEK NEAR BLAINE, OR

LOCATION.--Lat 45°19'28", long 123°32'43", in SE ¼ NW ¼ sec.9, T.3 S., R.7 W., Tillamook County, Hydrologic Unit 17100203, on right bank at road bridge, 80 ft upstream from confluence with Elk Creek, and 8 mi northeast of Blaine.

DRAINAGE AREA.--3.09 mi².

PERIOD OF RECORD.--July 1983 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 1,400 ft above NGVD of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records fair.

AVERAGE DISCHARGE.--21 years (water years 1984-2004), 17.1 ft³/s, 75.13 in/yr, 12,380 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 680 ft³/s Feb. 6, 1996, gage height, 4.30 ft, from rating curve extended above 190 ft³/s on basis of slope-area measurement of peak flow; maximum gage height, 5.49 ft, Dec. 27, 1998; minimum discharge, 0.46 ft³/s Sept. 30, Oct. 1, 2, 1987.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 180 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan. 29	0615	*176	*4.04	No other peak greater than base discharge.			

Minimum discharge, 1.2 ft³/s, Oct. 1.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.2	2.7	29	21	55	32	15	10	16	4.8	2.5	3.9
2	1.3	2.7	25	19	45	27	14	9.3	14	4.7	2.4	3.9
3	1.3	2.5	24	17	39	25	13	8.6	13	4.6	2.4	3.7
4	1.3	2.5	23	16	35	27	12	8.3	12	4.4	2.5	3.6
5	1.3	2.3	26	14	31	28	11	7.9	12	4.4	2.5	3.4
6	1.7	2.2	37	15	31	30	10	7.3	16	4.3	2.9	3.2
7	2.2	2.2	39	19	31	29	9.8	7.5	15	4.2	2.8	3.1
8	1.8	2.2	35	25	30	26	9.1	7.1	15	4.1	2.4	3.0
9	4.3	2.2	32	37	28	24	8.4	6.5	15	3.9	2.3	2.9
10	4.1	2.7	29	42	26	21	7.9	6.4	15	3.9	2.2	3.0
11	2.9	7.3	26	41	23	19	7.5	6.5	14	3.7	2.1	4.3
12	4.4	4.7	33	37	21	17	7.2	6.0	13	3.6	2.1	3.2
13	3.1	3.7	48	34	19	15	7.0	5.6	13	3.6	2.0	5.1
14	2.4	3.4	58	34	17	14	12	5.4	12	3.5	2.0	5.1
15	2.4	5.4	47	34	16	13	11	5.3	11	3.4	2.0	11
16	4.2	13	39	32	18	12	11	6.0	10	3.3	2.0	9.1
17	3.5	24	33	27	17	11	11	5.5	9.6	3.2	1.9	12
18	2.7	28	29	26	20	11	10	5.7	9.1	3.2	1.9	17
19	3.9	31	26	25	22	11	11	5.4	8.5	3.1	1.8	19
20	4.9	27	24	23	22	9.7	15	5.2	8.2	3.1	1.8	17
21	6.1	22	22	21	22	9.0	24	5.0	7.8	3.1	1.9	15
22	4.7	18	20	19	20	8.5	26	5.7	7.5	2.9	3.0	13
23	4.6	16	19	24	18	8.0	24	6.2	7.2	2.9	2.9	11
24	3.6	16	20	25	20	9.3	21	6.1	6.9	2.8	5.3	9.6
25	3.1	23	21	26	20	9.5	19	5.7	6.3	2.7	21	8.5
26	2.9	32	21	27	23	16	16	6.5	5.9	2.7	12	7.7
27	2.7	31	24	28	33	24	14	8.7	5.6	2.7	7.7	7.0
28	2.8	28	29	59	39	23	13	15	5.4	2.6	5.9	6.4
29	3.7	35	30	149	36	21	12	16	5.2	2.6	4.9	6.0
30	3.1	34	27	122	---	19	11	17	5.0	2.6	4.4	5.8
31	2.7	---	25	80	---	17	---	17	---	2.6	4.1	---
TOTAL	94.9	426.7	920	1,118	777	566.0	392.9	244.4	314.2	107.2	117.6	226.5
MEAN	3.06	14.2	29.7	36.1	26.8	18.3	13.1	7.88	10.5	3.46	3.79	7.55
MAX	6.1	35	58	149	55	32	26	17	16	4.8	21	19
MIN	1.2	2.2	19	14	16	8.0	7.0	5.0	5.0	2.6	1.8	2.9
AC-FT	188	846	1,820	2,220	1,540	1,120	779	485	623	213	233	449
CFSM	0.99	4.60	9.60	11.7	8.67	5.91	4.24	2.55	3.39	1.12	1.23	2.44
IN.	1.14	5.14	11.08	13.46	9.35	6.81	4.73	2.94	3.78	1.29	1.42	2.73

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 2004, BY WATER YEAR (WY)

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	
MEAN	5.58	29.8	36.4	33.9	33.8	24.9	17.6	10.4	6.69	3.05	1.83	2.12										
MAX	29.2	66.1	98.5	60.0	98.0	43.4	41.4	18.7	12.0	4.49	3.79	7.64										
(WY)	(1998)	(1996)	(1997)	(1999)	(1999)	(2003)	(1996)	(1984)	(1990)	(1997)	(2004)	(1997)										
MIN	0.95	1.76	15.9	9.03	10.3	6.59	8.66	4.02	2.40	1.65	1.11	0.91										
(WY)	(1988)	(1994)	(1987)	(2001)	(1993)	(1992)	(2000)	(1989)	(1992)	(1992)	(1986)	(1987)										

14303200 TUCCA CREEK NEAR BLAINE, OR—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1984 - 2004	
ANNUAL TOTAL	6,009.32		5,305.4			
ANNUAL MEAN	16.5		14.5		17.1	
HIGHEST ANNUAL MEAN					29.4	1999
LOWEST ANNUAL MEAN					7.65	2001
HIGHEST DAILY MEAN	133	Jan 31	149	Jan 29	460	Feb 8, 1996
LOWEST DAILY MEAN	0.84	Sep 6	1.2	Oct 1	0.55	Oct 1, 1987
ANNUAL SEVEN-DAY MINIMUM	0.90	Aug 31	1.5	Oct 1	0.63	Sep 28, 1987
ANNUAL RUNOFF (AC-FT)	11,920		10,520		12,380	
ANNUAL RUNOFF (CFSM)	5.33		4.69		5.53	
ANNUAL RUNOFF (INCHES)	72.35		63.87		75.13	
10 PERCENT EXCEEDS	39		31		39	
50 PERCENT EXCEEDS	11		10		8.6	
90 PERCENT EXCEEDS	1.2		2.6		1.4	



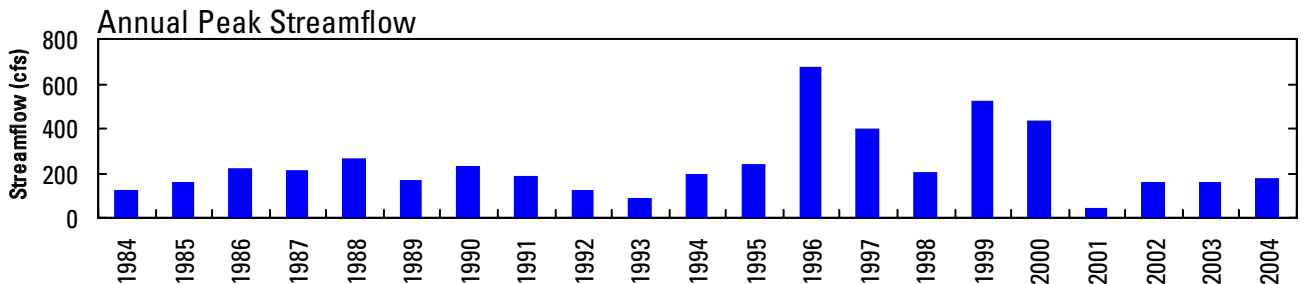
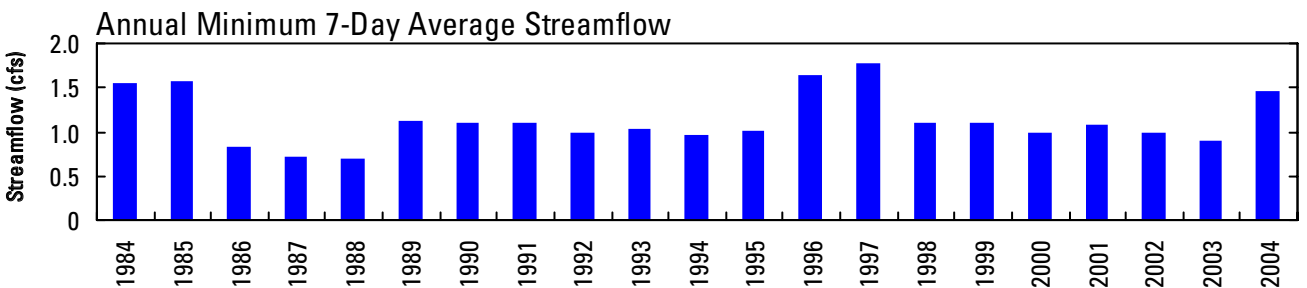
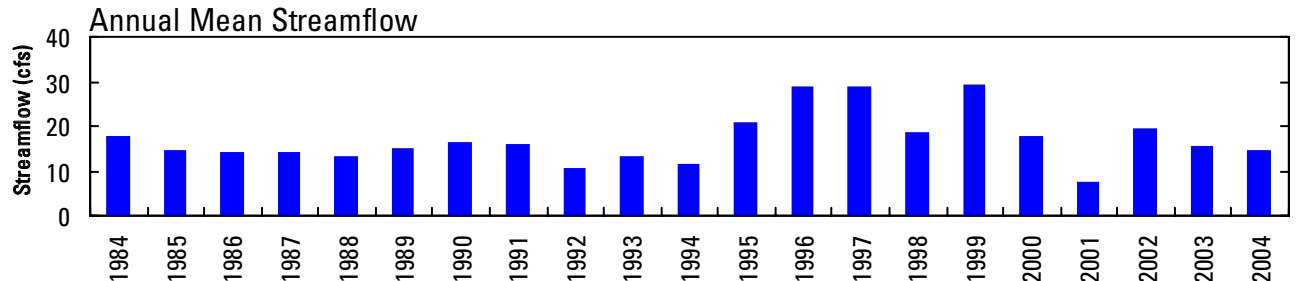
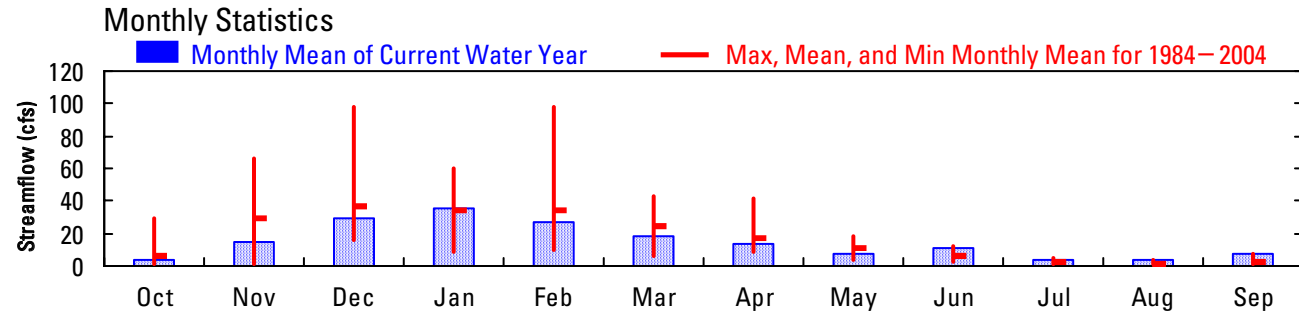
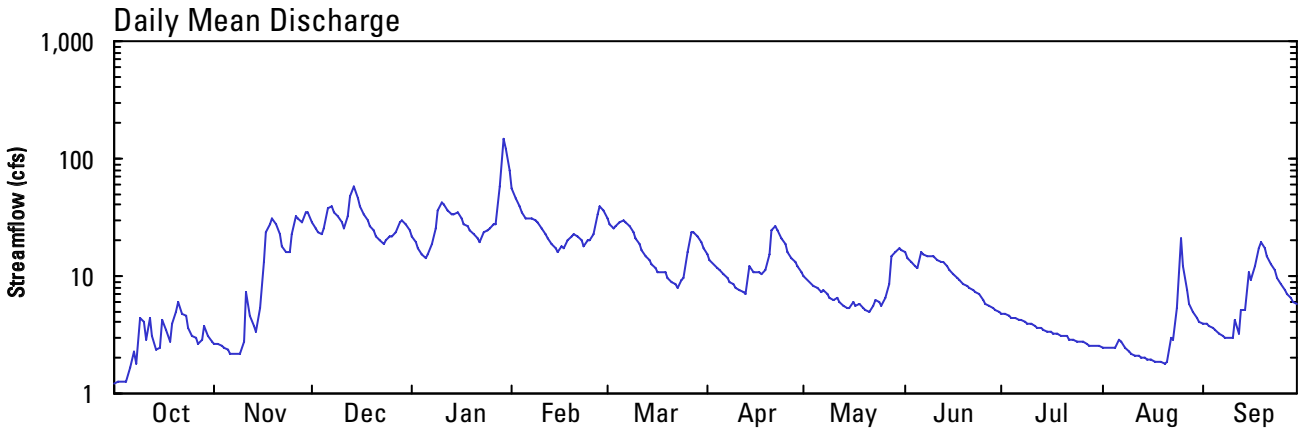
2004 Water Year
NESTUCCA RIVER BASIN

14303200 TUCCA CREEK NEAR BLAINE, OR.

Latitude: 45° 19 ' 28"
Tillamook County

Longitude: 123° 32 ' 43"
Datum: 1,400 feet

Hydrologic Unit Code: 17100203
Drainage Area: 3.09 feet



14305500 SILETZ RIVER AT SILETZ, OR

LOCATION.--Lat 44°42'55", long 123°53'10", in NW ¼ SW ¼ sec.11, T.10 S., R.10 W., Lincoln County, Hydrologic Unit 17100204, on right bank, 1.8 mi downstream from Baker Creek, 1.5 mi east of Siletz, and at mile 42.6.

DRAINAGE AREA.--202 mi².

PERIOD OF RECORD.--October 1905 to December 1908, January 1910 to November 1911, January 1912 to April 1912, December 1924 to current year. Monthly discharges, January to December 1909, published in WSP 1318.

REVISED RECORDS.--WSP 1935: 1943, 1947-49(M), 1953-58(M).

GAGE.--Water-stage recorder. Datum of gage is 102.32 ft above NGVD of 1929. Oct. 1, 1905, to Sept 30, 1938, nonrecording gage at various sites within 2.5 mi downstream at different datums.

REMARKS.--No estimated daily discharges. Records good. Slight regulation from logponds. Small diversions upstream from station for irrigation. Continuous water-quality records for the period February 1972 to September 1985 have been collected at this location.

AVERAGE DISCHARGE.--83 years (water years 1906-08, 1911, 1926-2004), 1,510 ft³/s, 101.54 in/yr, 1,094,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 53,800 ft³/s Nov. 26, 1999, gage height, 28.62 ft, from rating curve extended above 22,700 ft³/s on basis of slope-area measurement of peak flow; minimum discharge, 42 ft³/s Sept. 5, 6, 2003.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Nov. 20, 1921, reached a stage of 31.6 ft, at site 2.5 mi downstream at different datum, from floodmark, discharge, 40,800 ft³/s, from rating curve extended above 17,000 ft³/s.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 14,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan 29	1100	*20,700	*16.78	No other peak greater than base discharge.			

Minimum discharge, 56 ft³/s, Oct. 1-6.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	57	164	2,390	2,870	5,530	2,310	960	635	830	279	116	296
2	57	170	1,990	2,720	4,280	1,910	872	593	725	273	115	283
3	57	170	2,660	2,490	3,370	1,730	803	557	644	263	112	272
4	56	157	2,170	2,290	2,850	1,910	744	534	579	256	110	245
5	56	149	2,850	1,990	2,360	2,190	695	516	570	245	111	231
6	60	142	4,350	1,950	2,360	2,460	652	487	814	237	123	215
7	117	138	4,010	3,070	2,460	2,150	616	473	1,090	229	193	202
8	119	136	3,820	5,180	2,230	1,850	584	478	1,000	223	138	188
9	145	134	3,120	5,510	1,980	1,600	550	462	902	215	114	181
10	129	133	2,910	4,840	1,750	1,410	521	446	870	212	105	177
11	127	364	2,510	3,920	1,550	1,260	495	464	809	208	101	313
12	204	366	3,540	3,270	1,380	1,140	475	439	734	200	98	265
13	221	283	7,280	3,040	1,260	1,030	467	396	773	193	95	261
14	162	249	8,370	2,900	1,220	941	770	373	709	189	93	349
15	136	287	5,200	3,260	1,200	865	876	356	645	183	92	695
16	169	1,110	3,810	2,920	1,540	802	1,100	359	593	176	90	783
17	183	2,060	3,390	2,440	1,770	751	1,010	363	545	170	89	853
18	155	2,470	2,700	2,370	2,390	749	907	351	507	168	87	1,100
19	248	4,060	2,250	2,370	2,630	731	904	365	477	164	85	1,500
20	424	2,930	2,260	2,190	2,240	659	1,430	334	450	163	83	1,180
21	742	2,080	2,540	1,920	1,890	614	2,220	317	424	159	81	894
22	461	1,510	2,200	1,690	1,640	584	2,010	351	406	152	130	729
23	414	1,190	1,930	2,590	1,480	555	1,640	408	402	145	220	619
24	323	1,310	2,120	4,220	1,550	604	1,370	393	387	139	636	541
25	268	2,010	3,030	3,480	1,590	657	1,170	347	370	135	1,390	482
26	228	2,600	2,770	3,130	1,650	1,240	1,020	342	346	130	1,250	441
27	202	2,100	2,910	3,120	3,210	2,390	905	531	330	128	943	404
28	188	1,720	4,490	5,520	3,520	1,840	820	1,210	317	126	630	370
29	220	3,900	5,940	17,500	2,740	1,450	748	1,190	303	124	481	346
30	218	3,300	4,360	13,400	---	1,250	686	1,010	290	120	396	324
31	183	---	3,330	7,740	---	1,080	---	952	---	118	333	---
TOTAL	6,329	37,392	107,200	125,900	65,620	40,712	28,020	16,032	17,841	5,722	8,640	14,739
MEAN	204	1,246	3,458	4,061	2,263	1,313	934	517	595	185	279	491
MAX	742	4,060	8,370	17,500	5,530	2,460	2,220	1,210	1,090	279	1,390	1,500
MIN	56	133	1,930	1,690	1,200	555	467	317	290	118	81	177
AC-FT	12,550	74,170	212,600	249,700	130,200	80,750	55,580	31,800	35,390	11,350	17,140	29,230
CFSM	1.01	6.17	17.1	20.1	11.2	6.50	4.62	2.56	2.94	0.91	1.38	2.43
IN.	1.17	6.89	19.74	23.19	12.08	7.50	5.16	2.95	3.29	1.05	1.59	2.71

SILETZ RIVER BASIN

14305500 SILETZ RIVER AT SILETZ, OR—Continued

DISCHARGE, CUBIC FEET PER SECOND—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1906 - 2004, BY WATER YEAR (WY)												
MEAN	698	2,409	3,354	3,266	2,932	2,225	1,488	833	496	222	132	197
MAX	3,412	6,207	7,828	7,664	6,055	4,560	3,560	2,579	1,602	602	419	1,138
(WY)	(1927)	(1907)	(1934)	(1953)	(1949)	(1932)	(1937)	(1933)	(1906)	(1910)	(1968)	(1959)
MIN	50.1	72.4	401	518	752	557	387	233	144	99.7	62.5	58.6
(WY)	(1988)	(1930)	(1977)	(1977)	(1973)	(1941)	(1926)	(1939)	(1928)	(1992)	(2003)	(1965)
SUMMARY STATISTICS												
	FOR 2003 CALENDAR YEAR				FOR 2004 WATER YEAR				WATER YEARS 1906 - 2004			
ANNUAL TOTAL	531,954				474,147				1,510			
ANNUAL MEAN	1,457				1,295				2,337			
HIGHEST ANNUAL MEAN									1974			
LOWEST ANNUAL MEAN									660			
HIGHEST DAILY MEAN	13,800				Jan 31				17,500			
LOWEST DAILY MEAN	42				Sep 6				56			
ANNUAL SEVEN-DAY MINIMUM	45				Aug 31				66			
ANNUAL RUNOFF (AC-FT)	1,055,000				940,500				1,094,000			
ANNUAL RUNOFF (CFSM)	7.21				6.41				7.47			
ANNUAL RUNOFF (INCHES)	97.96				87.32				101.54			
10 PERCENT EXCEEDS	3,740				3,080				3,780			
50 PERCENT EXCEEDS	677				648				740			
90 PERCENT EXCEEDS	63				132				103			



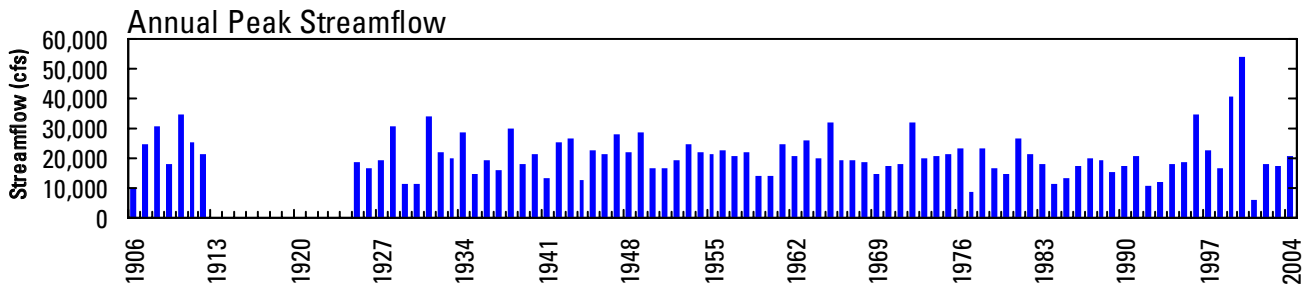
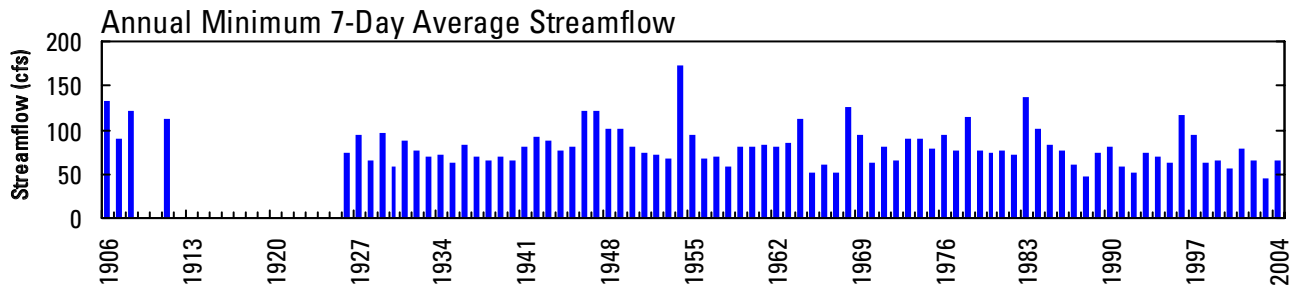
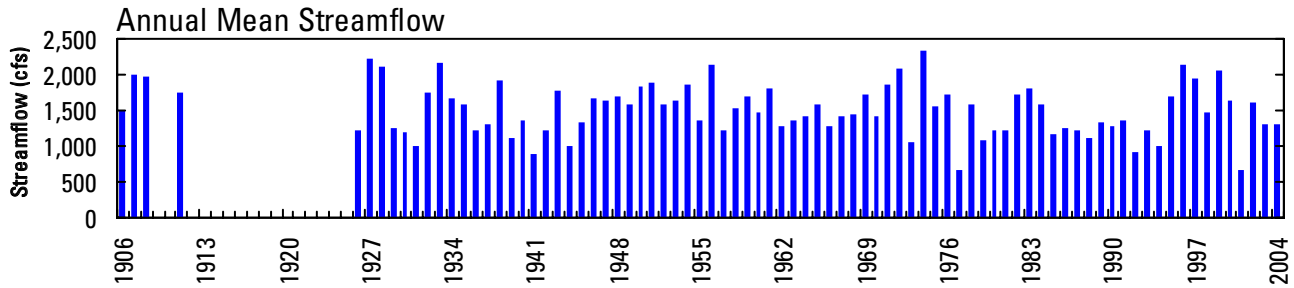
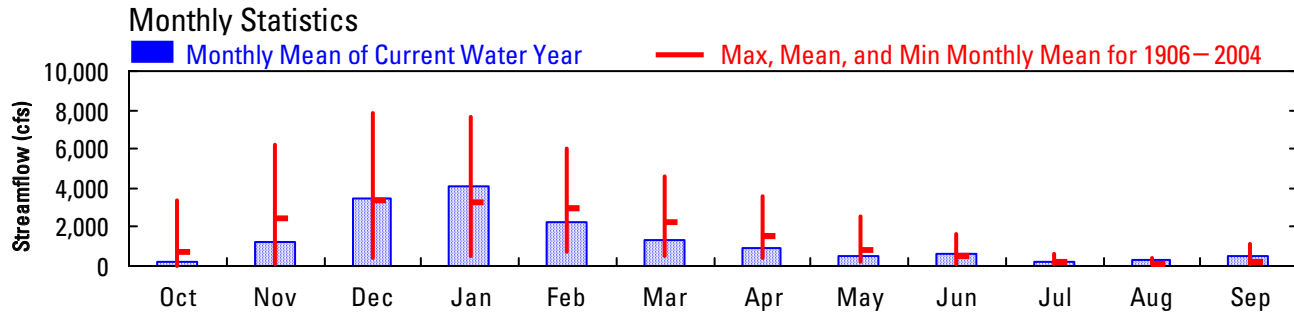
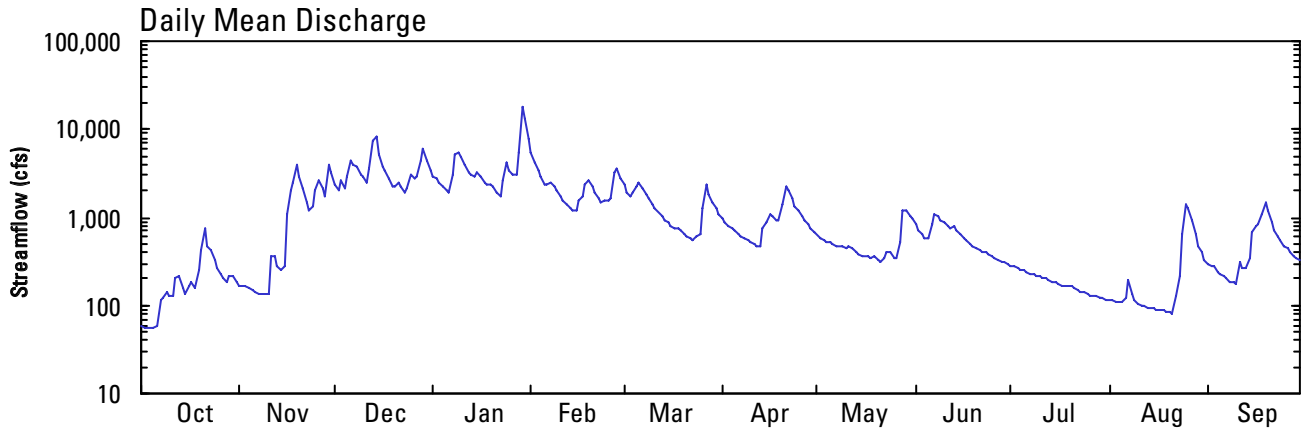
2004 Water Year
SILETZ RIVER BASIN

14305500 SILETZ RIVER AT SILETZ, OR

Latitude: 44° 42 ' 55"
Lincoln County

Longitude: 123° 53 ' 10"
Datum: 102.32 feet

Hydrologic Unit Code: 17100204
Drainage Area: 202 square miles



14306340 EAST FORK LOBSTER CREEK NEAR ALSEA, OR

LOCATION.--Lat 44°14'53", long 123°38'07", in NE ¼ SE ¼ sec.22, T.15 S., R.8 W., Lane County, Hydrologic Unit 17100205, on left bank 500 ft upstream from Lobster Creek, and 9 mi south of Alsea.

DRAINAGE AREA.--5.70 mi².

PERIOD OF RECORD.--July 1983 to current year.

REVISED RECORDS.--WDR OR-87-2: 1984(M,P), 1985(M,P), 1986(M,P).

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 680 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except those for the period Mar. 17-24, May 5-11, which are fair, May 12-27, which are poor. No regulation or diversion upstream from station. U.S. Geological Survey satellite telemeter at station.

AVERAGE DISCHARGE.--21 years (water years 1984-2004), 24.7 ft³/s, 58.84 in/yr, 17,880 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,360 ft³/s Feb. 7, 1996, gage height, 5.37 ft, from rating curve extended above 900 ft³/s on basis of slope-area measurement of peak flow; minimum discharge, 0.17 ft³/s Sept. 27, 28, Oct. 2, 1987.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 300 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 13	1515	*283	*3.58	No other peak greater than base discharge.			

Minimum discharge, 0.85 ft³/s, Oct. 1.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.90	2.2	27	53	97	42	13	9.6	6.2	3.6	1.8	1.3
2	0.92	3.9	21	52	71	36	11	8.7	5.7	3.6	1.8	1.4
3	0.95	4.3	32	44	54	31	10	8.0	5.4	3.5	1.8	1.4
4	0.97	3.9	27	39	43	40	9.2	7.7	5.0	3.4	1.8	1.3
5	1.0	4.7	59	33	34	47	8.4	e7.4	5.0	3.3	1.9	1.3
6	1.1	3.9	90	43	35	45	7.8	e6.9	6.6	3.2	2.2	1.2
7	1.5	3.0	76	95	47	37	7.3	e7.3	7.5	3.1	2.4	1.2
8	1.5	2.7	75	114	39	30	6.8	e6.5	19	3.0	2.0	1.1
9	1.7	2.4	57	106	33	25	6.4	e6.2	18	3.0	1.8	1.1
10	1.3	2.3	72	90	27	21	6.0	e5.9	17	2.9	1.7	1.2
11	1.4	5.0	45	73	23	18	5.6	e6.5	16	2.9	1.7	1.4
12	2.9	4.4	49	60	20	16	5.4	e6.1	13	2.7	1.6	1.5
13	1.8	3.3	179	51	18	14	5.4	e5.6	12	2.7	1.6	1.6
14	1.3	2.9	143	45	19	12	11	e5.5	11	2.5	1.6	1.7
15	1.3	3.9	90	42	23	11	11	e5.3	9.4	2.4	1.6	1.8
16	1.4	23	63	39	51	10	11	e5.7	8.2	2.3	1.6	1.8
17	1.4	17	59	34	70	9.1	11	e6.2	7.3	2.3	1.5	2.6
18	1.4	20	47	31	72	9.0	10	e6.6	6.6	2.3	1.5	12
19	1.8	41	38	33	57	8.7	11	e6.1	6.1	2.2	1.5	11
20	2.1	27	31	34	45	7.7	44	e5.7	5.7	2.2	1.5	5.5
21	2.3	17	26	29	35	7.1	86	e5.4	5.4	2.2	1.5	3.7
22	2.4	8.1	22	25	29	6.7	60	e5.6	5.3	2.1	2.7	2.8
23	3.1	5.5	20	29	25	6.4	37	e6.0	5.3	2.0	3.0	2.4
24	2.5	11	26	44	26	7.2	28	e5.8	5.0	1.9	3.5	2.2
25	2.1	33	39	52	26	7.9	22	e5.4	4.7	1.9	6.4	2.0
26	1.9	43	35	51	31	29	19	e5.3	4.4	1.9	5.8	2.0
27	1.7	26	48	51	68	67	16	e5.8	4.2	1.9	3.3	1.9
28	1.7	15	108	67	63	33	14	7.6	4.0	1.9	2.4	1.8
29	2.0	83	154	126	46	22	12	7.6	3.9	1.8	1.9	1.8
30	2.3	46	83	199	---	18	11	7.4	3.7	1.8	1.6	1.8
31	2.3	---	56	119	---	15	---	6.8	---	1.8	1.4	---
TOTAL	52.94	468.4	1,897	1,903	1,227	688.8	516.3	202.2	236.6	78.3	68.4	75.8
MEAN	1.71	15.6	61.2	61.4	42.3	22.2	17.2	6.52	7.89	2.53	2.21	2.53
MAX	3.1	83	179	199	97	67	86	9.6	19	3.6	6.4	12
MIN	0.90	2.2	20	25	18	6.4	5.4	5.3	3.7	1.8	1.4	1.1
AC-FT	105	929	3,760	3,770	2,430	1,370	1,020	401	469	155	136	150
CFSM	0.30	2.74	10.7	10.8	7.42	3.90	3.02	1.14	1.38	0.44	0.39	0.44
IN.	0.35	3.06	12.38	12.42	8.01	4.50	3.37	1.32	1.54	0.51	0.45	0.49

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 2004, BY WATER YEAR (WY)

	4.78	37.0	54.6	56.3	55.3	38.3	24.8	14.1	7.80	2.34	1.29	1.40
MEAN												
MAX	32.4	115	137	116	164	77.1	49.5	28.2	21.3	3.88	2.21	4.51
(WY)	(1998)	(1985)	(1997)	(1999)	(1999)	(1997)	(1993)	(1999)	(1985)	(1984)	(2004)	(1997)
MIN	0.39	1.41	17.6	8.87	13.4	11.5	7.26	5.57	1.83	1.25	0.52	0.51
(WY)	(1988)	(1994)	(1990)	(2001)	(2001)	(1992)	(2000)	(2002)	(1992)	(2002)	(1992)	(2002)

14306340 EAST FORK LOBSTER CREEK NEAR ALSEA, OR—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1984 - 2004	
ANNUAL TOTAL	8,424.38		7,414.74			
ANNUAL MEAN	23.1		20.3		24.7	
HIGHEST ANNUAL MEAN					46.7	1999
LOWEST ANNUAL MEAN					8.28	2001
HIGHEST DAILY MEAN	179	Dec 13	199	Jan 30	817	Feb 7, 1996
LOWEST DAILY MEAN	0.57	Sep 1	0.90	Oct 1	0.25	Oct 13, 1991
ANNUAL SEVEN-DAY MINIMUM	0.58	Aug 31	1.0	Oct 1	0.29	Oct 9, 1991
ANNUAL RUNOFF (AC-FT)	16,710		14,710		17,880	
ANNUAL RUNOFF (CFSM)	4.05		3.55		4.33	
ANNUAL RUNOFF (INCHES)	54.98		48.39		58.84	
10 PERCENT EXCEEDS	67		55		62	
50 PERCENT EXCEEDS	8.1		6.8		9.4	
90 PERCENT EXCEEDS	0.75		1.6		0.99	

e Estimated



2004 Water Year
ALSEA RIVER BASIN

14306340 EAST FORK LOBSTER CREEK NEAR ALSEA, OR

Latitude: 44° 14' 53"

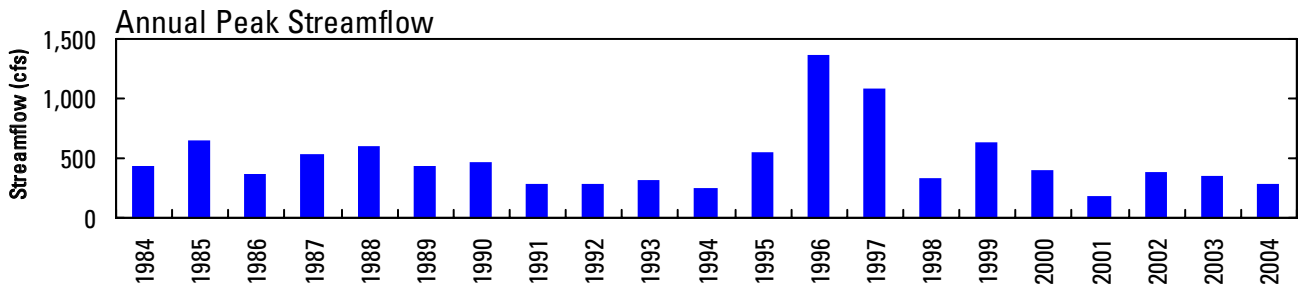
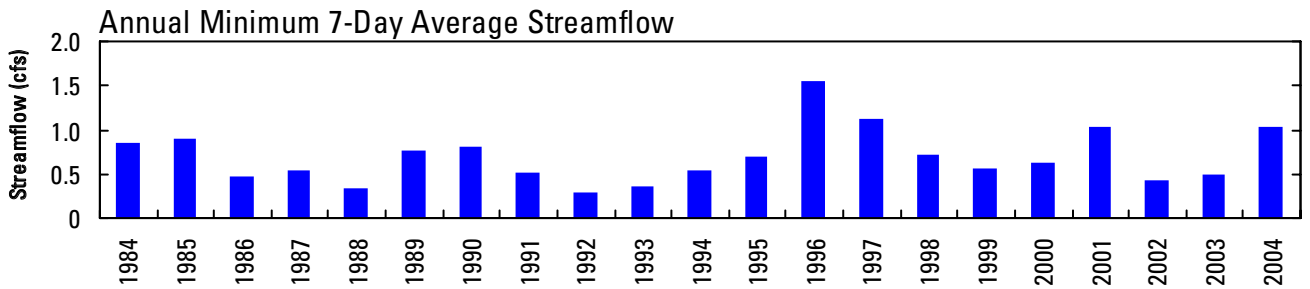
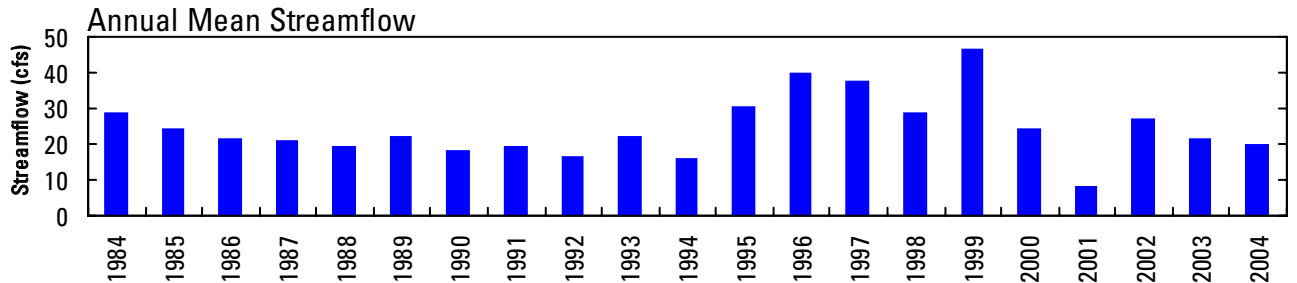
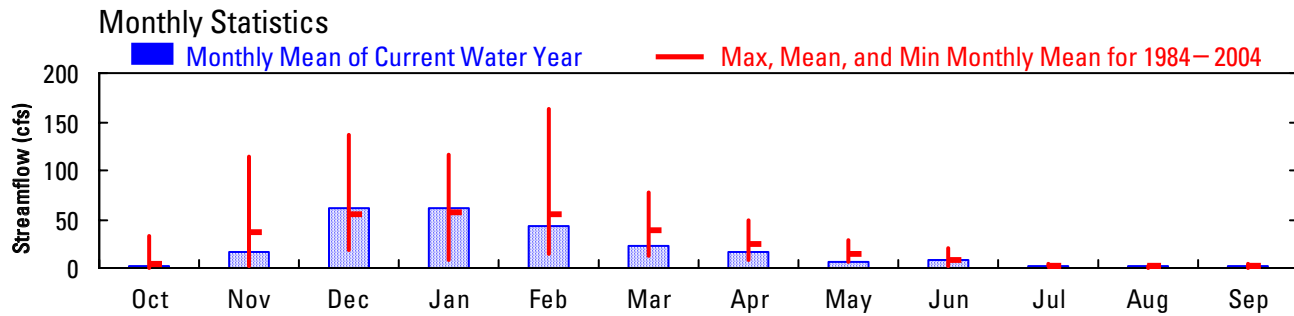
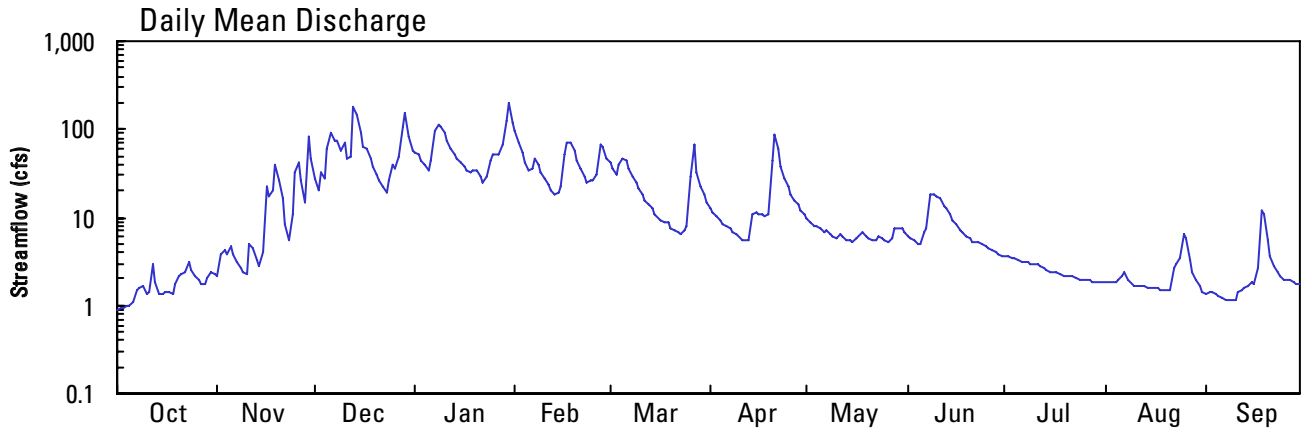
Longitude: 123° 38' 07"

Hydrologic Unit Code: 17100205

Lane County

Datum: 680 feet

Drainage Area: 5.7 square miles



14306500 ALSEA RIVER NEAR TIDEWATER, OR

LOCATION.--Lat 44°23'10", long 123°49'50", in NW ¼ NW ¼ sec.6, T.14 S., R.9 W., Lincoln County, Hydrologic Unit 17100205, on right bank 0.9 mi downstream from Grass Creek, 2.5 mi upstream from Scott Creek, 3.8 mi southeast of Tidewater, and at mile 21.0.

DRAINAGE AREA.--334 mi².

PERIOD OF RECORD.--October 1939 to current year.

GAGE.--Water-stage recorder. Datum of gage is 48.16 ft above NGVD of 1929. Prior to Nov. 16, 1939, nonrecording gage at present site and datum.

REMARKS.--No estimated daily discharges. Records good. No regulation. Diversion for irrigation upstream from station. Continuous water-quality records for the period October 1979 to September 1981 have been collected at this location.

AVERAGE DISCHARGE.--65 years (water years 1940-2004), 1,468 ft³/s, 59.71 in/yr, 1,063,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 41,800 ft³/s Dec. 22, 1964, gage height, 27.44 ft; minimum discharge, 45 ft³/s Sept. 26, 27, 1965.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood on or about Feb. 3, 1890, reached a stage of 29.5 ft, from floodmark (discharge not determined).

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 13,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 13	2300	*11,900	*13.83	No other peak greater than base discharge.			

Minimum discharge, 70 ft³/s, Oct. 1.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	72	103	1,430	3,690	6,170	2,930	1,130	785	400	236	115	116
2	72	107	1,080	3,890	4,860	2,520	1,040	738	372	233	114	114
3	71	130	1,480	3,530	3,860	2,260	976	698	352	227	113	116
4	72	137	1,370	3,340	3,190	2,240	913	670	335	225	112	112
5	73	146	1,930	2,930	2,680	2,390	858	653	322	217	115	109
6	78	144	3,630	2,790	2,560	2,440	812	627	379	209	121	104
7	135	134	3,190	4,100	2,920	2,200	772	617	502	201	148	100
8	138	125	3,400	5,420	2,650	1,960	737	602	634	196	137	97
9	124	120	2,490	5,380	2,330	1,760	698	578	769	192	116	95
10	124	114	2,580	4,560	2,090	1,580	665	579	670	190	106	95
11	114	160	2,140	3,830	1,890	1,460	636	613	627	188	101	107
12	148	190	2,110	3,260	1,720	1,350	611	576	560	183	97	117
13	187	164	6,180	2,860	1,580	1,250	599	526	536	177	95	129
14	147	138	8,690	2,560	1,620	1,160	926	499	513	173	93	165
15	122	145	5,180	2,410	1,710	1,080	1,060	481	461	168	93	180
16	125	332	3,670	2,200	2,260	1,010	1,000	490	424	163	91	190
17	118	883	3,070	1,990	3,390	961	921	478	391	160	87	214
18	103	538	2,510	1,930	4,330	938	840	464	362	160	85	623
19	118	1,040	2,120	1,970	3,730	921	847	487	342	155	83	1,120
20	163	1,280	1,890	2,000	3,090	847	1,440	451	327	149	82	603
21	171	884	1,630	1,830	2,620	801	3,150	423	311	146	82	396
22	145	614	1,440	1,660	2,270	766	2,820	428	304	141	127	299
23	134	455	1,330	1,760	2,030	734	2,080	438	310	138	210	248
24	125	540	1,730	2,240	2,120	775	1,660	421	308	133	229	216
25	114	850	2,720	2,430	2,220	797	1,400	390	300	127	283	194
26	105	1,530	2,580	2,500	2,260	1,500	1,220	370	280	124	417	184
27	100	1,170	2,560	2,450	3,630	3,140	1,090	390	270	123	300	176
28	96	806	5,060	2,850	4,190	2,210	983	492	261	121	200	165
29	100	3,130	8,670	6,320	3,340	1,700	912	524	250	118	159	157
30	111	2,390	5,970	9,710	---	1,460	843	476	242	116	138	149
31	114	---	4,180	7,500	---	1,260	---	442	---	115	125	---
TOTAL	3,619	18,499	98,010	105,890	83,310	48,400	33,639	16,406	12,114	5,204	4,374	6,690
MEAN	117	617	3,162	3,416	2,873	1,561	1,121	529	404	168	141	223
MAX	187	3,130	8,690	9,710	6,170	3,140	3,150	785	769	236	417	1,120
MIN	71	103	1,080	1,660	1,580	734	599	370	242	115	82	95
AC-FT	7,180	36,690	194,400	210,000	165,200	96,000	66,720	32,540	24,030	10,320	8,680	13,270
CFSM	0.35	1.85	9.47	10.2	8.60	4.67	3.36	1.58	1.21	0.50	0.42	0.67
IN.	0.40	2.06	10.92	11.79	9.28	5.39	3.75	1.83	1.35	0.58	0.49	0.75

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2004, BY WATER YEAR (WY)

	358	1,717	3,306	3,524	3,238	2,441	1,478	797	407	191	117	128
MEAN	358	1,717	3,306	3,524	3,238	2,441	1,478	797	407	191	117	128
MAX	2,521	6,058	7,419	7,874	6,909	5,144	3,203	1,848	1,053	363	234	452
(WY)	(1948)	(1974)	(1965)	(1953)	(1996)	(1961)	(1963)	(1963)	(1993)	(1983)	(1968)	(1941)
MIN	62.0	108	182	211	607	604	550	331	178	116	65.6	60.1
(WY)	(1988)	(1994)	(1977)	(1977)	(1977)	(1941)	(1977)	(1966)	(1966)	(1992)	(1966)	(1965)

ALSEA RIVER BASIN

14306500 ALSEA RIVER NEAR TIDEWATER, OR—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1940 - 2004	
ANNUAL TOTAL	487,401		436,155		1,468	
ANNUAL MEAN	1,335		1,192		2,541	
HIGHEST ANNUAL MEAN					431	
LOWEST ANNUAL MEAN					1974	
HIGHEST DAILY MEAN	8,770	Mar 22	9,710	Jan 30	36,100	Dec 22, 1964
LOWEST DAILY MEAN	57	Sep 6	71	Oct 3	47	Sep 26, 1965
ANNUAL SEVEN-DAY MINIMUM	60	Sep 1	82	Oct 1	51	Sep 25, 1965
ANNUAL RUNOFF (AC-FT)	966,800		865,100		1,063,000	
ANNUAL RUNOFF (CFSM)	4.00		3.57		4.39	
ANNUAL RUNOFF (INCHES)	54.29		48.58		59.71	
10 PERCENT EXCEEDS	3,550		3,130		3,790	
50 PERCENT EXCEEDS	614		550		635	
90 PERCENT EXCEEDS	78		114		97	



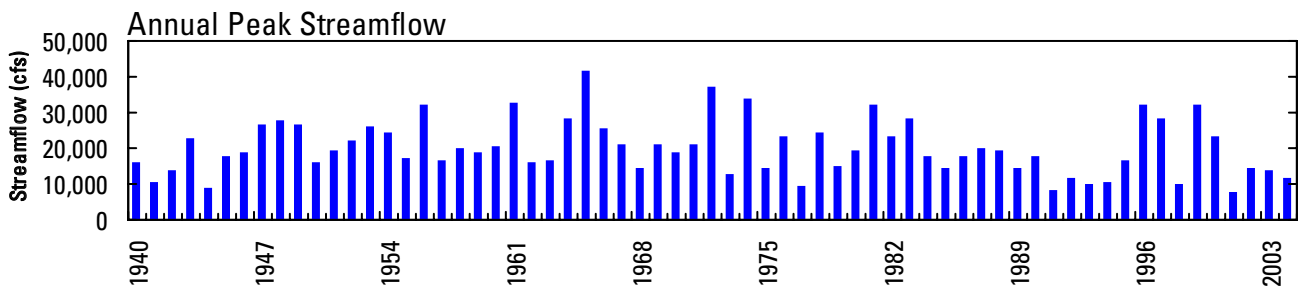
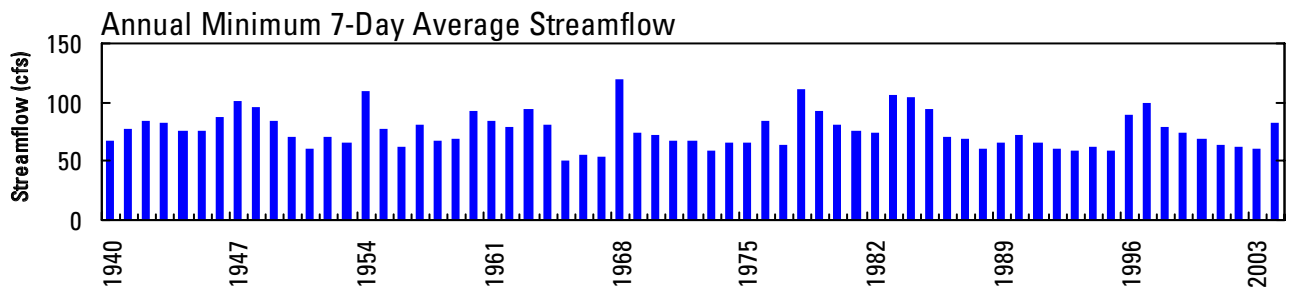
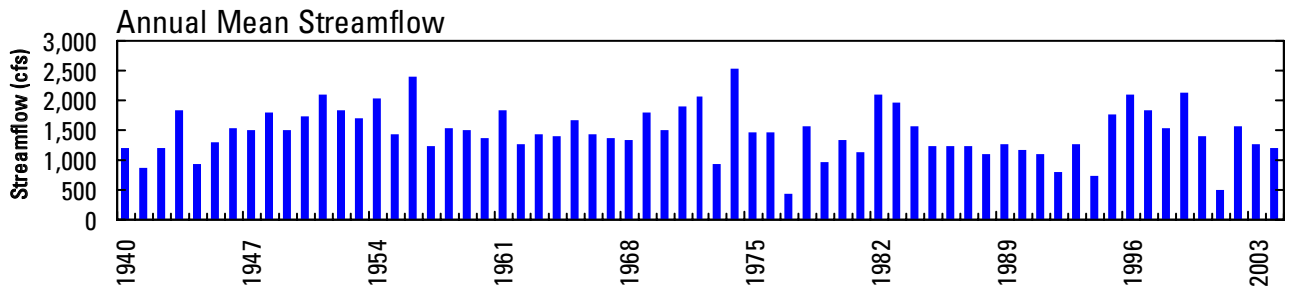
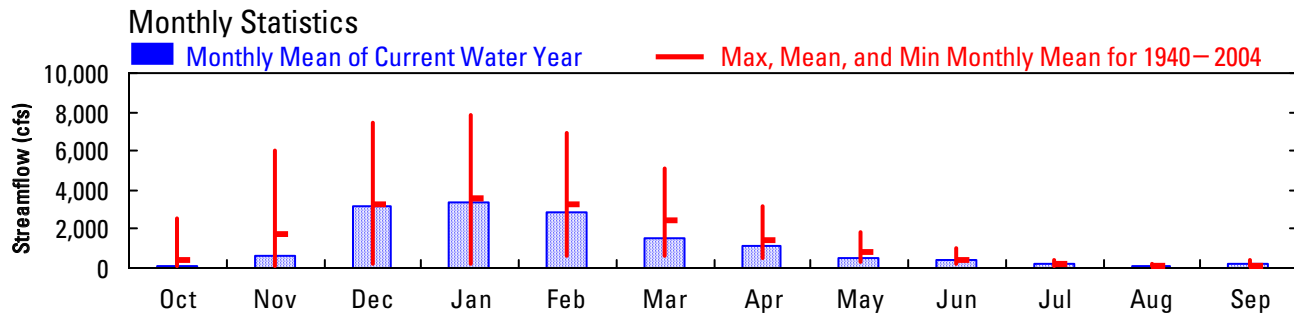
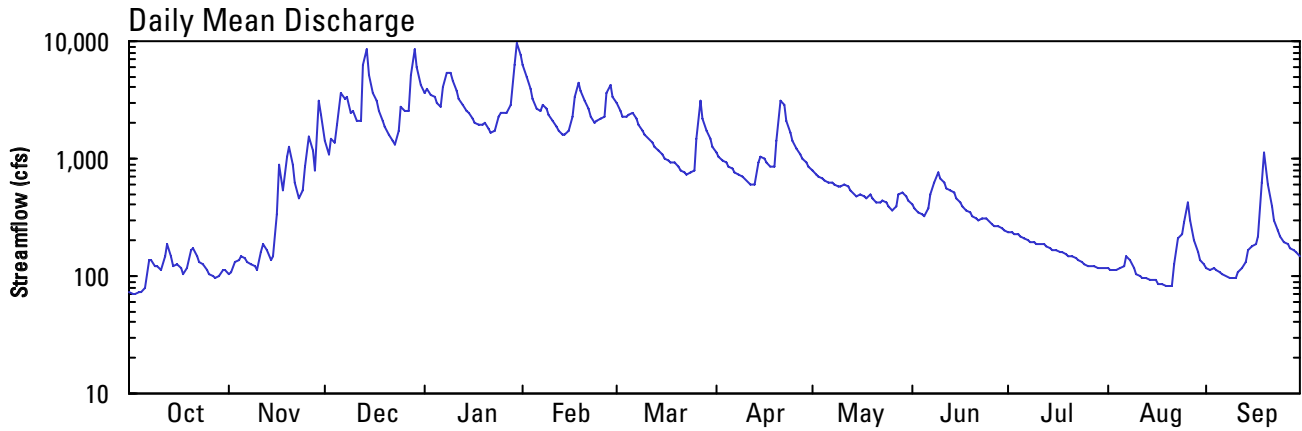
2004 Water Year
ALSEA RIVER BASIN

14306500 ALSEA RIVER NEAR TIDEWATER, OR

Latitude: 44° 23 ' 10"
Lincoln County

Longitude: 123° 49 ' 50"
Datum: 48.16 feet

Hydrologic Unit Code: 17100205
Drainage Area: 334 square miles



14307620 SIUSLAW RIVER NEAR MAPLETON, OR

LOCATION.--Lat 44°03'45", long 123°52'55", in SW ¼ NW ¼ sec.27, T.17 S., R.10 W., Lane County, Hydrologic Unit 17100206, on right bank 250 ft above Shoemaker Creek, 2.5 mi northwest of Mapleton, and at mile 23.7.

DRAINAGE AREA.--588 mi².

PERIOD OF RECORD.--October 1967 to September 1994, October 2001 to current year (discharge), February 1998 to September 2001 (gage height only).

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 41 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good, except for estimated daily discharges, which are poor. No regulation or diversions upstream from station. Water-quality records are available in the Environmental Quality Section (EQS) of the USGS Oregon Water Science Center.

AVERAGE DISCHARGE.--30 years (water years 1968-1994, 2002-04), 1,994 ft³/s, 46.08 in/yr, 1,445,000 ac-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum 49,400 ft³/s Jan. 21, 1972, gage height, 28.45 ft; minimum, 45 ft³/s Aug. 18, 19, 1997.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of December 1964 reached a stage of about 28 ft, from information by local residents (discharge not determined). Flood of Feb. 7, 1996 reached a stage of 30.21 ft, present datum, from floodmark, discharge, 54,800 ft³/s, from rating curve extended above 40,000 ft³/s.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 15,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec 13	unkwn	*22,800	*18.35	Jan 30	1100	15,300	14.79
Dec 29	1230	17,900	16.07				

Minimum discharge, 74 ft³/s, Oct. 1-4.

* From high-water mark.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	76	105	2,100	6,360	9,400	3,910	1,570	1,170	516	272	132	161
2	76	119	1,530	7,120	7,790	3,510	1,440	1,090	483	266	130	150
3	74	190	1,660	6,540	6,110	3,200	1,350	1,020	460	259	130	146
4	75	189	1,570	5,910	4,880	3,070	1,270	967	437	255	131	140
5	77	238	2,280	5,160	4,010	3,270	1,200	930	432	246	131	134
6	85	285	4,280	4,520	3,700	3,580	1,150	891	491	238	139	131
7	136	254	3,930	4,840	4,070	3,290	1,090	878	644	229	165	127
8	152	220	3,990	7,280	3,790	2,900	1,040	853	760	224	157	125
9	144	202	3,060	8,270	3,330	2,590	993	826	83	219	139	122
10	144	186	3,250	7,020	2,960	2,330	946	824	829	216	130	120
11	137	202	2,850	5,930	2,670	2,120	909	820	770	213	125	131
12	177	226	2,900	5,050	2,430	1,970	878	783	671	208	119	140
13	242	203	e11,400	4,370	2,240	1,830	860	732	643	203	113	156
14	189	184	e16,100	3,870	2,240	1,710	1,080	689	609	199	111	193
15	163	198	9,490	3,660	2,420	1,600	1,260	661	541	194	109	181
16	166	583	5,850	3,360	3,140	1,500	1,350	650	493	189	106	188
17	156	1,170	4,170	3,050	5,120	1,430	1,260	625	453	184	104	196
18	139	911	3,250	2,840	6,380	1,390	1,160	616	420	184	101	436
19	140	1,240	2,720	2,940	5,400	1,380	1,160	660	386	179	99	1,100
20	166	1,560	2,400	3,090	4,370	1,290	2,070	629	382	174	95	715
21	166	1,280	2,080	2,890	3,680	1,220	5,910	596	362	170	95	478
22	157	1,020	1,840	2,610	3,190	1,170	5,950	593	350	169	136	367
23	151	767	1,680	2,960	2,860	1,130	3,930	599	352	165	195	303
24	142	728	1,910	4,300	2,810	1,170	2,850	562	353	160	254	266
25	128	1,070	3,000	4,370	2,860	1,200	2,280	523	347	154	354	240
26	119	1,770	3,270	4,190	3,070	1,840	1,930	501	329	150	496	222
27	112	1,500	3,730	4,390	5,410	3,720	1,680	522	315	147	335	209
28	109	1,170	8,740	5,110	5,540	2,970	1,500	648	302	144	252	197
29	110	3,280	15,800	10,100	4,340	2,330	1,370	645	288	141	208	186
30	115	3,250	11,200	14,100	---	1,990	1,270	600	279	136	187	176
31	114	---	7,080	10,800	---	1,740	---	567	---	132	172	---
TOTAL	4,137	24,300	149,110	167,000	120,210	68,350	52,706	22,670	14,580	6,019	5,150	7,436
MEAN	133	810	4,810	5,387	4,145	2,205	1,757	731	486	194	166	248
MAX	242	3,280	16,100	14,100	9,400	3,910	5,950	1,170	883	272	496	1,100
MIN	74	105	1,530	2,610	2,240	1,130	860	501	279	132	95	120
AC-FT	8,210	48,200	295,800	331,200	238,400	135,600	104,500	44,970	28,920	11,940	10,220	14,750
CFSM	0.23	1.38	8.18	9.16	7.05	3.75	2.99	1.24	0.83	0.33	0.28	0.42
IN.	0.26	1.54	9.43	10.57	7.61	4.32	3.33	1.43	0.92	0.38	0.33	0.47

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1968 - 2004, BY WATER YEAR (WY)

	359	2,146	4,687	4,969	4,234	3,397	2,175	1,056	587	265	156	171
MEAN	359	2,146	4,687	4,969	4,234	3,397	2,175	1,056	587	265	156	171
MAX	1,219	7,819	9,787	10,060	9,084	6,819	4,445	2,102	1,466	628	321	356
(WY)	(1969)	(1974)	(1982)	(1970)	(1986)	(1974)	(1982)	(1984)	(1993)	(1983)	(1968)	(1971)
MIN	64.3	173	261	300	876	1,119	686	541	280	127	77.9	86.8
(WY)	(1988)	(1994)	(1977)	(1977)	(1977)	(1992)	(1977)	(1985)	(1992)	(1977)	(1973)	(1987)

14307620 SIUSLAW RIVER NEAR MAPLETON, OR—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1968 - 2004	
ANNUAL TOTAL	733,820		641,668		1,994	
ANNUAL MEAN	2,010		1,753		3,711	
HIGHEST ANNUAL MEAN					576	
LOWEST ANNUAL MEAN					1974	
HIGHEST DAILY MEAN	19,000	Feb 1	16,100	Dec 14	45,900	Jan 16, 1974
LOWEST DAILY MEAN	68	Sep 6	74	Oct 3	45	Aug 18, 1977
ANNUAL SEVEN-DAY MINIMUM	73	Sep 1	86	Oct 1	47	Aug 14, 1977
ANNUAL RUNOFF (AC-FT)	1,456,000		1,273,000		1,445,000	
ANNUAL RUNOFF (CFSM)	3.42		2.98		3.39	
ANNUAL RUNOFF (INCHES)	46.43		40.60		46.08	
10 PERCENT EXCEEDS	4,850		4,380		5,200	
50 PERCENT EXCEEDS	929		730		865	
90 PERCENT EXCEEDS	97		131		125	

e Estimated



2004 Water Year
SIUSLAW RIVER BASIN

14307620 SIUSLAW RIVER NEAR MAPLETON, OR

Latitude: 44° 03 ' 45"
Lane County

Longitude: 123° 52 ' 55"
Datum: 41.00 feet

Hydrologic Unit Code: 17100206
Drainage Area: 588 square miles

