

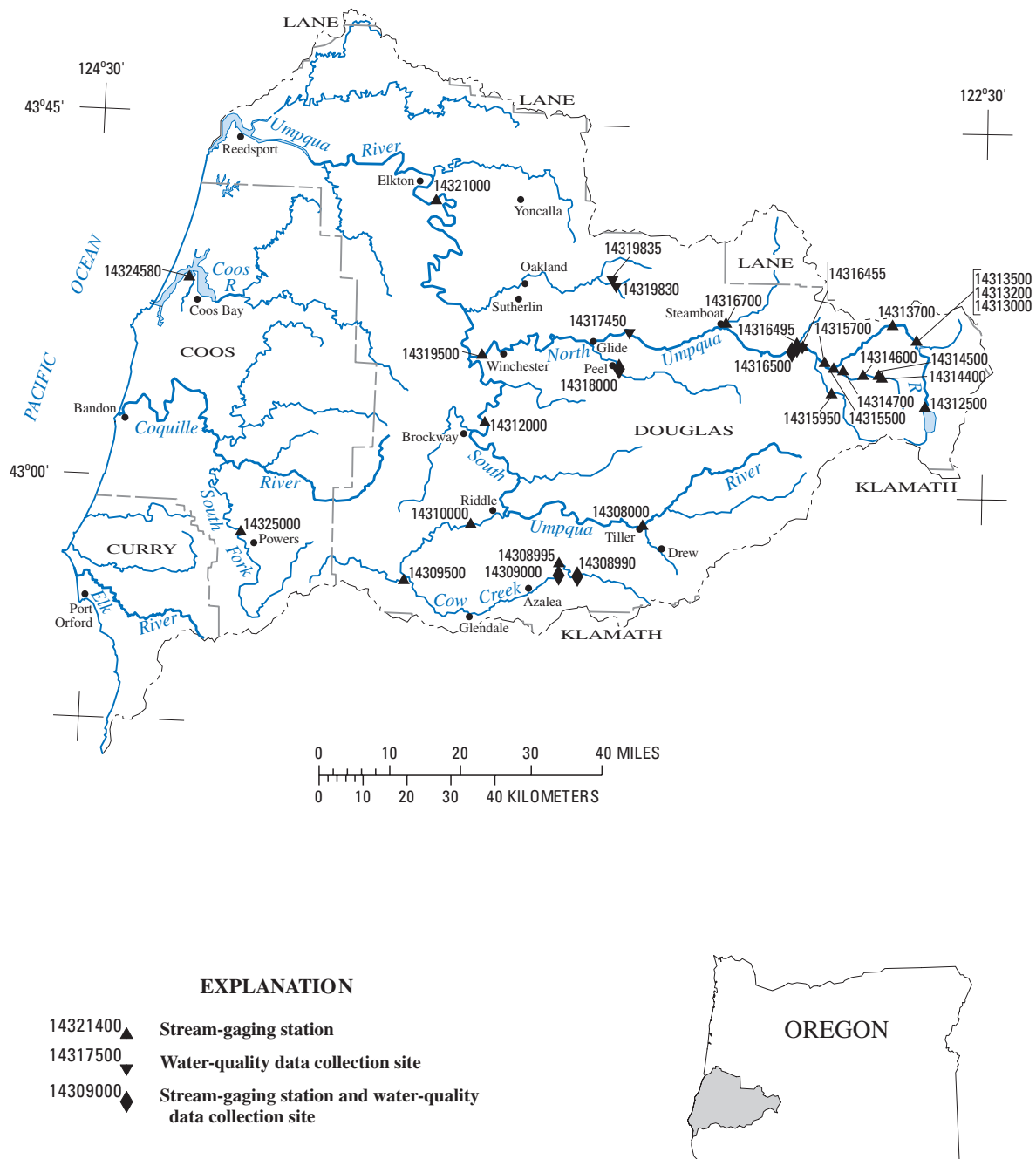


Figure 29. Location of surface-water and water-quality stations in the Umpqua, Coos, and Coquille River Basins.

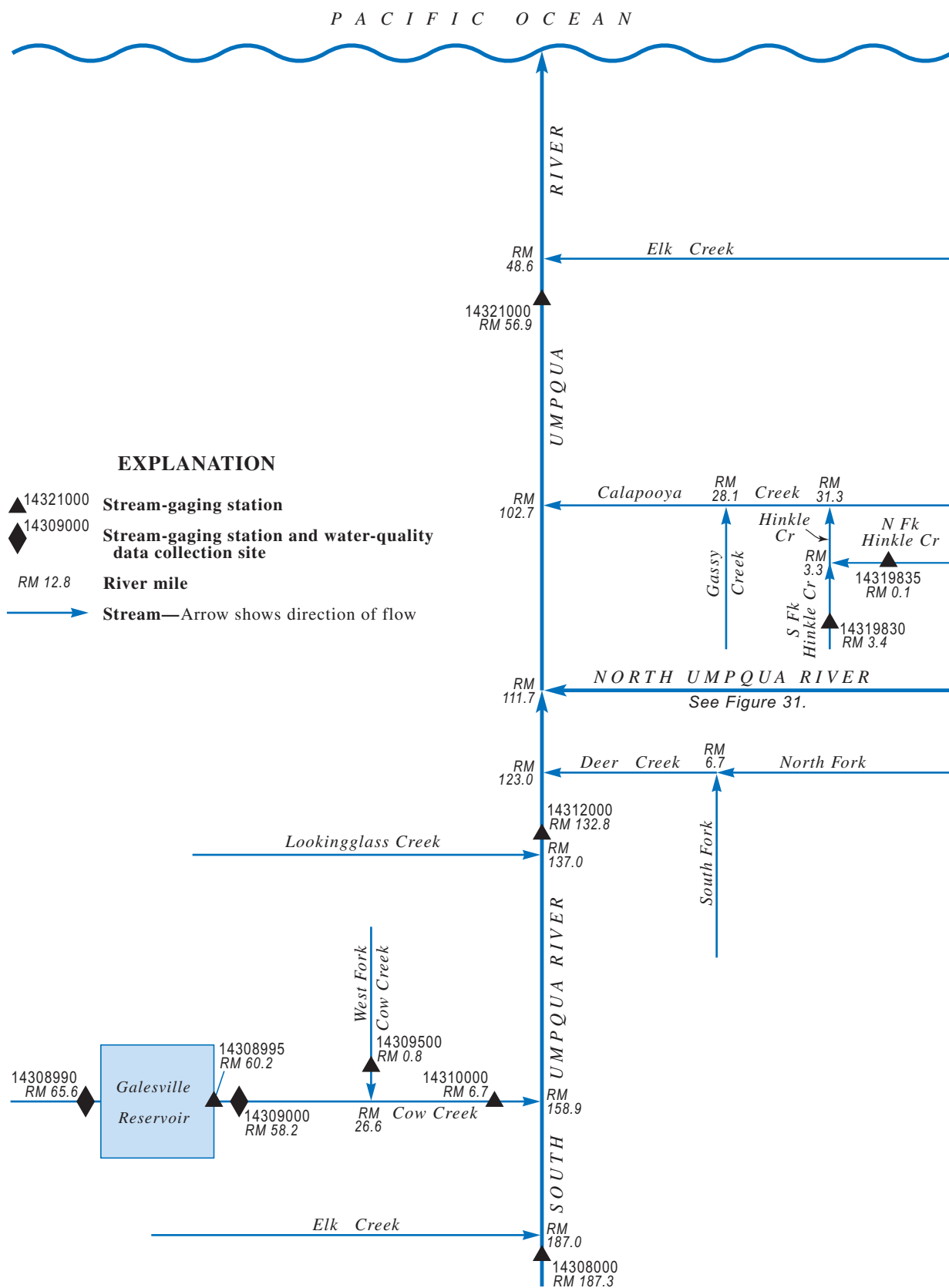


Figure 30. Schematic diagram showing gaging stations in the Umpqua and South Fork Umpqua River Basins.

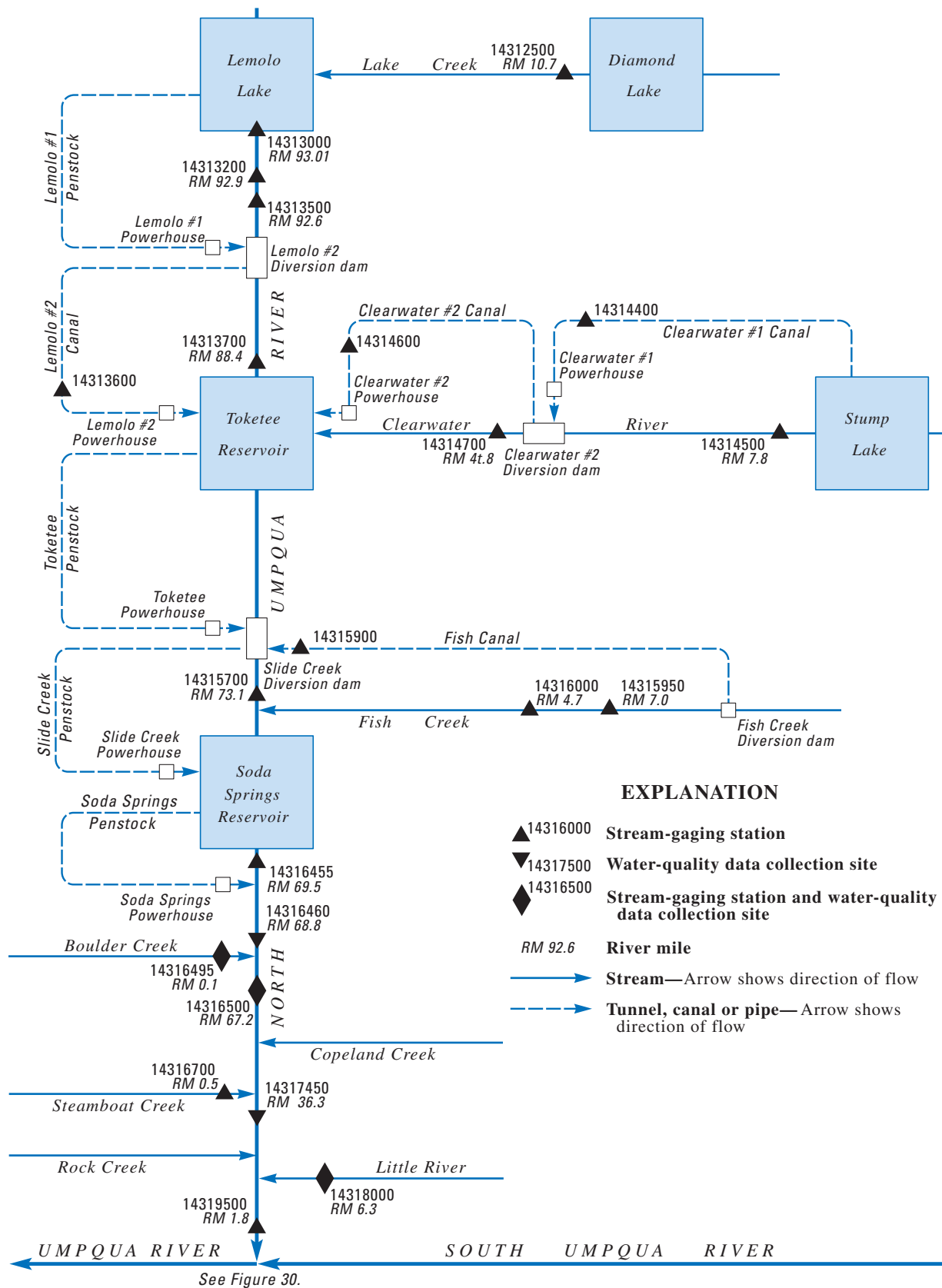


Figure 31. Schematic diagram showing gaging stations and diversions in the North Umpqua River Basin.

UMPQUA RIVER BASIN

14316700 STEAMBOAT CREEK NEAR GLIDE, OR

LOCATION.--Lat 43°21'00", long 122°43'40", in N 1/2 sec.32, T.25-1/2 S., R.1 E., Douglas County, Hydrologic Unit 17100301, in Umpqua National Forest, on right bank in Canton Creek Forest Service Park, 200 ft downstream from Canton Creek, 19 mi northeast of Glide and at mile 0.5.

DRAINAGE AREA.--227 mi².

PERIOD OF RECORD.--Annual maximum, water year 1956, June 1956 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,128.55 ft above NGVD of 1929 (levels by Federal Highway Administration). October 1955 to June 1956, nonrecording gage at site 100 ft upstream at same datum.

REMARKS.--Records good except for estimated daily discharges, which are fair. No regulation or diversion upstream from station. National Weather Service satellite telemeter at station.

AVERAGE DISCHARGE.--49 years (water years 1957-2005), 722 ft³/s, 43.24 in/yr, 523,400 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 51,000 ft³/s Dec. 22, 1964, gage height, 25.6 ft, from floodmark, from rating curve extended above 13,000 ft³/s on basis of slope-area measurement at gage height, 17.96 ft; minimum discharge, 25 ft³/s Sept. 24, 2001.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 8,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec 9	1030	*13,100	*12.11				

Minimum discharge, 27 ft³/s, Sept. 28-30, gage height, 0.38 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	44	e200	129	e280	197	139	1,850	427	379	133	58	34
2	43	e200	153	e300	184	135	1,840	443	387	127	57	33
3	41	e750	148	e270	175	128	1,560	389	356	122	56	33
4	40	e450	136	e250	170	123	1,760	415	321	118	55	32
5	39	296	130	e230	173	119	1,480	420	309	114	54	32
6	39	223	173	e200	167	114	1,330	705	512	111	52	31
7	44	180	662	208	178	111	1,630	924	725	109	51	30
8	44	155	5,180	218	164	109	1,780	1,190	686	106	50	30
9	98	138	10,400	211	159	107	1,790	1,720	559	107	49	29
10	85	124	4,760	205	155	105	1,430	2,770	447	111	48	36
11	63	115	2,230	206	153	103	1,470	2,450	397	109	46	57
12	53	106	1,440	197	151	102	1,440	1,630	369	101	45	44
13	48	102	1,000	188	228	99	1,210	1,160	331	96	44	38
14	45	96	920	179	248	94	1,040	877	296	93	43	35
15	43	91	e800	208	218	93	940	723	267	91	42	34
16	41	e80	e650	594	195	91	967	829	252	88	41	34
17	89	e75	e500	1,170	177	98	1,770	1,180	291	86	40	38
18	393	85	e400	2,250	166	102	1,660	1,730	266	83	40	36
19	325	90	e350	1,780	160	112	1,300	1,950	243	80	40	34
20	177	83	e300	1,190	196	125	1,030	1,350	222	78	40	33
21	140	79	e270	874	236	151	866	1,070	204	76	39	31
22	151	77	e250	659	214	166	802	878	191	76	38	30
23	1,070	75	e230	536	191	190	786	711	179	74	38	30
24	621	e65	e220	455	174	241	736	587	168	71	36	30
25	318	e150	e200	390	161	258	660	494	158	69	36	30
26	235	e260	e250	359	155	313	579	427	154	68	35	29
27	271	e200	e230	339	148	3,030	541	376	153	66	34	29
28	e200	e150	e220	297	146	3,490	521	374	157	65	33	28
29	e150	e120	e250	261	---	2,920	447	513	147	63	33	27
30	e180	121	e270	234	---	2,180	400	451	139	e58	34	27
31	e220	---	e270	214	---	1,560	---	384	---	e56	34	---
TOTAL	5,350	4,936	33,121	14,952	5,039	16,708	35,615	29,547	9,265	2,805	1,341	994
MEAN	173	165	1,068	482	180	539	1,187	953	309	90.5	43.3	33.1
MAX	1,070	750	10,400	2,250	248	3,490	1,850	2,770	725	133	58	57
MIN	39	65	129	179	146	91	400	374	139	56	33	27
AC-FT	10,610	9,790	65,700	29,660	9,990	33,140	70,640	58,610	18,380	5,560	2,660	1,970
CFSM	0.76	0.72	4.71	2.12	0.79	2.37	5.23	4.20	1.36	0.40	0.19	0.15
IN.	0.88	0.81	5.43	2.45	0.83	2.74	5.84	4.84	1.52	0.46	0.22	0.16

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1957 - 2005, BY WATER YEAR (WY)

MEAN	160	843	1,502	1,505	1,369	1,218	976	637	271	95.4	59.2	66.5
MAX	536	2,887	5,391	3,415	3,195	2,774	2,017	1,337	780	193	158	260
(WY)	(1957)	(1974)	(1965)	(1970)	(1986)	(1972)	(1993)	(1963)	(1983)	(1983)	(1976)	(1986)
MIN	31.5	56.5	62.6	108	142	211	287	165	87.5	53.5	35.9	31.2
(WY)	(1988)	(1994)	(1977)	(1977)	(1977)	(1992)	(1968)	(1992)	(1992)	(2003)	(1994)	(2001)

UMPQUA RIVER BASIN

14316700 STEAMBOAT CREEK NEAR GLIDE, OR—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1957 - 2005	
ANNUAL TOTAL	231,521		159,673			
ANNUAL MEAN	633		437		722	
HIGHEST ANNUAL MEAN					1,253	1974
LOWEST ANNUAL MEAN					239	1977
HIGHEST DAILY MEAN	10,400	Dec 9	10,400	Dec 9	33,000	Dec 22, 1964
LOWEST DAILY MEAN	36	Sep 9	27	Sep 29	26	Sep 23, 2001
ANNUAL SEVEN-DAY MINIMUM	38	Sep 6	29	Sep 24	27	Sep 18, 2001
ANNUAL RUNOFF (AC-FT)	459,200		316,700		523,400	
ANNUAL RUNOFF (CFSM)	2.79		1.93		3.18	
ANNUAL RUNOFF (INCHES)	37.94		26.17		43.24	
10 PERCENT EXCEEDS	1,690		1,190		1,740	
50 PERCENT EXCEEDS	280		174		320	
90 PERCENT EXCEEDS	45		38		46	

e Estimated

UMPQUA RIVER BASIN

14316700 STEAMBOAT CREEK NEAR GLIDE, OR—Continued



2005 Water Year UMPQUA RIVER BASIN

14316700 STEAMBOAT CREEK NEAR GLIDE, OR

Latitude: 43° 21' 00"

Longitude: 122° 43' 40"

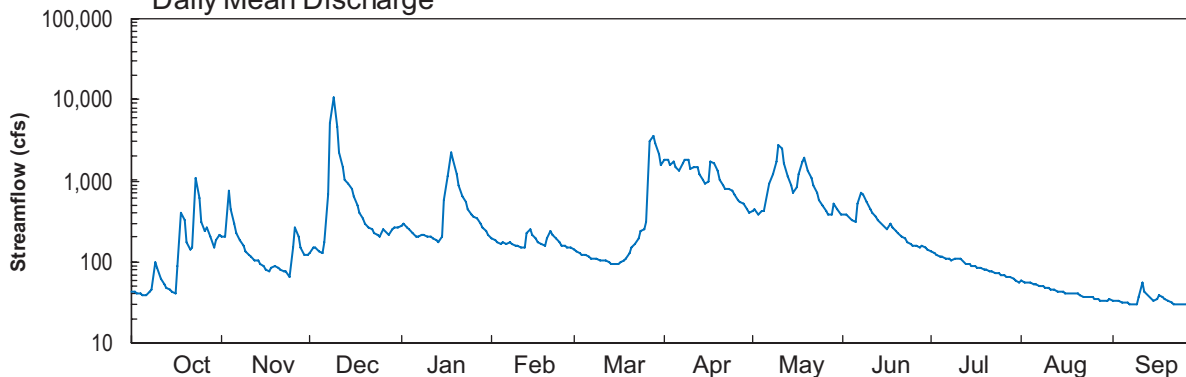
Hydrologic Unit Code: 17100301

Douglas County

Datum: 1128.55 feet

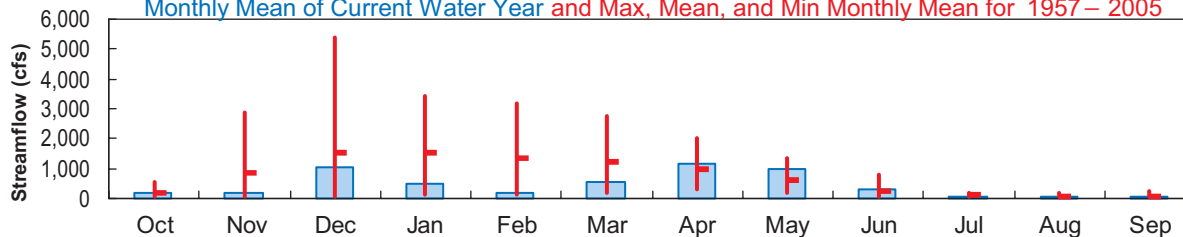
Drainage Area: 227 mi²

Daily Mean Discharge

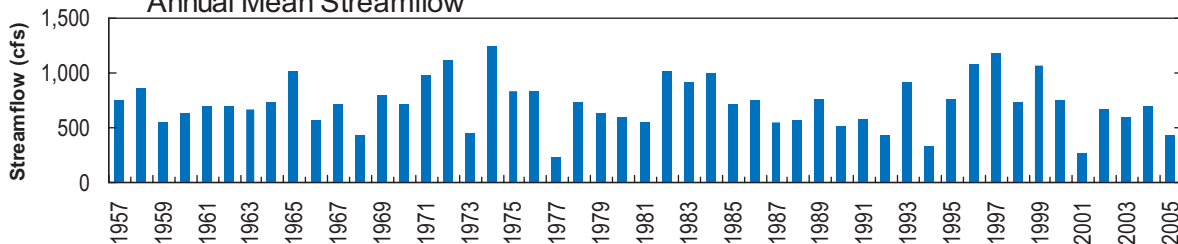


Monthly Statistics

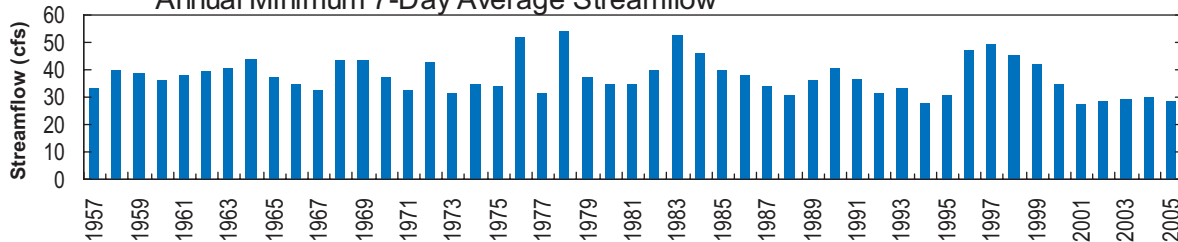
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1957 – 2005



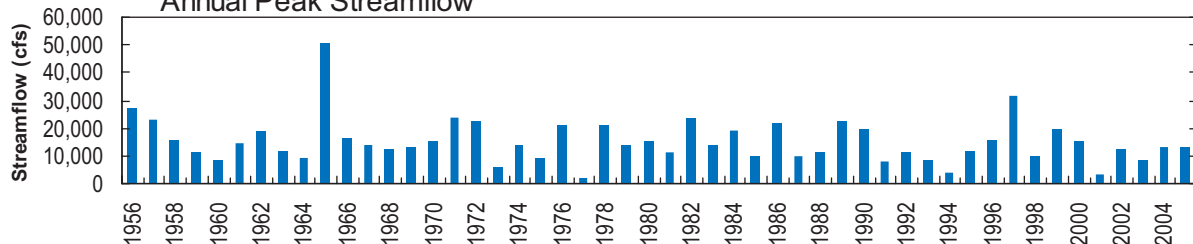
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



UMPQUA RIVER BASIN

14317450 NORTH UMPQUA RIVER NEAR IDLEYLD PARK, OR

WATER-QUALITY RECORDS

LOCATION.--Lat 43°19'29", long 122°59'55", IN SW ¼ NE ¼ sec.12, T.26 S., R.3 W., Douglas County, Hydrologic Unit 17100301, on right bank 0.5 mi upstream from Rock Creek bridge, 2 mi east of Idleyld Park and at mile 36.3.

DRAINAGE AREA.--886 mi², at former site 0.5 mi downstream.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: January 1998 to current year.

pH: January 1998 to current year.

WATER TEMPERATURE: January 1998 to current year.

DISSOLVED OXYGEN: January 1998 to current year.

TURBIDITY: October 1999 to current year. Turbidity sensor calibrated to formazin standards, prior to Apr. 14, 2005 turbidity sensor calibrated to polymer bead standards.

INSTRUMENTATION.--Water-quality monitor and data logger since January 1998.

REMARKS.--

SPECIFIC CONDUCTANCE: Records excellent except those for the periods Aug. 14-17, Aug. 31 to Sept. 6, which are good.

pH: Records fair.

WATER TEMPERATURE: Records excellent.

DISSOLVED OXYGEN: Records good except those for the periods June 16-27, July 18-22, which are poor.

TURBIDITY: Records good except those for the periods Oct. 1 to Apr. 14, July 22 to Sept. 15, which are poor. Turbidity data are highly dependent on the instrumentation used for the measurement. See the "Definitions" section for turbidity in the front of this report.

EXTREMES FOR PERIOD OF RECORD.--

SPECIFIC CONDUCTANCE: Maximum recorded, 76 microsiemens June 22, 2001; minimum recorded, 26 microsiemens Nov. 21, 1998, but may have been lower during period of missing record.

pH: Maximum, 9.8 units July 25, 2004; minimum recorded, 6.1 units Dec. 18, 1999, but may have been lower during period of missing record.

WATER TEMPERATURE: Maximum, 21.4°C July 30, 2003, July 19, 2005; minimum recorded, 2.1°C Jan. 5, 2005.

DISSOLVED OXYGEN: Maximum recorded, 14.5 mg/L Feb. 10, 1999, but may have been higher during period of missing record; minimum recorded, 6.4 mg/L Aug. 14, 2001.

TURBIDITY: Maximum recorded, 220 FNU Dec. 14, 2001; minimum, <1 FNU many days each year.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 70 microsiemens many days during August and September; minimum, 31 microsiemens Dec. 9.

pH: Maximum recorded, 8.7 units June 26, but may have been higher during period of missing record; minimum, 7.1 units Dec. 9, 10.

WATER TEMPERATURE: Maximum, 21.4°C July 19; minimum, 2.1°C Jan. 5.

DISSOLVED OXYGEN: Maximum recorded, 13.8 mg/L Jan. 5; minimum, 8.2 mg/L July 218, 22, 3.

TURBIDITY: Maximum, 93 FNU Dec. 9; minimum, <1 FNU many days during year.

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	66	65	66	60	58	59	63	62	63	56	55	55
2	67	65	66	60	59	59	63	62	63	56	55	56
3	67	65	65	59	55	58	63	62	63	57	56	56
4	66	65	65	57	55	56	64	63	63	57	56	57
5	66	65	65	58	57	57	64	63	63	58	56	57
6	66	65	65	58	57	58	64	58	62	59	57	58
7	67	65	66	59	57	57	59	57	58	59	57	58
8	67	65	66	60	59	59	57	35	46	58	57	58
9	68	65	66	60	59	60	35	31	33	58	57	58
10	69	67	68	61	60	60	38	33	35	59	57	58
11	68	65	66	61	60	61	41	38	40	60	58	59
12	67	65	66	61	61	61	43	41	42	60	59	59
13	67	65	66	62	60	61	46	43	44	60	59	60
14	67	65	66	61	60	61	46	45	46	60	59	60
15	67	64	66	62	61	61	47	45	45	60	59	60
16	68	66	66	63	61	61	48	47	47	59	54	58
17	68	63	65	63	62	62	49	48	49	54	49	51
18	67	64	66	63	62	62	51	49	50	49	42	45
19	65	61	62	63	62	63	52	50	51	45	43	44
20	63	61	62	63	62	63	52	51	52	47	45	46
21	64	61	62	64	62	63	52	52	52	49	47	48
22	64	61	62	64	62	63	54	52	52	50	49	50
23	62	53	58	64	63	63	54	53	54	52	50	52
24	55	53	54	64	63	63	55	53	54	53	51	52
25	58	55	57	64	61	63	55	53	54	54	52	53
26	62	58	59	65	62	64	54	54	54	54	53	54
27	61	60	60	62	60	61	55	54	55	54	52	53
28	61	59	60	62	61	62	55	54	55	54	52	53
29	60	59	60	63	61	62	56	54	55	55	54	54
30	60	59	60	63	62	63	56	55	55	55	54	54
31	60	59	60	---	---	---	56	55	55	56	54	55
MONTH	69	53	63	65	55	61	64	31	52	60	42	55

UMPQUA RIVER BASIN

14317450 NORTH UMPQUA RIVER NEAR IDLEYLD PARK, OR—Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	56	55	55	60	59	60	48	46	47	50	49	49
2	58	55	56	60	58	59	46	45	45	50	49	49
3	58	55	56	60	59	59	47	46	46	50	49	50
4	58	56	57	60	59	60	47	46	46	51	50	51
5	58	57	57	61	60	60	48	47	47	51	48	50
6	57	57	57	62	60	60	49	48	49	50	48	49
7	58	56	57	62	60	61	49	45	46	49	47	48
8	59	57	58	62	60	61	46	45	45	49	47	48
9	59	57	58	62	60	61	46	45	45	48	45	46
10	59	58	58	62	61	61	47	46	46	46	44	45
11	59	58	59	62	61	61	48	46	47	47	45	45
12	59	59	59	62	61	61	47	46	46	48	46	47
13	59	58	58	62	61	61	48	47	47	48	47	48
14	58	57	58	62	61	61	49	47	48	49	48	49
15	60	57	58	62	61	61	50	49	49	50	49	49
16	59	58	58	62	61	61	51	50	50	50	48	49
17	59	58	59	62	61	62	50	44	46	48	46	47
18	60	59	59	62	61	62	47	45	45	48	45	47
19	60	59	60	62	61	61	48	46	47	46	44	45
20	60	59	59	62	61	61	49	48	48	48	46	47
21	60	59	59	62	60	60	50	49	49	48	47	48
22	59	58	58	61	60	60	50	49	49	49	48	49
23	59	58	58	60	59	60	50	48	49	50	49	50
24	60	58	59	60	59	59	49	48	48	51	50	50
25	60	59	59	60	58	59	49	48	48	52	51	52
26	60	59	60	59	58	59	49	48	49	54	52	53
27	60	59	60	58	40	51	50	49	49	54	53	53
28	60	59	60	44	40	42	50	47	48	55	53	54
29	---	---	---	46	44	45	48	47	48	54	53	53
30	---	---	---	48	46	46	49	48	49	53	52	53
31	---	---	---	48	47	48	---	---	---	55	53	54
MONTH	60	55	58	62	40	58	51	44	47	55	44	49
	JUNE			JULY			AUGUST			SEPTEMBER		
1	55	54	54	62	61	62	69	68	69	70	69	70
2	55	54	54	63	61	62	69	69	69	70	69	70
3	55	54	55	63	62	62	70	69	69	70	69	70
4	56	55	55	63	62	63	70	69	69	70	68	69
5	56	55	56	63	62	62	70	68	69	69	68	69
6	55	53	55	63	63	63	69	69	69	69	68	69
7	53	51	52	64	63	64	69	69	69	69	68	68
8	52	51	52	64	63	63	70	69	69	69	67	68
9	55	52	54	64	63	64	70	69	69	69	67	68
10	55	54	55	64	63	63	70	69	69	68	66	67
11	55	54	55	65	63	64	70	69	69	70	67	68
12	55	55	55	65	64	64	69	68	69	69	67	68
13	56	55	55	65	65	65	69	68	69	67	67	67
14	57	56	56	66	65	66	68	68	68	67	67	67
15	58	56	57	67	66	66	68	68	68	68	67	67
16	58	56	57	67	66	66	68	67	68	68	67	67
17	58	57	57	67	66	67	68	68	68	68	66	67
18	58	56	57	67	66	67	69	68	68	69	67	68
19	58	56	57	66	66	66	69	69	69	67	66	67
20	58	57	58	67	66	66	70	68	69	69	67	68
21	59	58	59	66	66	66	69	68	69	68	67	68
22	60	59	60	67	65	66	70	69	70	67	67	67
23	61	60	60	67	67	67	70	69	70	67	66	67
24	61	60	60	67	67	67	70	70	70	67	66	66
25	61	60	61	68	67	67	70	69	70	67	66	66
26	62	60	61	68	68	68	70	68	69	66	65	65
27	62	60	60	69	68	68	70	69	70	65	65	65
28	62	60	60	68	68	68	70	69	70	67	65	66
29	61	60	60	68	68	68	70	69	70	67	66	66
30	62	60	61	69	68	68	70	69	69	67	66	66
31	---	---	---	69	68	69	70	69	69	---	---	---
MONTH	62	51	57	69	61	65	70	67	69	70	65	67
YEAR	70	31	59									

UMPQUA RIVER BASIN

14317450 NORTH UMPQUA RIVER NEAR IDLEYLD PARK, OR—Continued

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

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	8.1	7.6	7.7	8.1	7.7	7.8	8.0	7.7	7.8	7.7	7.7	7.7
2	8.1	7.6	7.7	8.1	7.7	7.8	8.0	7.7	7.8	7.7	7.6	7.7
3	8.1	7.6	7.8	7.9	7.7	7.8	8.0	7.7	7.8	7.7	7.6	7.7
4	8.1	7.6	7.8	7.8	7.7	7.7	8.0	7.7	7.8	7.7	7.6	7.7
5	8.1	7.6	7.8	7.9	7.7	7.8	8.0	7.8	7.8	7.7	7.5	7.5
6	8.3	---	7.5	7.9	7.7	7.8	7.9	7.7	7.8	7.7	7.6	7.6
7	8.1	7.7	7.8	8.0	7.7	7.8	7.7	7.6	7.7	7.7	7.6	7.7
8	8.3	7.7	7.8	7.9	7.7	7.8	7.7	7.3	7.5	7.7	7.6	7.7
9	8.2	7.7	7.8	8.2	7.7	7.9	7.3	7.1	7.2	7.8	7.6	7.7
10	8.1	7.7	7.8	8.1	7.8	7.8	7.3	7.1	7.2	7.8	7.6	7.7
11	8.1	7.7	7.8	8.1	7.8	7.8	7.4	7.3	7.3	7.8	7.7	7.7
12	8.2	7.7	7.8	8.2	7.8	7.9	7.5	7.4	7.4	7.8	7.6	7.7
13	8.1	7.7	7.8	8.1	7.8	7.8	7.5	7.5	7.5	7.8	7.7	7.7
14	8.1	7.7	7.8	8.2	7.8	7.9	7.6	7.5	7.5	7.8	7.7	7.7
15	8.2	7.7	7.8	8.1	7.8	7.8	7.6	7.5	7.5	7.8	7.7	7.7
16	8.1	7.7	7.9	8.0	---	7.3	7.6	7.5	7.6	7.8	7.6	7.7
17	8.0	7.7	7.8	8.0	7.7	7.8	7.7	7.5	7.6	7.6	7.5	7.6
18	8.0	7.8	7.8	8.0	7.7	7.8	7.6	7.6	7.6	7.5	7.4	7.5
19	8.1	7.8	7.8	8.0	7.7	7.8	7.6	7.5	7.6	7.6	7.4	7.5
20	8.3	7.8	7.9	8.0	7.7	7.8	7.7	7.5	7.6	7.6	7.5	7.5
21	8.2	7.8	7.9	7.9	7.7	7.8	7.7	7.6	7.6	7.7	7.5	7.6
22	8.1	7.8	7.8	8.0	7.7	7.8	7.7	7.6	7.6	7.8	7.6	7.6
23	7.8	7.7	7.8	8.0	7.7	7.8	7.7	7.6	7.6	7.8	7.6	7.7
24	7.9	7.7	7.8	8.0	7.7	7.8	7.7	7.6	7.6	7.8	7.6	7.7
25	8.1	7.7	7.8	8.0	7.7	7.8	7.7	7.6	7.6	8.1	7.6	7.7
26	8.2	---	7.3	8.0	7.8	7.8	7.7	7.6	7.6	8.1	7.9	7.9
27	8.2	7.7	7.8	8.0	7.7	7.8	7.7	7.6	7.7	8.1	7.9	8.0
28	8.2	7.7	7.8	8.0	7.8	7.8	7.7	7.6	7.7	8.1	7.9	7.9
29	8.2	7.7	7.8	8.0	7.7	7.8	7.7	7.6	7.7	8.1	7.9	8.0
30	8.2	7.8	7.8	8.0	7.7	7.8	7.8	7.7	7.7	8.1	7.9	8.0
31	8.1	7.7	7.8	---	---	---	7.8	7.7	7.7	8.1	7.9	8.0
MAX	8.3	7.8	7.9	8.2	7.8	7.9	8.0	7.8	7.8	8.1	7.9	8.0
MIN	7.8	7.6	7.3	7.8	7.7	7.3	7.3	7.1	7.2	7.5	7.4	7.5
FEBRUARY			MARCH			APRIL			MAY			
1	8.0	7.9	7.9	8.1	7.9	7.9	7.8	7.7	7.7	8.4	8.0	8.1
2	8.0	7.9	8.0	8.1	7.8	7.9	7.8	7.7	7.7	8.4	8.1	8.2
3	8.0	7.9	7.9	8.1	7.8	7.9	7.8	7.7	7.7	8.4	8.1	8.2
4	8.1	7.9	7.9	8.0	7.8	7.9	7.8	7.7	7.8	8.4	8.1	8.2
5	8.1	7.9	8.0	8.1	7.8	7.9	7.9	7.7	7.8	8.5	8.1	8.3
6	8.1	7.9	8.0	8.0	7.8	7.9	7.9	7.7	7.7	8.4	8.2	8.3
7	8.1	8.0	8.0	8.0	7.8	7.9	7.8	7.7	7.7	8.4	8.2	8.3
8	8.1	7.9	8.0	8.0	7.8	7.9	7.9	7.7	7.8	8.4	8.2	8.2
9	8.1	7.9	8.0	8.0	7.8	7.9	7.9	7.7	7.8	8.2	8.1	8.2
10	8.1	7.9	8.0	8.0	7.8	7.9	7.9	7.7	7.8	8.1	8.1	8.1
11	8.1	7.9	8.0	8.0	7.8	7.9	7.9	7.7	7.8	8.2	8.1	8.1
12	8.1	7.9	8.0	8.0	7.8	7.9	7.9	7.7	7.8	8.3	8.1	8.1
13	8.1	7.9	8.0	8.0	7.8	7.9	8.1	7.6	7.7	8.3	8.0	8.1
14	8.1	7.9	8.0	8.0	7.8	7.9	8.1	7.9	8.0	8.3	8.0	8.1
15	8.1	7.9	8.0	8.0	7.8	7.9	8.1	7.9	8.0	8.2	7.9	8.1
16	8.1	7.9	8.0	8.1	7.8	7.9	8.1	7.9	8.0	8.3	8.0	8.1
17	8.0	7.9	8.0	8.1	7.8	7.9	8.1	7.9	8.0	8.2	8.0	8.1
18	8.1	7.9	8.0	8.1	7.8	7.9	8.1	7.9	8.0	8.2	8.0	8.1
19	8.1	7.9	8.0	8.1	7.8	7.9	8.2	7.9	8.0	8.2	8.0	8.0
20	8.1	7.9	8.0	8.0	7.8	7.9	8.2	7.9	8.0	8.2	8.0	8.0
21	8.0	7.9	8.0	8.1	7.8	7.9	8.2	8.0	8.1	8.2	8.0	8.1
22	8.0	7.7	7.7	8.1	7.8	7.9	8.2	8.0	8.0	8.3	8.0	8.0
23	8.0	7.9	7.9	8.1	7.9	7.9	8.2	8.0	8.1	8.2	7.9	8.0
24	8.0	7.9	7.9	8.1	7.9	8.0	8.3	8.0	8.1	8.2	7.9	8.0
25	8.0	7.9	7.9	8.1	7.9	8.0	8.3	8.0	8.1	8.2	7.9	8.0
26	8.0	7.9	7.9	8.0	7.8	7.9	8.3	8.0	8.1	8.2	7.8	8.0
27	8.1	7.9	7.9	7.8	7.6	7.8	8.3	8.0	8.1	8.3	7.8	8.0
28	8.1	7.9	7.9	7.7	7.6	7.6	8.3	8.0	8.1	8.1	7.8	7.9
29	---	---	---	7.7	7.6	7.6	8.3	8.0	8.1	8.2	7.9	7.9
30	---	---	---	7.7	7.6	7.7	8.3	8.1	8.2	8.3	7.8	8.0
31	---	---	---	7.8	7.7	7.7	---	---	---	8.3	7.8	8.0
MAX	8.1	8.0	8.0	8.1	7.9	8.0	8.3	8.1	8.2	8.5	8.2	8.3
MIN	8.0	7.7	7.7	7.7	7.6	7.6	7.8	7.6	7.7	8.1	7.8	7.9

UMPQUA RIVER BASIN

14317450 NORTH UMPQUA RIVER NEAR IDLEYLD PARK, OR—Continued

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

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	8.3	7.8	8.0	---	---	---	---	---	---	---	---	---
2	8.3	7.8	8.0	---	---	---	---	---	---	---	---	---
3	8.3	7.8	8.0	---	---	---	---	---	---	---	---	---
4	8.3	7.8	8.0	---	---	---	---	---	---	---	---	---
5	8.2	7.8	8.0	---	---	---	---	---	---	---	---	---
6	8.2	7.8	7.9	---	---	---	---	---	---	---	---	---
7	8.2	7.8	7.9	---	---	---	---	---	---	---	---	---
8	8.2	7.8	7.9	---	---	---	---	---	---	---	---	---
9	8.2	7.7	7.9	---	---	---	---	---	---	---	---	---
10	8.2	7.7	7.9	---	---	---	---	---	---	---	---	---
11	8.2	7.7	7.9	---	---	---	---	---	---	---	---	---
12	8.2	7.7	7.9	---	---	---	---	---	---	---	---	---
13	8.2	7.6	7.9	---	---	---	---	---	---	---	---	---
14	8.3	7.6	7.8	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	8.5	7.7	8.0
17	8.1	7.6	7.8	---	---	---	---	---	---	8.4	7.8	8.0
18	8.1	7.6	7.8	---	---	---	---	---	---	8.2	7.7	7.9
19	8.2	7.6	7.8	---	---	---	---	---	---	8.2	7.7	7.9
20	8.2	7.6	7.9	---	---	---	---	---	---	8.3	7.7	7.9
21	8.4	7.7	7.9	---	---	---	---	---	---	8.2	7.7	7.9
22	8.5	7.7	7.9	---	---	---	---	---	---	8.3	7.7	7.9
23	8.5	7.7	8.0	---	---	---	---	---	---	8.3	7.7	7.9
24	8.6	7.7	8.0	---	---	---	---	---	---	8.2	7.7	7.9
25	8.6	7.7	8.0	---	---	---	---	---	---	8.1	7.7	7.8
26	8.7	7.7	8.1	---	---	---	---	---	---	8.2	7.7	7.8
27	8.6	7.7	8.0	---	---	---	---	---	---	8.1	7.7	7.8
28	8.6	7.8	8.1	---	---	---	---	---	---	8.2	7.7	7.8
29	---	---	---	---	---	---	---	---	---	8.1	7.7	7.8
30	---	---	---	---	---	---	---	---	---	8.4	7.7	7.9
31	---	---	---	---	---	---	---	---	---	---	---	---
MAX	8.7	7.8	8.1	---	---	---	---	---	---	8.5	7.8	8.0
MIN	8.1	7.6	7.8	---	---	---	---	---	---	8.1	7.7	7.8

UMPQUA RIVER BASIN

14317450 NORTH UMPQUA RIVER NEAR IDLEYLD PARK, OR—Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	13.1	12.0	12.5	7.2	6.8	7.0	4.8	4.3	4.5	4.7	4.2	4.5
2	12.7	11.5	12.0	7.5	7.2	7.4	4.7	4.4	4.5	4.2	3.9	4.1
3	12.4	11.3	11.7	7.8	7.5	7.6	4.5	4.0	4.2	3.9	3.2	3.5
4	12.2	11.1	11.5	7.5	6.0	6.6	4.0	3.6	3.8	3.2	2.3	2.8
5	12.0	10.8	11.3	6.0	5.3	5.6	4.3	3.7	4.0	2.5	2.1	2.3
6	12.1	10.9	11.4	5.5	5.2	5.3	4.4	4.1	4.2	3.0	2.3	2.7
7	12.2	11.2	11.6	5.5	5.2	5.3	5.0	4.2	4.6	3.4	2.9	3.2
8	11.8	11.2	11.4	5.5	5.2	5.4	7.7	5.0	6.2	3.2	2.6	3.0
9	11.8	10.9	11.2	6.5	5.5	6.1	8.2	7.7	8.0	2.8	2.4	2.6
10	11.2	10.3	10.8	6.8	6.2	6.6	8.2	8.0	8.1	3.3	2.8	3.1
11	10.4	9.7	10.1	7.0	6.7	6.8	8.1	7.9	8.0	3.6	3.1	3.4
12	10.3	9.4	9.8	7.0	6.5	6.7	8.0	7.3	7.6	3.8	3.3	3.5
13	10.6	9.7	10.1	7.3	6.7	6.9	7.3	7.1	7.2	3.8	3.4	3.7
14	10.6	9.8	10.1	7.0	6.6	6.8	7.5	7.2	7.3	3.7	3.4	3.6
15	10.8	9.8	10.3	7.0	6.6	6.8	7.4	5.7	6.6	4.3	3.7	4.1
16	10.6	9.8	10.2	7.3	6.9	7.0	5.7	4.9	5.2	5.0	4.3	4.7
17	9.9	9.3	9.8	7.0	6.1	6.6	5.4	4.8	5.1	5.9	5.0	5.4
18	9.3	9.0	9.2	6.4	6.0	6.1	5.4	5.2	5.3	6.7	5.9	6.2
19	9.1	8.8	9.0	6.3	5.5	5.9	5.7	5.2	5.4	6.7	6.3	6.5
20	9.2	8.8	9.0	5.5	4.7	5.1	5.7	5.4	5.6	6.5	5.9	6.2
21	9.2	8.8	9.1	4.7	3.6	4.2	5.4	4.6	4.9	5.9	5.2	5.5
22	9.1	8.9	9.0	4.0	3.3	3.7	4.7	4.3	4.5	5.5	5.1	5.3
23	9.1	8.9	9.0	4.9	3.8	4.3	4.8	3.8	4.3	5.7	5.5	5.6
24	9.0	8.2	8.5	6.2	4.8	5.5	3.8	3.0	3.4	5.6	5.1	5.3
25	8.2	7.4	7.7	6.8	6.0	6.5	3.4	2.9	3.1	6.0	5.1	5.4
26	7.9	7.4	7.6	6.8	6.4	6.6	4.1	3.4	3.9	6.5	6.0	6.2
27	7.6	7.3	7.5	6.4	5.8	6.1	4.5	4.1	4.3	6.5	6.3	6.4
28	7.9	7.4	7.7	5.8	4.7	5.3	4.6	4.2	4.3	6.4	5.9	6.1
29	8.0	7.7	7.9	4.7	3.6	4.1	5.0	4.5	4.8	6.2	5.5	6.0
30	7.9	7.6	7.8	4.3	3.6	4.0	5.1	4.9	5.0	5.5	4.7	5.0
31	7.8	7.2	7.6	---	---	---	4.9	4.5	4.6	4.8	4.4	4.6
MONTH	13.1	7.2	9.8	7.8	3.3	5.9	8.2	2.9	5.2	6.7	2.1	4.5
FEBRUARY			MARCH			APRIL			MAY			
1	4.5	3.9	4.2	6.9	6.5	6.8	7.7	7.0	7.4	11.9	10.4	10.9
2	3.9	3.5	3.8	7.5	6.5	7.0	7.9	7.1	7.6	11.5	10.0	10.7
3	4.1	3.6	3.9	6.9	6.2	6.6	7.9	6.8	7.3	12.0	10.3	11.1
4	4.8	3.9	4.4	7.2	6.4	6.9	7.3	6.3	6.8	12.4	11.1	11.7
5	5.5	4.8	5.3	7.8	6.8	7.2	7.7	6.6	7.1	12.3	11.4	11.8
6	5.3	4.8	5.1	7.8	6.8	7.3	8.8	7.3	8.0	11.7	10.3	10.8
7	5.0	4.5	4.8	8.0	6.9	7.4	8.9	7.7	8.3	10.7	9.7	10.3
8	4.5	3.9	4.1	8.4	7.1	7.8	7.7	6.8	7.1	10.7	10.0	10.4
9	4.1	3.6	3.9	8.6	7.5	8.1	7.9	7.0	7.4	10.4	8.5	9.4
10	3.7	3.3	3.6	9.1	7.8	8.3	8.3	6.9	7.7	8.8	8.0	8.4
11	3.7	3.2	3.4	9.3	8.0	8.6	8.7	8.0	8.4	10.1	8.4	9.1
12	4.2	3.3	3.8	9.5	8.2	8.8	8.4	7.2	7.7	11.1	9.3	10.1
13	5.2	4.2	4.8	8.9	7.7	8.4	7.3	6.2	6.7	11.4	9.9	10.7
14	4.9	4.4	4.7	8.3	7.1	7.7	7.5	6.0	6.8	12.4	10.7	11.6
15	4.4	3.2	3.8	8.0	6.7	7.3	7.5	6.2	6.9	12.2	11.5	11.8
16	3.3	2.8	3.1	7.6	6.9	7.2	8.1	7.4	7.8	11.6	10.4	11.0
17	3.5	2.8	3.2	8.0	7.0	7.6	8.1	7.3	7.6	10.4	9.2	9.6
18	4.2	3.3	3.8	8.4	7.6	8.0	7.8	6.6	7.2	10.3	9.0	9.6
19	5.4	4.0	4.9	8.6	7.9	8.3	8.5	6.7	7.6	10.2	9.3	9.8
20	6.4	5.3	5.9	8.4	7.8	8.3	9.4	7.3	8.4	10.2	9.4	9.9
21	6.4	5.9	6.2	8.0	7.6	7.8	10.4	7.9	9.1	10.0	9.3	9.7
22	6.0	5.3	5.6	8.7	7.6	8.1	10.8	8.8	9.9	11.7	9.6	10.6
23	5.6	4.9	5.3	8.3	7.7	8.1	10.2	9.1	9.4	11.8	9.7	10.9
24	5.8	5.1	5.4	7.8	7.3	7.6	9.7	8.8	9.2	12.3	9.7	11.1
25	6.4	5.5	6.0	7.7	7.0	7.4	10.7	8.9	9.7	13.6	10.6	12.1
26	6.8	5.9	6.4	7.3	7.1	7.2	11.2	9.4	10.4	14.8	12.1	13.5
27	6.9	6.0	6.5	7.7	7.1	7.5	11.4	9.7	10.7	16.0	13.3	14.7
28	7.3	6.5	6.9	7.6	6.7	7.3	11.2	10.1	10.6	15.9	12.6	13.8
29	---	---	---	6.7	6.0	6.4	10.6	9.4	9.9	12.6	11.7	12.3
30	---	---	---	7.2	6.3	6.7	12.0	9.7	10.7	12.7	11.7	12.2
31	---	---	---	7.7	6.1	6.9	---	---	---	12.9	12.0	12.6
MONTH	7.3	2.8	4.7	9.5	6.0	7.6	12.0	6.0	8.3	16.0	8.0	11.0

UMPQUA RIVER BASIN

14317450 NORTH UMPQUA RIVER NEAR IDLEYLD PARK, OR—Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	12.7	11.7	12.4	17.5	17.1	17.3	20.2	18.6	19.2	17.1	14.9	15.9
2	12.3	11.3	11.9	17.5	16.6	17.1	20.3	17.8	18.9	16.9	15.1	16.0
3	13.4	11.1	12.3	18.0	16.6	17.2	20.1	17.8	18.8	16.4	15.3	15.9
4	13.6	11.8	12.9	18.2	16.3	17.1	20.8	17.7	19.0	16.1	14.3	15.3
5	13.6	12.1	12.6	18.6	16.7	17.5	21.0	18.3	19.4	15.7	14.1	14.9
6	12.2	10.5	11.1	18.6	17.3	17.8	20.9	18.3	19.4	15.6	13.7	14.5
7	10.6	9.4	10.0	18.9	17.2	17.9	20.8	18.5	19.4	15.7	13.8	14.7
8	12.1	9.4	10.6	18.4	16.9	17.7	21.0	18.4	19.5	15.9	14.1	14.9
9	13.2	10.8	12.0	17.7	16.6	17.1	20.6	18.2	19.2	15.1	14.4	14.7
10	13.8	11.9	12.8	17.0	16.3	16.7	20.2	17.9	18.9	14.4	13.0	13.7
11	13.8	12.4	12.9	18.3	16.0	17.1	19.7	17.4	18.4	13.9	12.5	13.1
12	13.6	11.6	12.6	18.4	17.4	17.8	19.3	17.0	18.0	13.7	12.5	13.0
13	14.4	12.4	13.4	19.6	17.7	18.4	19.6	16.9	18.1	13.8	12.1	12.8
14	14.3	12.8	13.6	19.8	17.8	18.6	19.8	17.3	18.4	14.1	12.2	13.0
15	14.4	12.9	13.6	20.7	18.4	19.3	19.5	17.2	18.2	14.1	12.6	13.2
16	14.4	13.2	13.6	20.7	18.7	19.5	19.5	17.2	18.2	13.6	12.5	13.0
17	13.2	12.1	12.5	21.0	18.7	19.6	19.3	17.0	17.9	13.9	12.5	13.1
18	12.8	11.8	12.2	21.2	19.1	19.7	19.2	16.9	17.9	13.5	12.2	12.8
19	13.9	11.7	12.7	21.4	19.1	20.0	19.2	16.8	17.9	13.4	11.9	12.5
20	15.2	12.9	14.0	20.9	18.8	19.6	19.5	17.0	18.1	13.4	12.0	12.5
21	15.8	14.6	15.2	20.5	18.6	19.3	19.4	17.3	18.2	13.2	11.9	12.4
22	16.1	15.1	15.6	20.4	18.4	19.2	19.3	17.4	18.3	12.8	11.6	12.1
23	16.3	14.8	15.6	20.7	18.7	19.4	18.6	16.8	17.7	12.9	11.5	12.1
24	16.6	15.3	16.0	20.5	18.3	19.1	18.0	16.0	16.9	11.9	10.9	11.4
25	16.8	15.7	16.3	20.0	17.6	18.5	18.3	15.8	16.9	11.4	10.2	10.8
26	16.6	15.5	16.1	20.2	17.5	18.6	18.2	16.2	17.1	11.4	10.0	10.6
27	15.8	14.5	15.3	20.6	17.9	19.0	18.1	16.1	17.0	11.9	10.2	10.9
28	16.5	14.2	15.2	20.8	18.3	19.2	17.6	15.7	16.6	12.2	10.7	11.4
29	16.9	14.9	15.8	21.0	18.5	19.5	16.9	15.7	16.3	12.3	11.0	11.5
30	18.2	16.2	17.0	20.8	18.3	19.3	16.4	14.4	15.5	12.7	11.1	11.9
31	---	---	---	21.1	18.4	19.5	16.8	14.7	15.7	---	---	---
MONTH	18.2	9.4	13.6	21.4	16.0	18.5	21.0	14.4	18.0	17.1	10.0	13.2
YEAR	21.4	2.1	10.1									

UMPQUA RIVER BASIN

14317450 NORTH UMPQUA RIVER NEAR IDLEYLD PARK, OR—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	---	---	---	---	---	---	---	---	---	12.8	12.6	12.7
2	---	---	---	---	---	---	---	---	---	13.1	12.8	12.9
3	---	---	---	---	---	---	---	---	---	13.2	12.9	13.1
4	---	---	---	---	---	---	---	---	---	13.5	13.1	13.3
5	---	---	---	---	---	---	---	---	---	13.8	13.5	13.7
6	---	---	---	---	---	---	---	---	---	13.7	13.2	13.5
7	---	---	---	---	---	---	---	---	---	13.2	12.8	13.0
8	---	---	---	---	---	---	12.3	12.1	12.2	13.2	12.9	13.1
9	---	---	---	---	---	---	12.1	11.9	12.0	13.6	13.2	13.4
10	---	---	---	---	---	---	11.9	11.7	11.8	13.4	13.2	13.3
11	---	---	---	---	---	---	11.7	11.6	11.7	13.3	13.1	13.2
12	---	---	---	---	---	---	11.8	11.6	11.7	13.5	13.2	13.3
13	---	---	---	---	---	---	12.0	11.8	11.9	13.5	13.2	13.3
14	---	---	---	---	---	---	12.1	11.9	12.0	13.5	13.3	13.4
15	---	---	---	---	---	---	12.5	12.0	12.3	13.3	13.1	13.2
16	---	---	---	---	---	---	12.8	12.5	12.7	13.1	12.8	13.0
17	---	---	---	---	---	---	12.8	12.6	12.7	12.9	12.6	12.8
18	---	---	---	---	---	---	12.7	12.6	12.6	12.7	12.4	12.5
19	---	---	---	---	---	---	12.7	12.5	12.6	12.6	12.3	12.4
20	---	---	---	---	---	---	12.6	12.5	12.6	12.6	12.3	12.4
21	---	---	---	---	---	---	12.9	12.6	12.8	12.8	12.5	12.6
22	---	---	---	---	---	---	13.1	12.8	13.0	12.9	12.6	12.7
23	---	---	---	---	---	---	13.1	12.8	13.0	12.8	12.5	12.6
24	---	---	---	---	---	---	13.4	13.1	13.3	12.9	12.5	12.7
25	---	---	---	---	---	---	13.4	13.0	13.3	12.8	12.3	12.6
26	---	---	---	---	---	---	13.0	12.8	12.9	12.4	12.2	12.3
27	---	---	---	---	---	---	12.8	12.7	12.7	12.4	12.1	12.2
28	---	---	---	---	---	---	12.9	12.6	12.8	12.6	12.1	12.3
29	---	---	---	---	---	---	12.6	12.4	12.6	12.7	12.3	12.6
30	---	---	---	---	---	---	12.6	12.4	12.5	13.1	12.7	12.9
31	---	---	---	---	---	---	12.7	12.5	12.6	13.2	12.9	13.1
MONTH	---	---	---	---	---	---	13.4	11.6	12.5	13.8	12.1	12.9
FEBRUARY			MARCH			APRIL			MAY			
1	13.4	13.0	13.2	12.3	12.1	12.2	12.5	12.1	12.3	11.3	10.8	11.1
2	13.5	13.2	13.4	12.3	12.2	12.2	12.3	11.9	12.2	11.4	10.9	11.1
3	13.4	13.1	13.3	12.5	12.2	12.3	12.3	11.9	12.1	11.3	10.7	11.1
4	13.2	12.9	13.1	12.4	12.2	12.3	12.6	12.2	12.4	11.1	10.6	10.9
5	12.9	12.7	12.8	12.4	12.2	12.3	12.5	12.0	12.3	11.0	10.2	10.6
6	12.9	12.6	12.7	12.4	12.1	12.2	12.2	11.6	12.0	10.6	10.2	10.4
7	13.0	12.7	12.9	12.3	12.1	12.2	12.1	11.6	11.8	10.8	10.4	10.6
8	13.3	12.9	13.2	12.3	12.0	12.1	12.2	11.9	12.1	10.8	10.4	10.6
9	13.4	13.1	13.3	12.2	11.9	12.0	12.3	12.0	12.1	11.1	10.5	10.8
10	13.5	13.2	13.3	12.1	11.8	11.9	12.3	11.7	12.1	11.3	11.1	11.2
11	13.4	13.2	13.3	11.9	11.7	11.8	12.0	11.6	11.8	11.3	10.8	11.1
12	13.3	13.0	13.2	11.9	11.6	11.7	12.1	11.6	11.9	11.1	10.5	10.8
13	13.0	12.8	12.9	12.1	11.7	11.9	12.5	11.9	12.2	10.9	10.4	10.7
14	13.1	12.8	13.0	12.3	11.9	12.1	12.6	12.1	12.3	10.7	10.1	10.5
15	13.4	13.0	13.2	12.4	12.1	12.2	12.5	11.9	12.2	10.5	10.1	10.3
16	13.6	13.3	13.5	12.3	12.1	12.2	12.1	11.6	11.9	10.7	10.3	10.5
17	13.6	13.3	13.5	12.2	11.9	12.1	12.2	11.6	12.0	11.1	10.6	10.9
18	13.3	12.9	13.1	12.0	11.7	11.9	12.6	12.0	12.3	11.0	10.7	10.8
19	12.9	12.4	12.7	11.7	11.6	11.6	12.5	11.7	12.2	11.1	10.7	11.0
20	12.5	12.2	12.4	11.8	11.5	11.7	12.1	11.4	11.8	11.2	10.8	11.0
21	12.5	12.2	12.4	12.1	11.8	12.0	12.0	11.1	11.6	11.3	10.8	11.1
22	12.7	12.3	12.6	11.9	11.5	11.8	11.6	10.9	11.3	11.1	10.5	10.9
23	12.8	12.6	12.7	11.9	11.5	11.7	11.6	11.0	11.3	11.2	10.4	10.8
24	12.8	12.6	12.7	12.3	11.8	12.1	11.6	11.2	11.4	11.2	10.4	10.8
25	12.6	12.4	12.5	12.4	12.1	12.3	11.8	11.1	11.5	11.0	10.1	10.6
26	12.5	12.3	12.4	12.4	12.2	12.3	11.6	10.9	11.3	10.6	9.7	10.2
27	12.4	12.2	12.3	12.2	12.0	12.1	11.5	10.8	11.1	10.5	9.5	10.0
28	12.3	12.1	12.2	12.4	12.2	12.3	11.3	10.8	11.1	10.4	9.5	10.1
29	---	---	---	12.8	12.4	12.7	11.6	11.0	11.3	10.9	10.4	10.6
30	---	---	---	12.9	12.6	12.8	11.5	10.8	11.3	11.0	10.4	10.7
31	---	---	---	12.9	12.1	12.6	---	---	---	10.9	10.4	10.6
MONTH	13.6	12.1	12.9	12.9	11.5	12.1	12.6	10.8	11.8	11.4	9.5	10.7

UMPQUA RIVER BASIN

14317450 NORTH UMPQUA RIVER NEAR IDLEYLD PARK, OR—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	11.1	10.4	10.7	10.5	9.4	9.9	9.7	8.7	9.2	10.6	9.6	10.1
2	11.1	10.5	10.8	10.5	9.6	9.9	9.8	9.0	9.3	10.6	9.7	10.0
3	11.2	10.2	10.7	10.4	9.6	9.9	9.9	9.0	9.4	10.6	9.7	10.1
4	10.9	10.2	10.5	10.4	9.6	9.9	9.9	8.9	9.4	10.8	9.8	10.3
5	11.0	10.1	10.6	10.2	9.5	9.8	9.9	8.9	9.3	10.8	10.0	10.3
6	11.3	10.5	11.0	10.2	9.4	9.7	9.8	8.9	9.3	10.9	9.8	10.3
7	11.7	11.0	11.3	10.2	9.4	9.7	9.8	8.9	9.3	10.5	9.6	10.0
8	11.6	10.7	11.2	10.1	9.3	9.7	9.8	8.9	9.3	10.3	9.6	9.9
9	11.3	10.4	10.9	10.3	9.5	9.8	9.9	8.9	9.3	10.3	9.6	9.9
10	11.1	10.2	10.7	10.4	9.5	9.9	10.0	9.0	9.5	10.5	9.8	10.1
11	11.0	10.2	10.6	10.2	9.3	9.7	10.2	9.2	9.6	10.7	10.1	10.3
12	11.2	10.3	10.8	10.1	9.1	9.6	10.3	9.3	9.7	10.8	10.1	10.4
13	11.1	10.1	10.6	9.9	8.9	9.4	10.2	9.2	9.7	10.9	10.2	10.5
14	10.9	10.1	10.5	9.8	8.7	9.3	10.2	9.2	9.6	10.9	10.2	10.5
15	10.9	10	10.4	9.7	8.6	9.1	10.3	9.2	9.7	11.1	10.2	10.4
16	10.6	9.9	10.3	9.7	8.5	9.0	10.3	9.4	9.7	11.0	10.3	10.6
17	11.1	10.3	10.7	9.6	8.4	8.9	10.4	9.4	9.7	11.0	10.3	10.6
18	11.4	10.7	11.1	9.5	8.2	8.8	10.4	9.4	9.8	11.1	10.3	10.7
19	11.5	10.7	11.1	9.2	8.3	8.8	10.4	9.5	9.9	11.2	10.6	10.8
20	11.1	10.2	10.7	9.6	8.7	9.1	10.4	9.4	9.8	11.3	10.6	10.8
21	10.4	9.7	10.1	9.6	8.8	9.2	10.4	9.4	9.9	11.3	10.7	10.9
22	9.8	9.0	9.5	10.6	8.2	9.1	10.4	9.5	9.9	11.3	10.7	11.0
23	9.3	8.6	9.0	9.1	8.2	8.6	10.5	9.5	9.9	11.3	10.8	11.0
24	9.1	8.4	8.7	9.2	8.3	8.7	10.5	9.5	9.9	11.5	10.8	11.2
25	9.1	8.4	8.8	9.4	8.4	8.8	10.5	9.5	9.9	11.8	11.1	11.4
26	9.3	8.6	9.0	9.4	8.5	8.8	10.5	9.5	9.9	11.8	11.2	11.4
27	10.6	8.9	9.9	9.3	8.4	8.8	10.5	9.5	9.9	11.7	11.1	11.3
28	10.8	10.0	10.4	9.3	8.4	8.8	10.5	9.5	9.9	11.6	11.0	11.2
29	10.7	9.8	10.3	9.3	8.5	8.8	10.4	9.6	10	11.5	10.9	11.1
30	10.4	9.6	10	9.5	8.6	9.0	10.8	9.8	10.2	11.4	10.6	11.0
31	---	---	---	9.6	8.7	9.1	10.7	9.8	10.2	---	---	---
MONTH	11.7	8.4	10.4	10.6	8.2	9.3	10.8	8.7	9.7	11.8	9.6	10.6
YEAR	13.8	8.2	11.3									

UMPQUA RIVER BASIN

14317450 NORTH UMPQUA RIVER NEAR IDLEYLD PARK, OR—Continued

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

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1	<1	1
2	<1	<1	<1	2	<1	<1	<1	<1	<1	1	1	1
3	<1	<1	<1	3	2	2	<1	<1	<1	1	1	1
4	<1	<1	<1	2	1	2	<1	<1	<1	1	<1	1
5	<1	<1	<1	1	<1	<1	<1	<1	<1	1	<1	<1
6	<1	<1	<1	<1	<1	<1	13	<1	<1	<1	<1	<1
7	<1	<1	<1	<1	<1	<1	14	8	12	<1	<1	<1
8	<1	<1	<1	<1	<1	<1	51	9	34	<1	<1	<1
9	<1	<1	<1	<1	<1	<1	93	36	52	1	<1	<1
10	<1	<1	<1	<1	<1	<1	39	13	23	1	1	1
11	<1	<1	<1	<1	<1	<1	13	6	9	1	1	1
12	<1	<1	<1	<1	<1	<1	6	4	5	1	1	1
13	<1	<1	<1	<1	<1	<1	4	3	3	1	<1	<1
14	<1	<1	<1	<1	<1	<1	3	2	3	<1	<1	<1
15	<1	<1	<1	<1	<1	<1	3	2	2	<1	<1	<1
16	<1	<1	<1	<1	<1	<1	2	2	2	4	<1	2
17	1	<1	<1	<1	<1	<1	2	1	2	6	4	5
18	2	<1	2	<1	<1	<1	1	1	1	6	6	6
19	2	1	2	<1	<1	<1	1	1	1	6	4	4
20	1	<1	<1	<1	<1	<1	1	<1	1	4	2	3
21	<1	<1	<1	<1	<1	<1	1	<1	<1	2	2	2
22	1	<1	<1	<1	<1	<1	<1	<1	<1	2	1	2
23	8	1	6	<1	<1	<1	<1	<1	<1	1	1	1
24	5	2	3	<1	<1	<1	<1	<1	<1	1	<1	<1
25	2	1	1	<1	<1	<1	<1	<1	<1	<1	<1	<1
26	1	<1	<1	2	<1	1	1	<1	1	<1	<1	<1
27	<1	<1	<1	<1	<1	<1	1	<1	<1	1	<1	<1
28	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
29	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
30	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
31	<1	<1	<1	---	---	---	<1	<1	<1	<1	<1	<1
MAX	8	2	6	3	2	2	93	36	52	6	6	6
MIN	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
FEBRUARY			MARCH			APRIL			MAY			
1	<1	<1	<1	<1	<1	<1	8	6	6	<1	<1	<1
2	<1	<1	<1	<1	<1	<1	6	5	5	<1	<1	<1
3	<1	<1	<1	<1	<1	<1	5	4	4	1	<1	<1
4	<1	<1	<1	<1	<1	<1	5	4	5	<1	<1	<1
5	<1	<1	<1	<1	<1	<1	5	4	5	<1	<1	<1
6	<1	<1	<1	<1	<1	<1	4	3	4	2	<1	<1
7	<1	<1	<1	<1	<1	<1	4	3	4	2	2	2
8	<1	<1	<1	<1	<1	<1	5	4	4	5	2	2
9	<1	<1	<1	<1	<1	<1	5	4	4	11	5	6
10	<1	<1	<1	<1	<1	<1	4	3	3	50	11	13
11	<1	<1	<1	<1	<1	<1	3	3	3	11	5	7
12	<1	<1	<1	<1	<1	<1	3	2	3	5	3	4
13	<1	<1	<1	<1	<1	<1	---	---	---	3	2	3
14	<1	<1	<1	<1	<1	<1	---	---	---	2	2	2
15	<1	<1	<1	<1	<1	<1	2	2	2	2	1	2
16	<1	<1	<1	<1	<1	<1	2	2	2	2	1	2
17	<1	<1	<1	<1	<1	<1	3	2	3	3	2	2
18	<1	<1	<1	<1	<1	<1	3	3	3	6	2	3
19	<1	<1	<1	<1	<1	<1	3	2	2	6	3	4
20	<1	<1	<1	<1	<1	<1	2	2	2	3	2	2
21	<1	<1	<1	<1	<1	<1	2	1	2	2	2	2
22	<1	<1	<1	<1	<1	<1	2	1	1	2	1	2
23	<1	<1	<1	<1	<1	<1	1	1	1	1	1	1
24	<1	<1	<1	1	<1	1	1	1	1	2	<1	1
25	<1	<1	<1	1	<1	1	1	<1	1	1	<1	<1
26	<1	<1	<1	1	<1	<1	1	<1	<1	1	<1	<1
27	<1	<1	<1	28	1	9	<1	<1	<1	1	<1	<1
28	<1	<1	<1	28	15	18	<1	<1	<1	<1	<1	<1
29	---	---	---	25	18	20	1	<1	<1	3	<1	2
30	---	---	---	18	11	14	<1	<1	<1	3	2	2
31	---	---	---	11	8	9	---	---	---	2	1	1
MAX	<1	<1	<1	28	18	20	8	6	6	50	11	13
MIN	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

UMPQUA RIVER BASIN

14317450 NORTH UMPQUA RIVER NEAR IDLEYLD PARK, OR—Continued

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

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

NORTH UMPQUA RIVER BASIN

14318000 LITTLE RIVER AT PEEL, OR

LOCATION.--Lat 43°15'10", long 123°01'30", in NW ¼ sec.2, T.27 S., R.3 W., Douglas County, Hydrologic Unit 17100301, on left bank 0.6 mi southeast of Peel, 0.9 mi downstream from Cavitt Creek and at mile 6.3.

DRAINAGE AREA.--177 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1954 to September 1989, July 1999 to current year.

GAGE.--Water-stage recorder. Datum of gage is 828.33 ft above NGVD of 1929.

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

AVERAGE DISCHARGE.--41 years (1955-89, 2000-05), 452 ft³/s, 34.71 in/yr, 327,600 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 21,100 ft³/s Dec. 11, 1956, gage height, 19.63 ft, from rating curve extended above 5,900 ft³/s on basis of slope-area measurement at gage height 16.55 ft; minimum discharge, 7.5 ft³/s Sept. 5, 2003.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Nov. 22, 23, 1953, reached a stage of 20.6 ft, from floodmark, discharge, 22,700 ft³/s, from rating curve extended above 5,900 ft³/s on basis of slope-area measurement at gage height 16.55 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 6,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec 9	1100	*10,200	*13.65			

No other peak greater than base discharge.

Minimum discharge, 15 ft³/s, Sept. 9, 10, 28-30, gage height, 2.25 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21	160	100	249	163	110	840	267	452	105	34	17
2	20	155	97	254	153	106	822	256	418	100	33	17
3	20	596	90	232	144	102	792	232	365	98	33	16
4	18	350	86	214	141	100	985	244	317	89	32	16
5	18	235	85	196	147	97	948	307	301	87	31	16
6	18	173	217	183	140	92	811	401	451	84	29	16
7	23	135	1,130	187	157	88	1,110	577	632	83	28	16
8	26	110	3,340	210	141	85	1,480	957	627	81	28	16
9	75	91	7,750	223	134	83	1,370	1,720	507	82	26	15
10	56	81	3,000	253	128	82	1,060	3,590	413	87	26	17
11	38	73	1,510	268	124	79	979	2,310	360	81	25	24
12	31	67	982	240	121	77	930	1,390	307	74	25	23
13	28	63	703	219	146	75	788	970	269	72	24	20
14	25	58	650	202	141	72	665	726	248	68	24	18
15	24	55	535	247	133	70	576	591	225	64	22	17
16	22	56	434	505	127	68	576	637	214	61	22	17
17	52	54	362	644	121	69	974	816	231	58	22	26
18	204	54	310	927	116	74	1,020	1,270	206	55	22	33
19	141	60	273	816	114	76	857	1,310	190	52	22	23
20	78	54	243	641	148	91	697	959	174	50	21	20
21	59	51	219	516	166	114	583	902	160	49	20	18
22	73	48	200	425	149	135	528	750	158	49	20	18
23	765	47	185	372	136	154	523	602	144	47	19	17
24	472	46	171	330	126	173	536	496	137	45	19	18
25	249	108	163	296	119	160	485	419	132	43	19	17
26	210	231	226	288	114	162	429	360	119	42	18	16
27	160	163	211	283	110	820	393	315	120	40	17	16
28	123	133	198	245	114	1,710	362	327	137	38	16	15
29	98	111	215	215	---	2,460	321	713	120	37	16	15
30	120	103	239	192	---	1,450	288	640	112	35	17	15
31	195	---	234	177	---	912	---	500	---	34	17	---
TOTAL	3,462	3,721	24,158	10,249	3,773	9,946	22,728	25,554	8,246	1,990	727	548
MEAN	112	124	779	331	135	321	758	824	275	64.2	23.5	18.3
MAX	765	596	7,750	927	166	2,460	1,480	3,590	632	105	34	33
MIN	18	46	85	177	110	68	288	232	112	34	16	15
AC-FT	6,870	7,380	47,920	20,330	7,480	19,730	45,080	50,690	16,360	3,950	1,440	1,090
CFSM	0.63	0.70	4.40	1.87	0.76	1.81	4.28	4.66	1.55	0.36	0.13	0.10
IN.	0.73	0.78	5.08	2.15	0.79	2.09	4.78	5.37	1.73	0.42	0.15	0.12

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1955 - 2005, BY WATER YEAR (WY)

	MEAN	366	2,162	3,090	2,122	1,857	1,757	1,065	956	501	137	88.6	181
(WY)	(1963)	(1974)	(1965)	(1971)	(1986)	(1972)	(1979)	(1963)	(1983)	(1976)	(1986)	(1986)	(1986)
MIN	14.4	41.3	34.9	53.4	70.2	249	237	108	54.0	29.5	15.9	15.8	15.8
(WY)	(1988)	(1977)	(1977)	(1977)	(1977)	(1978)	(1968)	(1987)	(1987)	(2003)	(2002)	(2001)	(2001)

NORTH UMPQUA RIVER BASIN

14318000 LITTLE RIVER AT PEEL, OR—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1955 - 2005	
ANNUAL TOTAL	143,079		115,102			
ANNUAL MEAN	391		315		452	
HIGHEST ANNUAL MEAN					805	1974
LOWEST ANNUAL MEAN					158	1977
HIGHEST DAILY MEAN	7,750	Dec 9	7,750	Dec 9	15,200	Dec 22, 1964
LOWEST DAILY MEAN	12	Aug 21	15	Sep 9	8.4	Sep 6, 2003
ANNUAL SEVEN-DAY MINIMUM	13	Aug 15	16	Sep 3	10	Aug 31, 2003
ANNUAL RUNOFF (AC-FT)	283,800		228,300		327,600	
ANNUAL RUNOFF (CFSM)	2.21		1.78		2.55	
ANNUAL RUNOFF (INCHES)	30.07		24.19		34.71	
10 PERCENT EXCEEDS	1,050		816		1,090	
50 PERCENT EXCEEDS	194		135		210	
90 PERCENT EXCEEDS	21		20		24	



2005 Water Year
UMPQUA RIVER BASIN

14318000 LITTLE RIVER AT PEEL, OR

Latitude: 43° 15' 10"

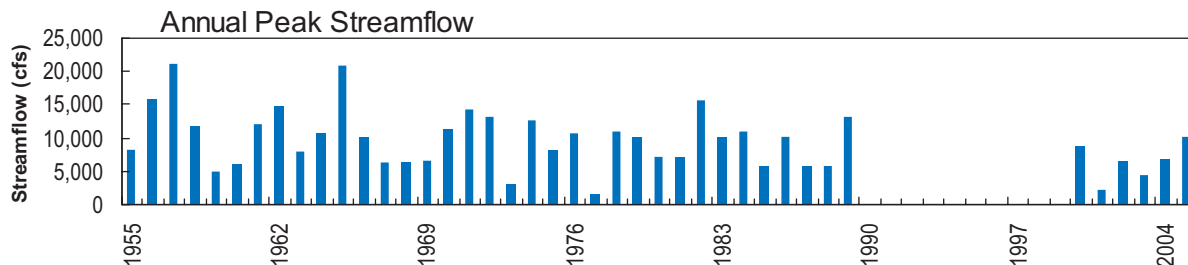
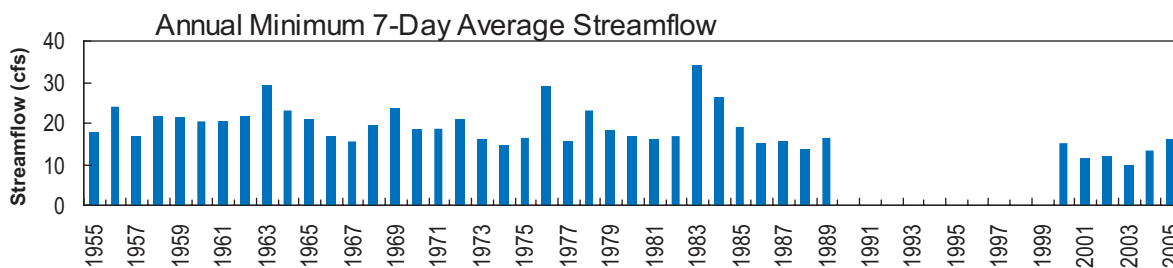
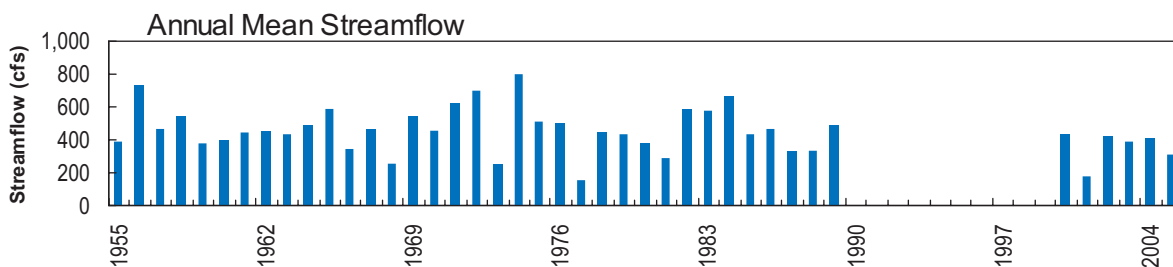
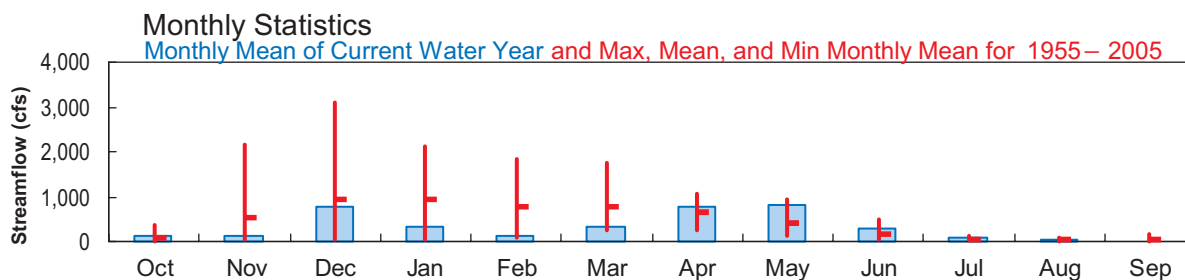
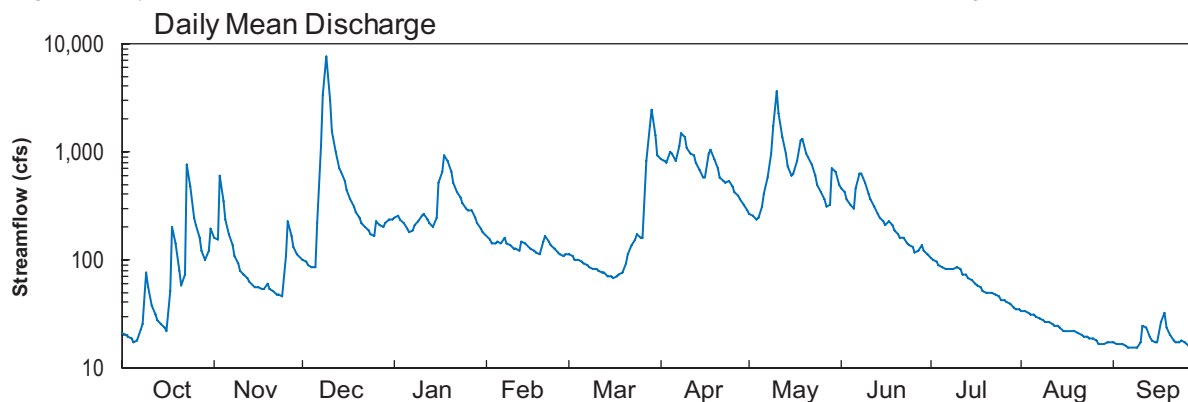
Longitude: 123° 01' 30"

Hydrologic Unit Code: 17100301

Douglas County

Datum: 828.33 feet

Drainage Area: 177 mi²



UMPQUA RIVER BASIN
14318000 LITTLE RIVER AT PEEL, OR—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--

WATER TEMPERATURE: June 1999 to current year.

INSTRUMENTATION.--Temperature recorder.

REMARKS.--Records excellent.

EXTREMES FOR PERIOD OF RECORD.--

WATER TEMPERATURE: Maximum, 24.7°C July 30, 2003; minimum, 0.5°C Nov. 19, 2000.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 23.9°C July 18; minimum, 1.6°C Feb. 16.

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	14.8	13.5	14.1	8.4	7.0	7.6	6.0	5.0	5.5	5.6	4.9	5.3
2	14.3	13.3	13.9	9.2	8.3	8.8	5.9	5.5	5.7	4.9	4.3	4.6
3	14.3	13.2	13.8	9.1	7.7	8.4	5.5	5.0	5.2	4.8	4.1	4.4
4	14.3	13.2	13.8	7.7	6.2	7.0	5.0	4.1	4.4	4.2	3.0	3.8
5	14.2	13.1	13.7	6.2	5.2	5.8	5.1	4.3	4.7	3.2	2.3	2.8
6	14.4	13.8	14.1	6.3	5.2	5.8	5.7	4.7	5.0	4.3	3.2	3.7
7	15.1	13.8	14.4	6.5	5.4	6.0	7.0	5.7	6.4	4.6	4.2	4.4
8	14.6	13.5	14.0	6.6	5.5	6.1	8.2	7.0	7.6	4.2	3.1	3.5
9	13.8	12.4	13.0	8.1	6.4	7.4	8.9	8.2	8.6	4.0	2.9	3.4
10	12.4	11.6	12.0	8.5	7.8	8.1	9.2	8.7	9.0	4.7	3.7	4.2
11	12.2	10.8	11.6	8.8	7.8	8.4	9.3	8.9	9.1	4.7	4.1	4.3
12	11.8	10.5	11.3	7.8	6.9	7.5	9.1	8.1	8.4	4.9	3.8	4.3
13	11.8	10.7	11.3	8.4	7.4	7.9	9.1	8.1	8.6	4.8	4.0	4.4
14	11.8	10.7	11.4	8.3	7.3	7.8	9.1	8.2	8.9	4.7	3.6	4.1
15	11.7	10.9	11.4	8.2	7.2	7.6	8.2	6.3	6.9	5.7	4.7	5.2
16	11.8	11.1	11.5	8.9	8.1	8.5	6.3	5.4	5.8	6.3	5.3	5.8
17	11.8	10.7	11.4	8.2	6.7	7.5	6.8	5.6	6.2	7.0	5.9	6.4
18	10.7	9.9	10.2	7.0	6.0	6.5	6.7	6.0	6.4	7.4	6.9	7.1
19	10.7	9.6	10.1	6.8	6.3	6.6	7.1	6.0	6.5	7.3	6.4	6.9
20	10.6	9.8	10.2	6.3	5.8	6.0	7.3	6.2	7.0	7.1	6.5	6.8
21	10.3	9.6	10	5.8	4.4	5.2	6.2	5.1	5.5	6.6	5.6	6.1
22	10.2	9.8	10	4.6	3.5	4.1	5.7	4.7	5.2	6.9	5.5	6.2
23	10.2	9.4	9.8	5.9	4.2	4.9	5.8	4.3	5.3	6.9	6.3	6.7
24	9.4	8.4	8.8	7.7	5.9	6.7	4.3	3.1	3.4	6.6	5.7	6.2
25	8.4	7.2	7.8	8.4	7.6	7.9	4.5	2.9	3.5	7.9	6.0	6.8
26	8.6	7.8	8.2	8.1	6.7	7.1	5.5	4.5	5.1	8.2	7.7	7.9
27	8.3	7.0	7.6	6.8	6.2	6.6	5.6	5.0	5.3	7.8	6.7	7.1
28	8.7	7.7	8.2	6.2	4.6	5.6	5.6	5.0	5.3	7.1	6.3	6.8
29	9.5	8.5	8.9	4.6	3.4	3.8	6.3	5.6	5.9	7.1	6.2	6.8
30	9.0	8.3	8.6	5.1	3.4	4.2	6.0	5.4	5.7	6.2	4.7	5.2
31	8.6	7.6	8.1	---	---	---	5.6	4.8	5.3	5.5	4.3	4.9
MONTH	15.1	7.0	11.1	9.2	3.4	6.7	9.3	2.9	6.2	8.2	2.3	5.4

UMPQUA RIVER BASIN

14318000 LITTLE RIVER AT PEEL, OR—Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	5.0	3.9	4.4	7.9	6.5	7.1	8.1	7.4	7.8	13.2	11.2	12.1
2	4.4	3.2	3.9	8.7	7.0	7.7	8.3	7.2	7.7	13.6	11.0	12.2
3	4.8	3.4	4.1	7.7	6.0	6.9	7.8	6.5	7.2	13.7	10.8	12.6
4	5.6	4.3	4.9	8.2	6.9	7.5	7.5	6.1	6.7	13.9	11.9	13.0
5	6.4	5.4	5.8	8.5	6.7	7.6	8.5	6.6	7.5	13.3	11.9	12.4
6	5.8	4.9	5.2	8.6	6.4	7.5	9.9	7.2	8.5	12.0	10.7	11.3
7	5.4	4.4	4.9	9.2	6.8	7.9	9.2	7.1	8.1	11.8	10.0	10.8
8	4.6	3.7	4.2	9.5	7.0	8.2	7.8	6.6	7.2	10.9	10.2	10.5
9	4.2	3.1	3.6	9.6	7.3	8.4	8.4	7.1	7.6	10.2	8.6	9.3
10	3.7	2.5	3.1	10.3	7.8	9.0	8.6	6.2	7.5	9.2	8.5	8.8
11	3.8	2.4	3.1	10.6	8.1	9.3	8.9	7.9	8.3	10.2	8.7	9.4
12	4.6	3.1	3.7	10.8	8.3	9.5	7.9	6.6	7.2	11.6	8.8	10.1
13	5.7	4.6	5.2	9.7	7.6	8.7	7.2	5.6	6.4	11.8	9.8	10.7
14	5.4	3.9	4.8	8.6	6.3	7.6	8.2	5.9	7.0	13.2	10.8	11.9
15	3.9	2.3	2.9	8.2	5.7	7.0	8.1	5.6	6.9	12.4	11.5	11.9
16	3.2	1.6	2.4	7.6	6.3	7.0	8.9	7.8	8.3	11.7	10.2	11.1
17	3.9	2.1	2.9	8.7	7.2	7.9	8.5	7.0	7.6	10.2	8.9	9.6
18	4.6	2.9	3.7	9.5	7.9	8.7	8.0	6.2	7.1	10.7	9.4	10
19	6.2	4.0	5.2	10.3	8.9	9.5	9.1	6.4	7.5	10.8	9.4	10.0
20	7.4	5.8	6.6	9.6	8.5	9.1	10.0	6.7	8.2	10.5	9.5	10
21	6.9	5.8	6.4	8.8	7.7	8.3	11.0	7.3	9.0	10.6	8.7	9.7
22	5.9	4.6	5.2	9.4	7.9	8.6	11.7	8.0	9.7	12.2	9.8	10.8
23	6.1	4.3	5.2	9.3	7.9	8.5	10.4	9.4	9.8	12.2	8.8	10.4
24	6.4	4.7	5.5	8.0	7.0	7.5	10.4	8.7	9.5	12.7	8.6	10.6
25	7.5	5.7	6.6	8.0	6.6	7.3	11.6	8.9	10.1	14.5	9.7	12.0
26	8.6	7.2	7.7	7.8	7.1	7.4	12.4	8.9	10.6	16.2	11.7	13.9
27	8.5	7.1	7.8	8.3	7.7	7.9	12.2	9.4	11.0	17.2	13.1	15.2
28	8.7	7.6	8.1	7.7	6.9	7.3	12.0	10.3	11.2	16.4	12.6	14.1
29	---	---	---	7.4	6.6	7.0	11.9	10.2	11.0	12.6	11.4	11.9
30	---	---	---	8.0	6.6	7.2	13.8	10.4	12.0	12.8	11.1	11.8
31	---	---	---	8.9	5.9	7.4	---	---	---	13.2	11.5	12.3
MONTH	8.7	1.6	4.9	10.8	5.7	8.0	13.8	5.6	8.5	17.2	8.5	11.3
JUNE				JULY			AUGUST			SEPTEMBER		
1	12.7	11.3	12.0	19.0	17.0	17.6	22.6	20.5	21.6	19.2	16.8	18.1
2	12.5	10.7	11.6	17.0	14.7	15.7	22.4	19.8	21.2	19.2	17.2	18.3
3	14.1	10.4	12.1	18.7	14.4	16.5	21.6	18.8	20.5	19.1	17.7	18.4
4	13.9	10.6	12.2	19.6	15.4	17.5	22.7	19.5	21.2	18.7	16.7	17.8
5	13.1	10.9	11.7	20.5	16.6	18.6	23.1	20.5	22.0	17.9	15.8	17.0
6	11.2	9.5	10.1	19.6	18.1	18.9	23.2	20.6	22.1	17.5	15.4	16.6
7	10.3	8.8	9.5	20.1	17.5	18.8	22.8	20.7	21.9	17.6	15.3	16.6
8	12.2	8.3	10.1	19.4	17.0	18.2	23.0	20.4	21.8	18.1	15.8	17.1
9	14.0	9.8	11.7	18.4	16.9	17.7	22.6	20.1	21.5	17.9	16.7	17.3
10	13.8	11.0	12.4	18.6	16.6	17.5	21.9	19.8	21.0	16.8	15.6	16.1
11	13.0	11.7	12.2	20.4	16.3	18.4	21.3	18.9	20.3	16.2	14.4	15.4
12	14.3	10.6	12.4	19.6	18.2	19.0	21.2	18.9	20.2	15.5	13.8	14.8
13	15.0	11.7	13.3	20.9	17.4	19.1	21.7	19.0	20.5	15.5	13.5	14.6
14	14.3	12.3	12.9	21.4	17.4	19.5	22.3	19.8	21.1	15.8	13.6	14.8
15	14.5	10.7	12.7	22.4	18.4	20.4	21.8	19.4	20.8	15.5	14.1	14.8
16	14.2	12.7	13.2	22.5	19.1	21.0	21.7	19.7	20.8	15.2	13.6	14.5
17	12.9	11.5	12.3	22.9	18.9	21.0	21.6	19.3	20.6	15.8	14.4	15.0
18	13.3	11.7	12.5	23.9	19.9	22.0	21.8	19.8	20.8	15.1	13.0	14.3
19	15.1	11.5	13.2	23.6	20.4	22.2	21.5	19.1	20.5	14.9	13.3	14.2
20	16.8	13.0	15.1	22.7	19.3	21.3	21.9	19.6	20.9	14.9	13.2	14.1
21	17.2	14.4	15.8	22.1	19.3	21.0	21.8	19.9	21.0	14.5	12.8	13.7
22	16.4	14.5	15.6	22.8	19.9	21.5	21.5	19.6	20.7	13.8	12.1	13.1
23	16.4	13.1	14.8	22.1	19.7	21.0	20.5	18.5	19.6	14.1	12.3	13.2
24	17.8	14.1	16.0	21.8	18.8	20.6	19.2	17.1	18.4	13.1	11.3	12.3
25	18.1	15.0	16.6	21.2	18.0	19.9	19.9	17.2	18.7	12.2	10.4	11.5
26	17.4	15.5	16.5	21.9	18.0	20.2	20.5	18.2	19.5	12.4	10.3	11.5
27	16.6	15.4	15.8	22.8	19.2	21.2	20.2	17.9	19.2	13.5	11.4	12.5
28	17.8	14.6	16.0	23.1	20.1	21.8	19.7	17.3	18.7	13.7	11.7	12.8
29	17.8	14.9	16.3	23.1	20.2	21.9	19.2	17.9	18.6	13.8	11.8	13.0
30	20.0	15.8	17.9	22.8	19.8	21.6	18.6	16.3	17.6	15.0	12.8	13.8
31	---	---	---	23.1	20.2	21.9	18.8	16.3	17.7	---	---	---
MONTH	20.0	8.3	13.5	23.9	14.4	19.8	23.2	16.3	20.4	19.2	10.3	14.9
YEAR	23.9	1.6	10.9									

UMPQUA RIVER BASIN

14319500 NORTH UMPQUA RIVER AT WINCHESTER, OR

LOCATION.--Lat 43°16'20", long 123°24'40", in NW ¼ NE ¼ sec.33, T.26 S., R.6 W., Douglas County, Hydrologic Unit 17100301, on left bank 300 ft downstream from county bridge, 3.0 mi west of Winchester and at mile 1.8.

DRAINAGE AREA.--1,344 mi².

PERIOD OF RECORD.--October 1908 to December 1913, October 1923 to September 1929, August 1954 to current year. Prior to December 1908, monthly discharge only, published in WSP 1318.

REVISED RECORDS.--WSP 1448: 1909-12, drainage area. WDR OR-65-1: 1954(M). WDR OR-72-1: 1965(M).

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 372.97 ft above NGVD of 1929 (Douglas County Road Department bench mark). Oct. 1, 1908 to Dec. 31, 1913 and Oct. 1, 1923 to Sept. 30, 1929, nonrecording gage at site 4.8 mi upstream at different datums. Aug. 27, 1954 to Aug. 12, 1965, water-stage recorder on right bank at same datum.

REMARKS.--No estimated daily discharges. Records fair. Occasional regulation caused by upstream powerplants; slight regulation by Lemolo Lake and Diamond Lake. Several small diversions for irrigation upstream from station. Continuous water-quality records for water years 1967-69, 1971-91, have been collected at this site.

AVERAGE DISCHARGE.--62 years (water years 1909-13, 1924-29, 1955-2005), 3,687 ft³/s, 37.27 in/yr, 2,671,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 150,000 ft³/s Dec. 22, 1964, gage height, 34.2 ft, from floodmark; minimum discharge, 235 ft³/s Aug. 27, 1987, result of regulation at Winchester Dam 5.2 mi upstream.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Oct. 29, 1950, reached a stage of 23.2 ft, from floodmark, at site 4.8 mi upstream at different datum, discharge, 88,000 ft³/s. Flood of Nov. 23, 1953, reached a stage of 28.4 ft, from floodmarks, present site and datum, discharge, 93,300 ft³/s.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 20,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec 9	1600	*45,500	*16.80				
							No other peak greater than base discharge.

Minimum discharge, 703 ft³/s, Aug. 28, gage height, 1.66 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	979	1,850	1,240	2,150	1,860	1,410	6,050	2,810	3,240	1,430	896	732
2	968	1,720	1,250	2,300	1,800	1,380	6,350	2,740	3,120	1,430	879	733
3	942	2,660	1,270	2,190	1,730	1,350	5,570	2,660	2,910	1,400	874	731
4	929	2,930	1,250	2,070	1,680	1,330	6,370	2,640	2,680	1,350	866	739
5	944	2,300	1,220	1,960	1,650	1,310	5,940	2,780	2,520	1,320	863	737
6	941	1,930	1,330	1,850	1,610	1,290	5,230	3,170	2,970	1,280	862	731
7	950	1,650	4,480	1,850	1,660	1,270	5,930	4,000	4,210	1,270	854	746
8	966	1,470	11,200	2,180	1,610	1,250	7,860	4,470	4,160	1,260	835	773
9	1,070	1,360	36,800	2,650	1,570	1,230	7,690	8,340	3,770	1,260	807	800
10	1,200	1,290	23,400	2,460	1,540	1,230	6,540	15,200	3,230	1,270	797	839
11	1,090	1,240	10,900	2,330	1,520	1,200	5,850	13,300	2,890	1,270	796	884
12	1,030	1,200	7,020	2,180	1,510	1,190	6,090	8,710	2,760	1,230	793	887
13	991	1,180	5,390	2,030	1,670	1,180	5,530	6,470	2,590	1,210	787	852
14	974	1,170	4,950	1,930	1,770	1,170	4,960	5,320	2,400	1,190	782	837
15	954	1,150	4,640	1,940	1,700	1,150	4,510	4,590	2,230	1,150	774	831
16	944	1,140	4,020	2,560	1,610	1,150	4,280	4,790	2,090	1,120	771	832
17	979	1,130	3,470	3,900	1,550	1,180	5,730	5,820	2,140	1,110	769	845
18	1,500	1,120	3,000	5,640	1,470	1,200	6,500	6,910	2,180	1,100	770	871
19	1,990	1,130	2,710	6,230	1,450	1,210	5,770	9,020	2,140	1,070	766	854
20	1,560	1,110	2,530	4,850	1,740	1,250	4,970	7,100	2,010	1,050	766	835
21	1,350	1,080	2,330	4,010	1,820	1,300	4,450	6,350	1,800	1,040	757	846
22	1,300	1,050	2,170	3,430	1,730	1,410	3,940	5,400	1,750	1,020	747	849
23	3,060	1,030	2,040	3,080	1,640	1,480	3,900	4,650	1,710	1,020	741	853
24	3,780	1,030	1,910	2,880	1,560	1,620	4,020	4,060	1,690	1,000	726	848
25	2,440	1,070	1,830	2,670	1,500	1,650	3,820	3,630	1,660	978	729	850
26	1,820	1,540	2,020	2,530	1,460	1,610	3,550	3,250	1,590	964	722	849
27	1,700	1,630	2,050	2,480	1,420	3,920	3,360	2,990	1,530	964	723	859
28	1,770	1,460	1,930	2,330	1,410	12,700	3,250	2,990	1,500	948	715	881
29	1,700	1,330	1,970	2,200	---	15,100	3,200	4,180	1,480	927	719	888
30	1,610	1,260	2,110	2,070	---	10,800	2,990	4,380	1,440	922	723	889
31	1,830	---	2,120	1,960	---	6,510	---	3,720	---	909	729	---
TOTAL	44,261	43,210	154,550	84,890	45,240	83,030	154,200	166,440	72,390	35,462	24,338	24,701
MEAN	1,428	1,440	4,985	2,738	1,616	2,678	5,140	5,369	2,413	1,144	785	823
MAX	3,780	2,930	36,800	6,230	1,860	15,100	7,860	15,200	4,210	1,430	896	889
MIN	929	1,030	1,220	1,850	1,410	1,150	2,990	2,640	1,440	909	715	731
AC-FT	87,790	85,710	306,500	168,400	89,730	164,700	305,900	330,100	143,600	70,340	48,270	48,990
CFSM	1.06	1.07	3.71	2.04	1.20	1.99	3.82	3.99	1.80	0.85	0.58	0.61
IN.	1.23	1.20	4.28	2.35	1.25	2.30	4.27	4.61	2.00	0.98	0.67	0.68

UMPQUA RIVER BASIN

14319500 NORTH UMPQUA RIVER AT WINCHESTER, OR—Continued

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1909 - 2005, BY WATER YEAR (WY)												
MEAN	1,341	3,973	6,288	6,700	6,139	5,520	4,826	3,864	2,431	1,326	989	979
MAX	2,752	12,550	23,640	15,220	13,250	12,880	8,881	7,147	4,992	2,824	1,578	1,689
(WY)	(1963)	(1974)	(1965)	(1965)	(1986)	(1972)	(1993)	(1963)	(1984)	(1913)	(1976)	(1986)
MIN	683	931	1,005	1,125	1,019	1,681	1,605	1,401	913	717	635	695
(WY)	(1988)	(1994)	(1977)	(1977)	(1977)	(1992)	(1926)	(1926)	(1926)	(1926)	(1992)	(2001)
SUMMARY STATISTICS												
	FOR 2004 CALENDAR YEAR					FOR 2005 WATER YEAR				WATER YEARS 1909 - 2005		
ANNUAL TOTAL	1,211,377					932,712						
ANNUAL MEAN	3,310					2,555				3,687		
HIGHEST ANNUAL MEAN										6,116		
LOWEST ANNUAL MEAN										1,639		
HIGHEST DAILY MEAN	36,800					36,800				117,000		
LOWEST DAILY MEAN	830					715				549		
ANNUAL SEVEN-DAY MINIMUM	855					722				600		
ANNUAL RUNOFF (AC-FT)	2,403,000					1,850,000				2,671,000		
ANNUAL RUNOFF (CFSM)	2.46					1.90				2.74		
ANNUAL RUNOFF (INCHES)	33.53					25.82				37.27		
10 PERCENT EXCEEDS	7,020					5,450				7,480		
50 PERCENT EXCEEDS	2,440					1,610				2,400		
90 PERCENT EXCEEDS	954					836				878		

UMPQUA RIVER BASIN
14319500 NORTH UMPQUA RIVER AT WINCHESTER, OR—Continued



2005 Water Year
UMPQUA RIVER BASIN

14319500 NORTH UMPQUA RIVER AT WINCHESTER, OR

Latitude: 43° 16' 20"

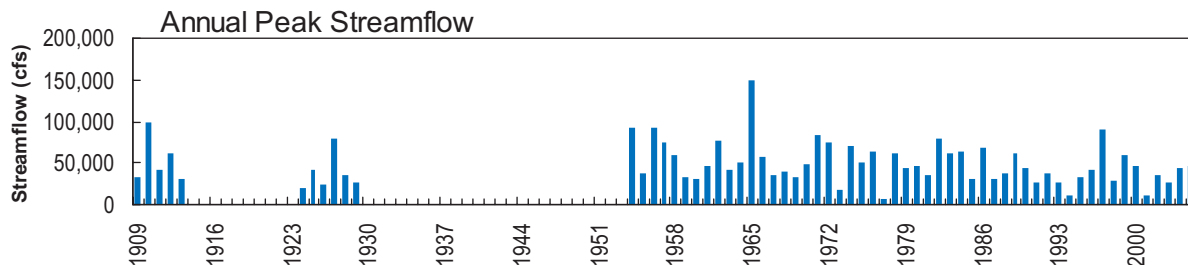
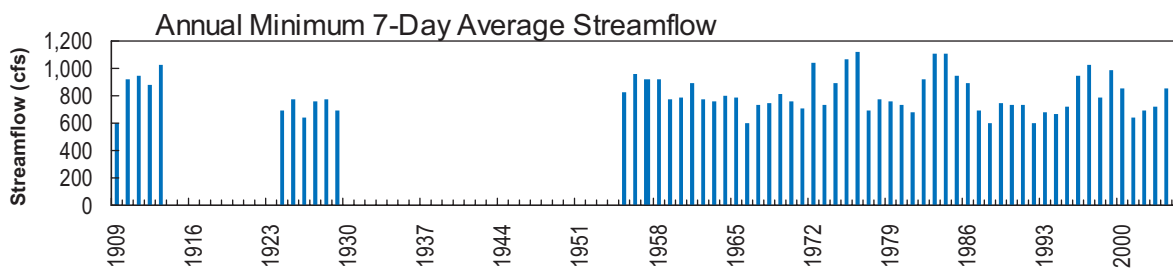
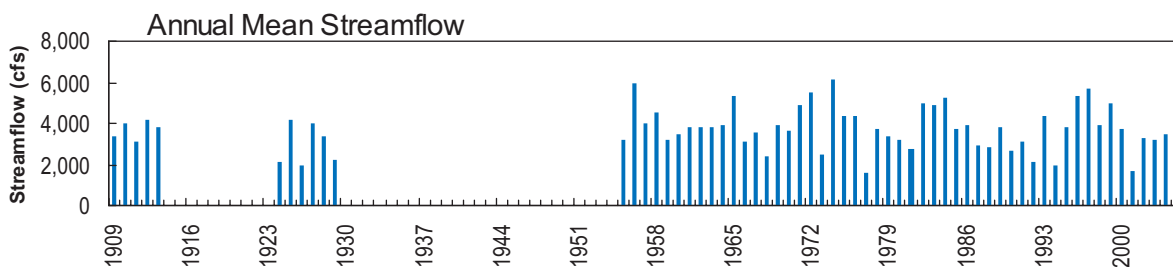
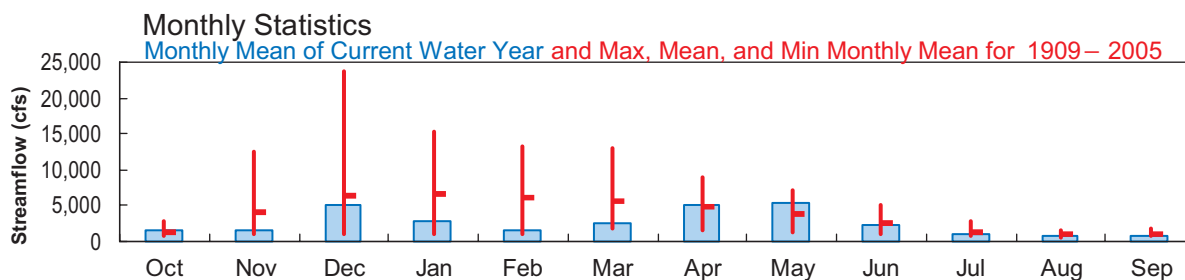
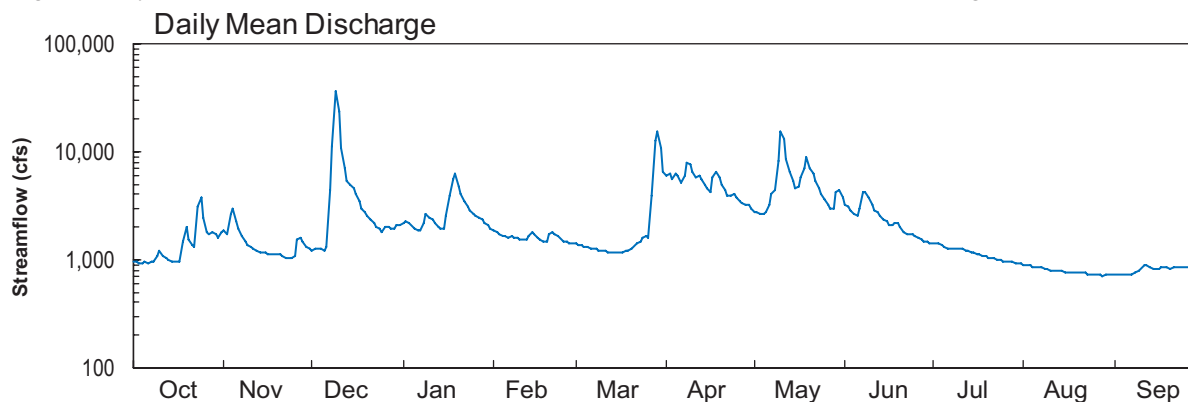
Longitude: 123° 24' 40"

Hydrologic Unit Code: 17100301

Douglas County

Datum: 372.97 feet

Drainage Area: 1344 mi²



UMPQUA RIVER BASIN

14319830 SOUTH FORK HINKLE CREEK NEAR NONPAREIL, OR

LOCATION.--Lat 43°25'20", long 123°02'18", in NE ¼ NW ¼ sec.10, T.25 S., R.3 W., Douglas County, Hydrologic Unit 17100303, on right bank, 7 mi east of Nonpareil and 700 ft upstream from confluence with North Fork Hinkle Creek.

DRAINAGE AREA.--4.17 mi².

PERIOD OF RECORD.-- June 2003 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 1,420 ft above NGVD of 1929, from topographic map.

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

AVERAGE DISCHARGE.--2 years (water years 2004-05), 8.99 ft³/s, 29.28 in/yr, 6,510 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 180 ft³/s Dec. 9, 2004, gage height, 2.63 ft; minimum discharge, 0.54 ft³/s Sept. 3-5, 2003.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 180 ft³/s Dec. 9, gage height, 2.63 ft; minimum discharge, 0.66 ft³/s Sept. 26, 27, 29.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.8	4.0	2.2	e6.5	2.9	2.8	18	5.5	16	5.6	1.3	0.81
2	1.6	6.3	e2.6	e6.3	2.8	2.8	17	5.2	16	5.4	1.3	0.79
3	1.6	13	e2.5	e6.0	2.7	2.7	17	4.9	14	5.2	1.2	0.80
4	1.5	9.0	2.5	e5.6	2.8	2.6	18	5.1	13	4.9	1.2	0.79
5	1.5	6.2	2.6	e5.4	2.7	2.5	16	5.7	12	4.8	e1.2	0.81
6	1.7	4.8	20	5.3	2.9	2.4	15	11	17	4.9	1.2	0.80
7	1.7	4.1	34	6.0	3.0	2.4	17	13	18	4.8	1.2	0.79
8	2.6	3.5	56	5.7	2.7	2.3	22	12	17	4.6	1.1	0.78
9	4.3	3.2	108	5.7	2.5	2.3	24	21	15	4.7	1.1	0.79
10	2.7	2.9	47	7.1	2.5	2.2	20	53	13	4.8	1.1	1.2
11	2.3	2.7	28	6.1	2.4	2.2	18	47	12	4.4	1.1	1.1
12	2.0	2.5	19	5.4	2.5	2.1	16	26	12	4.3	1.1	0.92
13	1.9	2.3	14	5.0	3.9	2.0	14	21	11	4.1	1.0	0.86
14	1.7	2.2	14	4.6	3.2	2.0	14	20	10	4.0	0.99	0.83
15	1.6	2.2	11	6.7	2.9	2.0	13	18	9.7	e3.5	0.96	0.84
16	1.7	2.2	9.1	13	2.7	2.0	14	20	9.5	e3.0	0.98	0.85
17	4.4	2.1	7.7	17	2.6	2.5	16	21	9.1	e2.7	0.99	0.96
18	5.2	2.7	6.5	18	2.5	2.4	17	29	8.8	e2.3	1.0	0.92
19	4.7	2.2	6.4	14	2.5	2.7	16	28	8.2	e2.0	0.96	0.83
20	4.0	2.3	5.6	10	4.3	2.9	14	23	7.6	1.9	0.92	0.80
21	3.3	1.9	4.9	7.9	e3.9	3.3	12	20	7.2	1.9	0.92	0.79
22	3.7	1.6	4.9	6.3	e3.6	3.3	10	20	7.3	1.8	0.91	0.78
23	19	1.5	4.7	5.5	e3.4	3.6	9.9	19	6.8	1.7	0.90	0.81
24	12	1.5	4.3	4.8	e3.2	4.0	10	17	6.5	1.6	0.89	e0.83
25	7.4	2.2	4.1	4.4	e3.0	3.8	9.8	15	6.2	1.5	0.86	e0.83
26	5.9	2.3	6.3	4.2	e2.9	4.1	9.0	13	6.1	1.5	0.81	e0.83
27	5.0	2.2	4.8	3.8	e2.8	21	8.0	12	6.5	1.4	0.80	e0.80
28	3.9	2.1	4.5	3.6	e2.9	35	7.3	14	7.1	1.4	0.79	0.74
29	3.5	1.9	5.0	3.3	---	58	6.6	19	6.3	1.4	0.85	0.72
30	3.7	2.0	5.1	3.2	---	29	6.0	18	5.8	1.3	0.87	0.79
31	4.2	---	4.9	3.0	---	19	---	16	---	1.3	0.84	---
TOTAL	122.1	99.6	452.2	209.4	82.7	231.9	424.6	572.4	314.7	98.7	31.34	25.19
MEAN	3.94	3.32	14.6	6.75	2.95	7.48	14.2	18.5	10.5	3.18	1.01	0.84
MAX	19	13	108	18	4.3	58	24	53	18	5.6	1.3	1.2
MIN	1.5	1.5	2.2	3.0	2.4	2.0	6.0	4.9	5.8	1.3	0.79	0.72
AC-FT	242	198	897	415	164	460	842	1,140	624	196	62	50
CFSM	0.94	0.80	3.50	1.62	0.71	1.79	3.39	4.43	2.52	0.76	0.24	0.20
IN.	1.09	0.89	4.03	1.87	0.74	2.07	3.79	5.11	2.81	0.88	0.28	0.22

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2004 - 2005, BY WATER YEAR (WY)

MEAN	2.44	4.35	19.9	17.2	10.9	10.3	11.2	15.3	10.6	2.57	1.31	1.68
MAX	3.94	5.37	25.2	27.7	18.6	13.2	14.2	18.5	10.6	3.18	1.60	2.52
(WY)	(2005)	(2004)	(2004)	(2004)	(2004)	(2004)	(2005)	(2005)	(2004)	(2005)	(2004)	(2004)
MIN	0.93	3.32	14.6	6.75	2.95	7.48	8.16	12.2	10.5	1.95	1.01	0.84
(WY)	(2004)	(2005)	(2005)	(2005)	(2005)	(2005)	(2004)	(2004)	(2005)	(2004)	(2005)	(2005)

UMPQUA RIVER BASIN

14319830 SOUTH FORK HINKLE CREEK NEAR NONPAREIL, OR—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 2004 - 2005	
ANNUAL TOTAL	3,607.73		2,664.83		8.99	
ANNUAL MEAN	9.86		7.30		10.7	
HIGHEST ANNUAL MEAN					7.30	
LOWEST ANNUAL MEAN					108	
HIGHEST DAILY MEAN	108	Dec 9	108	Dec 9	108	Dec 9, 2004
LOWEST DAILY MEAN	0.84	Aug 21	0.72	Sep 29	0.72	Oct 1, 2003
ANNUAL SEVEN-DAY MINIMUM	0.89	Aug 15	0.79	Sep 24	0.75	Oct 1, 2003
ANNUAL RUNOFF (AC-FT)	7,160		5,290		6,510	
ANNUAL RUNOFF (CFSM)	2.36		1.75		2.15	
ANNUAL RUNOFF (INCHES)	32.18		23.77		29.28	
10 PERCENT EXCEEDS	26		18		22	
50 PERCENT EXCEEDS	5.0		4.0		4.7	
90 PERCENT EXCEEDS	1.5		0.92		0.98	

e Estimated



2005 Water Year UMPQUA RIVER BASIN

14319830 SOUTH FORK HINKLE CREEK NEAR NONPAREIL, OR

Latitude: 43° 25 ' 20"

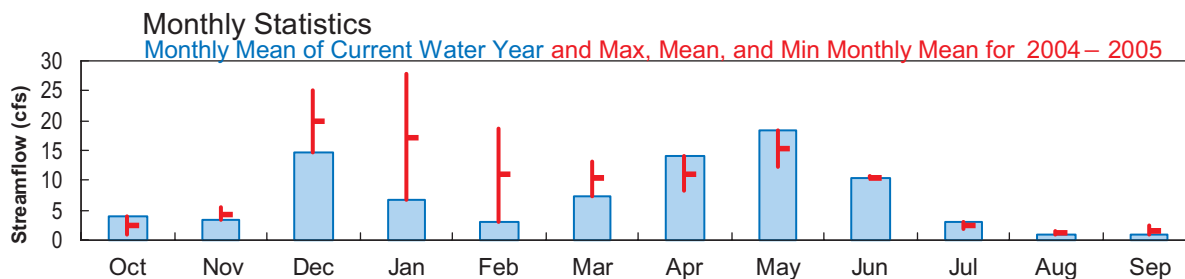
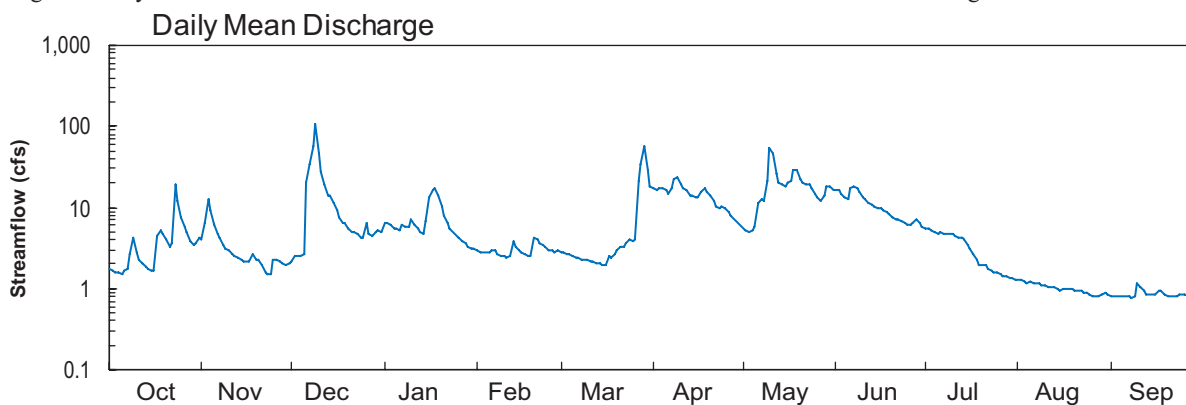
Longitude: 123° 02 ' 18"

Hydrologic Unit Code: 17100303

Douglas County

Datum: 1420 feet

Drainage Area: 4.17 mi²



UMPQUA RIVER BASIN

14319835 NORTH FORK HINKLE CREEK NEAR NONPAREIL, OR

LOCATION.--Lat 43°25'25", long 123°02'17", in NE ¼ NW ¼ sec.10, T.25 S., R.3 W., Douglas County, Hydrologic Unit 17100303, on left bank, 7 mi east of Nonpareil and 500 ft upstream from confluence with South Fork Hinkle Creek.

DRAINAGE AREA.--3.15 mi².

PERIOD OF RECORD.--July 2003 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 1,420 ft above NGVD of 1929, from topographic map.

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

AVERAGE DISCHARGE.--2 years (water years 2004-05), 6.16 ft³/s, 26.58 in/yr, 4,460 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge 112 ft³/s Dec. 9, 2004, gage height, 2.91 ft; minimum discharge, 0.14 ft³/s Sept. 3-6, 2003.

EXTREMES FOR CURRENT YEAR.--Maximum discharge 112 ft³/s Dec. 9, gage height, 2.91 ft; minimum discharge, 0.23 ft³/s Nov. 24.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.64	3.6	1.6	4.3	1.7	1.0	14	4.0	11	1.9	0.71	0.39
2	0.58	5.0	e1.8	e3.9	1.6	0.99	14	3.8	11	1.8	0.74	0.40
3	0.54	8.7	e2.2	e3.9	1.5	0.92	13	3.5	10	1.7	0.70	0.42
4	0.49	5.8	2.5	e3.8	1.6	0.90	15	3.8	8.9	1.6	0.67	0.36
5	0.46	4.2	3.0	e3.6	1.6	0.86	14	4.7	8.2	1.5	0.63	0.34
6	0.55	3.5	14	2.8	1.5	0.81	12	11	10	1.6	0.61	0.35
7	0.63	2.9	22	3.6	1.6	0.78	15	11	11	1.6	0.63	0.37
8	1.1	2.6	45	3.9	1.4	0.75	19	10	10	1.6	0.59	0.34
9	2.5	2.3	68	4.5	1.3	0.71	19	16	9.0	1.7	0.55	0.34
10	1.2	2.0	34	5.8	1.2	0.70	15	48	7.8	1.8	0.58	0.60
11	0.93	2.0	20	5.8	1.1	0.67	13	36	7.0	1.6	0.56	0.55
12	0.78	1.8	16	5.1	1.2	0.67	12	21	6.1	1.5	0.56	0.43
13	0.68	1.7	12	4.5	2.8	0.63	10	15	5.5	1.4	0.53	0.39
14	0.60	1.5	13	4.2	1.8	0.61	10	12	5.0	1.4	0.50	0.36
15	0.57	1.2	11	5.6	1.5	0.59	9.9	11	4.5	1.3	0.47	0.36
16	0.55	1.2	9.5	9.0	1.3	0.59	10	17	4.4	1.3	0.46	0.37
17	2.5	0.82	8.2	10	1.2	0.75	12	19	4.2	1.2	0.49	0.40
18	2.8	1.5	7.1	11	1.1	0.70	14	24	3.9	1.1	0.49	0.39
19	2.5	1.2	6.5	9.4	1.1	0.79	12	24	3.4	1.1	0.44	0.36
20	2.3	0.73	5.7	7.8	2.7	0.94	11	19	3.1	1.1	0.40	0.34
21	1.8	0.52	5.0	6.7	2.1	1.1	8.9	15	2.9	1.0	0.41	0.33
22	2.8	0.40	4.5	5.8	1.7	1.3	7.7	14	2.9	1.1	0.41	0.33
23	21	0.29	4.2	5.2	1.4	1.4	7.7	12	2.7	1.0	0.45	0.34
24	13	0.27	3.6	4.6	1.2	1.6	7.6	11	2.4	0.96	0.44	0.33
25	7.4	1.7	3.4	4.2	1.1	1.5	7.2	9.7	2.2	0.90	0.40	e0.33
26	5.2	2.4	5.2	3.8	1.1	1.5	6.5	8.3	2.2	0.87	0.37	e0.32
27	3.8	1.7	4.2	3.4	1.0	14	5.9	7.3	2.3	0.85	0.37	e0.32
28	3.2	1.3	3.8	3.1	1.1	23	5.3	8.2	2.6	0.82	0.36	0.31
29	2.8	0.91	4.2	2.5	---	29	4.8	13	2.2	0.76	0.37	0.31
30	3.4	1.1	4.2	2.2	---	22	4.4	12	1.9	0.72	0.39	0.35
31	4.1	---	4.0	1.9	---	16	---	10	---	0.71	0.38	---
TOTAL	91.40	64.84	349.4	155.9	41.5	127.76	329.9	434.3	168.3	39.49	15.66	11.13
MEAN	2.95	2.16	11.3	5.03	1.48	4.12	11.0	14.0	5.61	1.27	0.51	0.37
MAX	21	8.7	68	11	2.8	29	19	48	11	1.9	0.74	0.60
MIN	0.46	0.27	1.6	1.9	1.0	0.59	4.4	3.5	1.9	0.71	0.36	0.31
AC-FT	181	129	693	309	82	253	654	861	334	78	31	22
CFSM	0.94	0.69	3.58	1.60	0.47	1.31	3.49	4.45	1.78	0.40	0.16	0.12
IN.	1.08	0.77	4.13	1.84	0.49	1.51	3.90	5.13	1.99	0.47	0.18	0.13

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2004 - 2005, BY WATER YEAR (WY)

MEAN	1.67	2.76	14.2	12.6	8.46	7.15	8.42	9.96	6.19	1.25	0.65	0.65
MAX	2.95	3.37	17.1	20.1	15.2	10.2	11.0	14.0	6.77	1.27	0.80	0.93
(WY)	(2005)	(2004)	(2004)	(2004)	(2004)	(2004)	(2005)	(2005)	(2004)	(2005)	(2004)	(2004)
MIN	0.38	2.16	11.3	5.03	1.48	4.12	5.85	5.92	5.61	1.23	0.51	0.37
(WY)	(2004)	(2005)	(2005)	(2005)	(2005)	(2005)	(2004)	(2004)	(2005)	(2004)	(2005)	(2005)

UMPQUA RIVER BASIN

14319835 NORTH FORK HINKLE CREEK NEAR NONPAREIL, OR—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 2004 - 2005	
ANNUAL TOTAL	2,537.78		1,829.58		6.16	
ANNUAL MEAN	6.93		5.01		7.31	
HIGHEST ANNUAL MEAN					5.01	
LOWEST ANNUAL MEAN					68	
HIGHEST DAILY MEAN	68	Dec 9	68	Dec 9	68	Dec 9, 2004
LOWEST DAILY MEAN	0.27	Nov 24	0.27	Nov 24	0.25	Oct 19, 2003
ANNUAL SEVEN-DAY MINIMUM	0.42	Sep 5	0.32	Sep 23	0.32	Sep 23, 2005
ANNUAL RUNOFF (AC-FT)	5,030		3,630		4,460	
ANNUAL RUNOFF (CFSM)	2.20		1.59		1.96	
ANNUAL RUNOFF (INCHES)	29.97		21.61		26.58	
10 PERCENT EXCEEDS	18		13		17	
50 PERCENT EXCEEDS	3.9		2.0		2.9	
90 PERCENT EXCEEDS	0.61		0.40		0.44	

e Estimated



2005 Water Year UMPQUA RIVER BASIN

14319835 NORTH FORK HINKLE CREEK NEAR NONPAREIL, OR

Latitude: 43° 25 ' 25"

Longitude: 123° 02 ' 17"

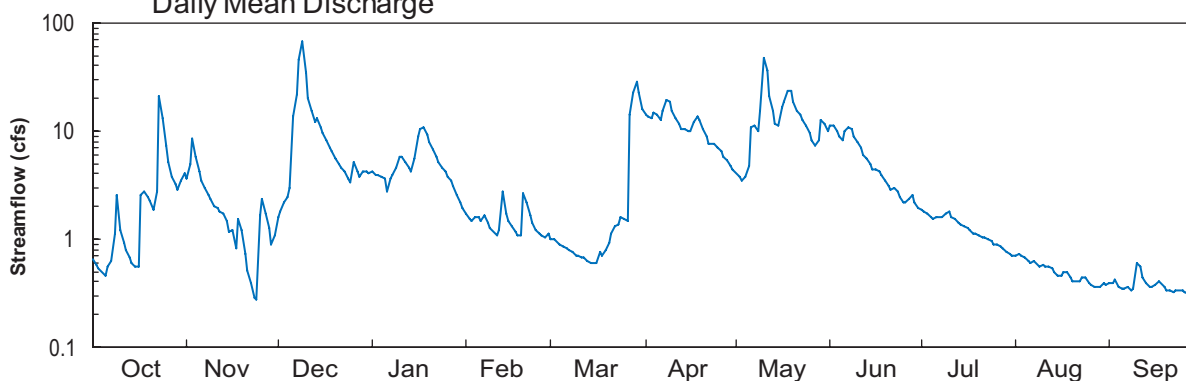
Hydrologic Unit Code: 17100303

Douglas County

Datum: 1420 feet

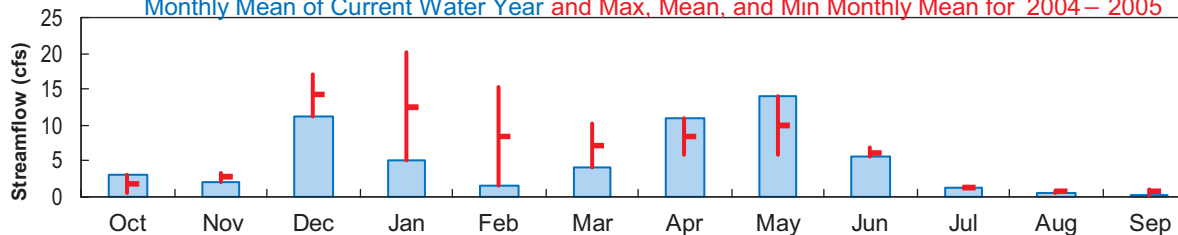
Drainage Area: 3.15 mi²

Daily Mean Discharge



Monthly Statistics

Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 2004 - 2005



UMPQUA RIVER BASIN

14321000 UMPQUA RIVER NEAR ELKTON, OR

LOCATION.--Lat 43°35'10", long 123°33'15", in NW ¼ sec.8, T.23 S., R.7 W., Douglas County, Hydrologic Unit 17100303, on left bank 3.5 mi south of Elkton, 8.3 mi upstream from Elk Creek, and at mile 56.9.

DRAINAGE AREA.--3,683 mi².

PERIOD OF RECORD.--October 1905 to current year.

REVISED RECORDS.--WSP 1184: 1927(M), 1938(M), 1943(M), 1946(M). WSP 1448: 1911-13, drainage area.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 90.42 ft above NGVD of 1929. Prior to June 29, 1972, at site 2,400 ft downstream at same datum. See WSP 1931 or 2135 for history of changes prior to June 29, 1972.

REMARKS.--Records fair. Regulation by powerplants on North Umpqua River ordinarily does not affect discharge at this station. Diversions for irrigation upstream from station.

AVERAGE DISCHARGE.--100 years (water years 1906-2005), 7,343 ft³/s, 27.09 in/yr, 5,320,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 265,000 ft³/s Dec. 23, 1964, gage height, 51.95 ft, from floodmarks; minimum discharge observed, 640 ft³/s July 18, 1926.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least December 1861, 51.95 ft on Dec. 23, 1964.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 52,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec 9	2330	*93,000	*27.27				
						No other peak greater than base discharge.	

Minimum discharge, 865 ft³/s, Aug. 28, gage height, 2.65 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,210	2,120	1,650	3,870	3,310	2,350	13,900	4,920	5,710	1,930	1,070	913
2	1,190	2,200	1,590	4,330	3,070	2,360	12,800	4,710	5,180	1,870	1,050	915
3	1,170	2,240	1,580	4,520	2,900	2,400	11,300	4,600	4,860	1,850	1,040	926
4	1,150	3,580	1,590	4,190	2,740	2,290	11,100	4,390	4,450	1,790	1,030	935
5	1,130	4,020	1,560	3,850	2,630	2,230	12,000	4,370	4,090	1,720	1,020	940
6	1,130	3,150	1,580	3,540	2,570	2,120	10,800	4,930	3,980	1,690	1,020	954
7	1,130	2,550	3,260	3,310	2,530	2,030	10,000	6,320	5,160	1,630	1,020	954
8	1,120	2,130	10,100	3,560	2,570	1,950	13,900	7,300	6,260	1,600	1,010	959
9	1,180	1,880	65,000	5,640	2,520	1,900	15,900	11,200	6,160	1,580	1,000	974
10	1,320	1,730	65,200	6,610	2,400	1,850	14,900	32,500	5,510	1,580	979	1,010
11	1,450	1,630	26,300	6,050	2,320	1,820	12,500	37,700	4,760	1,590	963	1,050
12	1,380	1,550	15,600	5,540	2,280	1,770	11,800	23,700	4,340	1,600	960	1,080
13	1,330	1,490	11,000	5,070	2,470	1,730	11,200	16,200	4,060	1,550	954	1,100
14	1,240	1,440	8,920	4,630	2,870	1,700	9,860	12,200	3,770	1,520	958	1,080
15	1,190	1,430	8,250	4,340	2,830	1,660	8,800	9,870	3,480	1,470	942	e1,060
16	1,160	1,420	7,230	4,550	2,680	1,640	8,020	8,980	3,250	1,420	934	e1,060
17	1,170	1,400	6,160	7,170	2,500	1,650	7,920	9,560	3,070	1,390	926	e1,060
18	1,230	1,380	5,320	10,000	2,380	1,680	10,300	10,800	3,090	1,360	930	e1,070
19	1,700	1,370	4,650	13,100	2,260	1,720	10,400	16,200	3,190	1,340	930	e1,080
20	2,270	1,370	4,210	11,300	2,490	1,850	9,120	15,200	3,060	1,300	921	1,060
21	2,130	1,350	3,870	9,130	3,950	2,000	7,960	12,800	2,830	1,260	917	1,050
22	1,880	1,310	3,530	7,570	3,840	2,560	6,980	10,900	2,580	1,250	917	1,060
23	1,710	1,280	3,270	6,410	3,530	3,040	6,590	9,250	2,450	1,230	903	1,050
24	3,990	1,260	3,040	5,700	3,150	3,490	6,700	7,910	2,370	1,210	895	1,040
25	4,830	1,260	2,850	5,200	2,860	3,670	6,980	6,860	2,310	1,200	894	1,030
26	3,340	1,300	2,780	4,730	2,650	3,470	6,660	6,080	2,230	1,190	882	1,030
27	2,490	1,670	3,190	4,430	2,510	3,360	6,090	5,420	2,140	1,160	877	1,030
28	2,330	2,140	3,240	4,290	2,400	14,600	5,680	5,080	2,060	1,150	876	1,020
29	2,330	1,960	3,130	4,020	---	35,300	5,560	5,600	2,040	1,130	892	1,040
30	2,100	1,760	3,240	3,800	---	35,400	5,420	7,370	2,010	1,100	889	1,060
31	1,960	---	3,500	3,580	---	20,300	---	6,750	---	1,080	895	---
TOTAL	54,940	55,370	286,390	174,030	77,210	165,890	291,140	329,670	110,450	44,740	29,494	30,590
MEAN	1,772	1,846	9,238	5,614	2,758	5,351	9,705	10,630	3,682	1,443	951	1,020
MAX	4,830	4,020	65,200	13,100	3,950	35,400	15,900	37,700	6,260	1,930	1,070	1,100
MIN	1,120	1,260	1,560	3,310	2,260	1,640	5,420	4,370	2,010	1,080	876	913
AC-FT	109,000	109,800	568,100	345,200	153,100	329,000	577,500	653,900	219,100	88,740	58,500	60,680
CFSM	0.48	0.50	2.51	1.52	0.75	1.45	2.63	2.89	1.00	0.39	0.26	0.28
IN.	0.55	0.56	2.89	1.76	0.78	1.68	2.94	3.33	1.12	0.45	0.30	0.31

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1906 - 2005, BY WATER YEAR (WY)

	1,852	6,872	13,380	15,750	14,810	12,040	9,511	6,512	3,710	1,711	1,173	1,194
MEAN												
MAX	14,200	29,500	51,220	34,900	32,800	27,100	20,480	15,800	9,526	5,063	1,867	3,475
(WY)	(1951)	(1974)	(1965)	(1956)	(1907)	(1972)	(1937)	(1921)	(1953)	(1913)	(1976)	(1920)
MIN	857	832	1,238	1,440	1,365	2,909	2,432	1,934	1,053	742	703	740
(WY)	(1930)	(1930)	(1977)	(1977)	(1977)	(1992)	(1926)	(1934)	(1926)	(1926)	(1931)	(1931)

UMPQUA RIVER BASIN

14321000 UMPQUA RIVER NEAR ELKTON, OR—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1906 - 2005	
ANNUAL TOTAL	2,183,643		1,649,914		7,343	
ANNUAL MEAN	5,966		4,520		13,360	
HIGHEST ANNUAL MEAN					2,321	
LOWEST ANNUAL MEAN					1974	
HIGHEST DAILY MEAN	65,200	Dec 10	65,200	Dec 10	260,000	Dec 23, 1964
LOWEST DAILY MEAN	975	Aug 15	876	Aug 28	663	Sep 1, 1931
ANNUAL SEVEN-DAY MINIMUM	990	Aug 15	886	Aug 24	663	Sep 1, 1931
ANNUAL RUNOFF (AC-FT)	4,331,000		3,273,000		5,320,000	
ANNUAL RUNOFF (CFSM)	1.62		1.23		1.99	
ANNUAL RUNOFF (INCHES)	22.06		16.66		27.09	
10 PERCENT EXCEEDS	15,100		10,200		17,000	
50 PERCENT EXCEEDS	3,480		2,400		3,900	
90 PERCENT EXCEEDS	1,140		1,020		1,060	

e Estimated



2005 Water Year
UMPQUA RIVER BASIN

14321000 UMPQUA RIVER NEAR ELKTON, OR

Latitude: 43° 35' 10"

Longitude: 123° 33' 15"

Hydrologic Unit Code: 17100303

Douglas County

Datum: 90.42 feet

Drainage Area: 3683 mi²

