

## ELWHA RIVER BASIN

12044900 ELWHA RIVER ABOVE LAKE MILLS, NEAR PORT ANGELES, WA

LOCATION.--Lat 47°58'21", long 123°35'25", in NE $\frac{1}{4}$ NE $\frac{1}{4}$  sec.32, T.29 N., R.7 W., Clallam County, Hydrologic Unit 17110020, Olympic National Park, on right bank 30 ft upstream from Cat Creek, 2.5 mi above Glines Canyon Dam, 12.5 mi southwest of Port Angeles, and at mile 16.0.

DRAINAGE AREA.--198 mi<sup>2</sup>.

## WATER-DISCHARGE RECORDS

PERIOD OF RECORD --March 1994 to May 1998, February 2004 to current year.

GAGE.--Water-stage recorder. Elevation of gage 580 ft above NGVD of 1929 from topographic map. Prior to February 2004, gage on left bank 0.2 mi upstream, at different datum, 580.00 ft above NGVD of 1929.

REMARKS.--Records fair except for flows above 700 ft<sup>3</sup>/s, which are poor. No regulation or diversion upstream from station. U.S. Geological Survey satellite telemeter at station.

AVERAGE DISCHARGE.--4 years (water years 1995-97, 2005), 1,433 ft<sup>3</sup>/s, 98.33 in/yr, 1,038,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 17,400 ft<sup>3</sup>/s, Nov. 8, 1995, gage height, 21.16 ft; minimum discharge, 187 ft<sup>3</sup>/s, Sept. 25, 27, 28, 2005.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 12,000 ft<sup>3</sup>/s, Dec. 10, gage height, 17.72 ft; minimum discharge, 187 ft<sup>3</sup>/s, Sept. 25, 27, 28.

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	374	1,300	1,380	1,130	1,940	1,030	2,430	1,760	1,770	633	412	268
2	360	4,310	1,300	1,060	1,880	953	2,030	1,920	1,550	588	384	267
3	349	2,070	1,230	1,000	1,750	881	1,930	1,870	1,450	561	370	256
4	337	1,630	1,290	951	1,980	819	1,710	1,870	1,350	562	372	247
5	353	1,410	1,240	917	1,770	794	1,570	1,830	1,260	586	377	243
6	504	1,370	1,160	902	1,660	771	1,610	1,780	1,150	884	377	241
7	365	1,560	1,140	903	1,550	989	1,630	1,640	1,100	592	370	239
8	1,210	1,350	1,540	879	1,460	915	1,580	1,480	1,060	945	363	242
9	1,410	1,190	1,540	839	1,390	1,120	1,420	1,440	1,010	748	361	237
10	1,090	1,080	8,440	801	1,340	968	1,320	1,870	1,010	591	356	227
11	794	998	6,780	776	1,290	910	1,440	1,710	1,050	618	341	224
12	686	938	3,970	767	1,260	896	1,310	1,600	951	644	340	223
13	628	913	3,590	736	1,210	798	1,240	1,550	980	570	339	222
14	578	1,040	5,400	707	1,140	756	1,170	1,660	922	543	335	223
15	544	1,330	3,890	712	1,080	729	1,170	2,030	838	542	333	221
16	594	1,160	e3,200	855	1,040	782	2,680	1,690	809	539	326	223
17	713	1,050	e2,900	5,120	1,020	748	1,860	1,400	1,060	522	360	221
18	760	1,360	2,920	7,450	993	701	1,490	1,940	886	519	324	216
19	876	1,180	2,750	5,750	963	745	1,330	3,120	817	506	308	216
20	812	1,030	2,350	4,800	917	2,120	1,280	2,820	825	481	307	210
21	689	986	e2,050	3,930	889	1,590	1,390	2,340	866	472	302	204
22	721	1,000	1,930	5,540	865	1,250	1,630	2,520	867	480	296	200
23	661	972	1,790	5,230	844	1,110	1,830	2,350	758	465	285	197
24	600	3,150	1,680	3,980	819	1,010	2,040	2,110	723	446	277	194
25	610	3,910	1,730	3,420	808	938	2,160	1,960	720	436	271	193
26	671	2,260	1,650	3,150	789	2,130	2,300	1,980	695	429	271	194
27	604	1,920	1,470	2,960	770	2,200	2,450	2,140	674	427	275	194
28	568	1,670	1,380	2,580	828	1,820	2,220	2,260	645	433	291	189
29	546	1,550	1,330	2,330	---	1,710	1,970	2,230	688	427	314	1,280
30	1,000	1,470	1,270	2,190	---	1,580	1,830	2,090	687	414	273	987
31	790	---	1,190	2,170	---	1,510	---	1,980	---	411	268	---
TOTAL	20,797	47,157	75,480	74,535	34,245	35,273	52,020	60,940	29,171	17,014	10,178	8,498
MEAN	671	1,572	2,435	2,404	1,223	1,138	1,734	1,966	972	549	328	283
MAX	1,410	4,310	8,440	7,450	1,980	2,200	2,680	3,120	1,770	945	412	1,280
MIN	337	913	1,140	707	770	701	1,170	1,400	645	411	268	189
AC-FT	41,250	93,540	149,700	147,800	67,920	69,960	103,200	120,900	57,860	33,750	20,190	16,860
CFSM	3.39	7.94	12.3	12.1	6.18	5.75	8.76	9.93	4.91	2.77	1.66	1.43
IN.	3.91	8.86	14.18	14.00	6.43	6.63	9.77	11.45	5.48	3.20	1.91	1.60

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2005, BY WATER YEAR (WY)

MEAN	951	1,698	2,146	2,193	1,868	1,437	1,290	1,735	1,494	962	509	469
MAX	2,179	3,636	3,039	2,787	2,843	2,286	1,734	2,572	2,294	1,628	755	915
(WY)	(1998)	(1996)	(1996)	(1997)	(1995)	(1997)	(2005)	(1997)	(1997)	(1997)	(1997)	(1997)
MIN	438	684	1,354	1,921	1,223	1,071	763	1,171	972	549	328	283
(WY)	(1995)	(1995)	(1997)	(1996)	(2005)	(1996)	(1998)	(1996)	(2005)	(2005)	(2005)	(2005)

## 12044900 ELWHA RIVER ABOVE LAKE MILLS, NEAR PORT ANGELES, WA—Continued

SUMMARY STATISTICS	FOR 2005 WATER YEAR	WATER YEARS 1994 - 2005
ANNUAL TOTAL	465,308	
ANNUAL MEAN	1,275	
HIGHEST ANNUAL MEAN		1,433
LOWEST ANNUAL MEAN		1,610
HIGHEST DAILY MEAN	8,440	1,275
LOWEST DAILY MEAN	189	2005
ANNUAL SEVEN-DAY MINIMUM	194	Mar 19, 1997
ANNUAL RUNOFF (AC-FT)	922,900	Sep 28, 2005
ANNUAL RUNOFF (CFSM)	6.44	Sep 22, 2005
ANNUAL RUNOFF (INCHES)	87.42	1997
10 PERCENT EXCEEDS	2,280	1,890
50 PERCENT EXCEEDS	998	2,670
90 PERCENT EXCEEDS	294	1,090
		356

e Estimated

## ELWHA RIVER BASIN

12044900 ELWHA RIVER ABOVE LAKE MILLS, NEAR PORT ANGELES, WA—Continued

## WATER-QUALITY RECORDS

## PERIOD OF DAILY RECORD--

WATER TEMPERATURE: April 1994 to May 1998, February 2004 to September 2005 (discontinued).

TURBIDITY: December 2003 to September 2005 (discontinued).

SUSPENDED SEDIMENT DISCHARGE: March 1994 to December 1997.

INSTRUMENTATION--Water-quality monitor since December 2003. Temperature and turbidity sensors interfaced with an electronic data logger, with 15-minute logging interval.

## REMARKS.--

WATER TEMPERATURE: Records excellent except Nov. 14 to May 31 and June 12-19, which are good.

TURBIDITY: Records good except Mar. 11-29, which are fair.

## EXTREMES FOR PERIOD OF RECORD--

WATER TEMPERATURE: Maximum 16.1°C, Aug. 19, 2004; minimum, 0.0°C, Jan. 30, 31, Dec. 26, 27, 29, 30, 1996, Jan. 11, 12, 1998.

TURBIDITY: Maximum 1,040 FNU, Nov. 2, Dec. 10, and Sept. 29, 2004; minimum, 0.0 FNU, July 21, 2004, Aug. 19-27, 30-31, and Sept. 6-29, 2005.

SUSPENDED SEDIMENT CONCENTRATION (March 1994 to December 1997): Maximum daily, 4,130 mg/L, Nov. 8, 1995; minimum, 1 mg/L on many days during each year.

SUSPENDED SEDIMENT DISCHARGE (April 1994 to September 1995): Maximum daily, 158,000 tons, Nov. 8, 1995; minimum daily, 0.56 tons, Oct. 13, 16, 1994 (estimated).

## EXTREMES FOR CURRENT YEAR--

WATER TEMPERATURE: Maximum, 15.8°C, Aug. 15, minimum, 1.0°C, Jan. 15.

TURBIDITY: Maximum, 1,040 FNU, Nov. 2, Dec. 10, and Sept. 29; minimum, 0.0 FNU, Aug. 19-27, 30-31, and Sept. 6-29.

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	---	---	---	6.1	5.4	5.7	4.9	4.6	4.8	4.1	3.9	4.0
2	---	---	---	6.2	5.5	6.0	5.0	4.7	4.9	3.9	3.5	3.7
3	---	---	---	5.9	4.8	5.3	5.3	4.4	4.8	3.5	2.8	3.0
4	---	---	---	5.4	4.4	4.9	5.5	5.2	5.4	2.9	2.0	2.4
5	---	---	---	5.4	4.7	5.1	5.3	4.2	4.6	2.0	1.5	1.8
6	10.3	9.2	9.6	6.6	5.3	5.9	4.6	4.1	4.3	2.9	1.9	2.4
7	---	---	---	7.6	6.6	7.2	4.7	4.1	4.4	3.0	2.2	2.6
8	---	---	---	7.4	6.8	7.1	4.9	4.5	4.7	2.6	2.0	2.3
9	9.0	8.3	8.6	7.3	6.8	7.1	5.1	4.2	4.6	2.5	2.1	2.3
10	9.2	8.1	8.6	7.3	6.4	7.0	5.2	4.1	4.8	2.4	2.1	2.3
11	9.6	8.4	9.0	6.4	5.6	5.9	5.3	4.5	4.9	2.4	1.6	2.0
12	9.9	8.9	9.3	6.4	5.3	5.8	4.8	4.2	4.5	3.1	2.4	2.8
13	10.1	8.9	9.5	6.8	6.4	6.6	6.0	4.8	5.4	2.9	2.0	2.3
14	10.0	8.9	9.5	7.4	6.6	7.0	5.9	5.6	5.7	2.3	1.4	2.0
15	10.2	9.2	9.7	7.3	6.7	7.1	5.6	4.9	5.3	2.1	1.0	1.4
16	10.1	9.4	9.7	6.7	5.7	6.1	---	5.1	---	3.4	2.1	3.0
17	9.4	8.1	8.6	5.9	4.9	5.3	6.4	---	---	3.7	3.0	3.4
18	8.1	7.4	7.8	5.6	5.3	5.5	6.5	6.3	6.4	5.1	3.6	4.5
19	8.1	7.5	7.8	5.3	4.5	4.8	6.6	5.4	6.3	5.9	5.0	5.5
20	8.5	7.8	8.2	5.0	4.1	4.6	5.4	4.3	4.9	6.1	5.6	5.8
21	8.2	7.2	7.7	5.9	4.8	5.3	5.0	4.2	---	6.3	5.3	5.7
22	8.0	7.3	7.6	6.3	5.7	6.0	4.9	4.3	4.5	6.4	6.2	6.3
23	7.4	6.4	6.8	6.5	5.7	6.1	4.5	4.2	4.3	6.6	6.2	6.4
24	6.6	5.9	6.3	6.5	6.3	6.4	5.2	4.4	4.8	6.4	6.0	6.3
25	6.9	6.3	6.6	6.4	5.4	6.0	5.4	5.1	5.3	6.5	5.8	6.1
MONTH	---	---	---	7.6	3.2	5.7	---	---	---	6.6	1.0	4.1

12044900 ELWHA RIVER ABOVE LAKE MILLS NEAR PORT ANGELES, WA—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	5.5	4.7	5.1	6.0	4.8	5.4	6.0	4.3	5.3	8.8	6.7	7.8
2	5.9	5.4	5.6	6.0	5.0	5.6	5.7	4.2	4.9	8.2	7.2	7.6
3	6.3	5.2	5.7	5.5	4.2	5.0	6.2	5.0	5.5	9.2	6.8	7.9
4	6.3	5.3	6.1	5.7	4.5	5.1	6.3	4.5	5.4	8.6	7.2	7.9
5	5.3	4.4	4.7	5.9	4.6	5.3	5.8	4.7	5.3	9.6	6.8	8.2
6	4.5	3.8	4.1	6.2	4.8	5.6	7.0	5.3	6.1	9.5	7.1	8.4
7	4.4	3.9	4.2	7.3	6.2	6.6	6.6	5.9	6.3	8.5	6.6	7.7
8	4.3	3.8	4.0	6.9	5.6	6.3	6.5	4.8	5.8	8.4	6.8	7.6
9	4.2	3.6	3.9	7.1	6.4	6.7	6.4	4.2	5.4	9.0	7.3	8.0
10	4.1	3.3	3.8	7.4	6.1	6.8	6.2	4.4	5.3	8.6	7.7	8.1
11	4.2	3.3	3.8	7.5	6.1	6.9	6.4	5.1	5.7	9.6	7.3	8.4
12	5.2	4.2	4.7	7.2	5.9	6.6	5.4	4.2	4.8	9.9	7.6	8.8
13	4.7	4.0	4.2	6.1	4.6	5.5	6.1	4.0	5.1	9.3	7.8	8.6
14	4.0	3.1	3.6	6.0	4.4	5.3	6.2	4.5	5.4	9.5	8.3	9.0
15	3.1	2.4	2.8	6.4	4.7	5.6	6.1	5.0	5.5	9.4	8.2	8.8
16	2.7	2.1	2.5	6.0	5.2	5.7	6.0	5.1	5.7	8.8	7.2	8.1
17	3.1	2.2	2.7	5.8	4.4	5.2	6.5	4.7	5.5	8.2	6.5	7.5
18	3.2	2.3	2.8	5.5	4.2	5.0	7.4	5.0	6.1	8.4	7.1	7.6
19	3.1	2.3	2.8	5.1	3.8	4.6	7.4	4.7	6.1	7.3	6.7	6.9
20	3.1	2.2	2.7	5.3	4.6	5.1	8.0	5.0	6.6	7.7	6.2	6.9
21	3.1	2.1	2.7	5.1	3.8	4.5	8.4	5.7	7.1	7.7	6.2	6.9
22	3.4	2.2	2.9	5.7	4.3	5.0	8.7	6.1	7.4	7.1	6.4	6.8
23	3.7	2.5	3.2	5.5	4.0	4.9	7.9	6.1	7.1	8.1	5.9	7.0
24	4.1	2.8	3.5	5.7	4.3	5.0	8.6	6.6	7.6	9.2	6.2	7.7
25	4.5	3.4	4.0	5.9	4.3	5.2	8.9	6.6	7.7	9.9	6.5	8.1
26	4.6	3.4	4.0	5.6	5.3	5.4	9.2	6.2	7.7	10.7	7.3	9.0
27	4.9	3.6	4.3	6.3	5.2	5.7	8.9	6.5	7.7	11.2	8.0	9.6
28	5.6	4.5	5.0	6.2	5.2	5.6	8.4	6.4	7.3	11.7	8.5	10.1
29	---	---	---	5.3	4.6	4.8	7.4	6.6	7.0	11.6	8.9	10.2
30	---	---	---	6.3	4.2	5.1	8.4	6.6	7.5	11.2	8.9	10.0
31	---	---	---	6.0	4.9	5.5	---	---	---	10.2	8.7	9.3
MONTH	6.3	2.1	3.9	7.5	3.8	5.5	9.2	4.0	6.2	11.7	5.9	8.2
	JUNE			JULY			AUGUST			SEPTEMBER		
1	9.3	7.7	8.5	12.4	9.8	11.2	15.3	12.9	13.9	13.9	11.2	12.4
2	9.7	7.9	8.8	11.6	10.2	10.8	14.3	11.3	12.8	14.2	11.7	12.7
3	10.6	7.8	9.1	12.4	9.2	10.8	14.2	10.9	12.6	13.6	11.4	12.2
4	9.4	7.8	8.7	13.0	10.2	11.5	14.6	11.4	13.0	12.5	11.3	11.8
5	8.9	7.6	8.3	11.9	10.5	11.2	15.4	11.9	13.6	12.8	10.3	11.5
6	9.1	7.1	8.1	12.1	10.5	11.3	15.6	12.6	14.0	12.8	10.0	11.2
7	9.1	7.3	8.2	12.3	9.6	11.0	15.3	12.4	13.9	12.7	10.0	11.3
8	8.7	7.9	8.3	11.4	10.4	10.8	15.4	12.3	13.8	13.4	10.5	11.7
9	9.7	7.9	8.7	11.3	9.3	10.4	15.4	12.4	13.8	12.7	10.5	11.4
10	9.5	8.0	8.8	10.7	9.5	10.2	14.9	12.5	13.6	11.8	10.4	11.0
11	9.9	8.3	9.1	11.5	9.7	10.6	14.9	12.7	13.6	12.1	10.3	11.1
12	10.6	7.8	9.1	12.1	10.0	11.0	15.0	12.2	13.5	12.6	10.2	11.2
13	10.3	8.3	9.3	13.8	10.3	11.9	15.3	12.2	13.7	12.6	10.0	11.1
14	9.6	8.1	8.9	13.4	10.2	11.9	15.6	12.5	13.9	12.6	10.1	11.2
15	10.8	7.7	9.3	12.2	10.9	11.3	15.8	12.9	14.2	12.2	10.1	11.0
16	10.4	8.5	9.4	14.0	10.6	12.1	15.4	12.8	14.0	11.8	10.5	11.0
17	10.6	8.7	9.6	14.1	10.6	12.4	15.3	13.1	14.0	11.8	9.8	10.6
18	10.2	8.9	9.6	14.5	11.2	12.9	15.4	12.3	13.7	11.9	9.9	10.8
19	11.9	8.6	10.1	14.0	11.0	12.7	14.6	11.9	13.3	12.4	10.5	11.1
20	12.6	8.9	10.7	14.0	11.0	12.6	15.1	12.1	13.4	11.7	9.5	10.5
21	11.7	10.0	11.0	14.2	11.1	12.8	14.8	12.0	13.4	10.8	8.8	9.7
22	11.6	10.2	10.8	14.3	12.0	13.0	14.9	12.3	13.5	10.6	8.4	9.3
23	12.1	8.7	10.4	14.1	11.2	12.7	14.3	11.5	12.8	10.1	7.8	8.8
24	12.1	9.6	10.9	14.1	11.1	12.7	14.1	11.0	12.4	9.9	7.4	8.6
25	13.2	9.9	11.5	14.2	11.1	12.7	13.9	10.7	12.1	10.3	7.9	8.9
26	11.7	10.0	10.4	14.3	11.2	12.8	14.0	10.8	12.3	10.7	8.2	9.3
27	10.7	9.6	10.1	14.7	11.5	13.1	14.4	11.5	12.8	10.8	8.6	9.6
28	13.1	9.3	11.0	15.2	12.1	13.6	13.7	12.2	12.8	10.4	8.3	9.3
29	13.0	10.2	11.6	14.8	12.0	13.4	13.1	11.4	12.1	10.9	9.8	10.3
30	13.3	10.6	11.8	15.0	11.9	13.5	11.9	11.2	11.5	10.8	9.9	10.5
31	---	---	---	15.0	12.1	13.7	13.9	11.2	12.2	---	---	---
MONTH	13.3	7.1	9.7	15.2	9.2	12.0	15.8	10.7	13.2	14.2	7.4	10.7

## ELWHA RIVER BASIN

12044900 ELWHA RIVER ABOVE LAKE MILLS NEAR PORT ANGELES, WA—Continued

 TURBIDITY, WATER, UNFILTERED, FIELD, NEPHELOMETRIC TURBIDITY 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	1.9	0.7	1.3	740	1.0	4.2	16	6.5	9.3	7.8	4.7	6.6
2	1.5	0.7	1.3	1,040	190	630	10	4.5	7.1	7.5	4.0	5.7
3	1.5	0.4	1.1	200	44	98	9.3	4.2	6.1	6.1	3.1	5.0
4	1.2	0.4	0.6	52	25	36	11	4.3	6.4	5.4	3.4	4.4
5	5.7	0.3	0.9	29	13	21	9.1	3.8	5.8	4.6	2.3	3.8
6	19	1.8	4.7	29	12	15	6.3	2.9	4.4	4.9	2.5	3.5
7	2.1	0.7	1.4	30	14	22	14	2.8	4.5	3.9	2.1	3.4
8	220	1.0	76	20	11	14	31	4.4	18	4.2	2.3	3.1
9	67	16	31	12	6.3	10	180	7.8	12	3.5	2.2	3.1
10	31	5.7	11	8.4	5.8	7.3	1,040	170	1,030	4.0	1.8	2.8
11	8.0	3.5	4.8	7.1	4.8	5.9	1,030	610	960	3.4	1.6	2.5
12	4.6	2.2	3.3	5.7	3.9	4.8	640	280	400	3.4	1.9	2.5
13	3.6	1.8	2.6	5.0	3.5	4.1	570	200	240	3.0	1.8	2.3
14	3.1	1.7	2.3	12	3.4	5.7	770	440	580	2.8	1.4	2.1
15	2.7	1.5	2.1	38	6.4	16	470	200	300	2.3	1.4	2.0
16	5.5	1.9	3.2	21	7.1	9.5	---	---	---	8.3	2.1	4.5
17	7.7	2.0	3.5	35	4.1	6.2	---	---	---	990	4.0	840
18	7.9	2.1	3.5	35	8.7	13	100	84	94	980	560	830
19	9.8	2.1	4.1	10	4.5	6.4	94	67	79	910	340	550
20	7.1	2.0	3.5	5.6	3.4	4.3	74	44	56	380	250	320
21	2.9	1.3	2.3	4.4	2.6	3.6	---	---	---	290	140	190
22	4.5	1.4	2.2	4.1	3.0	3.5	39	26	31	820	140	350
23	3.2	1.1	1.8	5.0	2.6	3.2	29	19	24	630	240	370
24	2.1	0.6	1.4	980	3.0	210	24	17	19	260	130	180
25	8.0	0.6	1.6	980	150	370	29	16	19	160	92	120
MAX	---	---	---	1,040	190	630	---	---	---	990	560	840
MIN	---	---	---	4.1	1.0	3.2	---	---	---	2.3	1.4	2.0
	FEBRUARY			MARCH			APRIL			MAY		
1	28	12	18	21	2.4	7.0	52	9.7	30	14	6.1	10
2	21	11	15	5.3	1.9	2.7	19	7.4	12	17	6.6	11
3	18	8.0	12	2.7	1.0	1.8	12	6.3	9.7	17	7.1	11
4	45	8.0	20	3.9	0.9	1.3	8.7	3.7	6.2	28	5.9	9.9
5	25	8.8	14	1.7	0.4	1.2	6.9	3.8	4.8	16	7.5	10
6	32	7.6	13	1.4	0.6	1.0	6.4	3.5	4.7	12	7.0	9.0
7	13	6.5	9.3	4.3	0.9	2.9	7.1	3.3	4.9	12	5.4	7.6
8	9.8	4.5	7.7	3.4	1.0	1.9	7.0	3.0	3.9	8.7	4.9	6.2
9	10	5.2	7.2	5.9	2.9	4.2	4.1	2.5	3.2	7.1	4.0	5.2
10	9.1	3.1	6.4	4.1	1.3	2.3	3.3	1.7	2.7	18	4.6	11
11	7.0	3.4	5.6	2.4	1.0	1.7	12	2.5	3.5	13	5.6	8.6
12	6.8	3.5	5.2	7.1	1.3	2.1	6.1	1.9	2.8	9.0	4.9	6.6
13	7.5	3.2	4.7	2.2	0.8	1.3	4.2	1.9	2.5	8.4	4.5	5.9
14	5.6	2.5	4.4	1.7	0.6	1.0	2.9	1.5	2.1	9.8	4.4	6.6
15	8.0	2.1	3.8	1.5	0.4	0.9	5.0	1.6	2.2	26	6.4	18
16	3.8	1.8	3.1	3.5	0.6	1.5	170	4.2	70	20	5.9	9.7
17	4.2	2.1	2.8	2.0	0.4	0.9	53	12	23	8.6	4.0	6.0
18	3.2	1.9	2.5	1.1	0.3	0.7	17	6.5	11	62	4.6	11
19	3.1	1.5	2.3	22	0.4	0.8	10	5.4	8.4	110	55	83
20	5.8	1.8	2.3	85	11	37	9.6	3.0	7.3	84	38	49
21	2.9	1.3	2.2	37	5.7	12	12	3.1	7.2	45	22	31
22	3.3	1.5	2.0	9.8	3.2	5.5	16	6.3	11	46	22	32
23	4.3	1.2	2.0	5.4	2.8	3.6	18	5.9	13	41	22	26
24	5.5	1.2	2.0	3.7	1.8	2.8	22	11	15	26	15	20
25	5.6	1.5	2.1	2.9	1.6	2.2	32	12	16	20	12	15
26	5.2	1.4	2.1	120	1.9	53	36	12	22	18	11	13
27	2.3	0.9	1.6	46	11	20	39	17	27	22	11	16
28	37	1.1	2.5	16	7.1	11	38	14	21	29	14	19
29	---	---	---	22	6.0	9.1	21	10	15	32	14	21
30	---	---	---	8.6	3.4	5.6	17	7.0	11	25	12	17
31	---	---	---	10	3.1	4.5	---	---	---	19	11	15
MAX	45	12	20	120	11	53	170	17	70	110	55	83
MIN	2.3	0.9	1.6	1.1	0.3	0.7	2.9	1.5	2.1	7.1	4.0	5.2

12044900 ELWHA RIVER ABOVE LAKE MILLS NEAR PORT ANGELES, WA—Continued

TURBIDITY, WATER, UNFILTERED, FIELD, NEPHELOMETRIC TURBIDITY UNITS—CONTINUED  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
1	16	7.4	12	2.4	0.9	1.8	3.0	1.2	2.1	5.1	0.3	1.7
2	11	5.5	7.7	2.1	0.8	1.3	2.5	0.2	1.2	6.2	0.6	2.0
3	8.0	4.6	6.1	1.6	0.6	1.2	1.5	0.2	0.7	4.8	0.2	1.4
4	6.6	3.5	4.8	1.9	0.6	1.4	1.9	0.1	0.7	2.2	0.4	1.1
5	5.5	2.4	3.8	5.0	0.7	1.7	2.9	0.3	1.0	2.3	0.6	1.6
6	4.7	1.9	3.0	23	3.8	13	2.7	0.5	1.3	1.6	0.0	0.1
7	7.1	1.6	3.1	8.7	1.4	2.4	2.1	0.3	1.0	1.9	0.0	0.1
8	3.8	1.5	2.4	34	1.3	3.8	2.3	0.2	1.1	2.2	0.0	0.2
9	---	---	---	21	2.3	4.9	3.1	0.2	1.0	2.2	0.0	0.3
10	---	---	---	3.2	1.1	1.9	2.1	0.3	1.0	1.8	0.0	0.0
11	---	---	---	2.6	1.0	1.7	2.0	0.2	0.7	0.4	0.0	0.0
12	---	---	---	2.8	1.1	1.7	3.6	0.5	1.9	0.7	0.0	0.0
13	---	---	---	2.3	0.6	1.4	3.2	0.5	1.6	0.3	0.0	0.0
14	---	---	---	3.8	0.6	1.1	3.1	0.5	1.3	2.2	0.0	0.0
15	2.8	1.7	2.2	2.1	0.5	1.3	3.7	0.4	1.8	0.7	0.0	0.0
16	2.5	1.5	2.0	2.3	0.8	1.3	3.1	0.4	1.6	0.7	0.0	0.0
17	7.9	1.9	4.8	2.4	0.5	1.3	6.0	1.5	3.3	0.1	0.0	0.0
18	4.5	1.8	3.0	3.9	0.8	1.6	3.6	0.2	1.4	0.1	0.0	0.0
19	2.9	1.4	2.3	7.0	1.1	1.9	2.0	0.0	0.6	0.0	0.0	0.0
20	3.4	1.5	2.4	2.7	0.8	1.5	2.2	0.0	0.9	0.2	0.0	0.0
21	3.8	2.0	2.8	2.3	0.5	1.4	2.2	0.0	0.5	0.8	0.0	0.0
22	3.6	1.8	2.6	6.1	0.8	1.5	2.0	0.0	0.5	0.0	0.0	0.0
23	2.8	1.8	2.1	2.4	0.6	1.4	1.6	0.0	0.4	0.4	0.0	0.0
24	2.4	1.2	2.0	2.1	0.4	1.3	1.4	0.0	0.1	0.0	0.0	0.0
25	2.4	1.0	1.9	1.6	0.5	1.1	1.0	0.0	0.1	0.0	0.0	0.0
26	2.8	1.1	1.8	5.5	0.6	1.1	1.5	0.0	0.1	0.0	0.0	0.0
27	2.6	0.9	1.7	2.7	0.6	1.4	2.0	0.0	0.2	0.0	0.0	0.0
28	2.2	1.0	1.6	3.2	0.6	1.7	2.1	0.2	0.8	0.4	0.0	0.0
29	7.5	1.1	2.0	3.3	1.1	1.8	2.2	0.1	0.9	1,040	0.0	280
30	36	1.4	2.2	3.0	0.7	1.7	1.2	0.0	0.1	990	20	100
31	---	---	---	3.4	0.7	1.7	2.5	0.0	0.5	---	---	---
MAX	---	---	---	34	3.8	13	6.0	1.5	3.3	1,040	20	280
MIN	---	---	---	1.6	0.4	1.1	1.0	0.0	0.1	0.0	0.0	0.0