

12398600 PEND OREILLE RIVER AT INTERNATIONAL BOUNDARY, WA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1974 to 1981 (National Stream-quality Accounting Network Station), Water-quality monitor April 1999 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: January 1974 to September 1981.

WATER TEMPERATURE: April 1974 to September 1981; April 1999 to current year.

TOTAL DISSOLVED GAS: May 1999 to current year.

INSTRUMENTATION.--Water-quality monitor April 1974 to September 1981; April 1999 to current year.

REMARKS.--Interruptions in the record were due to malfunctions of the instrument. Temperature record excellent except the following days that contain partial record which are considered good: Dec. 2, 3, Jan. 1, 2, 3, 5, 7, 8, 13-15, 17-19, 29-31, Feb. 1-6, 28, Mar. 1, 8, 15, 16, 18, 19, 21-23, Apr. 3, 4, 24, 25, 30, May 2, 14-17, July 13, 23, 24, 27. Total dissolved gas record good except Dec. 2, Jan. 1, 7, 8, 13-15, 17, 29, 30, Feb. 1, 6, Mar. 1, 8, 15, 16, 18, 19, 21, 22, Apr. 4, 24, 25, 30, May 2, 14-17, June 13, which are fair, and Dec. 3, Jan. 3, 13, 19, 31, Feb. 3, 5, Mar. 23, Apr. 3, and July 23-25 are poor. In addition to the water-quality monitor record, samples were collected approximately once a month from 1974 to 1981.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 242 micromhos July 17, 1974; minimum, 62 micromhos April 25, 1975.

WATER TEMPERATURE: Maximum, 24.5°C (rounded) July 28-30, 1975; minimum, 0.0°C (rounded) at times during winter periods.

TOTAL DISSOLVED GAS: Maximum, 142 percent saturation Aug. 7, 15, 2000 and July 15, 2001, but may have been higher during periods of missing record; minimum, 92 percent saturation Dec. 18, 20, 28, 2000, but may have been lower during periods of missing record.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 22.9°C July 27-29, but may have been higher during periods of missing record; minimum, 0.2°C on Jan. 8 and 9, but may have been lower during periods of missing record.

TOTAL DISSOLVED GAS: Maximum, 141 percent saturation June 9, but may have been higher during periods of missing record; minimum, 94 percent saturation Nov. 18 and Dec. 7, but may have been lower during periods of missing record.

PRESSURE, TOTAL PARTIAL, DISSOLVED GASSES, UNFILTERED, PERCENT SATURATION, OCTOBER 2001 TO SEPTEMBER 2002

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	109	98	101	106	97	99	102	98	100	101	97	99
2	114	98	100	109	96	99	104	100	102	103	98	100
3	109	97	101	105	96	98	104	97	99	106	99	101
4	109	98	101	101	97	98	107	96	98	107	96	100
5	114	98	101	120	97	100	107	96	99	101	97	98
6	120	98	103	105	96	98	104	96	99	---	---	---
7	125	98	104	101	95	96	110	94	96	104	100	102
8	112	98	102	106	95	97	102	95	97	103	100	101
9	115	97	104	108	95	97	108	97	100	100	98	98
10	112	98	100	99	96	96	108	96	100	100	98	98
11	109	98	100	104	96	98	113	97	103	102	100	100
12	109	97	101	118	97	101	105	96	99	103	101	102
13	110	97	100	99	97	97	106	99	100	101	99	100
14	117	96	100	104	97	100	111	98	104	102	99	100
15	108	96	98	100	97	98	108	95	97	103	97	99
16	110	97	99	104	96	97	109	96	97	101	97	98
17	108	97	100	99	95	97	101	96	96	101	97	98
18	108	97	101	100	94	97	100	96	97	100	98	98
19	106	98	101	103	96	98	99	96	97	101	98	99
20	106	98	100	113	97	102	101	97	98	108	98	101
21	105	98	99	109	99	101	103	97	99	100	98	99
22	105	99	100	113	100	106	105	96	98	100	98	99
23	106	99	100	112	97	103	98	95	96	100	98	98
24	107	97	98	102	97	98	99	95	96	101	98	99
25	108	96	98	107	97	101	98	95	96	104	98	99
26	109	98	101	106	96	99	100	95	96	101	99	99
27	104	99	101	104	97	98	100	97	98	100	98	99
28	109	99	100	106	99	100	101	97	99	100	98	98
29	113	98	102	109	99	102	99	96	97	101	98	99
30	108	99	99	119	97	102	97	96	96	98	98	98
31	107	98	100	---	---	---	99	97	97	100	97	98
MONTH	125	96	100	120	94	99	113	94	98	---	---	---



PEND OREILLE RIVER BASIN

12398600 PEND OREILLE RIVER AT INTERNATIONAL BOUNDARY, WA--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	17.7	17.2	17.6	9.2	9.0	9.1	5.9	5.6	5.7	0.7	---	0.6
2	17.5	17.0	17.3	9.0	9.0	9.0	5.6	5.3	5.5	0.7	0.6	0.6
3	17.1	16.7	16.9	9.1	9.0	9.0	---	5.0	---	0.6	0.5	0.5
4	16.7	16.3	16.5	9.1	9.0	9.1	4.9	4.7	4.8	0.5	0.4	0.4
5	16.4	16.1	16.3	9.2	9.1	9.1	4.7	4.3	4.5	0.6	0.4	0.4
6	16.1	15.8	16.0	9.1	8.9	9.0	4.4	4.0	4.2	---	---	---
7	15.8	15.5	15.7	9.0	8.8	8.9	4.1	3.6	3.8	0.4	0.3	0.3
8	15.5	15.1	15.3	8.8	8.7	8.8	3.7	3.3	3.5	0.4	0.2	0.3
9	15.1	14.6	14.9	8.7	8.2	8.5	3.3	3.1	3.2	0.5	0.2	0.3
10	14.6	14.1	14.4	8.2	7.7	7.9	3.1	2.9	3.0	1.2	0.5	0.8
11	14.1	13.8	14.0	7.7	7.5	7.6	3.2	2.8	2.9	1.6	1.2	1.4
12	13.8	13.4	13.6	7.6	7.3	7.5	3.0	2.7	2.8	1.8	1.5	1.6
13	13.4	13.0	13.2	7.4	7.2	7.3	2.7	2.6	2.7	2.3	1.7	2.0
14	13.0	12.7	12.8	7.4	7.3	7.3	3.0	2.5	2.6	2.6	---	---
15	12.7	12.5	12.6	7.3	7.3	7.3	2.5	2.4	2.4	2.7	---	---
16	12.5	12.1	12.3	7.4	7.3	7.3	2.6	2.4	2.4	2.6	2.3	2.5
17	12.1	11.9	12.0	7.5	7.4	7.4	2.4	2.3	2.4	2.5	---	---
18	12.0	11.7	11.9	7.6	7.4	7.5	2.4	2.3	2.3	2.2	1.9	2.1
19	11.7	11.5	11.7	7.7	7.5	7.6	2.4	2.3	2.4	---	1.6	---
20	11.5	11.3	11.5	7.7	7.6	7.7	2.3	2.2	2.3	1.6	1.5	1.5
21	11.3	11.1	11.2	7.7	7.6	7.7	2.3	2.2	2.3	1.5	1.4	1.4
22	11.1	10.8	11.0	7.7	7.6	7.6	2.2	2.0	2.2	1.4	1.3	1.4
23	10.8	10.7	10.8	7.6	7.5	7.6	2.0	1.8	1.9	1.4	1.3	1.4
24	10.7	10.3	10.5	7.5	7.4	7.5	1.8	1.7	1.8	1.3	1.2	1.3
25	10.3	10.0	10.2	7.4	7.2	7.3	1.7	1.6	1.6	1.3	1.1	1.2
26	10.0	9.8	9.9	7.2	7.0	7.1	1.7	1.6	1.6	1.1	1.0	1.1
27	9.8	9.6	9.7	7.0	6.7	6.9	1.7	1.6	1.7	1.2	1.0	1.1
28	9.6	9.5	9.6	6.7	6.5	6.6	1.7	1.5	1.6	1.3	1.0	1.2
29	9.6	9.4	9.6	6.5	6.2	6.4	1.5	1.3	1.4	1.5	---	---
30	9.6	9.4	9.5	6.3	5.9	6.1	1.3	1.1	1.2	1.6	1.4	1.5
31	9.4	9.2	9.4	---	---	---	1.1	0.7	0.9	1.5	1.3	1.4
MONTH	17.7	9.2	12.8	9.2	5.9	7.8	---	0.7	---	---	---	---
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	1.3	1.1	1.2	---	2.0	---	4.6	3.7	4.2	9.1	8.7	8.9
2	1.2	1.1	1.1	2.0	1.4	1.8	5.2	4.5	4.9	9.6	---	---
3	1.5	---	---	1.8	1.5	1.7	5.6	---	---	10.0	9.4	9.8
4	1.7	1.4	1.6	1.7	1.6	1.6	5.8	---	---	10.0	9.8	9.9
5	1.8	---	---	1.8	1.6	1.7	6.0	5.4	5.8	9.9	9.8	9.8
6	1.7	---	---	1.8	1.6	1.7	6.3	6.0	6.1	9.9	9.7	9.8
7	1.8	1.6	1.7	1.7	1.4	1.6	6.5	6.0	6.3	9.7	9.3	9.6
8	1.9	1.7	1.8	1.6	---	---	6.7	6.1	6.5	9.3	8.4	9.0
9	2.1	1.9	2.0	1.5	1.1	1.4	6.9	6.4	6.7	8.4	7.8	8.1
10	2.3	2.0	2.2	1.4	1.4	1.4	7.1	6.8	7.0	8.2	7.7	8.0
11	2.4	2.3	2.4	1.6	1.4	1.5	7.1	6.9	7.0	8.7	8.1	8.5
12	2.4	2.2	2.3	1.7	1.5	1.6	7.1	7.0	7.0	9.3	8.7	9.0
13	2.3	2.1	2.3	1.7	1.6	1.6	7.4	7.1	7.2	9.8	9.2	9.5
14	2.3	2.1	2.2	2.0	1.6	1.8	7.6	7.4	7.5	10.3	---	---
15	2.3	2.2	2.2	2.1	---	---	7.8	7.6	7.7	10.7	---	---
16	2.2	2.1	2.2	2.0	---	---	8.1	7.8	7.9	10.9	---	---
17	2.2	2.1	2.1	2.1	1.8	1.9	7.8	7.2	7.5	11.0	---	---
18	2.1	2.0	2.1	2.5	---	---	7.3	7.0	7.2	11.4	10.9	11.2
19	2.2	2.1	2.1	2.8	---	---	7.0	6.8	6.9	11.5	11.3	11.4
20	2.3	2.2	2.3	3.0	2.6	2.8	7.2	6.8	7.0	11.3	10.4	10.9
21	2.5	2.3	2.4	3.1	---	---	7.6	7.2	7.4	10.8	10.3	10.4
22	2.7	2.5	2.6	2.9	---	---	8.0	7.6	7.8	11.2	10.8	11.0
23	2.8	2.7	2.7	2.8	---	---	8.2	8.0	8.1	11.2	11.0	11.1
24	2.9	2.7	2.8	3.1	2.6	2.7	8.1	---	---	11.3	9.9	10.8
25	3.0	2.6	2.8	2.7	2.6	2.6	7.9	---	---	9.9	9.6	9.8
26	2.7	2.5	2.7	3.1	2.6	2.8	8.0	7.7	7.8	10.1	9.6	9.8
27	2.7	2.3	2.6	3.4	3.0	3.2	8.2	7.8	8.0	10.4	10.1	10.2
28	2.8	2.3	2.6	3.7	3.4	3.5	7.9	7.8	7.8	11.1	10.4	10.9
29	---	---	---	3.7	3.4	3.6	8.1	7.7	7.8	11.6	11.1	11.3
30	---	---	---	3.4	3.1	3.2	8.7	---	---	11.9	11.6	11.7
31	---	---	---	3.7	3.0	3.3	---	---	---	11.9	11.8	11.8
MONTH	3.0	---	---	---	---	---	8.7	---	---	11.9	---	---

