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

LOCATION.--Lat 46°10'53", long 123°10'56", in NE¼ sec.16, T.8 N., R.4 W., Columbia County, Hydrologic Unit 17080003, on left bank, 0.7 mi downstream from Crims Island, 3.0 mi northwest of Quincy and at mile 53.8.

DRAINAGE AREA.--256,900 mi^2, approximately.

WATER-DISCHARGE RECORDS

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

GAGE.--Water-stage and velocity index recorder. Datum of gage is Columbia River Datum, add 1.00 ft to correct to NGVD of 1929. May 1968 to June 1970 water-stage recorder with auxillary water-stage recorder 5.6 mi downstream, at datum 10.00 ft lower.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Flow regulated by many reservoirs on Columbia River and in tributary basins. Flows affected by tide which can cause reverse direction during tidal cycle when mean daily flows are less than 250,000 ft^3/s. Mean discharge values are based on a 24-hour day, not a tidal cycle.

AVERAGE DISCHARGE.--15 years (water years 1969, 1992-2005), 230,600 ft^3/s, 167,000,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 864,000 ft^3/s, Feb. 10, 1996; minimum daily discharge, 63,600 ft^3/s, Sept. 9, 2001.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 366,000 ft^3/s, May 20; maximum gage height, 9.98 ft, Dec. 11; minimum daily discharge, 85,100 ft^3/s, Sept. 8.

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	140,000	168,000	182,000	164,000	160,000	e150,000	266,000	206,000	248,000	240,000	207,000	133,000
2	107,000	182,000	177,000	162,000	165,000	e145,000	240,000	218,000	277,000	249,000	193,000	126,000
3	121,000	210,000	177,000	154,000	165,000	e150,000	220,000	226,000	285,000	223,000	185,000	107,000
4	129,000	202,000	173,000	183,000	160,000	142,000	206,000	229,000	256,000	198,000	145,000	106,000
5	138,000	199,000	181,000	181,000	174,000	156,000	199,000	216,000	256,000	168,000	144,000	96,600
6	131,000	177,000	171,000	172,000	166,000	142,000	201,000	227,000	234,000	194,000	153,000	95,300
7	138,000	165,000	183,000	160,000	170,000	134,000	211,000	240,000	235,000	178,000	152,000	93,700
8	152,000	159,000	204,000	172,000	176,000	134,000	190,000	246,000	228,000	192,000	146,000	85,100
9	183,000	166,000	254,000	175,000	166,000	e150,000	191,000	262,000	227,000	209,000	151,000	100,000
10	148,000	164,000	260,000	148,000	171,000	e145,000	179,000	289,000	249,000	195,000	147,000	115,000
11	129,000	159,000	285,000	157,000	166,000	140,000	176,000	316,000	238,000	189,000	156,000	90,900
12	127,000	151,000	313,000	160,000	174,000	151,000	195,000	346,000	237,000	193,000	159,000	87,700
13	126,000	146,000	269,000	e150,000	168,000	140,000	207,000	342,000	211,000	193,000	143,000	105,000
14	109,000	153,000	260,000	e190,000	150,000	136,000	207,000	320,000	211,000	203,000	137,000	119,000
15	114,000	142,000	e240,000	207,000	154,000	130,000	200,000	303,000	209,000	212,000	126,000	108,000
16	127,000	158,000	e260,000	171,000	169,000	122,000	192,000	304,000	198,000	222,000	142,000	113,000
17	94,900	165,000	e280,000	149,000	164,000	138,000	205,000	299,000	218,000	216,000	139,000	102,000
18	125,000	163,000	e250,000	220,000	169,000	124,000	214,000	328,000	222,000	199,000	165,000	102,000
19	136,000	183,000	e200,000	234,000	153,000	124,000	208,000	363,000	211,000	193,000	153,000	88,700
20	190,000	163,000	e210,000	237,000	167,000	140,000	201,000	366,000	198,000	190,000	140,000	87,600
21	204,000	161,000	218,000	226,000	139,000	151,000	184,000	363,000	227,000	169,000	133,000	106,000
22	192,000	160,000	236,000	211,000	136,000	144,000	194,000	361,000	222,000	189,000	116,000	119,000
23	195,000	166,000	239,000	191,000	132,000	140,000	199,000	359,000	232,000	186,000	136,000	113,000
24	176,000	158,000	236,000	173,000	126,000	156,000	197,000	350,000	246,000	165,000	156,000	116,000
25	164,000	153,000	180,000	175,000	131,000	140,000	186,000	346,000	234,000	152,000	146,000	109,000
26	154,000	166,000	167,000	169,000	127,000	135,000	190,000	312,000	237,000	178,000	129,000	98,900
27	170,000	173,000	182,000	187,000	128,000	168,000	220,000	292,000	226,000	183,000	126,000	127,000
28	161,000	169,000	171,000	191,000	e150,000	246,000	244,000	296,000	241,000	169,000	140,000	121,000
29	154,000	164,000	158,000	187,000	---	268,000	241,000	303,000	223,000	180,000	141,000	102,000
30	144,000	162,000	157,000	178,000	---	300,000	214,000	275,000	226,000	190,000	144,000	124,000
31	168,000	---	176,000	161,000	---	281,000	---	242,000	---	195,000	152,000	---
TOTAL	4,546,900	5,007,000	6,649,000	5,595,000	4,376,000	4,922,000	6,177,000	9,145,000	6,962,000	6,012,000	4,602,000	3,197,500
MEAN	146,700	166,900	214,500	180,500	156,300	158,800	205,900	295,000	232,100	193,900	148,500	106,600
MAX	204,000	210,000	313,000	237,000	176,000	300,000	266,000	366,000	285,000	249,000	207,000	133,000
MIN	94,900	142,000	157,000	148,000	126,000	122,000	176,000	206,000	198,000	152,000	116,000	85,100
AC-FT	9,019,000	9,931,000	13,190,000	11,100,000	8,680,000	9,763,000	12,250,000	18,140,000	13,810,000	11,920,000	9,128,000	6,342,000

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1969 - 2005, BY WATER YEAR (WY)

MEAN	142,100	189,200	257,900	276,100	269,000	248,000	267,600	324,300	309,000	205,000	154,800	126,000
MAX	212,300	256,500	430,800	444,300	543,400	388,700	406,500	507,500	514,500	279,300	223,000	177,300
(WY)	(1998)	(1996)	(1996)	(1997)	(1996)	(1997)	(1969)	(1997)	(1997)	(1997)	(1999)	(1997)
MIN	98,380	136,100	175,400	153,400	141,500	142,100	150,500	174,700	151,700	98,390	106,300	90,080
(WY)	(2002)	(1994)	(1994)	(2001)	(2001)	(2001)	(2001)	(2001)	(2001)	(2001)	(2001)	(2001)

14246900 COLUMBIA RIVER AT BEAVER ARMY TERMINAL, NEAR QUINCY, OR—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1969 - 2005	
ANNUAL TOTAL	71,950,900		67,191,400			
ANNUAL MEAN	196,600		184,100		230,600	
HIGHEST ANNUAL MEAN					338,200	1997
LOWEST ANNUAL MEAN					140,000	2001
HIGHEST DAILY MEAN	400,000	Jan 31	366,000	May 20	864,000	Feb 10, 1996
LOWEST DAILY MEAN	94,900	Oct 17	85,100	Sep 8	63,600	Sep 9, 2001
ANNUAL SEVEN-DAY MINIMUM	118,000	Oct 12	95,400	Sep 6	78,700	Sep 5, 2001
ANNUAL RUNOFF (AC-FT)	142,700,000		133,300,000		167,000,000	
10 PERCENT EXCEEDS	271,000		256,000		372,000	
50 PERCENT EXCEEDS	187,000		173,000		208,000	
90 PERCENT EXCEEDS	132,000		125,000		123,000	

e Estimated

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

WATER-QUALITY RECORDS

PERIOD OF RECORD.--August 1967 to September 1970, October 1993 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1993 to September 2003.
WATER TEMPERATURE: August 1967 to September 1970. October 1993 to September 2003.
TURBIDITY: February 2001 to current year.

INSTRUMENTATION.--Water-quality monitor.

REMARKS.--Turbidity records excellent except those for the periods Dec. 11-14, Mar. 28, June 24 to Aug. 2, which are good. The probe was checked using a formazin standard.Turbidity data are highly dependent on the instrumentation used for the measurement. See the "Definitions" section for turbidity in the front of this report. Since February, 1994, specific conductance and temperature sensors located near right bank. Prior to that time, sensors were located near left bank. It was determined that daily record collected prior to February 1994 is not representative of the cross section due to a seasonal influence from several upstream sloughs. Additional specific conductance and temperature for the period October 1992 to September 1993 available in the files of the Portland field office. Boron values less than 16 UG/L have been designated as estimated due to a change in the minimum reporting level effective December 22, 1997.

EXTREMES FOR PERIOD OF RECORD.--
SPECIFIC CONDUCTANCE: Maximum recorded, 188 microsiemens Feb. 5, 1994, but may have been higher during periods of missing record; minimum recorded, 73 microsiemens Feb. 9, 1996, but may have been lower during periods of missing record.
WATER TEMPERATURE: Maximum, 24.0°C July 28, 1998; minimum, 0.0°C Jan. 31, Feb. 1, 1969.
TURBIDITY: Maximum, 221 NTU Feb. 1, 2003; minimum, <1 FNU Mar. 2, 2001, Oct. 3, 2003, many days during July and August 2005.

EXTREMES FOR CURRENT YEAR.--
TURBIDITY: Maximum, 108 FNU Dec. 12, Jan 19; minimum, <1 FNU many days in July and August.

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

Date	Time	Discharge, cfs (00060)	Turbidity, IR LED light, det ang 90 deg, FNU (63680)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)
OCT													
18...	1340	125,000	10	751	--	--	7.7	134	16.2	49	13.6	3.64	--
NOV													
22...	1300	160,000	3.7	766	11.2	98	7.9	142	10.0	57	15.3	4.46	1.16
DEC													
15...	1330	E240,000	19	775	12.6	104	7.8	118	8.1	44	11.7	3.58	--
JAN													
19...	1400	234,000	69	766	--	--	8.0	130	4.2	55	15.0	4.19	1.08
FEB													
16...	1200	169,000	3.4	759	13.2	103	8.2	149	4.7	62	16.8	4.91	--
MAR													
16...	1350	122,000	4.0	752	14.0	119	8.7	155	7.8	66	18.1	5.00	1.14
APR													
21...	1100	184,000	8.2	--	--	--	--	--	--	--	--	--	--
21...	1410	184,000	8.2	764	12.3	109	8.2	148	10.3	58	15.8	4.56	--
MAY													
18...	1300	328,000	9.6	748	10.3	101	7.8	137	13.5	52	13.9	4.22	1.15
JUN													
14...	1250	211,000	7.3	760	--	--	7.7	130	15.9	--	--	--	--
JUL													
06...	1240	194,000	3.3	762	9.7	106	7.7	128	19.6	52	14.3	3.94	.94
AUG													
09...	1340	147,000	6.9	763	9.0	102	7.4	138	21.7	58	16.4	4.21	--

14246900 COLUMBIA RIVER AT BEAVER ARMY TERMINAL, NEAR QUINCY, OR—Continued

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

Date	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Carbonate, wat flt incrm. titr., field, mg/L (00452)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Sulfur, suspnd sedimnt total, percent (30308)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue water, fltrd, tons/acre-ft (70303)
OCT													
18...	--	--	--	48	58	.2	--	--	--	--	--	--	--
NOV													
22...	.4	6.28	19	54	66	.2	3.35	.1	10.3	9.2	.24	84	.11
DEC													
15...	--	--	--	45	55	.1	--	--	--	--	.21	--	--
JAN													
19...	.3	5.67	18	51	62	.1	3.61	<.2	10.5	9.3	--	82	.11
FEB													
16...	--	--	--	60	73	.1	--	--	--	--	--	--	--
MAR													
16...	.3	6.48	17	61	73	.7	4.16	.1	8.61	11.6	--	93	.12
APR													
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	54	65	.3	--	--	--	--	--	--	--
MAY													
18...	.4	5.84	19	48	59	.1	3.21	.1	11.5	9.4	--	79	.12
JUN													
14...	--	--	--	49	60	.1	--	--	--	--	--	--	--
JUL													
06...	.3	5.33	18	50	61	.2	2.85	.1	9.57	8.3	--	76	.11
AUG													
09...	--	--	--	54	65	.3	--	--	--	--	--	--	--

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

Date	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Phosphorus, suspnd sedimnt total, percent (30292)	Total carbon, suspnd sedimnt total, percent (30244)	Total carbon, suspnd sedimnt total, mg/L (00694)	Inorganic carbon, suspnd sedimnt total, mg/L (00688)
OCT													
18...	--	.12	.14	.031	.155	.003	.013	.021	.038	.110	1.4	.3	<.1
NOV													
22...	84	E.09	.13	.026	.244	.003	.016	.023	.031	.180	4.0	.2	<.1
DEC													
15...	--	.18	.20	.026	.397	.003	.007	.023	.052	.110	2.4	.6	<.1
JAN													
19...	--	E.08	.13	.024	.373	.004	.010	.015	.093	.098	.80	.9	<.1
FEB													
16...	--	E.09	.17	E.007	.343	.004	.007	.013	.029	--	--	.4	<.1
MAR													
16...	87	.18	.20	E.007	.173	.003	<.006	.005	.028	.200	6.2	.7	<.1
APR													
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	.11	.24	.012	.271	.005	E.003	.007	.035	.200	4.7	.7	<.1
MAY													
18...	89	.12	.21	.013	.213	.003	E.004	.013	.040	--	--	.6	<.1
JUN													
14...	--	.18	.17	.011	.157	.002	E.004	.014	.034	--	--	.4	<.1
JUL													
06...	82	.21	.17	E.006	.099	.003	E.004	.013	.041	--	--	.6	<.1
AUG													
09...	--	.17	.15	E.008	.090	.002	.006	.014	.036	--	--	.4	<.1

14246900 COLUMBIA RIVER AT BEAVER ARMY TERMINAL, NEAR QUINCY, OR—Continued

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

Date	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)	Organic carbon, suspnd sedimnt percent (50465)	Alum-inum, water, fltrd, ug/L (01106)	Anti-mony, water, fltrd, ug/L (01095)	Arsenic water, fltrd, ug/L (01000)	Barium, water, fltrd, ug/L (01005)	Beryll-ium, water, fltrd, ug/L (01010)	Boron, water, fltrd, ug/L (01020)	Cadmium water, fltrd, ug/L (01025)	Chrom-ium, water, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)
OCT													
18...	.3	1.5	1.3	2	E.13	.8	18	<.06	--	<.04	<.8	.049	1.0
NOV													
22...	.2	1.3	4.0	2	E.12	.8	21	<.06	11	<.04	<.8	.051	.8
DEC													
15...	.6	1.7	2.4	5	E.11	.7	16	<.06	--	<.04	<.8	.042	1.5
JAN													
19...	.9	1.7	.9	10	E.11	.7	16	<.06	E8	<.04	<.8	.081	1.1
FEB													
16...	.4	1.4	--	3	E.10	.8	21	<.06	--	<.04	<.8	.061	.7
MAR													
16...	.7	1.4	5.6	2	E.13	.4	20	<.06	17	<.04	<.8	.035	.8
APR													
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	.7	1.7	4.0	4	E.11	.8	18	<.06	--	<.04	<.8	.056	.9
MAY													
18...	.6	1.8	--	3	E.12	.7	19	<.06	12	<.04	<.8	.071	1.5
JUN													
14...	.4	E.2	--	3	E.13	--	18	<.06	--	<.04	<.8	.053	1.2
JUL													
06...	.6	1.8	--	3	E.12	.7	20	<.06	10	<.04	<.8	.041	1.0
AUG													
09...	.4	1.5	--	2	E.18	.8	20	<.06	--	<.04	<.8	.037	.9

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

Date	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Lithium water, fltrd, ug/L (01130)	Mangan-ese, water, fltrd, ug/L (01056)	Molyb-denum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Selen-ium, water, fltrd, ug/L (01145)	Silver, water, fltrd, ug/L (01075)	Stront-ium, water, fltrd, ug/L (01080)	Vanad-ium, water, fltrd, ug/L (01085)	Zinc, water, fltrd, ug/L (01090)	Alum-inum, suspnd sedimnt total, percent (30221)	Anti-mony, suspnd sedimnt total, ug/g (29816)
OCT													
18...	--	<.08	--	.9	.7	.68	--	<.2	--	--	1.7	8.1	.4
NOV													
22...	10	<.08	2.5	1.7	.6	.53	<.4	<.2	80.3	1.7	.8	7.2	1.3
DEC													
15...	--	.10	--	1.2	.6	.64	--	<.2	--	--	1.5	8.4	.8
JAN													
19...	16	<.08	2.5	11.2	.6	.76	<.4	<.2	74.2	1.4	1.9	8.6	.4
FEB													
16...	--	<.08	--	1.1	.8	.80	--	<.2	--	--	.7	--	--
MAR													
16...	8	<.08	2.2	.3	.8	.25	<.4	<.2	86.8	1.5	1.0	5.6	.6
APR													
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	--	E.04	--	.7	.7	.69	--	<.2	--	--	1.9	6.0	.6
MAY													
18...	13	E.07	2.7	1.0	.7	.46	<.4	<.2	79.8	1.9	1.8	--	--
JUN													
14...	--	E.07	--	1.0	.7	.94	--	<.2	--	--	1.7	--	--
JUL													
06...	8	E.05	2.0	.6	.7	.82	<.4	<.2	77.1	1.8	1.0	--	--
AUG													
09...	--	<.08	--	.6	.8	.69	--	<.2	--	--	.7	--	--

14246900 COLUMBIA RIVER AT BEAVER ARMY TERMINAL, NEAR QUINCY, OR—Continued

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

Date	Arsenic suspnd sedimnt total, ug/g (29818)	Barium, suspnd sedimnt total, ug/g (29820)	Beryll-ium, suspnd sedimnt total, ug/g (29822)	Cadmium suspnd sedimnt total, ug/g (29826)	Chrom-ium, suspnd sedimnt total, ug/g (29829)	Cobalt, suspnd sedimnt total, ug/g (35031)	Copper, suspnd sedimnt total, ug/g (29832)	Iron, suspnd sedimnt total, percent (30269)	Lead, suspnd sedimnt total, ug/g (29836)	Lithium suspnd sedimnt total, ug/g (35050)	Mangan-ese, suspnd sedimnt total, ug/g (29839)	Mercury suspnd sedimnt total, ug/g (29841)	Molyb-denum, suspnd sedimnt total, ug/g (29843)
OCT													
18...	3.6	390	1	.3	25	11	52	3.0	18	20	820	.07	2
NOV													
22...	12	530	2	.7	80	19	59	4.3	31	24	1,800	.22	5
DEC													
15...	8.4	490	2	.5	55	20	48	4.6	24	26	1,200	.07	2
JAN													
19...	4.6	400	1	.1	24	13	66	3.3	17	24	750	.04	2
FEB													
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAR													
16...	6.4	390	1	.6	200	13	34	3.0	20	17	1,200	.21	25
APR													
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	6.3	380	1	.5	53	13	45	3.4	19	21	1,200	.05	4
MAY													
18...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN													
14...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
06...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
09...	--	--	--	--	--	--	--	--	--	--	--	--	--

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

Date	Nickel, suspnd sedimnt total, ug/g (29845)	Selen-ium, suspnd sedimnt total, ug/g (29847)	Silver, suspnd sedimnt total, ug/g (29850)	Stront-ium, suspnd sedimnt total, ug/g (35040)	Titan-ium, suspnd sedimnt total, percent (30317)	Vanad-ium, suspnd sedimnt total, ug/g (29853)	Zinc, suspnd sedimnt total, ug/g (29855)	2,6-Di-ethyl-aniline water fltrd 0.7u GF ug/L (82660)	CIAT, water, fltrd, ug/L (04040)	Aceto-chlor, water, fltrd, ug/L (49260)	Ala-chlor, water, fltrd, ug/L (46342)	alpha-HCH, water, fltrd, ug/L (34253)	Atra-zine, water, fltrd, ug/L (39632)
OCT													
18...	17	M	<.5	380	.360	68	88	<.006	<.006	<.006	<.005	<.005	<.007
NOV													
22...	48	M	<1	300	.470	110	200	<.006	<.006	<.006	<.005	<.005	<.007
DEC													
15...	32	M	<.5	330	.530	110	150	<.006	<.006	<.006	<.005	<.005	<.013
JAN													
19...	18	M	<.5	350	.380	64	71	<.006	<.006	<.006	<.005	<.005	<.007
FEB													
16...	--	--	--	--	--	--	--	<.006	<.006	<.006	<.005	<.005	<.007
MAR													
16...	73	1	<.5	300	.370	77	170	<.006	<.006	<.006	<.005	<.005	<.007
APR													
21...	--	--	--	--	--	--	--	<.006	<.006	<.006	<.005	<.005	.011
21...	30	1	<.5	310	.340	84	140	--	--	--	--	--	--
MAY													
18...	--	--	--	--	--	--	--	<.006	<.006	<.006	<.005	<.005	E.005
JUN													
14...	--	--	--	--	--	--	--	<.006	<.006	<.006	<.005	<.005	<.007
JUL													
06...	--	--	--	--	--	--	--	<.006	<.006	<.006	<.005	<.005	<.007
AUG													
09...	--	--	--	--	--	--	--	<.006	<.006	<.006	<.005	<.005	<.007

14246900 COLUMBIA RIVER AT BEAVER ARMY TERMINAL, NEAR QUINCY, OR—Continued

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

Date	Azinphos-methyl, water, fltrd 0.7u GF ug/L (82686)	Benflur-alin, water, fltrd 0.7u GF ug/L (82673)	Butylate, water, fltrd, ug/L (04028)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Carbofuran, water, fltrd 0.7u GF ug/L (82674)	Chlorpyrifos water, fltrd, ug/L (38933)	cis-Permethrin water fltrd 0.7u GF ug/L (82687)	Cyanazine, water, fltrd, ug/L (04041)	DCPA, water fltrd 0.7u GF ug/L (82682)	Diazinon, water, fltrd, ug/L (39572)	Dieldrin, water, fltrd, ug/L (39381)	Disulfoton, water, fltrd 0.7u GF ug/L (82677)	EPTC, water, fltrd 0.7u GF ug/L (82668)
OCT													
18...	<.050	<.010	<.004	<.041	<.020	<.005	<.006	<.018	<.003	<.005	<.009	<.02	<.004
NOV													
22...	<.050	<.010	<.004	<.041	<.020	<.005	<.006	<.018	<.003	<.005	<.009	<.02	<.004
DEC													
15...	<.050	<.010	<.004	<.041	<.020	<.005	<.006	<.018	<.003	<.005	<.009	<.02	<.004
JAN													
19...	<.050	<.010	<.004	<.041	<.020	<.005	<.006	<.018	<.003	<.005	<.009	<.02	<.004
FEB													
16...	<.050	<.010	<.004	<.041	<.020	<.005	<.006	<.018	<.003	<.005	<.009	<.02	<.004
MAR													
16...	<.050	<.010	<.004	<.041	<.020	<.005	<.006	<.018	<.003	<.005	<.009	<.02	<.004
APR													
21...	<.050	<.010	<.004	<.041	<.020	<.005	<.006	<.018	<.003	<.005	<.009	<.02	<.004
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
18...	<.050	<.010	<.004	<.041	<.020	<.005	<.006	<.018	<.003	<.005	<.009	<.02	.005
JUN													
14...	<.050	<.010	<.004	<.041	<.020	<.005	<.006	<.018	<.003	<.005	<.009	<.02	<.004
JUL													
06...	<.050	<.010	<.004	<.041	<.020	<.005	<.006	<.018	<.003	<.005	<.009	<.02	<.004
AUG													
09...	<.050	<.010	<.004	<.041	<.020	<.005	<.006	<.018	<.003	<.005	<.009	<.02	<.004

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

Date	Ethalfluralin, water, fltrd 0.7u GF ug/L (82663)	Ethoprop, water, fltrd 0.7u GF ug/L (82672)	Fonofos water, fltrd, ug/L (04095)	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF ug/L (82666)	Malathion, water, fltrd, ug/L (39532)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, water, fltrd, ug/L (82630)	Molinate, water, fltrd 0.7u GF ug/L (82671)	Napropamide, water, fltrd 0.7u GF ug/L (82684)	p,p'-DDE, water, fltrd, ug/L (34653)	Parathion, water, fltrd, ug/L (39542)
OCT													
18...	<.009	<.005	<.003	<.004	<.035	<.027	<.015	<.010	<.006	<.003	<.007	<.003	<.010
NOV													
22...	<.009	<.005	<.003	<.004	<.035	<.027	<.015	<.006	<.006	<.003	<.007	<.003	<.010
DEC													
15...	<.009	<.005	<.003	<.004	<.035	<.027	<.015	<.006	<.006	<.003	<.007	<.003	<.010
JAN													
19...	<.009	<.005	<.003	<.004	<.035	<.027	<.015	<.006	<.006	<.003	<.007	<.003	<.010
FEB													
16...	<.009	<.005	<.003	<.004	<.035	<.027	<.015	<.006	<.006	<.003	<.007	<.003	<.010
MAR													
16...	<.009	<.005	<.003	<.004	<.035	<.027	<.015	<.006	<.006	<.003	<.007	<.003	<.010
APR													
21...	<.009	<.005	<.003	<.004	<.035	<.027	<.015	<.006	<.006	<.003	<.007	<.003	<.010
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
18...	<.009	<.005	<.003	<.004	<.035	<.027	<.015	<.006	<.006	<.003	<.007	<.003	<.010
JUN													
14...	<.009	<.005	<.003	<.004	<.035	<.027	<.015	<.006	<.006	<.003	<.007	<.003	<.010
JUL													
06...	<.009	<.005	<.003	<.004	<.035	<.027	<.015	<.006	<.006	<.003	<.007	<.003	<.010
AUG													
09...	<.009	<.005	<.003	<.004	<.035	<.027	<.015	<.006	<.006	<.003	<.007	<.003	<.010

14246900 COLUMBIA RIVER AT BEAVER ARMY TERMINAL, NEAR QUINCY, OR—Continued

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

Date	Pebulate, water, fltrd 0.7u GF ug/L (82669)	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)	Phorate water fltrd 0.7u GF ug/L (82664)	Prometon, water, fltrd, ug/L (04037)	Propyzamide, water, fltrd 0.7u GF ug/L (82676)	Propachlor, water, fltrd, ug/L (04024)	Propanil, water, fltrd 0.7u GF ug/L (82679)	Propargite, water, fltrd 0.7u GF ug/L (82685)	Simazine, water, fltrd, ug/L (04035)	Tebuthiuron water fltrd 0.7u GF ug/L (82670)	Terbacil, water, fltrd 0.7u GF ug/L (82665)	Terbufos, water, fltrd 0.7u GF ug/L (82675)	Terbuthylazine, water, fltrd, ug/L (04022)
OCT													
18...	<.004	<.022	<.011	<.01	<.004	<.025	<.011	<.02	<.005	<.02	<.034	<.02	--
NOV													
22...	<.004	<.022	<.011	<.01	<.004	<.025	<.011	<.02	<.005	<.02	<.034	<.02	<.01
DEC													
15...	<.004	<.022	<.011	<.01	<.004	<.025	<.011	<.02	<.006	<.02	<.034	<.02	--
JAN													
19...	<.004	<.022	<.011	<.01	<.004	<.025	<.011	<.02	<.005	<.02	<.034	<.02	--
FEB													
16...	<.004	<.022	<.011	<.01	<.004	<.025	<.011	<.02	<.005	<.02	<.034	<.02	<.01
MAR													
16...	<.004	<.022	<.011	<.01	<.004	<.025	<.011	<.02	<.005	<.02	<.034	<.02	--
APR													
21...	<.004	<.022	<.011	<.01	<.004	<.025	<.011	<.02	<.006	<.02	<.034	<.02	<.01
21...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
18...	<.004	<.022	<.011	<.01	<.004	<.025	<.011	<.02	E.005	<.02	<.034	<.02	--
JUN													
14...	<.004	<.022	<.011	<.01	<.004	<.025	<.011	<.02	<.005	<.02	<.034	<.02	--
JUL													
06...	<.004	<.022	<.011	<.01	<.004	<.025	<.011	<.02	<.005	<.02	<.034	<.02	--
AUG													
09...	<.004	<.022	<.011	<.01	<.004	<.025	<.011	<.02	<.005	<.02	<.034	<.02	--

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

Date	Thiobencarb water fltrd 0.7u GF ug/L (82681)	Triallate, water, fltrd 0.7u GF ug/L (82678)	Trifluralin, water, fltrd 0.7u GF ug/L (82661)	Uranium natural water, fltrd, ug/L (22703)	Uranium suspnd sedimnt total, ug/g (35046)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Suspended sediment concentration mg/L (80154)	Suspended sediment discharge, tons/d (80155)
OCT								
18...	<.010	<.006	<.009	.48	<50	95	17	5,740
NOV								
22...	<.010	<.006	<.009	.66	<100	94	4	1,730
DEC								
15...	<.010	<.006	<.009	.55	<50	89	22	--
JAN								
19...	<.010	<.006	<.009	.60	<50	95	92	58,100
FEB								
16...	<.010	<.006	<.009	.81	--	75	4	1,830
MAR								
16...	<.010	<.006	<.009	.74	<50	54	8	2,640
APR								
21...	<.010	<.006	<.009	--	--	--	--	--
21...	--	--	--	.71	<50	92	9	4,470
MAY								
18...	<.010	<.006	<.009	.62	--	90	14	12,400
JUN								
14...	<.010	<.006	<.009	.53	--	88	10	5,700
JUL								
06...	<.010	<.006	<.009	.51	--	83	14	7,330
AUG								
09...	<.010	<.006	<.009	.44	--	85	11	4,370

14246900 COLUMBIA RIVER AT BEAVER ARMY TERMINAL, NEAR QUINCY, 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	8	4	6	9	2	4	13	4	6	11	4	6
2	9	4	6	12	2	4	9	4	6	7	4	5
3	8	4	5	24	4	10	8	4	6	8	4	6
4	8	4	6	24	6	10	8	4	6	10	4	5
5	11	4	6	14	4	6	7	5	6	6	3	5
6	10	3	5	11	3	5	10	4	6	9	3	5
7	11	4	5	8	3	5	13	4	6	10	3	6
8	21	5	10	11	2	5	14	5	7	8	4	5
9	19	4	8	7	2	4	22	7	14	7	3	5
10	40	5	24	7	2	4	25	8	14	8	3	4
11	18	7	11	7	2	4	107	14	26	9	3	4
12	14	5	8	10	2	4	108	36	58	6	3	4
13	10	5	7	10	2	4	53	19	32	6	3	4
14	10	4	6	8	2	4	39	15	25	7	3	4
15	10	4	6	8	2	4	---	---	---	6	2	4
16	8	4	6	13	2	4	---	---	---	6	2	5
17	8	4	6	12	2	4	---	---	---	13	2	6
18	12	4	7	11	2	4	---	---	---	105	6	17
19	81	8	25	14	2	3	---	---	---	108	51	83
20	23	6	13	16	2	4	---	---	---	72	31	55
21	28	5	9	15	2	3	13	6	10	49	20	38
22	16	3	7	7	2	4	14	4	9	37	14	28
23	14	2	6	6	3	5	13	5	8	38	11	26
24	13	2	5	7	3	5	13	4	8	32	13	23
25	11	2	5	11	4	7	12	4	7	25	10	16
26	11	2	5	12	5	7	11	4	7	21	7	13
27	14	2	4	12	6	8	10	5	8	16	7	11
28	11	2	5	10	5	7	10	4	7	13	5	9
29	13	2	4	9	5	6	8	4	6	11	4	8
30	8	2	4	8	4	6	12	4	6	13	5	8
31	7	2	4	---	---	---	9	4	6	10	3	7
MAX	81	8	25	24	6	10	108	36	58	108	51	83
MIN	7	2	4	6	2	3	7	4	6	6	2	4
	FEBRUARY			MARCH			APRIL			MAY		
1	10	5	6	5	2	4	26	13	20	10	4	7
2	10	4	6	7	2	4	24	11	17	10	3	7
3	8	3	5	5	2	3	21	10	15	13	4	8
4	7	2	5	5	2	3	20	9	14	13	4	8
5	8	3	5	8	2	3	17	8	13	13	4	8
6	8	3	5	4	2	3	19	8	12	11	4	8
7	9	3	5	7	2	4	18	6	11	13	5	9
8	12	3	6	11	2	4	15	6	11	14	4	9
9	12	3	5	8	2	4	16	6	12	12	5	9
10	7	2	5	5	2	3	15	6	11	14	4	9
11	6	2	4	5	2	4	14	6	10	13	5	10
12	7	2	4	8	2	3	20	6	11	16	7	10
13	8	2	4	5	2	3	15	6	11	15	7	11
14	6	2	4	6	2	4	14	6	10	18	7	11
15	5	2	4	5	2	3	13	5	10	14	7	10
16	5	2	3	5	1	4	12	5	10	14	8	11
17	5	2	3	6	2	4	50	8	15	14	8	11
18	6	2	3	7	2	4	32	11	21	14	7	11
19	4	2	3	7	2	3	22	10	16	17	9	12
20	4	2	3	6	2	4	18	8	13	19	9	15
21	4	2	3	7	1	4	15	5	11	18	10	14
22	8	1	3	9	2	5	17	5	10	20	10	14
23	4	2	3	9	2	4	13	4	10	21	10	14
24	4	1	3	7	2	4	15	4	9	18	7	13
25	5	2	3	8	2	4	14	4	8	17	7	12
26	4	2	3	12	2	5	16	4	9	16	7	12
27	4	1	2	31	3	8	13	4	9	19	7	12
28	9	2	4	91	23	54	12	4	8	16	8	12
29	---	---	---	60	19	30	13	3	8	14	7	11
30	---	---	---	39	22	29	13	3	7	13	6	11
31	---	---	---	32	19	25	---	---	---	13	6	10
MAX	12	5	6	91	23	54	50	13	21	21	10	15
MIN	4	1	2	4	1	3	12	3	7	10	3	7

14246900 COLUMBIA RIVER AT BEAVER ARMY TERMINAL, NEAR QUINCY, 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	14	5	9	7	2	4	9	<1	2	14	3	5
2	15	5	8	11	2	4	5	<1	2	9	3	5
3	12	5	9	9	2	4	5	<1	2	14	3	5
4	12	5	8	7	2	4	10	<1	2	11	3	5
5	13	5	8	10	2	4	5	<1	2	10	4	5
6	17	5	8	6	1	3	5	<1	2	8	3	5
7	16	4	8	5	1	3	4	<1	2	7	3	5
8	15	4	7	8	1	3	7	<1	2	6	3	5
9	10	4	7	5	<1	2	8	<1	3	7	3	5
10	10	4	7	5	<1	2	7	3	5	9	3	5
11	10	4	6	6	<1	3	8	3	5	10	3	4
12	10	5	6	6	1	3	10	3	5	7	3	4
13	9	3	6	5	<1	2	8	4	5	6	3	4
14	10	4	6	6	<1	3	9	3	5	8	3	5
15	8	4	6	5	<1	3	9	3	5	6	2	4
16	7	3	5	7	1	3	9	3	5	9	2	4
17	7	3	6	6	1	3	10	2	5	6	2	4
18	13	3	5	7	1	3	13	3	5	8	3	5
19	10	3	5	6	1	3	8	3	5	12	3	4
20	9	2	5	6	<1	3	16	3	6	7	3	4
21	11	3	5	6	<1	2	12	4	6	6	3	4
22	8	3	4	13	<1	2	9	4	6	6	3	4
23	7	2	5	15	<1	3	18	4	6	8	2	4
24	12	2	5	6	<1	2	9	3	5	9	3	4
25	8	3	5	6	<1	2	12	3	5	5	2	4
26	8	2	5	6	<1	2	13	3	4	5	2	4
27	7	2	4	5	<1	3	7	3	5	8	3	4
28	9	3	4	6	<1	2	10	3	5	7	2	4
29	10	2	4	5	1	2	11	3	5	6	3	4
30	7	3	4	4	<1	2	9	3	5	6	2	4
31	---	---	---	6	<1	2	14	3	5	---	---	---
MAX	17	5	9	15	2	4	18	4	6	14	4	5
MIN	7	2	4	4	<1	2	4	<1	2	5	2	4