12510500 YAKIMA RIVER AT KIONA, WA

National Water-Quality Assessment Station

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1953-94, 1999 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: December 1952 to September 1969 (composite samples), October 1969 to September 1977, July 1999 to June 2000, February to September 2002.
WATER TEMPERATURE: December 1952 to September 1980, March 1981 to February 1982, July 1999 to June 2000, October 2000 to current year.
SUSPENDED SEDIMENT: June 1977 to October 1980.

INSTRUMENTATION.--Water-quality monitor since July 1999. Electronic data logger, with 15-minute logging interval. Bureau of Reclamation satellite telemeter at station.

REMARKS.--Specific conductance records excellent except those for Mar. 14-20, Mar. 30 to Apr. 11, Apr. 17-24, May 7-22, and June 4 to Sept. 17, which are good; Apr. 25 to May 6, and May 23-25, which are fair; and Apr. 12-13 and May 26 to June 3, which are poor. Interruptions in the record were due to malfunction of the instrument.

EXTREMES FOR PERIOD OF RECORD.--
SPECIFIC CONDUCTANCE: Maximum observed, 674 microsiemens Dec. 3, 1970; minimum recorded, 82 microsiemens June 17, 2002.
WATER TEMPERATURE: Maximum 30.8°C July 9, 2001; minimum, 0.0°C on several days during winter months most years.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum recorded, 300 microsiemens May 27; minimum recorded, 82 microsiemens June 17.
WATER TEMPERATURE: Maximum, 30.2°C July 13; minimum recorded, 3.5°C Feb. 27.

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	163	155	159	183	176	179	173	163	168
2	---	---	---	168	162	165	177	170	173	177	170	175
3	---	---	---	174	168	170	171	164	167	170	149	161
4	---	---	---	179	174	176	164	160	161	149	135	141
5	---	---	---	183	179	181	164	159	161	136	132	135
6	---	---	---	184	182	183	164	160	161	137	129	132
7	---	---	---	185	183	184	162	155	158	148	137	141
8	---	---	---	187	183	185	155	150	151	160	148	153
9	---	---	---	191	187	188	150	145	146	172	160	165
10	---	---	---	195	191	192	146	138	143	183	172	177
11	---	---	---	198	194	196	138	128	132	191	183	189
12	---	---	---	199	197	198	129	115	121	197	191	194
13	---	---	---	199	170	183	116	103	110	200	196	198
14	---	---	---	174	169	171	---	---	---	204	198	201
15	---	---	---	170	167	168	---	---	---	198	174	186
16	---	---	---	172	168	170	---	---	---	174	162	166
17	---	---	---	174	172	173	131	123	128	164	159	162
18	---	---	---	175	173	174	133	125	129	167	163	165
19	---	---	---	180	174	177	141	133	136	169	163	166
20	---	---	---	189	180	184	148	140	144	163	152	157
21	---	---	---	199	189	193	148	145	146	158	142	152
22	---	---	---	190	184	187	149	143	147	142	136	140
23	225	185	212	191	184	186	153	148	151	179	135	147
24	185	136	161	189	186	188	158	152	154	228	179	203
25	136	133	134	191	187	189	158	153	156	264	228	245
26	140	133	136	195	191	193	162	157	159	288	264	277
27	148	140	145	195	192	194	164	159	161	300	288	295
28	155	148	151	194	190	193	166	163	164	299	217	260
29	---	---	---	190	180	182	163	158	160	217	128	174
30	---	---	---	185	181	183	163	155	158	128	97	112
31	---	---	---	186	181	184	---	---	---	97	86	91
MONTH	225	133	156	199	155	182	183	103	150	300	86	175

12510500 YAKIMA RIVER AT KIONA, WA--Continued

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	86	84	85	112	105	109	257	250	254	263	253	258
2	88	84	86	112	105	109	255	248	252	260	249	254
3	99	88	94	137	112	124	257	251	254	252	241	246
4	104	99	102	164	137	151	254	233	247	243	235	239
5	103	98	102	194	164	180	243	235	239	240	232	236
6	101	96	99	211	194	205	241	231	237	240	221	230
7	98	94	96	215	205	210	237	231	233	271	239	256
8	100	94	97	208	204	206	239	233	236	259	247	252
9	104	99	102	215	207	211	244	235	238	266	254	261
10	125	104	114	222	213	218	250	241	244	263	249	258
11	142	125	134	225	217	221	250	244	247	256	244	252
12	163	139	151	233	223	227	252	246	250	264	255	261
13	182	156	168	245	231	236	246	229	236	281	264	274
14	178	165	169	250	237	244	248	231	237	282	272	277
15	182	166	177	253	242	248	256	243	247	283	272	277
16	166	100	126	253	245	250	258	250	254	278	270	274
17	103	82	90	253	244	250	265	247	252	283	270	277
18	93	83	88	253	242	248	262	251	256	282	273	277
19	105	93	99	253	245	250	255	244	249	275	268	272
20	111	105	108	256	250	254	248	235	241	273	266	270
21	121	111	116	257	234	248	245	234	240	272	266	269
22	131	120	126	243	228	236	246	239	243	273	266	269
23	133	130	132	245	232	238	247	239	243	271	264	268
24	130	122	126	243	233	237	247	238	243	269	263	267
25	122	117	120	247	238	243	247	237	242	270	265	267
26	118	115	117	251	243	247	249	238	243	271	265	269
27	123	117	120	252	244	249	255	243	248	274	268	270
28	122	117	120	254	245	250	260	248	253	273	267	270
29	117	112	115	257	248	253	263	250	257	269	262	265
30	114	111	113	257	251	254	264	253	260	265	258	262
31	---	---	---	256	250	254	265	254	260	---	---	---
MONTH	182	82	116	257	105	221	265	229	246	283	221	263
YEAR	300	82	193									

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	18.6	14.9	16.6	10.2	9.3	9.8	---	---	---	---	---	---
2	18.6	15.2	16.8	11.5	9.7	10.6	---	---	---	---	---	---
3	18.5	15.0	16.5	11.3	10.1	10.6	---	---	---	---	---	---
4	17.4	14.4	15.7	11.0	9.8	10.3	---	---	---	---	---	---
5	17.1	13.1	14.7	10.8	9.7	10.1	---	---	---	---	---	---
6	---	---	---	9.8	8.5	9.2	---	---	---	---	---	---
7	---	---	---	9.1	7.8	8.4	---	---	---	---	---	---
8	---	---	---	8.4	7.1	7.7	---	---	---	---	---	---
9	---	---	---	7.3	6.3	6.8	---	---	---	---	---	---
10	---	---	---	6.5	5.9	6.2	---	---	---	---	---	---
11	---	---	---	6.3	5.5	5.9	---	---	---	---	---	---
12	---	---	---	6.8	5.7	6.2	---	---	---	---	---	---
13	---	---	---	7.8	6.1	6.9	---	---	---	---	---	---
14	---	---	---	9.0	7.7	8.4	---	---	---	---	---	---
15	---	---	---	9.3	8.5	8.9	---	---	---	---	---	---
16	---	---	---	10.1	9.2	9.6	---	---	---	---	---	---
17	---	---	---	10.1	9.2	9.8	---	---	---	---	---	---
18	---	---	---	9.3	8.3	8.7	---	---	---	---	---	---
19	---	---	---	8.3	7.6	8.0	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	10.5	9.2	9.7	---	---	---	---	---	---	---	---	---
MONTH	18.6	9.2	15.0	11.5	5.5	8.5	---	---	---	---	---	---

12510500 YAKIMA RIVER AT KIONA, 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
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	5.0	3.7	4.4	13.4	11.1	12.1	16.8	13.5	15.0
2	---	---	---	5.6	4.2	4.9	12.0	10.7	11.3	16.9	14.4	15.5
3	---	---	---	5.9	4.4	5.1	12.1	10.0	11.0	15.5	13.9	14.8
4	---	---	---	5.8	5.0	5.4	12.1	9.9	10.9	14.7	12.5	13.0
5	---	---	---	6.2	5.3	5.8	11.7	10.4	11.0	12.7	11.3	12.0
6	---	---	---	5.8	5.1	5.4	12.8	10.6	11.6	11.9	10.6	11.3
7	---	---	---	6.6	5.1	5.7	12.5	10.9	11.6	11.5	10.3	10.8
8	---	---	---	6.2	4.8	5.5	12.4	10.5	11.4	13.2	10.3	11.5
9	---	---	---	6.0	5.1	5.4	11.7	11.1	11.5	13.9	11.1	12.5
10	---	---	---	5.7	4.9	5.3	12.7	10.8	11.5	15.1	11.9	13.6
11	---	---	---	7.3	5.4	6.2	12.4	11.2	11.8	16.9	13.1	15.0
12	---	---	---	7.7	5.9	6.9	13.0	11.4	12.2	17.7	14.0	15.8
13	---	---	---	7.6	6.7	7.1	13.9	12.3	13.1	17.5	15.2	16.2
14	---	---	---	7.7	6.8	7.2	13.6	12.1	13.0	17.4	13.9	15.7
15	---	---	---	7.2	6.4	6.9	12.8	8.9	11.2	17.3	14.5	15.9
16	---	---	---	7.2	6.3	6.7	8.9	7.8	8.3	17.2	14.2	15.7
17	---	---	---	7.1	6.1	6.4	9.3	7.3	8.2	18.1	15.0	16.4
18	---	---	---	6.2	4.9	5.8	9.9	7.3	8.7	17.3	15.7	16.4
19	---	---	---	7.4	4.8	6.1	11.3	8.4	9.9	17.5	15.6	16.5
20	---	---	---	6.4	4.9	5.7	12.9	10.1	11.4	16.6	15.6	16.0
21	---	---	---	5.3	4.1	4.7	13.7	11.4	12.5	16.7	15.0	15.8
22	---	---	---	5.8	4.3	5.0	13.8	12.2	13.0	15.5	13.9	14.8
23	9.3	8.3	8.8	5.3	4.6	5.0	13.2	11.7	12.5	15.9	13.6	14.7
24	8.6	6.8	7.8	6.9	4.8	5.7	13.4	11.0	12.2	16.6	13.7	15.1
25	6.8	5.2	5.8	9.0	6.1	7.6	13.4	11.3	12.4	16.2	15.0	15.7
26	5.2	4.1	4.8	9.2	7.6	8.4	14.1	11.3	12.7	16.5	15.2	15.8
27	4.6	3.5	4.1	10.2	7.8	9.0	13.6	11.8	12.7	17.3	15.4	16.3
28	4.5	3.7	4.1	11.0	8.6	9.7	14.7	11.3	13.0	16.9	15.2	16.1
29	---	---	---	10.9	8.8	9.8	14.4	11.8	13.1	16.6	15.1	15.8
30	---	---	---	12.4	9.6	11.0	15.5	12.3	13.8	16.8	14.2	15.4
31	---	---	---	13.2	10.4	11.8	---	---	---	16.9	14.2	15.5
MONTH	9.3	3.5	5.9	13.2	3.7	6.6	15.5	7.3	11.7	18.1	10.3	14.9

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	16.5	14.7	15.5	20.0	17.4	18.7	25.7	20.7	23.0	23.8	21.8	22.6
2	16.6	14.2	15.4	19.7	17.0	18.4	24.4	21.1	22.5	23.7	20.9	22.2
3	16.5	14.3	15.5	19.6	18.0	18.8	24.4	20.1	22.1	22.2	20.3	21.5
4	17.1	14.5	15.8	20.9	17.8	19.3	21.9	20.1	20.9	21.2	18.8	20.0
5	17.5	15.1	16.2	21.8	18.1	19.9	22.2	19.2	20.6	21.1	18.7	19.9
6	16.3	14.8	15.6	23.1	19.2	21.1	22.2	19.0	20.4	20.1	18.0	19.0
7	15.1	13.0	13.9	23.9	20.5	22.0	22.8	18.6	20.6	19.7	17.4	18.5
8	13.6	11.7	12.6	24.5	20.8	22.5	23.2	19.2	21.1	19.5	17.1	18.2
9	13.3	11.6	12.5	24.6	21.1	22.8	24.0	19.6	21.7	20.2	17.2	18.6
10	15.1	12.2	13.6	25.9	21.5	23.6	25.5	20.7	22.9	20.8	17.7	19.1
11	17.4	13.6	15.4	27.8	22.9	25.1	24.7	21.0	22.8	21.4	18.1	19.6
12	19.2	15.7	17.4	29.1	24.2	26.4	25.0	21.3	23.0	22.1	18.6	20.2
13	20.4	17.3	18.8	30.2	25.4	27.3	25.8	21.6	23.5	22.5	18.9	20.6
14	21.0	18.5	19.7	28.8	24.5	26.4	26.8	21.7	24.1	21.6	19.0	20.4
15	20.9	18.6	19.8	28.4	23.6	25.9	27.0	21.7	24.2	21.4	19.3	20.3
16	19.6	17.4	18.4	28.5	23.6	25.9	25.4	22.0	23.4	20.4	18.8	19.5
17	17.7	15.7	16.6	28.8	23.8	26.1	24.4	20.3	22.2	20.2	18.2	19.0
18	16.0	14.5	15.2	28.9	23.4	25.8	24.4	20.2	22.2	18.9	16.8	17.9
19	17.2	13.6	15.3	27.2	23.5	25.0	23.5	20.5	21.9	19.8	17.0	18.3
20	18.1	14.9	16.5	27.4	23.1	25.1	22.9	20.0	21.4	19.6	17.4	18.4
21	19.3	16.2	17.8	27.5	23.0	25.1	22.9	19.9	21.3	18.5	16.3	17.3
22	20.0	17.6	18.9	27.8	23.3	25.4	23.2	19.9	21.4	18.1	15.5	16.7
23	20.8	18.6	19.7	28.2	24.1	25.9	24.0	20.4	22.0	18.2	15.4	16.8
24	21.2	19.1	20.2	28.5	23.8	25.9	24.1	20.7	22.3	18.2	15.7	16.9
25	21.6	19.2	20.4	28.1	24.2	26.0	24.8	21.6	23.1	18.4	16.0	17.1
26	22.1	19.4	20.8	27.5	23.5	25.2	24.9	21.6	23.1	17.1	16.0	16.6
27	22.3	20.5	21.4	26.9	22.7	24.4	25.0	21.6	23.2	18.0	15.8	16.8
28	21.5	20.0	20.5	26.7	21.9	24.0	25.5	21.8	23.6	18.0	15.7	16.8
29	20.0	18.5	19.3	27.6	22.6	24.9	25.4	22.0	23.6	17.1	15.2	16.3
30	19.6	17.0	18.4	27.5	23.3	25.1	24.8	21.4	23.1	15.3	14.1	14.7
31	---	---	---	25.9	21.8	23.7	24.8	21.3	22.9	---	---	---
MONTH	22.3	11.6	17.2	30.2	17.0	23.9	27.0	18.6	22.4	23.8	14.1	18.7
YEAR	30.2	3.5	15.6									

12510500 YAKIMA RIVER AT KIONA, WA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
OCT													
16...	1220	1300	752	11.2	109	8.3	301	14.0	13.4	120	146	0	7.01
NOV													
20...	1230	3000	748	11.2	97	8.0	186	11.3	8.1	74	90	0	4.96
DEC													
17...	1220	3150	757	12.8	101	8.2	195	9.0	5.2	80	96	0	5.10
JAN													
23...	1050	3490	758	13.1	98	7.9	189	1.7	3.0	76	92	0	4.39
FEB													
20...	1140	2270	760	13.5	112	8.3	228	11.0	7.1	91	110	0	5.29
MAR													
07...	1030	3490	749	12.8	105	8.0	182	7.0	6.0	--	--	--	--
20...	1140	2630	762	13.1	106	8.3	189	2.0	6.1	76	91	0	3.86
APR													
16...	1110	13700	747	10.9	96	7.5	104	--	8.9	41	49	0	2.03
30...	1150	3130	747	10.8	107	8.0	166	18.4	14.1	--	--	--	--
MAY													
06...	1130	4670	755	11.4	105	8.0	139	15.0	11.4	--	--	--	--
20...	1040	3820	746	9.4	98	7.9	165	18.9	16.2	73	88	0	3.50
JUN													
03...	1105	9400	752	9.8	101	7.9	104	26.0	16.0	--	--	--	--
18...	1110	9330	750	9.9	100	7.6	93	--	15.1	44	53	0	1.85
JUL													
09...	1050	1780	760	10.8	126	8.3	216	30.4	22.8	--	--	--	--
23...	1200	1360	750	9.9	125	8.5	231	40.5	26.2	102	120	2	5.25
AUG													
06...	1120	1480	759	10.0	111	8.2	232	18.0	20.0	--	--	--	--
21...	1220	1330	752	10.0	115	8.3	243	25.2	21.5	96	114	0	5.34
SEP													
17...	1140	1670	748	9.3	102	8.2	274	19.0	18.9	108	126	0	5.74

Date	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN,PAR TICULTE WAT FLT SUSP (MG/L AS N) (49570)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CARBON, INORG + ORGANIC PARTIC. TOTAL (MG/L AS C) (00694)	CARBON, INOR-GANIC, PARTIC. TOTAL (MG/L AS C) (00688)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC PARTIC-ULATE TOTAL (MG/L AS C) (00689)
OCT													
16...	16.6	<.04	.25	1.09	.012	.08	1.3	.10	.143	.7	--	1.8	--
NOV													
20...	8.6	E.03	.26	.79	.009	.13	1.1	.06	.109	.9	<.1	1.8	.9
DEC													
17...	8.6	<.04	.31	.80	E.006	.12	1.1	.05	.112	1.0	<.1	2.3	1.0
JAN													
23...	8.2	E.03	.22	.78	E.005	.07	1.0	.07	.094	.7	<.1	8.9	.7
FEB													
20...	10.7	<.04	.13	.87	E.006	.05	1.0	.06	.092	.5	E.1	3.0	E.4
MAR													
07...	--	E.04	.17	.58	E.004	--	.75	.07	.102	--	--	--	--
20...	7.8	<.04	.19	.46	<.008	.06	.65	.06	.096	.6	<.1	5.4	.6
APR													
16...	4.2	.08	1.5	.29	E.006	.30	1.8	.05	.62	2.6	<.1	5.4	2.5
30...	--	<.04	.21	.44	.012	--	.66	.06	.103	--	--	--	--
MAY													
06...	--	<.04	.24	.36	E.004	--	.60	.05	.107	--	--	--	--
20...	7.1	<.04	.36	.41	.010	.18	.77	.05	.137	1.3	<.1	2.1	1.3
JUN													
03...	--	<.04	.33	.27	.010	--	.60	.03	.177	--	--	--	--
18...	3.4	<.04	.29	.24	E.005	.12	.53	.03	.157	1.0	<.1	1.6	1.0
JUL													
09...	--	<.04	.20	.64	.013	--	.84	.03	.058	--	--	--	--
23...	11.9	<.04	.34	.74	.022	.12	1.1	.07	.125	.7	<.1	2.4	.7
AUG													
06...	--	<.04	.24	.85	.011	--	1.1	.09	.113	--	--	--	--
21...	12.3	<.04	.24	.92	<.008	.05	1.2	.03	.138	.3	<.1	1.8	.3
SEP													
17...	14.3	<.04	.24	1.12	.015	.04	1.4	.10	.136	.2	<.1	2.0	.2

12510500 YAKIMA RIVER AT KIONA, WA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	2,4-D METHYL ESTER, WATER FLTRD REC (UG/L) (50470)	2,4-D, DIS-SOLVED (UG/L) (39732)	2,4-DB WATER, FLTRD, GF 0.7U REC (UG/L) (38746)	2,6-DI-ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	3HYDRXY CARBO-FURAN WAT,FLT GF 0.7U REC (UG/L) (49308)	3-KETO CARBO-FURAN WATER FLTRD REC (UG/L) (50295)	ACETO-CHLOR ESA FLTRD 0.7 UM GF REC (UG/L) (61029)	ACETO-CHLOR OA FLTRD 0.7 UM GF REC (UG/L) (61030)	ACETO-CHLOR, WATER FLTRD REC (UG/L) (49260)	ACIFL-UORFEN WATER, FLTRD, GF 0.7U REC (UG/L) (49315)	ALA-CHLOR OA FLTRD 0.7 UM GF REC (UG/L) (61031)	ALA-CHLOR ESA WAT FLT GF 0.7U REC (UG/L) (50009)	ALA-CHLOR, WATER, DISS, REC, (UG/L) (46342)
OCT													
16...	<.009	E.01	<.02	<.002	<.006	<2	--	--	<.004	<.007	--	--	<.002
NOV													
20...	<.009	<.02	<.02	<.002	<.006	<2	<.05	<.05	<.004	<.007	<.05	<.05	<.002
DEC													
17...	<.009	<.02	<.02	<.002	<.006	<2	<.05	<.05	<.004	<.007	<.05	<.05	<.002
JAN													
23...	<.009	<.02	<.02	<.006	<.006	<2	<.05	<.05	<.006	<.007	<.05	<.05	<.004
FEB													
20...	<.009	<.02	<.02	<.006	<.006	<2	<.05	<.05	<.006	<.007	<.05	<.05	<.004
MAR													
07...	<.009	<.02	<.02	<.006	<.006	<2	<.05	<.05	<.006	<.007	<.05	<.05	<.004
20...	<.009	<.02	<.02	<.006	<.006	<2	<.05	<.05	<.006	<.104	<.05	<.05	<.004
APR													
16...	<.009	<.02	<.02	<.006	<.006	<2	<.05	<.05	<.006	<.007	<.05	<.05	<.004
30...	<.009	.09	<.02	<.006	<.006	<2	<.05	<.05	<.006	<.007	<.05	<.05	<.004
MAY													
06...	<.009	.04	<.02	<.006	<.006	<2	<.05	<.05	<.006	<.007	<.05	<.05	<.004
20...	<.009	.08	<.02	<.006	<.006	<2	--	--	<.006	<.007	--	--	<.004
JUN													
03...	--	--	--	<.006	--	--	<.05	<.05	<.006	--	<.05	<.05	<.004
18...	<.009	E.01	<.02	<.006	<.006	<2	<.05	<.05	<.006	<.007	<.05	<.05	<.004
JUL													
09...	<.009	E.05	<.02	<.006	<.006	<2	<.05	<.05	<.006	<.007	<.05	<.05	<.004
23...	<.009	.04	<.02	<.006	<.006	<2	<.05	<.05	<.006	<.007	<.05	<.05	<.004
AUG													
06...	<.009	.03	<.02	<.006	<.006	<2	<.05	<.05	<.006	<.007	<.05	.05	<.004
21...	<.009	.11	<.02	<.006	<.006	<2	<.05	<.05	<.006	<.007	<.05	<.05	<.004
SEP													
17...	<.009	E.02	<.02	<.006	<.006	<2	<.05	<.05	<.006	<.007	<.05	.07	<.004

Date	ALDI-CARB SULFONE WAT,FLT GF 0.7U REC (UG/L) (49313)	ALDICA-RB SUL-FOXIDE, WAT,FLT GF 0.7U REC (UG/L) (49314)	ALDI-CARB, WATER, FLTRD, GF 0.7U REC (UG/L) (49312)	ALPHA BHC DIS-SOLVED (UG/L) (34253)	ATRA-ZINE, WATER, DISS, REC (UG/L) (39632)	BENDIO-CARB, WATER FLTRD REC (UG/L) (50299)	BEN-FLUR-ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	BENOMYL WATER FLTRD REC (UG/L) (50300)	BEN-SUL-FURON METHYL WAT FLT REC (UG/L) (61693)	BENTA-ZON, WATER, FLTRD, GF 0.7U REC (UG/L) (38711)	BRO-MACIL, WATER, DISS, REC (UG/L) (04029)	BRO-MOXYNIL WATER, FLTRD, GF 0.7U REC (UG/L) (49311)	BUTYL-ATE, WATER, DISS, REC (UG/L) (04028)
OCT													
16...	<.02	<.008	<.04	<.005	<.010	<.03	<.010	<.004	<.02	E.01	<.03	<.02	<.002
NOV													
20...	<.02	<.008	<.04	<.005	E.006	<.03	<.010	<.004	<.02	<.01	<.03	<.02	<.002
DEC													
17...	<.02	<.008	<.04	<.005	E.005	<.03	<.010	<.004	<.02	M	<.03	<.02	<.002
JAN													
23...	<.02	<.008	<.04	<.005	E.004	<.03	<.010	<.004	<.02	<.01	<.03	<.02	<.002
FEB													
20...	<.02	<.008	<.04	<.005	E.006	<.03	<.010	<.004	<.02	<.01	<.03	<.02	<.002
MAR													
07...	<.02	<.008	<.04	<.005	E.004	<.03	<.010	<.004	<.02	<.01	M	<.02	<.002
20...	<.02	<.008	<.04	<.005	E.003	<.03	<.010	<.004	<.02	<.01	<.03	<.02	<.002
APR													
16...	<.02	<.008	<.04	<.005	<.007	<.03	<.010	<.004	<.02	<.01	<.03	<.02	<.002
30...	<.02	<.008	<.04	<.005	.009	<.03	<.010	<.004	<.02	<.01	E.02	E.01	<.002
MAY													
06...	<.02	<.008	<.04	<.005	.008	<.03	<.010	<.004	<.02	<.01	<.03	<.02	<.002
20...	<.02	<.008	<.04	<.005	.011	<.03	<.010	<.004	<.02	<.01	E.01	<.02	<.002
JUN													
03...	--	--	--	<.005	<.007	--	<.010	--	--	--	--	--	<.002
18...	<.02	<.008	<.04	<.005	<.007	<.03	<.010	<.004	<.02	<.01	<.03	<.02	<.002
JUL													
09...	<.02	<.008	<.04	<.005	.014	<.03	<.010	<.004	<.02	<.01	<.03	<.02	<.002
23...	<.02	<.008	<.04	<.005	.012	<.03	<.010	<.004	<.02	E.02	<.03	<.02	<.002
AUG													
06...	<.02	<.008	<.04	<.005	.011	<.03	<.010	<.004	<.02	E.02	<.03	<.02	<.002
21...	<.02	<.008	<.04	<.005	.009	<.03	<.010	<.004	<.02	E.02	<.03	<.02	<.002
SEP													
17...	<.02	<.008	<.04	<.005	.007	<.03	<.010	<.004	<.02	E.01	<.03	<.02	<.002

12510500 YAKIMA RIVER AT KIONA, WA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	CAF-FEINE, WATER FLTRD REC (UG/L) (50305)	CAR-BARYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49310)	CAR-BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	CARBO-FURAN, WATER, FLTRD, GF 0.7U REC (UG/L) (49309)	CARBO-FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	CHLOR-AMBEN, METHYL ESTER WATER FLTRD (UG/L) (61188)	CHLORI-MURON, WATER FLTRD REC (UG/L) (50306)	CHLORO-THALO-NIL, WAT,FLT GF 0.7U REC (UG/L) (49306)	CHLOR-PYRIFOS DIS-SOLVED (UG/L) (38933)	CLOPYR-ALID, WATER, FLTRD, GF 0.7U REC (UG/L) (49305)	CYANA-ZINE, WATER, DISS, REC (UG/L) (04041)	CY-CLOATE, WATER, DISS, REC (UG/L) (04031)	DACTHAL MONO-ACID, WAT,FLT GF 0.7U REC (UG/L) (49304)
OCT													
16...	<.010	<.03	<.041	<.006	<.020	<.02	<.010	<.04	<.005	<.01	<.018	<.01	<.01
NOV													
20...	<.010	<.03	<.041	<.006	<.020	<.02	<.010	<.04	<.005	<.01	<.018	<.01	<.01
DEC													
17...	<.010	<.03	<.041	<.006	<.020	<.02	<.010	<.04	<.005	<.01	<.018	<.01	<.01
JAN													
23...	<.010	<.03	<.041	<.006	<.020	<.02	<.010	<.04	<.005	<.01	<.018	<.01	<.01
FEB													
20...	<.010	<.03	<.041	<.006	<.020	<.02	<.010	<.04	<.005	<.01	<.018	<.01	<.01
MAR													
07...	E.007	<.03	<.041	<.006	<.020	<.02	<.010	<.04	<.005	<.01	<.018	<.01	<.01
20...	<.010	<.03	<.041	<.006	<.020	<.02	<.010	<.04	<.005	<.01	<.018	<.01	<.01
APR													
16...	<.010	<.03	<.041	<.006	<.020	<.02	<.010	<.04	E.004	<.01	<.018	<.01	<.01
30...	<.010	E.01	E.055	<.006	<.020	<.02	<.010	<.04	<.005	<.01	<.018	<.01	<.01
MAY													
06...	.014	E.01	E.048	<.006	<.020	<.02	<.010	<.04	<.005	<.01	<.018	<.01	<.01
20...	<.010	E.01	E.016	<.006	<.020	<.02	<.010	<.04	<.005	<.01	<.018	<.01	<.01
JUN													
03...	--	--	<.041	--	<.020	--	--	--	<.005	--	<.018	--	--
18...	E.008	<.03	<.041	<.006	<.020	<.02	<.010	<.04	<.005	<.01	<.018	<.01	<.01
JUL													
09...	<.010	<.03	E.008	<.006	<.020	<.02	<.010	<.04	<.005	<.01	<.018	<.01	<.01
23...	<.010	<.03	<.041	<.006	<.020	<.02	<.010	<.04	<.005	<.01	<.018	<.01	<.01
AUG													
06...	<.010	<.03	E.007	<.006	<.020	<.02	<.010	<.04	<.005	<.01	<.018	<.01	<.01
21...	E.010	M	E.007	<.006	<.020	<.02	<.010	<.04	<.005	<.01	<.018	<.01	<.01
SEP													
17...	<.010	M	E.009	<.006	<.020	<.02	<.010	<.04	<.005	<.01	<.018	<.01	<.01

Date	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	DEETHYL ATRA-ZINE, WATER, DISS, REC (UG/L) (04040)	DEETHYL DEISO-PROPYL ATRAZIN DISS, REC (UG/L) (04039)	DEISO-PROPYL ATRAZIN WATER, DISS, REC (UG/L) (04038)	DI-AZINON, DIS-SOLVED (UG/L) (39572)	DICAMBA WATER, FLTRD, GF 0.7U REC (UG/L) (38442)	DICHLOR PROP, WATER, FLTRD, GF 0.7U REC (UG/L) (49302)	DI-ELDRIN DIS-SOLVED (UG/L) (39381)	DIMETH-ENAMID OA, WATER FLT, REC (UG/L) (62482)	DIMETH-ENAMID, ESA, WAT FLT (UG/L) (61951)	DINOSEB WATER, FLTRD, GF 0.7U REC (UG/L) (49301)	DIPHEN-AMID, WATER, DISS, REC (UG/L) (04033)	DISUL-FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)
OCT													
16...	<.003	E.009	<.01	<.04	<.005	<.01	<.01	<.005	--	--	M	<.03	<.02
NOV													
20...	<.003	E.005	<.01	<.04	<.005	<.01	<.01	<.005	<.05	<.05	<.01	<.03	<.02
DEC													
17...	<.003	E.004	<.01	<.04	<.005	<.01	<.01	<.005	<.05	<.05	<.01	<.03	<.02
JAN													
23...	<.003	E.004	<.01	<.04	<.005	<.01	<.01	<.005	<.05	<.05	<.01	<.03	<.02
FEB													
20...	<.003	E.006	<.01	<.04	<.005	<.01	<.01	<.005	<.05	<.05	<.01	<.03	<.02
MAR													
07...	<.003	E.004	<.01	<.04	<.005	<.01	<.01	<.005	<.05	<.05	<.01	<.03	<.02
20...	<.003	E.004	<.01	<.04	<.005	<.01	<.01	<.005	<.05	<.05	<.01	<.03	<.02
APR													
16...	<.003	<.006	<.01	<.04	<.005	<.01	<.01	<.005	<.05	<.05	<.01	<.03	<.02
30...	<.003	E.005	<.01	<.04	<.005	<.01	<.01	<.005	<.05	<.05	<.01	<.03	<.02
MAY													
06...	<.003	E.004	<.01	<.04	<.005	<.01	<.01	<.005	<.05	<.05	<.01	<.03	<.02
20...	<.003	E.006	<.01	<.04	E.004	<.01	<.01	<.005	--	--	M	<.03	<.02
JUN													
03...	<.003	<.006	--	--	<.005	--	--	<.005	<.05	<.05	--	--	<.02
18...	<.003	<.006	<.01	<.04	<.005	<.01	<.01	<.005	<.05	<.05	<.01	<.03	<.02
JUL													
09...	<.003	E.009	<.01	<.04	<.005	<.01	<.01	<.005	<.05	<.05	<.01	<.03	<.02
23...	<.003	E.009	<.01	<.04	<.005	<.01	<.01	<.005	<.05	<.05	<.01	<.03	<.02
AUG													
06...	<.003	E.012	<.01	<.04	<.005	<.01	<.01	<.005	<.05	<.05	<.01	<.03	<.02
21...	<.003	E.011	<.01	<.04	<.005	<.01	<.01	<.005	<.05	<.05	M	<.03	<.02
SEP													
17...	<.003	E.008	<.01	<.04	<.005	<.01	<.01	<.005	<.05	<.05	<.01	<.03	<.02

12510500 YAKIMA RIVER AT KIONA, WA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	DIURON, WATER, FLTRD, GF 0.7U REC (UG/L) (49300)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	ETHAL-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	ETHO-PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	FEN-URON, WATER, FLTRD, GF 0.7U REC (UG/L) (49297)	FLUFEN-ACET, ESA, WAT FLT (UG/L) (61952)	FLUFE-NACET OA, WATER FLT, REC (UG/L) (62483)	FLUMET-SULAM WATER FLTRD REC (UG/L) (61694)	FLUO-METURON WATER, FLTRD, GF 0.7U REC (UG/L) (38811)	FONOFOS WATER DISS REC (UG/L) (04095)	HYDROXY ATRA-ZINE WATER FLTRD REC (UG/L) (50355)	IMAZ-AQUIN WATER FLTRD REC (UG/L) (50356)	IMAZE-THAPYR WATER FLTRD REC (UG/L) (50407)
OCT													
16...	<.01	<.002	<.009	<.005	<.03	--	--	<.01	<.03	<.003	<.008	<.02	<.02
NOV													
20...	E.01	<.002	<.009	<.005	<.03	<.05	<.05	<.01	<.03	<.003	<.008	<.02	<.02
DEC													
17...	E.01	<.002	<.009	<.005	<.03	<.05	<.05	<.01	<.03	<.003	<.008	<.02	E.02
JAN													
23...	<.01	<.002	<.009	<.005	<.03	<.05	<.05	<.01	<.03	<.003	<.008	<.02	<.02
FEB													
20...	M	<.002	<.009	<.005	<.03	<.05	<.05	<.01	<.03	<.003	<.008	M	<.02
MAR													
07...	E.01	<.002	<.009	<.005	<.03	<.05	<.05	<.01	<.03	<.003	<.008	<.02	<.02
20...	E.01	<.002	<.009	<.005	<.03	<.05	<.05	<.01	<.03	<.003	<.008	<.02	<.02
APR													
16...	E.01	<.002	<.009	<.005	<.03	<.05	<.05	<.01	<.03	<.003	<.008	<.02	<.02
30...	.04	<.002	<.009	<.005	<.03	<.05	<.05	<.01	<.03	<.003	<.008	<.02	<.02
MAY													
06...	.02	<.002	<.009	<.005	<.03	<.05	<.05	<.01	<.03	<.003	E.006	<.02	<.02
20...	.03	.020	<.009	<.005	<.03	--	--	<.01	<.03	<.003	<.008	<.02	E.01
JUN													
03...	--	<.002	<.009	<.005	--	<.05	<.05	--	--	<.003	--	--	--
18...	E.01	<.002	<.009	<.005	<.03	<.05	<.05	<.01	<.03	<.003	<.008	<.02	<.02
JUL													
09...	<.01	.004	<.009	<.005	<.03	<.05	<.05	<.01	<.03	<.003	<.008	<.02	<.02
23...	E.01	<.002	<.009	<.005	<.03	<.05	<.05	<.01	<.03	<.003	E.008	M	<.02
AUG													
06...	E.01	<.002	<.009	<.005	<.03	<.05	<.05	<.01	<.03	<.003	E.014	<.02	<.02
21...	E.01	<.002	<.009	<.005	<.03	<.05	<.05	<.01	<.03	<.003	<.008	<.02	<.02
SEP													
17...	<.01	<.002	<.009	<.005	<.03	<.05	<.05	<.01	<.03	<.003	<.008	<.02	<.02

Date	IMID-ACLOP-RID WATER FLTRD REC (UG/L) (61695)	LINDANE DIS-SOLVED (UG/L) (39341)	LINURON WATER, FLTRD, GF 0.7U REC (UG/L) (38478)	LIN-URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	MALA-THION, DIS-SOLVED (UG/L) (39532)	MCPA, WATER, FLTRD, GF 0.7U REC (UG/L) (38482)	MCPB, WATER, FLTRD, GF 0.7U REC (UG/L) (38487)	METAL-AXYL WATER FLTRD REC (UG/L) (50359)	METHIO-CARB, WATER, FLTRD, GF 0.7U REC (UG/L) (38501)	METH-OMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49296)	METHYL AZIN-PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	METHYL PARA-THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	METOLA-CHLOR ESA FLTRD 0.7 UM GF REC (UG/L) (61043)
OCT													
16...	<.007	<.004	<.01	<.035	<.027	<.02	<.01	<.02	<.008	<.004	<.050	<.006	--
NOV													
20...	<.007	<.004	<.01	<.035	<.027	<.02	<.01	<.02	<.008	<.004	<.050	<.006	<.05
DEC													
17...	<.007	<.004	<.01	<.035	<.027	<.02	<.01	<.02	<.008	<.004	<.050	<.006	<.05
JAN													
23...	<.007	<.004	<.01	<.035	<.027	<.02	<.01	<.02	<.008	<.004	<.050	<.006	<.05
FEB													
20...	<.007	<.004	<.01	<.035	<.027	<.02	<.01	<.02	<.008	<.004	<.050	<.006	<.05
MAR													
07...	<.007	<.004	<.01	<.035	<.027	<.02	<.01	<.02	<.008	<.004	<.050	<.006	<.05
20...	<.007	<.004	<.01	<.035	<.027	<.08	<.01	<.02	<.008	<.004	<.050	<.006	<.05
APR													
16...	<.007	<.004	<.01	<.035	<.027	<.02	<.01	<.02	<.008	<.004	<.050	<.006	<.05
30...	<.007	<.004	<.01	<.035	<.027	.06	M	<.02	<.008	<.004	<.050	<.006	<.05
MAY													
06...	<.007	<.004	<.01	<.035	<.027	.02	<.01	<.02	<.008	<.004	<.050	<.006	<.05
20...	<.007	<.004	<.01	<.035	<.027	<.02	<.01	<.02	<.008	<.004	E.011	<.006	--
JUN													
03...	--	<.004	--	<.035	<.027	--	--	--	--	--	<.050	<.006	<.05
18...	<.007	<.004	<.01	<.035	<.027	<.02	<.01	<.02	<.008	<.004	<.050	<.006	<.05
JUL													
09...	<.007	<.004	<.01	<.035	E.010	<.02	<.01	<.02	<.008	<.004	E.026	<.006	<.05
23...	<.007	<.004	<.01	<.035	<.027	<.02	<.01	<.02	<.008	<.004	E.034	<.006	<.05
AUG													
06...	<.007	<.004	<.01	<.035	.057	<.02	<.01	<.02	<.008	<.004	<.050	<.006	<.05
21...	<.007	<.004	<.01	<.035	E.004	<.02	<.01	<.02	<.008	<.004	E.015	<.006	<.05
SEP													
17...	<.007	<.004	<.01	<.035	<.027	<.02	<.01	<.02	<.008	<.004	<.050	<.006	<.05

12510500 YAKIMA RIVER AT KIONA, WA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	METOLA-CHLOR OA FLTRD 0.7 UM GF REC (UG/L) (61044)	METO-LACHLOR WATER DISSOLV (UG/L) (39415)	METRI-BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	MET-SUL-FURON METHYL WAT FLT REC (UG/L) (61697)	MOL-INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	NAPROP-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	NEB-URON, WATER, FLTRD, GF 0.7U REC (UG/L) (49294)	NICOSUL FURON WATER FLTRD REC (UG/L) (50364)	NORFLUR AZON, WATER, FLTRD, GF 0.7U REC (UG/L) (49293)	ORY-ZALIN, WATER, FLTRD, GF 0.7U REC (UG/L) (49292)	OXAMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (38866)	P,P' DDE DISSOLV (UG/L) (34653)	PARA-THION, DIS-SOLVED (UG/L) (39542)
OCT													
16...	--	<.013	<.006	<.03	<.002	<.007	<.01	<.01	<.02	<.02	<.01	<.003	<.007
NOV													
20...	<.05	<.013	<.006	<.03	<.002	<.007	<.01	<.01	<.02	<.02	<.01	<.003	<.007
DEC													
17...	<.05	<.013	<.006	<.03	<.002	<.007	<.01	<.01	<.02	<.02	<.01	<.003	<.007
JAN													
23...	<.05	<.013	<.006	<.03	<.002	<.007	<.01	<.01	<.02	<.02	<.01	<.003	<.010
FEB													
20...	<.05	<.013	<.006	<.03	<.002	<.007	<.01	<.01	<.02	<.02	<.01	<.003	<.010
MAR													
07...	<.05	<.013	<.006	<.03	<.002	<.007	<.01	<.01	<.02	<.02	<.01	<.003	<.010
20...	<.05	<.013	<.006	<.03	<.002	<.007	<.01	<.01	<.02	<.02	<.01	<.003	<.010
APR													
16...	<.05	<.013	<.006	<.03	<.002	<.007	<.01	<.01	<.02	<.02	<.01	<.003	<.010
30...	<.05	<.013	<.006	<.03	<.002	<.007	<.01	<.01	<.02	<.02	<.01	<.003	<.010
MAY													
06...	<.05	<.013	<.006	<.03	<.002	<.007	<.01	<.01	<.02	<.02	<.01	<.003	<.010
20...	--	<.013	<.006	<.03	<.002	<.007	<.01	<.01	<.02	<.02	<.01	<.003	<.010
JUN													
03...	<.05	<.013	<.006	--	<.002	<.007	--	--	--	--	--	<.003	<.010
18...	<.05	<.013	<.006	<.03	<.002	<.007	<.01	<.01	<.02	<.02	<.01	<.003	<.010
JUL													
09...	<.05	<.013	<.006	<.03	<.002	<.007	<.01	<.01	<.02	<.02	<.01	<.003	<.010
23...	<.05	<.013	<.006	<.03	<.002	<.007	<.01	<.01	<.02	<.02	<.01	<.003	<.010
AUG													
06...	<.05	<.013	<.006	<.03	<.002	<.007	<.01	<.01	<.02	<.02	<.01	<.003	<.010
21...	<.05	E.004	<.006	<.03	<.002	<.007	<.01	<.01	<.02	<.02	<.01	<.003	<.010
SEP													
17...	<.05	<.013	<.006	<.03	<.002	<.007	<.01	<.01	<.02	<.02	<.01	<.003	<.010

Date	PEB-ULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	PENDI-METH-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	PER-METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	PIC-LORAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49291)	PRO-METON, WATER, DISS, REC (UG/L) (04037)	PRON-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	PROPA-CHLOR, WATER, DISS, REC (UG/L) (04024)	PRO-PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PRO-PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	PRO-PHAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49236)	PROP-ICONA-ZOLE , WATER FLTRD REC (UG/L) (50471)	PRO-POXUR, WATER, FLTRD, GF 0.7U REC (UG/L) (38538)
OCT													
16...	<.002	<.010	<.006	<.011	<.02	<.01	<.004	<.010	<.011	<.02	<.010	<.02	<.008
NOV													
20...	<.002	<.010	<.006	<.011	<.02	<.01	<.004	<.010	<.011	<.02	<.010	<.02	<.008
DEC													
17...	<.002	<.010	<.006	<.011	<.02	M	<.004	<.010	<.011	<.02	<.010	<.02	<.008
JAN													
23...	<.004	<.022	<.006	<.011	<.02	<.01	<.004	<.010	<.011	<.02	<.010	<.02	<.008
FEB													
20...	<.004	<.022	<.006	<.011	<.02	M	<.004	<.010	<.011	<.02	<.010	<.02	<.008
MAR													
07...	<.004	<.022	<.006	<.011	<.02	M	<.004	<.010	<.011	<.02	<.010	<.02	<.008
20...	<.004	<.022	<.006	<.011	<.02	<.01	<.004	<.010	<.011	<.02	<.010	<.02	<.008
APR													
16...	<.004	<.022	<.006	<.011	<.02	<.01	<.004	<.010	<.011	<.02	<.010	<.02	<.008
30...	<.004	<.022	<.006	<.011	<.02	<.01	<.004	<.010	<.011	<.02	<.010	<.02	<.008
MAY													
06...	<.004	<.022	<.006	<.011	<.02	<.01	<.004	<.010	<.011	<.02	<.010	<.02	<.008
20...	<.004	<.022	<.006	<.011	<.02	<.01	<.004	<.010	<.011	<.02	<.010	<.02	<.008
JUN													
03...	<.004	<.022	<.006	<.011	--	<.01	<.004	<.010	<.011	<.02	--	--	--
18...	<.004	<.022	<.006	<.011	<.02	<.01	<.004	<.010	<.011	<.02	<.010	<.02	<.008
JUL													
09...	<.004	<.022	<.006	<.011	<.02	M	<.004	<.010	<.011	<.02	<.010	<.02	<.008
23...	<.004	<.022	<.006	<.011	<.02	M	<.004	<.010	<.011	<.02	<.010	<.02	<.008
AUG													
06...	<.004	<.022	<.006	<.011	<.02	<.01	<.004	<.010	<.011	<.02	<.010	<.02	<.008
21...	<.004	<.022	<.006	<.011	<.02	<.01	<.004	<.010	<.011	<.02	<.010	<.02	<.008
SEP													
17...	<.004	<.022	<.006	<.011	<.02	<.01	<.004	<.010	<.011	<.02	<.010	<.02	<.008

12510500 YAKIMA RIVER AT KIONA, WA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	SIDURON WATER FLTRD REC (UG/L) (38548)	SI-MAZINE, WATER, DISS, REC (UG/L) (04035)	SULFO-MET-RURON METHYL WTR FLT REC (UG/L) (50337)	TEBU-THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER-BACIL, WATER, DISS, REC (UG/L) (04032)	TER-BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TER-BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	TER-BUTHYL-AZINE, WATER, DISS, REC (UG/L) (04022)	THIO-BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	TRIAL-LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRI-BENURON METHYL WATER FLTRD (UG/L) (61159)	TRI-CLOPYR, WATER, FLTRD, GF 0.7U REC (UG/L) (49235)	TRI-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)
OCT													
16...	<.02	<.011	<.009	<.02	<.010	E.043	<.02	U	<.005	<.002	<.009	<.02	<.009
NOV													
20...	<.02	<.011	<.009	<.02	<.010	<.034	<.02	U	<.005	<.002	<.009	<.02	<.009
DEC													
17...	<.02	<.011	<.009	<.02	<.010	<.034	<.02	U	<.005	<.002	--	<.02	<.009
JAN													
23...	<.02	<.005	<.009	<.02	<.010	<.034	<.02	U	<.005	<.002	--	<.02	<.009
FEB													
20...	<.02	<.005	<.009	<.02	<.010	<.034	<.02	U	<.005	<.002	--	<.02	<.009
MAR													
07...	<.02	E.004	<.009	<.02	<.010	<.034	<.02	U	<.005	<.002	--	<.02	<.009
20...	<.02	<.005	<.009	<.02	<.010	<.034	<.02	U	<.005	<.002	--	<.02	<.009
APR													
16...	<.02	<.005	<.009	<.02	<.010	<.034	<.02	--	<.005	<.002	--	<.02	<.009
30...	<.02	.009	<.009	<.02	<.010	E.106	<.02	--	<.005	<.002	--	<.02	<.009
MAY													
06...	<.02	<.005	<.009	<.02	E.022	E.102	<.02	--	<.005	<.002	--	<.02	<.009
20...	<.02	<.005	<.009	<.02	<.010	E.034	<.02	--	<.005	<.002	--	<.02	E.004
JUN													
03...	--	<.005	--	<.02	--	<.034	<.02	--	<.005	<.002	--	--	<.009
18...	<.02	<.005	<.009	<.02	<.010	<.034	<.02	--	<.005	<.002	--	<.02	<.009
JUL													
09...	<.02	.008	<.009	<.02	<.010	E.028	<.02	--	<.005	<.002	--	<.02	<.009
23...	<.02	.008	<.009	<.02	E.027	E.057	<.02	--	<.005	<.002	--	<.02	<.009
AUG													
06...	<.02	<.005	<.009	<.02	E.017	E.033	<.02	--	<.005	<.002	--	<.02	<.009
21...	<.02	.005	<.009	<.02	<.010	E.018	<.02	--	<.005	<.002	--	<.02	<.009
SEP													
17...	<.02	<.005	<.009	<.02	E.018	E.033	<.02	--	<.005	<.002	--	<.02	<.009

Date	UREA 3(4-CHLOROPHENYL METHYL WAT FLT REC (UG/L) (61692)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	SEDIMENT, SUSPENDED (MG/L) (80154)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY) (80155)
OCT				
16...	<.02	--	12	42.1
NOV				
20...	<.02	90	24	194
DEC				
17...	<.02	89	24	204
JAN				
23...	<.02	81	16	151
FEB				
20...	<.02	--	10	61.3
MAR				
07...	<.02	77	24	226
20...	<.02	--	12	85.2
APR				
16...	<.02	81	525	19400
30...	<.02	91	21	177
MAY				
06...	<.02	84	35	441
20...	<.02	83	39	402
JUN				
03...	--	77	93	2360
18...	<.02	72	100	2520
JUL				
09...	<.02	--	9.0	43.3
23...	<.02	--	10	36.7
AUG				
06...	<.02	85	17	67.9
21...	<.02	--	11	39.5
SEP				
17...	<.02	--	4.0	18.0