462023120075200 DR2 AT YAKIMA VALLEY HIGHWAY, NEAR GRANGER, WA—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--February 2003 to September 2004 (discontinued).

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: June to September 2004 (discontinued).
pH: June to September 2004 (discontinued).
WATER TEMPERATURE: June to November 2003, June to September 2004 (discontinued).
DISSOLVED OXYGEN: June to September 2004 (discontinued).

INSTRUMENTATION.--Water-quality monitor with 60-minute recording interval.

REMARKS.--Specific conductance records good, except July 1-6, 11-15, 17-19, 23-25, Aug. 18-20, 31, and Sept. 1-5, 22, which are fair, and July 7-8, 20-22, 26-31, Aug. 1-7, 21-28, and Sept. 6-14, which are poor. pH records are excellent, except July 6-8 and Sept. 9-14, which are good. Temperature records are excellent. Dissolved oxygen records are poor.

EXTREMES FOR JUNE TO SEPTEMBER 2004.--
SPECIFIC CONDUCTANCE: Maximum recorded, 546 microsiemens, July 27, but may have been higher during periods of missing record; minimum recorded, 203 microsiemens, Sept. 21, but may have been lower during periods of missing record.
PH: Maximum recorded, 8.1, July 8, but may have been higher during periods of missing record; minimum recorded, 7.2, Sept. 22, 30, but may have been lower during periods of missing record.
WATER TEMPERATURE: Maximum, 22.1°C, Aug. 1; minimum recorded, 13.4°C, Sept. 21, but may have been lower during periods of missing record.
DISSOLVED OXYGEN: Maximum recorded, 9.2 mg/L, June 16, but may have been higher during periods of missing record; minimum recorded, 0.7 mg/L, Aug. 19-20, but may have been lower during periods of missing record.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	464	409	434	370	349	360	474	418	436
2	---	---	---	438	369	407	398	356	376	479	389	434
3	---	---	---	378	341	360	429	375	399	451	373	403
4	---	---	---	396	326	357	418	335	383	422	400	412
5	---	---	---	407	320	360	386	320	355	417	381	396
6	---	---	---	426	338	380	381	331	355	412	379	391
7	---	---	---	388	339	361	---	---	---	428	383	400
8	---	---	---	401	331	365	---	---	---	436	396	413
9	---	---	---	421	370	391	---	---	---	477	398	423
10	---	---	---	392	354	376	---	---	---	497	406	430
11	---	---	---	405	349	377	---	---	---	424	393	411
12	---	---	---	441	338	389	---	---	---	407	369	388
13	---	---	---	440	373	404	---	---	---	489	378	424
14	---	---	---	421	375	405	---	---	---	471	408	438
15	---	---	---	442	385	412	---	---	---	412	273	311
16	---	---	---	415	376	398	---	---	---	320	260	284
17	---	---	---	400	360	377	---	---	---	291	247	269
18	---	---	---	399	366	380	385	327	350	274	230	254
19	---	---	---	429	375	403	377	317	344	282	264	273
20	---	---	---	443	367	406	373	331	355	291	267	277
21	---	---	---	484	387	424	368	341	352	293	203	271
22	---	---	---	447	390	412	410	328	353	370	---	---
23	393	349	368	401	366	383	397	321	356	---	---	---
24	438	352	385	403	348	372	424	374	399	---	---	---
25	415	377	394	411	371	389	428	403	415	---	---	---
26	420	356	384	443	357	395	426	400	413	---	---	---
27	385	355	371	546	384	424	439	402	417	---	---	---
28	371	328	348	456	374	410	---	---	---	---	---	---
29	402	328	358	421	378	395	---	---	---	---	---	---
30	434	349	390	416	361	384	---	---	---	494	408	435
31	---	---	---	384	338	362	519	411	448	---	---	---
MONTH	---	---	---	546	320	390	---	---	---	---	---	---

462023120075200 DR2 AT YAKIMA VALLEY HIGHWAY NEAR GRANGER, WA—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	464	409	434	370	349	360	474	418	436
2	---	---	---	438	369	407	398	356	376	479	389	434
3	---	---	---	378	341	360	429	375	399	451	373	403
4	---	---	---	396	326	357	418	335	383	422	400	412
5	---	---	---	407	320	360	386	320	355	417	381	396
6	---	---	---	426	338	380	381	331	355	412	379	391
7	---	---	---	388	339	361	---	---	---	428	383	400
8	---	---	---	401	331	365	---	---	---	436	396	413
9	---	---	---	421	370	391	---	---	---	477	398	423
10	---	---	---	392	354	376	---	---	---	497	406	430
11	---	---	---	405	349	377	---	---	---	424	393	411
12	---	---	---	441	338	389	---	---	---	407	369	388
13	---	---	---	440	373	404	---	---	---	489	378	424
14	---	---	---	421	375	405	---	---	---	471	408	438
15	---	---	---	442	385	412	---	---	---	412	273	311
16	---	---	---	415	376	398	---	---	---	320	260	284
17	---	---	---	400	360	377	---	---	---	291	247	269
18	---	---	---	399	366	380	385	327	350	274	230	254
19	---	---	---	429	375	403	377	317	344	282	264	273
20	---	---	---	443	367	406	373	331	355	291	267	277
21	---	---	---	484	387	424	368	341	352	293	203	271
22	---	---	---	447	390	412	410	328	353	370	---	---
23	393	349	368	401	366	383	397	321	356	---	---	---
24	438	352	385	403	348	372	424	374	399	---	---	---
25	415	377	394	411	371	389	428	403	415	---	---	---
26	420	356	384	443	357	395	426	400	413	---	---	---
27	385	355	371	546	384	424	439	402	417	---	---	---
28	371	328	348	456	374	410	---	---	---	---	---	---
29	402	328	358	421	378	395	---	---	---	---	---	---
30	434	349	390	416	361	384	---	---	---	494	408	435
31	---	---	---	384	338	362	519	411	448	---	---	---
MONTH	---	---	---	546	320	390	---	---	---	---	---	---

462023120075200 DR2 AT YAKIMA VALLEY HIGHWAY NEAR GRANGER, WA—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	8.0	7.7	7.8	7.7	7.6	7.6	---	---	---
2	---	---	---	7.9	7.7	7.8	7.6	7.6	7.6	---	---	---
3	---	---	---	7.8	7.6	7.7	7.7	7.4	7.6	7.8	7.5	7.7
4	---	---	---	7.9	7.7	7.8	7.6	7.4	7.5	7.8	7.7	7.8
5	---	---	---	7.8	7.6	7.7	7.6	7.3	7.5	7.9	7.8	7.8
6	---	---	---	7.8	7.6	7.7	7.6	7.3	7.5	7.8	7.7	7.8
7	---	---	---	7.8	7.6	7.7	7.6	7.4	7.5	7.8	7.5	7.6
8	---	---	---	8.1	7.6	7.7	7.6	7.4	7.5	7.7	7.5	7.6
9	---	---	---	7.8	7.6	7.7	7.6	7.4	7.5	7.7	7.3	7.5
10	---	---	---	7.8	7.7	7.7	7.6	7.3	7.5	7.6	7.3	7.5
11	---	---	---	7.8	7.6	7.7	7.5	7.3	7.4	7.6	7.5	7.5
12	---	---	---	7.8	7.6	7.7	7.5	7.4	7.5	7.7	7.6	7.6
13	---	---	---	7.7	7.6	7.7	7.6	7.4	7.5	7.8	7.5	7.6
14	---	---	---	7.7	7.6	7.6	7.6	7.5	7.6	7.7	7.5	7.6
15	---	---	---	7.7	7.6	7.6	7.6	7.6	7.6	7.7	7.6	7.7
16	8.0	7.7	7.8	7.7	7.6	7.6	7.6	7.4	7.5	7.7	7.3	7.6
17	8.0	7.6	7.8	7.7	7.6	7.6	7.6	7.3	7.5	7.7	7.4	7.6
18	8.0	7.7	7.8	7.7	7.5	7.6	7.6	7.4	7.5	7.7	7.6	7.6
19	8.0	7.7	7.8	7.6	7.5	7.6	7.6	7.3	7.4	7.8	7.6	7.7
20	8.0	7.6	7.8	7.6	7.4	7.5	7.5	7.4	7.4	7.7	7.5	7.6
21	8.0	7.6	7.8	7.6	7.4	7.5	7.5	7.5	7.5	7.7	7.6	7.7
22	8.0	7.6	7.8	7.7	7.5	7.5	7.5	7.4	7.5	7.7	7.2	---
23	8.0	7.6	7.8	7.6	7.5	7.6	7.6	7.4	7.5	---	---	---
24	8.0	7.6	7.7	7.7	7.6	7.6	7.5	7.4	7.5	---	---	---
25	7.9	7.6	7.7	7.7	7.6	7.7	7.4	7.3	7.4	---	---	---
26	7.8	7.7	7.7	7.7	7.5	7.6	7.5	7.4	7.4	---	---	---
27	7.9	7.6	7.7	7.7	7.3	7.6	7.5	7.4	7.4	---	---	---
28	7.8	7.6	7.7	7.6	7.4	7.5	7.5	7.4	7.4	---	---	---
29	8.0	7.6	7.8	7.6	7.4	7.5	7.5	7.5	7.5	---	---	---
30	8.0	7.8	7.9	7.6	7.4	7.5	---	---	---	7.7	7.2	7.6
31	---	---	---	7.6	7.6	7.6	---	---	---	---	---	---
MONTH	---	---	---	8.1	7.3	7.6	---	---	---	---	---	---

462023120075200 DR2 AT YAKIMA VALLEY HIGHWAY NEAR GRANGER, WA—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	20.7	16.6	18.5	22.1	18.1	20.0	18.8	17.2	18.0
2	---	---	---	20.4	16.1	18.3	21.3	18.4	19.8	18.0	16.1	17.0
3	---	---	---	21.5	16.9	18.9	21.7	18.1	19.6	17.9	15.6	16.6
4	---	---	---	20.8	16.3	18.4	21.2	17.7	19.4	17.8	15.3	16.5
5	---	---	---	20.6	16.4	18.4	20.6	18.7	19.5	17.9	14.9	16.3
6	---	---	---	20.4	17.0	18.6	19.4	17.8	18.5	17.9	14.6	16.1
7	---	---	---	20.0	16.3	17.9	19.4	16.6	18.0	18.1	14.6	16.3
8	---	---	---	19.6	14.7	17.1	19.7	16.4	18.0	18.4	15.0	16.5
9	---	---	---	19.5	14.8	17.0	20.4	17.0	18.6	17.6	15.7	16.5
10	---	---	---	19.0	15.0	16.9	20.8	17.4	19.0	18.0	14.7	16.2
11	---	---	---	19.6	14.9	17.1	21.2	17.9	19.5	17.8	16.4	16.9
12	---	---	---	19.8	15.2	17.4	21.4	18.0	19.7	17.9	15.8	16.6
13	---	---	---	20.6	16.3	18.3	21.0	18.1	19.6	16.9	15.2	15.9
14	---	---	---	21.4	16.9	19.1	19.8	18.3	19.1	16.9	14.5	15.6
15	17.5	---	---	21.4	17.5	19.3	20.8	17.9	19.3	16.8	14.9	15.7
16	17.7	14.0	15.8	22.0	17.0	19.4	21.0	17.9	19.4	16.6	14.3	15.3
17	18.2	14.5	16.3	21.2	17.8	19.6	20.8	18.4	19.7	16.2	14.9	15.4
18	18.3	15.5	16.7	21.2	18.6	20.0	20.8	18.4	19.7	16.0	14.2	14.9
19	18.4	15.4	16.8	20.9	18.1	19.3	21.1	18.5	19.7	15.7	13.9	14.7
20	19.1	15.4	17.1	21.1	17.0	18.9	21.5	18.5	19.7	15.8	14.0	14.7
21	18.9	15.2	17.1	20.8	16.5	18.6	20.8	18.3	19.5	16.2	13.4	14.5
22	19.2	15.9	17.5	21.1	16.6	18.8	19.7	18.3	19.1	16.4	13.6	14.8
23	20.5	16.8	18.5	21.5	17.0	19.1	19.0	16.7	17.9	---	---	---
24	20.5	17.4	18.9	21.2	17.7	19.4	17.9	16.9	17.4	---	---	---
25	21.1	17.3	19.2	21.5	18.0	19.6	18.3	16.7	17.3	---	---	---
26	20.8	17.1	18.9	21.4	17.5	19.2	18.6	16.0	17.2	---	---	---
27	21.4	16.6	18.8	20.8	17.3	18.9	18.7	16.1	17.3	---	---	---
28	21.2	16.6	18.9	20.9	17.2	19.0	18.9	16.2	17.6	---	---	---
29	20.5	17.1	18.8	21.4	17.5	19.4	19.3	16.6	17.8	16.7	---	---
30	19.8	17.8	18.6	21.8	18.1	19.8	19.5	16.4	17.9	16.5	14.9	15.5
31	---	---	---	21.8	18.0	19.9	19.8	17.0	18.3	---	---	---
MONTH	---	---	---	22.0	14.7	18.7	22.1	16.0	18.8	---	---	---

462023120075200 DR2 AT YAKIMA VALLEY HIGHWAY NEAR GRANGER, WA—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	7.3	5.1	6.4	---	---	---	6.0	3.4	4.8
2	---	---	---	7.5	5.6	6.6	---	---	---	6.3	3.5	5.0
3	---	---	---	7.2	5.6	6.5	---	---	---	6.7	3.7	5.1
4	---	---	---	7.7	6.5	7.1	---	---	---	6.5	5.4	6.2
5	---	---	---	7.7	6.7	7.1	5.9	2.5	4.5	7.0	5.4	6.4
6	---	---	---	---	---	---	6.2	1.9	4.8	6.9	3.9	5.8
7	---	---	---	---	---	---	6.5	4.3	5.9	6.8	2.6	5.1
8	---	---	---	---	---	---	6.6	4.5	6.1	---	---	---
9	---	---	---	8.1	6.5	7.3	6.9	3.7	5.6	---	---	---
10	---	---	---	8.2	6.8	7.4	6.6	2.7	4.9	---	---	---
11	---	---	---	8.1	6.4	7.3	6.2	2.2	4.5	---	---	---
12	---	---	---	7.8	6.0	7.1	6.3	4.8	5.5	---	---	---
13	---	---	---	7.6	6.0	6.8	6.5	3.1	5.0	---	---	---
14	---	---	---	7.5	5.5	6.6	6.3	5.0	5.9	---	---	---
15	---	---	---	7.2	5.3	6.2	6.8	5.9	6.3	6.3	5.0	5.9
16	9.2	7.1	8.1	6.6	5.1	5.9	6.8	3.9	5.4	6.7	3.6	5.4
17	8.9	7.0	7.9	6.6	5.4	6.0	6.4	3.1	4.9	6.1	4.5	5.5
18	9.0	7.0	7.9	6.4	5.0	5.8	6.4	3.3	4.9	6.5	5.2	6.1
19	9.2	6.9	7.9	5.9	5.3	5.6	6.3	0.7	4.3	7.2	5.3	6.6
20	9.0	6.5	7.6	6.6	4.0	5.4	5.8	0.7	4.0	7.2	5.6	6.5
21	8.9	6.2	7.5	6.6	3.4	5.3	5.9	4.8	5.5	7.6	6.0	6.8
22	8.8	6.3	7.3	---	---	---	6.3	2.7	5.6	---	---	---
23	8.8	6.1	7.3	---	---	---	7.2	4.7	6.0	---	---	---
24	8.3	5.7	6.8	---	---	---	---	---	---	---	---	---
25	7.9	5.6	6.7	---	---	---	---	---	---	---	---	---
26	7.7	5.9	6.7	---	---	---	---	---	---	---	---	---
27	7.9	5.8	6.8	---	---	---	---	---	---	---	---	---
28	7.7	5.8	6.6	---	---	---	---	---	---	---	---	---
29	7.6	5.3	6.5	---	---	---	---	---	---	---	---	---
30	7.1	5.7	6.3	---	---	---	6.9	3.6	5.4	7.5	4.2	5.8
31	---	---	---	---	---	---	6.1	3.1	4.8	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

462023120075200 DR2 AT YAKIMA VALLEY HIGHWAY NEAR GRANGER, WA—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Instantaneous discharge, cfs (00061)	UV absorbance, 254 nm, wat flt units /cm (50624)	SUVA, 254 nm, abs units/ mgC/L /meter (63162)	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, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Noncarb hardness, wat flt field, mg/L as CaCO3 (00904)
OCT													
02...	1615	--	--	--	--	--	--	--	442	--	--	180	--
15...	1530	4.7	.107	2.8	738	8.2	82	8.0	487	10.8	13.7	200	24
21...	0910	3.4	.047	2.2	746	7.9	80	8.0	666	18.2	14.8	270	29
28...	0900	3.2	.046	2.2	737	8.3	84	8.0	657	17.3	14.0	250	12
NOV													
04...	1000	2.5	.040	1.9	747	8.6	82	8.1	650	1.6	12.0	260	23
19...	1030	2.9	.052	1.8	736	8.1	80	8.1	649	8.0	13.2	260	28
DEC													
09...	1520	3.0	.043	1.3	743	8.4	80	8.1	650	4.1	12.0	260	28
JAN													
20...	1450	3.6	.155	3.1	752	8.4	79	8.1	702	7.7	11.7	280	31
FEB													
18...	1610	3.6	.159	3.1	743	8.6	81	8.1	708	10.6	11.7	280	36
MAR													
16...	1310	3.2	.041	2.1	745	10.6	107	8.4	667	22.5	14.8	260	32
30...	0800	4.0	.050	2.3	739	9.8	92	8.2	529	9.3	11.2	220	28
APR													
20...	1200	4.9	.081	2.3	740	9.8	97	8.2	484	13.8	13.2	180	20
27...	1210	4.7	.069	2.6	740	9.2	92	8.1	457	22.7	14.0	180	14
MAY													
04...	1250	4.9	.096	2.2	738	10.0	106	8.2	482	24.9	16.5	180	17
12...	1320	4.9	.091	2.8	745	8.6	85	8.0	429	21.1	13.6	170	14
18...	1150	6.6	.096	2.7	739	8.5	85	7.9	458	22.6	13.8	180	17
24...	1020	9.0	.093	2.9	744	9.1	92	7.9	352	18.2	14.4	140	10
JUN													
07...	1250	7.2	.128	2.2	743	9.8	103	7.9	357	25.0	16.3	140	13
15...	1310	6.5	.092	2.6	750	9.2	96	8.1	376	25.2	16.9	140	30
22...	1110	6.5	.110	2.8	740	7.9	86	7.8	380	28.4	17.5	150	15
29...	1130	7.8	.014	1.6	741	7.3	81	7.8	340	25.2	18.9	130	10
JUL													
06...	1230	8.2	.107	3.1	741	7.8	87	7.9	374	33.0	19.0	140	12
13...	1350	7.9	.114	2.7	737	7.3	82	7.8	409	33.2	19.3	160	14
20...	1340	8.2	.168	.8	744	6.6	75	7.6	436	30.2	20.0	160	16
27...	1250	7.0	.125	1.1	742	5.9	66	7.6	443	30.5	19.4	170	22
AUG													
10...	1230	7.9	--	--	745	4.9	55	7.5	392	34.3	19.5	150	6
17...	1130	8.4	.114	.8	743	5.1	57	7.6	409	34.1	20.0	150	10
24...	1310	8.1	.145	.9	736	4.6	50	7.6	462	26.3	17.6	170	10
30...	1010	6.4	.113	2.9	742	6.8	72	7.8	434	24.8	16.9	170	16
SEP													
07...	1500	5.9	.107	.8	745	5.5	60	7.7	446	28.6	18.2	170	17
14...	1050	5.9	.110	2.8	742	7.0	72	7.7	462	23.7	15.2	170	15
21...	1210	4.9	.088	2.6	750	7.0	71	7.8	483	15.4	14.9	190	17

462023120075200 DR2 AT YAKIMA VALLEY HIGHWAY NEAR GRANGER, WA—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	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)
OCT													
02...	43.5	16.3	4.62	.8	25.4	23	--	--	--	10.2	.4	35.5	39.2
15...	48.0	18.6	6.23	1	30.7	25	173	210	.0	14.9	.4	38.1	47.4
21...	65.9	24.6	6.90	1	43.1	25	237	289	.0	16.5	.6	47.8	66.5
28...	61.4	23.3	6.14	1	40.7	26	237	289	.0	16.8	.6	45.7	68.1
NOV													
04...	62.9	23.9	6.11	1	41.0	25	234	283	.0	16.8	.6	46.2	67.0
19...	64.1	24.7	7.06	1	41.0	25	235	285	.0	17.4	.6	47.0	67.4
DEC													
09...	64.2	24.8	6.66	1	41.1	25	235	286	.0	17.2	.6	46.1	70.6
JAN													
20...	68.1	26.3	9.71	1	42.9	24	248	301	.0	21.0	.6	44.8	79.7
FEB													
18...	69.2	26.7	10.3	1	47.7	26	248	301	.0	21.5	.6	43.6	78.7
MAR													
16...	63.9	24.5	5.77	1	43.1	26	229	274	2	18.0	.6	43.7	67.6
30...	53.0	21.0	4.65	1	33.9	25	192	233	.0	14.4	.5	37.8	53.3
APR													
20...	45.0	16.9	4.94	.9	28.5	25	163	198	.0	13.4	.4	35.0	48.1
27...	44.5	16.6	4.43	.9	27.3	24	166	202	.0	11.2	.4	33.4	41.1
MAY													
04...	44.9	16.8	5.73	1	29.5	25	165	200	.0	11.6	.4	35.8	42.2
12...	41.4	15.7	4.71	.9	25.6	24	155	188	.0	10.6	.4	33.0	39.0
18...	44.1	17.1	5.06	.8	25.7	23	164	199	.0	11.2	.4	34.4	40.7
24...	33.8	12.3	4.14	.8	20.6	24	125	152	.0	8.83	.3	27.7	28.9
JUN													
07...	34.6	12.6	5.08	.8	21.4	24	126	153	.0	8.98	.3	28.9	30.5
15...	35.6	13.5	4.17	.8	21.8	24	115	140	.0	9.15	.3	30.7	34.9
22...	37.6	13.6	4.89	.8	23.6	25	136	165	.0	9.02	.3	30.6	32.2
29...	32.5	11.7	4.87	.8	20.3	25	120	145	.0	8.92	.3	25.4	26.4
JUL													
06...	34.7	12.6	5.51	.8	21.5	24	127	154	.0	8.82	.3	25.9	28.6
13...	39.7	14.4	5.27	.8	24.5	24	145	176	.0	9.86	.3	29.2	32.1
20...	40.6	14.4	6.29	.9	25.1	24	145	176	.0	12.3	.3	28.6	37.2
27...	43.3	15.9	6.03	.9	27.1	25	152	185	.0	12.7	.3	31.3	38.2
AUG													
10...	36.7	13.6	4.49	.8	23.1	25	142	173	.0	10.3	.3	27.1	32.6
17...	38.4	14.1	4.85	.8	23.0	24	145	176	.0	12.3	.3	28.4	32.9
24...	43.0	15.9	6.73	1	28.8	26	164	199	.0	12.7	.4	32.2	39.9
30...	42.3	15.8	5.20	.9	26.0	24	156	189	.0	9.48	.4	33.8	36.0
SEP													
07...	42.5	15.9	5.71	.9	26.8	25	155	188	.0	12.3	.4	33.3	38.9
14...	42.4	16.6	5.71	.9	27.2	25	160	194	.0	10.8	.4	35.4	41.1
21...	48.5	17.5	5.44	1	31.5	26	177	215	.0	12.3	.5	38.0	44.6

462023120075200 DR2 AT YAKIMA VALLEY HIGHWAY NEAR GRANGER, WA—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Residue water, fltrd, sum of consti-tuents mg/L (70301)	Residue water, fltrd, tons/ acre-ft (70303)	Residue water, fltrd, tons/d (70302)	Residue on evap. at 180degC wat flt mg/L (70300)	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)	Partic-ulate nitro-gen, susp, water, mg/L (49570)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, unfltrd mg/L (00665)	Total nitro-gen, wat unf by anal ysis, mg/L (62855)	Total nitro-gen, water, unfltrd mg/L (00600)
OCT													
02...	--	--	--	282	.53	E.02	2.70	.010	--	.097	.22	3.27	3.2
15...	322	.43	4.01	316	.67	<.04	3.22	.013	.23	.104	.26	3.63	3.9
21...	436	.58	3.93	428	.56	E.04	4.89	.019	.26	.088	.23	5.51	5.5
28...	428	.60	3.79	439	.55	.04	5.14	.017	.16	.092	.23	5.58	5.7
NOV													
04...	426	.59	2.92	433	.61	E.03	5.06	.013	.36	.082	.27	5.81	5.7
19...	433	.60	3.43	438	.57	E.03	5.33	.017	.17	.100	.22	5.60	5.9
DEC													
09...	436	.59	3.51	434	.62	E.04	5.37	.014	.18	.086	.24	5.77	6.0
JAN													
20...	467	.67	4.75	489	1.0	E.04	5.74	.016	.25	.165	.35	6.26	6.8
FEB													
18...	474	.65	4.66	480	--	E.03	6.18	.012	.20	.143	.30	7.27	--
MAR													
16...	431	.60	3.78	438	--	<.04	6.05	.011	.06	.087	.122	6.18	--
30...	353	.48	3.80	352	--	<.04	4.40	E.007	.04	.063	.115	4.48	--
APR													
20...	304	.42	4.12	311	--	.16	3.18	.011	.11	.056	.29	4.19	--
27...	292	.40	3.76	296	--	<.04	3.03	.008	.10	.065	.28	3.73	--
MAY													
04...	301	.41	3.97	300	--	<.04	3.36	.011	.08	.163	.33	3.86	--
12...	276	.39	3.78	286	--	E.02	2.95	.012	.16	.163	.37	3.42	--
18...	292	.41	5.40	303	--	E.02	3.44	.011	.15	.147	.29	4.60	--
24...	224	.31	5.52	227	--	E.03	2.65	.014	.20	.108	.35	3.08	--
JUN													
07...	228	.27	3.83	197	--	<.04	2.20	.029	.06	.204	.30	3.24	--
15...	230	.33	4.27	243	--	<.04	2.40	.012	.05	.084	.188	2.68	--
22...	246	.35	4.51	257	--	<.04	2.77	.014	.10	.148	.22	3.14	--
29...	214	.30	4.64	220	--	.04	2.60	.028	.11	.283	.31	2.67	--
JUL													
06...	232	.33	5.40	244	--	E.03	3.88	.027	.15	.218	.34	4.25	--
13...	262	.36	5.67	266	--	.04	4.31	.025	.15	.191	.33	4.65	--
20...	270	.40	6.46	292	--	.08	4.00	.053	.19	.252	.40	4.96	--
27...	285	.38	5.35	283	--	<.04	4.17	.059	.23	.212	.42	5.19	--
AUG													
10...	245	.35	5.50	258	--	<.04	2.63	.132	<.02	.077	.31	3.06	--
17...	251	.35	5.75	254	--	<.04	2.07	.051	.23	.135	.44	3.50	--
24...	290	.41	6.61	302	--	<.04	2.69	.119	.15	.187	E.35	4.18	--
30...	278	.38	4.85	281	--	.10	3.39	.026	.15	.148	.33	3.96	--
SEP													
07...	277	.39	4.53	285	--	<.04	1.72	.108	.16	.153	.36	3.01	--
14...	290	.40	4.70	295	--	.07	3.30	.021	.26	.174	.34	3.90	--
21...	320	.43	4.20	318	--	.04	3.41	.028	.17	.092	.33	4.14	--

462023120075200 DR2 AT YAKIMA VALLEY HIGHWAY NEAR GRANGER, WA—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Total carbon, suspnd sedimnt total, mg/L (00694)	Inor-ganic carbon, suspnd sedimnt total, mg/L (00688)	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)	Iron, water, fltrd, ug/L (01046)	Mangan-ese, water, fltrd, ug/L (01056)	1-Naph-thol, water, fltrd 0.7u GF ug/L (49295)	2,6-Di-ethyl-aniline water fltrd 0.7u GF ug/L (82660)	2-[(2-Et-6-Me-Ph)--amino] propan-1-ol, ug/L (61615)	2-[(2-Ethyl-6methyl phenyl) amino]2 oxoESA ug/L (62850)	2Chloro-2,6'-' diethyl acet-anilide wat flt ug/L (61618)	CIAT, water, fltrd, ug/L (04040)	2-Ethyl-6-methyl-aniline water, fltrd, ug/L (61620)
OCT													
02...	--	--	--	--	41	65.0	--	--	--	--	--	--	--
15...	2.2	<.1	2.2	3.8	43	94.9	<.09	<.006	<.1	--	<.005	E.008	<.004
21...	2.5	<.1	2.5	2.2	14	151	<.09	<.006	<.1	--	<.005	E.012	<.004
28...	1.6	<.1	1.6	2.1	10	127	<.09	<.006	<.1	--	<.005	E.012	<.004
NOV													
04...	1.4	<.1	1.4	2.1	13	137	<.09	<.006	<.1	--	<.005	E.005	<.004
19...	1.7	<.1	1.7	2.9	18	108	<.09	<.006	<.1	--	<.005	<.006	<.004
DEC													
09...	1.7	<.1	1.6	3.4	13	96.2	<.09	<.006	<.1	<.02	<.005	<.006	<.004
JAN													
20...	2.3	<.1	2.3	5.0	48	124	<.09	<.006	<.1	<.02	<.005	E.011	<.004
FEB													
18...	1.9	<.1	1.9	5.1	48	95.8	<.09	<.006	<.1	<.02	<.005	E.013	<.004
MAR													
16...	.6	<.1	.5	2.0	10	70.7	<.09	<.006	--	<.02	<.005	E.009	<.004
30...	.4	<.1	.4	2.2	10	64.3	<.09	<.006	--	<.02	<.005	E.005	<.004
APR													
20...	1.1	<.1	1.0	3.5	24	68.8	M	<.006	--	<.02	<.005	E.006	<.004
27...	.9	<.1	.9	2.7	22	56.9	<.09	<.006	--	<.02	<.005	E.004	<.004
MAY													
04...	.7	<.1	.7	4.4	24	51.4	<.09	<.006	--	<.02	<.005	E.006	<.004
12...	1.5	<.1	1.5	3.2	21	44.1	<.09	<.006	--	--	<.005	E.006	<.004
18...	1.2	<.1	1.2	3.6	28	49.4	<.09	<.006	--	<.02	<.005	E.011	<.004
24...	2.0	<.1	2.0	3.2	20	47.4	<.09	<.006	--	<.02	<.005	E.015	<.004
JUN													
07...	.5	<.1	.5	5.7	39	39.6	<.09	<.006	--	<.02	<.005	E.014	<.004
15...	.8	<.1	.8	3.6	29	35.2	<.09	<.006	--	<.02	<.005	E.009	<.004
22...	.7	<.1	.6	3.9	30	31.6	<.09	<.006	--	<.02	<.005	E.005	<.004
29...	1.0	<.1	1.0	.9	30	32.8	<.09	<.006	--	<.02	<.005	E.010	<.004
JUL													
06...	1.2	<.1	1.2	3.5	19	28.2	<.09	<.006	--	<.02	<.005	E.029	<.004
13...	1.2	<.1	1.2	4.2	19	35.3	<.09	<.006	--	<.02	<.005	E.019	<.004
20...	1.5	<.1	1.5	20.9	75	153	E.04	<.006	--	<.02	<.005	E.022	<.004
27...	2.3	<.1	2.3	11.9	53	102	M	<.006	--	<.02	<.005	E.025	<.004
AUG													
10...	.4	<.1	.4	5.8	46	108	M	<.006	--	<.02	<.005	E.018	<.004
17...	2.1	<.1	2.1	15.1	72	111	E.01	<.006	--	<.02	<.005	E.017	<.004
24...	1.3	<.1	1.3	16.0	86	90.8	E.04	<.006	--	<.02	<.005	E.014	<.004
30...	1.4	<.1	1.4	3.9	42	73.7	<.09	<.006	--	<.02	<.005	E.010	<.004
SEP													
07...	1.5	<.1	1.5	13.9	93	137	<.09	<.006	--	<.02	<.005	E.007	<.004
14...	2.2	<.1	2.2	3.9	42	103	<.09	<.006	--	<.02	<.005	E.011	<.004
21...	1.8	<.1	1.8	3.4	42	116	M	<.006	--	<.02	<.005	E.009	<.004

462023120075200 DR2 AT YAKIMA VALLEY HIGHWAY NEAR GRANGER, WA—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	3,4-Di-chloro-aniline water fltrd, ug/L (61625)	4Chloro 2methyl phenol, water, fltrd, ug/L (61633)	Aceto-chlor ESA, water, fltrd 0.7u GF ug/L (61029)	Aceto-chlor OA, water, fltrd 0.7u GF ug/L (61030)	Aceto-chlor SAA, water, fltrd, ug/L (62847)	Aceto-chlor, water, fltrd, ug/L (49260)	Ala-chlor ESA SA, water, fltrd, ug/L (62849)	Ala-chlor ESA, water, fltrd 0.7u GF ug/L (50009)	Ala-chlor OA, water, fltrd 0.7u GF ug/L (61031)	Ala-chlor SAA, water, fltrd, ug/L (62848)	Ala-chlor, water, fltrd, ug/L (46342)	alpha-HCH-d6, surrog, Sch2003 wat flt percent recovry (99995)	Atra-zine, water, fltrd, ug/L (39632)
OCT													
02...	--	--	--	--	--	--	--	--	--	--	--	--	--
15...	<.004	<.006	<.05	<.05	--	<.006	--	.06	<.05	--	<.005	90.0	.012
21...	<.004	<.006	<.05	<.05	--	<.006	--	.12	<.05	--	<.005	84.4	.016
28...	<.004	<.006	<.02	<.02	<.02	<.006	<.02	.11	<.02	<.02	<.005	85.9	.015
NOV													
04...	<.004	<.006	<.02	<.02	<.02	<.006	<.02	.15	.02	<.02	<.005	94.5	.014
19...	<.004	<.006	<.02	<.02	<.02	<.006	<.02	.13	<.02	<.02	<.005	86.4	.012
DEC													
09...	<.004	<.006	<.02	<.02	<.02	<.006	<.02	.13	<.02	<.02	<.005	89.9	.012
JAN													
20...	<.004	<.006	<.02	<.02	<.02	<.006	<.02	.14	<.02	<.02	<.005	89.5	.015
FEB													
18...	<.004	<.006	<.02	<.02	<.02	<.006	<.02	.16	<.02	<.02	<.005	85.5	.016
MAR													
16...	<.004	<.006	<.02	<.02	<.02	<.006	<.02	.12	.03	<.02	<.005	73.3	.012
30...	<.004	<.006	<.02	<.02	<.02	<.006	<.02	.08	<.02	<.02	<.005	84.9	.011
APR													
20...	E.004	<.006	<.02	<.02	<.02	<.006	<.02	.08	<.02	<.02	<.005	86.2	.011
27...	<.004	<.006	<.02	<.02	<.02	.019	<.02	.05	<.02	<.02	<.005	88.0	.013
MAY													
04...	E.003	<.006	<.02	<.02	<.02	.009	<.02	.05	<.02	<.02	<.005	84.6	.047
12...	<.004	<.006	<.02	<.02	<.02	<.006	<.02	.10	<.02	<.02	.006	72.5	.022
18...	.007	<.006	<.02	<.02	<.02	.009	<.02	.10	<.02	<.02	<.005	90.5	.147
24...	E.004	<.006	<.02	<.02	<.02	E.005	<.02	.07	<.02	<.02	.108	88.5	.330
JUN													
07...	<.004	<.006	<.02	.02	<.02	.013	<.02	.07	.03	<.02	.080	93.5	.027
15...	<.004	<.006	<.02	<.02	<.02	<.006	<.02	.08	.02	<.02	.006	96.9	.015
22...	<.004	<.006	<.02	<.02	<.02	<.006	<.02	.08	.02	<.02	E.004	96.0	.010
29...	<.004	<.006	<.02	<.02	<.02	.008	<.02	.07	.02	<.02	.008	85.3	.033
JUL													
06...	.006	<.006	<.02	<.02	<.02	.009	<.02	.16	.05	<.02	.007	90.2	.088
13...	<.004	<.006	<.02	<.02	<.02	<.006	.03	.26	.09	<.02	E.005	97.2	.036
20...	<.004	<.006	<.02	<.02	<.02	<.008	<.02	.06	<.02	<.02	<.007	94.3	.041
27...	<.004	<.006	<.02	<.02	<.02	.008	<.02	.17	.06	<.02	.007	87.2	.032
AUG													
10...	<.004	<.006	<.02	<.02	<.02	.006	<.02	.13	.03	<.02	<.005	85.2	.024
17...	<.004	<.006	<.02	<.02	<.02	<.006	<.02	.16	<.02	<.02	<.005	82.8	.022
24...	<.004	<.006	<.02	<.02	<.02	<.006	.02	.24	.04	<.02	<.005	78.8	.019
30...	<.004	<.006	<.02	<.02	<.02	<.006	.03	.09	.03	<.02	<.005	84.1	.013
SEP													
07...	<.004	<.006	<.02	<.02	<.02	<.006	<.02	.09	.02	<.02	<.005	87.2	.010
14...	<.004	<.006	.04	<.02	<.02	<.007	<.02	.05	<.02	<.02	<.005	78.0	.011
21...	<.004	<.006	<.02	<.02	<.02	<.006	<.02	.08	<.02	<.02	<.005	85.1	.012

462023120075200 DR2 AT YAKIMA VALLEY HIGHWAY NEAR GRANGER, WA—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Azinphosmethyl oxon, water, fltrd, ug/L (61635)	Azinphosmethyl, water, fltrd 0.7u GF ug/L (82686)	Benfluralin, water, fltrd 0.7u GF ug/L (82673)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Chlorpyrifos oxon, water, fltrd, ug/L (61636)	Chlorpyrifos water, fltrd, ug/L (38933)	cis-Permethrin water fltrd 0.7u GF ug/L (82687)	Cyfluthrin, water, fltrd, ug/L (61585)	Cypermethrin water, fltrd, ug/L (61586)	DCPA, water fltrd 0.7u GF ug/L (82682)	Desulfinyl fipronil, water, fltrd, ug/L (62170)	Diazinon oxon, water, fltrd, ug/L (61638)	Diazinon, water, fltrd, ug/L (39572)
OCT													
02...	--	--	--	--	--	--	--	--	--	--	--	--	--
15...	<.03	<.050	<.010	E.023	<.06	<.005	<.006	<.008	<.009	<.003	<.012	<.01	<.005
21...	<.03	<.050	<.010	<.041	<.06	<.005	<.006	<.008	<.009	<.003	<.012	<.01	<.005
28...	<.03	<.050	<.010	<.041	<.06	<.005	<.006	<.008	<.009	<.003	<.012	<.01	<.005
NOV													
04...	<.03	<.050	<.010	<.041	<.06	<.005	<.006	<.008	<.009	<.003	<.012	<.01	<.005
19...	<.02	<.050	<.010	<.041	<.06	<.005	<.006	<.008	<.009	<.003	<.012	<.01	<.005
DEC													
09...	<.02	<.050	<.010	<.041	<.06	<.005	<.006	<.008	<.009	<.003	<.012	<.01	<.005
JAN													
20...	<.03	<.050	<.010	<.041	<.06	<.005	<.006	<.008	<.009	<.003	<.012	<.01	<.005
FEB													
18...	<.02	<.050	<.010	<.041	<.06	<.005	<.006	<.008	<.009	<.003	<.012	<.01	<.005
MAR													
16...	<.02	<.050	<.010	<.041	<.06	E.003	<.006	<.008	<.009	<.003	<.012	<.01	<.005
30...	<.02	<.050	<.010	E.003	<.06	.017	<.006	<.008	<.009	E.002	<.012	<.01	<.005
APR													
20...	<.02	<.050	<.010	E.017	<.06	E.003	<.006	<.008	<.009	E.001	<.012	<.01	<.005
27...	<.02	<.050	<.010	E.004	<.06	<.005	<.006	<.008	<.009	<.003	<.012	<.01	<.005
MAY													
04...	<.02	<.050	<.010	E.008	<.06	<.005	<.006	<.008	<.009	<.003	<.012	<.01	<.005
12...	<.02	E.021	<.010	E.009	<.06	<.005	<.006	<.008	<.009	<.003	<.012	<.01	<.005
18...	<.02	E.014	<.010	E.008	<.06	<.005	<.006	<.008	<.009	.004	<.012	<.01	<.005
24...	<.02	E.012	<.010	E.006	<.06	E.001	<.006	<.008	<.009	<.003	<.012	<.01	<.005
JUN													
07...	--	E.007	<.010	E.015	<.06	<.005	<.006	<.008	<.009	.004	<.012	<.01	<.005
15...	<.02	E.012	<.010	<.041	<.06	<.005	<.006	<.008	<.009	<.003	<.012	<.01	<.005
22...	<.02	E.018	<.010	E.005	<.06	<.005	<.006	<.008	<.009	<.003	<.012	<.01	<.005
29...	<.02	E.011	<.010	E.001	<.06	<.005	<.006	<.008	<.009	<.003	<.012	<.01	<.005
JUL													
06...	<.07	E.008	<.010	E.007	<.06	<.005	<.006	<.008	<.009	<.003	<.012	<.01	<.005
13...	<.07	E.021	<.010	E.006	<.06	<.005	<.006	<.008	<.009	<.003	<.012	<.01	<.005
20...	<.07	E.035	<.010	E.471	<.06	<.005	<.006	<.008	<.009	<.003	<.012	<.01	<.005
27...	<.07	E.044	<.010	E.018	<.06	<.005	<.006	<.008	<.009	<.003	<.012	<.01	<.005
AUG													
10...	<.07	E.015	<.010	E.038	<.06	<.005	<.006	<.008	<.009	<.003	<.012	<.01	<.005
17...	<.07	E.011	<.010	E.093	<.06	<.005	<.006	<.008	<.009	<.003	<.012	<.01	<.005
24...	<.07	E.010	<.010	E.284	<.06	<.005	<.006	<.008	<.009	<.003	<.012	<.01	<.005
30...	<.07	<.050	<.010	E.018	<.06	<.005	<.006	<.008	<.009	<.003	<.012	<.01	<.005
SEP													
07...	<.07	<.050	<.010	E.039	<.06	<.005	<.006	<.008	<.009	<.003	<.012	<.01	<.005
14...	<.07	<.050	<.010	E.009	<.06	<.005	<.006	<.008	<.009	.003	<.012	<.01	<.005
21...	<.07	<.050	<.010	E.021	<.06	<.005	<.006	<.008	<.009	<.003	<.012	<.01	<.005

462023120075200 DR2 AT YAKIMA VALLEY HIGHWAY NEAR GRANGER, WA—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Diazinon-d10 surrog, Sch2003 wat flt percent recovry (99994)	Dicrotophos, water fltrd, ug/L (38454)	Dieldrin, water, fltrd, ug/L (39381)	Dimethenamid ESA, water, fltrd, ug/L (61951)	Dimethenamid OA, water, fltrd, ug/L (62482)	Dimethenamid water, fltrd, ug/L (61588)	Dimethoate, water, fltrd 0.7u GF ug/L (82662)	Ethion monoxon water, fltrd, ug/L (61644)	Ethion, water, fltrd, ug/L (82346)	Fenamiphos sulfone water, fltrd, ug/L (61645)	Fenamiphos sulfoxide, water, fltrd, ug/L (61646)	Fenamiphos, water, fltrd, ug/L (61591)	Desulfinylfipronil amide, wat flt ug/L (62169)
OCT													
02...	--	--	--	--	--	--	--	--	--	--	--	--	--
15...	102	<.08	<.009	<.05	<.05	--	<.006	<.03	<.004	<.008	<.03	<.03	<.029
21...	101	<.08	<.009	<.05	<.05	--	<.006	<.03	<.004	<.008	<.03	<.03	<.029
28...	97.2	<.08	<.009	<.02	<.02	<.02	<.006	<.03	<.004	<.008	<.03	<.03	<.029
NOV													
04...	94.5	<.08	<.009	<.02	<.02	<.02	<.006	<.03	<.004	<.008	<.03	<.03	<.029
19...	94.4	<.08	<.009	<.02	<.02	<.02	<.006	<.03	<.004	<.008	<.03	<.03	<.029
DEC													
09...	89.4	<.08	<.009	<.02	<.02	<.02	<.006	<.03	<.004	<.008	<.03	<.03	<.029
JAN													
20...	99.1	<.08	<.009	<.02	<.02	<.02	<.006	<.03	<.004	<.008	<.03	<.03	<.029
FEB													
18...	95.5	<.08	<.009	<.02	<.02	<.02	<.006	<.03	<.004	<.008	<.03	<.03	<.029
MAR													
16...	81.0	<.08	<.009	<.02	<.02	<.02	<.006	<.03	<.004	<.008	<.03	<.03	<.029
30...	96.4	<.08	<.009	<.02	<.02	<.02	<.006	<.03	<.004	<.008	<.03	<.03	<.029
APR													
20...	93.6	<.08	<.009	<.02	<.02	<.02	<.006	<.03	<.004	<.008	<.03	<.03	<.029
27...	87.6	<.08	<.009	<.02	<.02	<.02	<.006	<.03	<.004	<.008	<.03	<.03	<.029
MAY													
04...	93.6	<.08	<.009	<.02	<.02	<.02	<.006	<.03	<.004	<.008	<.03	<.03	<.029
12...	61.7	<.08	<.009	<.02	<.02	<.02	<.006	<.03	<.004	<.008	--	<.03	<.029
18...	90.6	<.08	<.009	<.02	<.02	<.02	<.006	<.03	<.004	<.008	<.03	<.03	<.029
24...	95.3	<.08	<.009	<.02	<.02	<.02	<.006	<.03	<.004	<.008	<.03	<.03	<.029
JUN													
07...	109	<.08	<.009	<.02	<.02	<.02	<.006	<.03	<.004	<.008	<.03	<.03	<.029
15...	96.0	<.08	<.009	<.02	<.02	<.02	<.006	<.03	<.004	<.008	<.03	<.03	<.029
22...	98.1	<.08	<.009	<.02	<.02	<.02	<.006	<.03	<.004	<.008	<.03	<.03	<.029
29...	84.0	<.08	<.009	<.02	<.02	<.02	<.006	<.03	<.004	<.008	<.03	<.03	<.029
JUL													
06...	92.9	<.08	E.003	<.02	<.02	<.02	<.006	<.0020	<.004	<.049	<.04	<.03	<.029
13...	106	<.08	<.009	<.02	<.02	<.02	<.006	<.0020	<.004	<.049	<.04	<.03	<.029
20...	123	<.08	<.009	<.02	<.02	<.02	<.006	<.0020	<.004	<.049	<.04	<.03	<.029
27...	100	<.08	M	<.02	<.02	<.02	<.006	<.0020	<.004	<.049	<.04	<.03	<.029
AUG													
10...	88.4	<.08	<.009	<.02	<.02	<.02	<.006	<.0020	<.004	<.049	<.04	<.03	<.029
17...	87.9	<.08	<.009	<.02	<.02	<.02	<.006	<.0020	<.004	<.049	<.04	<.03	<.029
24...	88.0	<.08	<.009	<.02	<.02	<.02	<.006	<.0020	<.004	<.049	<.04	<.03	<.029
30...	89.3	<.08	<.009	<.02	<.02	<.02	<.006	<.0020	<.004	<.049	<.04	<.03	<.029
SEP													
07...	102	<.08	<.009	<.02	<.02	<.02	<.006	<.0020	<.004	<.049	<.04	<.03	<.029
14...	95.0	<.08	<.009	<.02	<.02	<.02	<.006	<.0020	<.004	<.049	<.04	<.03	<.029
21...	74.4	<.08	<.009	<.02	<.02	<.02	<.006	<.01	<.004	<.049	<.04	<.03	<.029

462023120075200 DR2 AT YAKIMA VALLEY HIGHWAY NEAR GRANGER, WA—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Fipronil sulfide water, fltrd, ug/L (62167)	Fipronil sulfone water, fltrd, ug/L (62168)	Fipronil, water, fltrd, ug/L (62166)	Flufenacet ESA, water, fltrd, ug/L (61952)	Flufenacet OA, water, fltrd, ug/L (62483)	Flufenacet, water, fltrd, ug/L (62481)	Fonofos oxon, water, fltrd, ug/L (61649)	Fonofos water, fltrd, ug/L (04095)	Hexazinone, water, fltrd, ug/L (04025)	Iprodione, water, fltrd, ug/L (61593)	Isofenphos, water, fltrd, ug/L (61594)	Malaoxon, water, fltrd, ug/L (61652)	Malathion, water, fltrd, ug/L (39532)
OCT													
02...	--	--	--	--	--	--	--	--	--	--	--	--	--
15...	<.013	<.024	<.016	<.05	<.05	--	<.002	<.003	<.013	<1	<.003	<.008	<.027
21...	<.013	<.024	<.016	<.05	<.05	--	<.002	<.003	<.013	<1	<.003	<.008	<.027
28...	<.013	<.024	<.016	<.02	<.02	<.02	<.002	<.003	<.013	<1	<.003	<.008	<.027
NOV													
04...	<.013	<.024	<.016	<.02	<.02	<.02	<.002	<.003	<.013	<1	<.003	<.008	<.027
19...	<.013	<.024	<.016	<.02	<.02	<.02	<.002	<.003	<.013	<1	<.003	<.008	<.027
DEC													
09...	<.013	<.024	<.016	<.02	<.02	<.02	<.002	<.003	<.013	<1	<.003	<.008	<.027
JAN													
20...	<.013	<.024	<.016	<.02	<.02	<.02	<.002	<.003	<.013	<1	<.003	<.008	<.027
FEB													
18...	<.013	<.024	<.016	<.02	<.02	<.02	<.002	<.003	<.013	<1	<.003	<.008	<.027
MAR													
16...	<.013	<.024	<.016	<.02	<.02	<.02	<.002	<.003	<.013	<1	<.003	<.008	<.027
30...	<.013	<.024	<.016	<.02	<.02	<.02	<.002	<.003	<.013	<1	<.003	<.008	<.027
APR													
20...	<.013	<.024	<.016	<.02	<.02	<.02	<.002	<.003	<.013	<1	<.003	<.008	<.027
27...	<.013	<.024	<.016	<.02	<.02	<.02	<.002	<.003	<.013	<1	<.003	<.008	<.027
MAY													
04...	<.013	<.024	<.016	<.02	<.02	<.02	<.003	<.003	<.013	<1	<.003	<.008	<.027
12...	<.013	<.024	<.016	<.02	<.02	<.02	<.002	<.003	<.013	<1	<.003	<.008	<.027
18...	<.013	<.024	<.016	<.02	<.02	<.02	<.002	<.003	<.013	<1	<.003	<.008	<.027
24...	<.013	<.024	<.016	<.02	<.02	<.02	<.002	<.003	<.013	<1	<.003	<.008	<.027
JUN													
07...	<.013	<.024	<.016	<.02	<.02	<.02	<.002	<.003	<.013	<1	<.003	<.008	<.027
15...	<.013	<.024	<.016	<.02	<.02	<.02	<.002	<.003	<.013	<1	<.003	<.008	E.008
22...	<.013	<.024	<.016	<.02	<.02	<.02	<.002	<.003	<.013	<1	<.003	<.008	.057
29...	<.013	<.024	<.016	<.02	<.02	<.02	<.002	<.003	<.013	<1	<.003	<.008	<.027
JUL													
06...	<.013	<.024	<.016	<.02	<.02	<.02	<.003	<.003	<.013	<.387	<.003	<.030	<.027
13...	<.013	<.024	<.016	<.02	<.02	<.02	<.003	<.003	<.013	<.387	<.003	<.030	<.027
20...	<.013	<.024	<.016	<.02	<.02	<.02	<.003	<.003	<.013	<.387	<.003	<.030	<.027
27...	<.013	<.024	<.016	<.02	<.02	<.02	<.003	<.003	<.013	<.387	<.003	<.030	E.022
AUG													
10...	<.013	<.024	<.016	<.02	<.02	<.02	<.003	<.003	<.013	<.387	<.003	<.030	<.027
17...	<.013	<.024	<.016	<.02	<.02	<.02	<.003	<.003	<.013	<.387	<.003	<.030	E.008
24...	<.013	<.024	<.016	<.02	<.02	<.02	<.003	<.003	<.013	<.387	<.003	<.030	E.006
30...	<.013	<.024	<.016	<.02	<.02	<.02	<.003	<.003	<.013	<.387	<.003	<.030	<.027
SEP													
07...	<.013	<.024	<.016	<.02	<.02	<.02	<.003	<.003	<.013	<.387	<.003	<.030	<.027
14...	<.013	<.024	<.016	<.02	<.02	<.02	<.003	<.003	<.013	<.387	<.003	<.030	<.027
21...	<.013	<.024	<.016	<.02	<.02	<.02	<.003	<.003	<.013	<.387	<.003	<.030	<.027

462023120075200 DR2 AT YAKIMA VALLEY HIGHWAY NEAR GRANGER, WA—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Metalaxyl, water, fltrd, ug/L (61596)	Methialthion water, fltrd, ug/L (61598)	Methyl paraoxon, water, fltrd, ug/L (61664)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	Metolachlor ESA, water, fltrd 0.7u GF ug/L (61043)	Metolachlor OA, water, fltrd 0.7u GF ug/L (61044)	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, water, fltrd, ug/L (82630)	Myclobutanil water, fltrd, ug/L (61599)	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)	Phorate oxon, water, fltrd, ug/L (61666)	Phorate water fltrd 0.7u GF ug/L (82664)	Phosmet oxon, water, fltrd, ug/L (61668)
OCT													
02...	--	--	--	--	--	--	--	--	--	--	--	--	--
15...	<.005	<.006	<.03	<.015	<.05	<.05	<.013	<.006	<.008	<.022	<.10	<.011	<.06
21...	<.005	<.006	<.03	<.015	<.05	<.05	<.013	<.006	<.008	<.022	<.10	<.011	<.06
28...	<.005	<.006	<.03	<.015	<.02	<.02	<.013	<.006	<.008	<.022	<.10	<.011	<.06
NOV													
04...	<.005	<.006	<.03	<.015	<.02	<.02	<.013	<.006	<.008	<.022	<.10	<.011	--
19...	<.005	<.006	<.03	<.015	<.02	<.02	<.013	<.006	<.008	<.022	<.10	<.011	--
DEC													
09...	<.005	<.006	<.03	<.015	<.02	<.02	<.013	<.006	<.008	<.022	<.10	<.011	--
JAN													
20...	<.005	<.006	<.03	<.015	<.02	<.02	<.013	<.006	<.008	<.022	<.10	<.011	<.06
FEB													
18...	<.005	<.006	<.03	<.015	<.02	<.02	<.013	<.006	<.008	<.022	<.10	<.011	<.06
MAR													
16...	<.005	<.006	<.03	<.015	<.02	<.02	<.013	<.006	<.008	<.022	<.10	<.011	--
30...	<.005	<.006	<.03	<.015	<.02	<.02	<.013	<.006	<.008	<.022	<.10	<.011	--
APR													
20...	<.005	E.006	<.03	<.015	<.02	<.02	<.013	.025	E.006	<.022	<.10	<.011	<.06
27...	<.005	E.005	<.03	<.015	<.02	<.02	<.013	<.006	<.008	<.022	<.10	<.011	<.06
MAY													
04...	<.005	E.004	<.03	<.015	<.02	<.02	<.013	<.006	E.005	<.022	<.10	<.011	--
12...	<.005	<.006	<.03	<.015	<.02	<.02	<.013	<.006	E.007	<.022	<.10	<.011	<.06
18...	<.005	<.006	<.03	<.015	<.02	<.02	<.013	.009	<.008	<.022	<.10	<.011	<.06
24...	<.005	<.006	<.03	<.015	<.02	<.02	E.002	<.006	E.004	<.022	<.10	<.011	--
JUN													
07...	<.005	<.006	<.03	<.015	<.02	<.02	<.013	<.006	E.007	<.022	<.10	<.011	--
15...	<.005	<.006	<.03	<.015	<.02	<.02	<.013	<.006	<.008	<.022	<.10	<.011	--
22...	<.005	<.006	<.03	<.015	<.02	<.02	<.013	<.006	<.008	<.022	<.10	<.011	<.06
29...	<.005	<.006	<.03	<.015	<.02	<.02	<.013	<.006	<.008	<.022	<.10	<.011	<.06
JUL													
06...	<.005	<.006	<.03	<.015	<.02	<.02	<.013	<.006	<.008	<.022	<.10	<.011	<.05
13...	<.005	<.006	<.03	<.015	<.02	<.02	<.013	<.006	<.008	<.022	<.10	<.011	<.05
20...	<.005	<.006	<.03	<.015	<.02	<.02	<.013	<.006	.030	<.022	<.10	<.011	<.05
27...	<.005	<.006	<.03	<.015	<.02	<.02	<.013	<.006	.008	<.022	<.10	<.011	<.05
AUG													
10...	<.005	<.006	<.03	<.015	<.02	<.02	<.013	<.006	.009	<.022	<.10	<.011	--
17...	<.005	<.006	<.03	<.015	<.02	<.02	<.013	<.006	E.006	<.022	<.10	<.011	<.05
24...	<.005	<.006	<.03	<.015	<.02	<.02	<.013	<.006	E.006	<.022	<.10	<.011	<.05
30...	<.005	<.006	<.03	<.015	<.02	<.02	<.013	<.006	<.008	<.022	<.10	<.011	<.05
SEP													
07...	<.005	<.006	<.03	<.015	<.02	<.02	<.013	<.006	<.008	<.022	<.10	<.011	<.05
14...	<.005	<.006	<.03	<.015	<.02	<.02	<.013	<.006	<.008	<.022	<.10	<.011	<.05
21...	<.005	<.006	<.03	<.015	<.02	<.02	<.013	<.006	<.008	<.022	<.10	<.011	<.05

462023120075200 DR2 AT YAKIMA VALLEY HIGHWAY NEAR GRANGER, WA—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Phosmet water, fltrd, ug/L (61601)	Prometon, water, fltrd, ug/L (04037)	Prometryn, water, fltrd, ug/L (04036)	Propyzamide, water, fltrd 0.7u GF ug/L (82676)	Propachlor ESA, water, fltrd 0.7u GF ug/L (62766)	Propachlor OA, water, fltrd 0.7u GF ug/L (62767)	Simazine, water, fltrd, ug/L (04035)	Tebuthiuron water fltrd 0.7u GF ug/L (82670)	Terbufos oxon sulfone water, fltrd, ug/L (61674)	Terbufos, water, fltrd 0.7u GF ug/L (82675)	Terbuthylazine, water, fltrd, ug/L (04022)	Trifluralin, water, fltrd 0.7u GF ug/L (82661)	Dichlorvos, water fltrd, ug/L (38775)
OCT													
02...	--	--	--	--	--	--	--	--	--	--	--	--	--
15...	<.008	<.01	<.005	<.004	--	--	E.004	<.02	<.07	<.02	<.01	<.009	<.01
21...	<.008	<.01	<.005	<.004	--	--	E.004	<.02	<.07	<.02	<.01	<.009	<.01
28...	<.008	<.01	<.005	<.004	<.05	<.02	E.004	<.02	<.07	<.02	<.01	<.009	<.01
NOV													
04...	<.008	<.01	<.005	<.004	<.05	<.02	E.003	<.02	<.07	<.02	<.01	<.009	<.01
19...	<.008	<.01	<.005	<.004	<.05	<.02	<.005	<.02	<.07	<.02	<.01	<.009	<.01
DEC													
09...	<.008	<.01	<.005	<.004	<.05	<.02	<.005	<.02	<.07	<.02	<.01	<.009	<.01
JAN													
20...	<.008	<.01	<.005	<.004	<.05	<.02	E.002	<.02	<.07	<.02	<.01	<.009	<.01
FEB													
18...	<.008	<.01	<.005	<.004	<.05	<.02	E.003	<.02	<.07	<.02	<.01	<.009	<.01
MAR													
16...	--	<.01	<.005	<.004	<.05	<.02	E.004	<.02	<.07	<.02	<.01	<.009	<.01
30...	--	<.01	<.005	<.004	<.05	<.02	.007	<.02	<.07	<.02	<.01	E.006	<.01
APR													
20...	<.008	<.01	<.005	<.004	<.05	<.02	.013	<.02	<.07	<.02	<.01	<.009	<.01
27...	<.008	<.01	<.005	<.004	<.05	<.02	E.002	<.02	<.07	<.02	<.01	<.009	<.01
MAY													
04...	<.008	<.01	<.005	<.004	<.05	<.02	.036	<.02	<.07	<.02	<.01	<.009	<.01
12...	<.008	<.01	<.005	<.004	<.05	<.02	.016	<.02	<.07	<.02	<.01	E.005	<.01
18...	<.008	<.01	<.005	<.004	<.05	<.02	.125	<.02	<.07	<.02	<.01	E.009	<.01
24...	<.008	<.01	<.005	<.004	<.05	<.02	.136	<.02	<.07	<.02	<.01	E.007	<.01
JUN													
07...	<.008	<.03	<.005	<.004	<.05	<.02	.012	<.02	<.07	<.02	<.01	E.004	<.01
15...	<.008	<.01	<.005	<.004	<.05	<.02	.006	<.02	<.07	<.02	<.01	E.004	<.01
22...	<.008	<.01	<.005	<.004	<.05	<.02	E.004	<.02	<.07	<.02	<.01	.010	<.01
29...	<.008	<.01	<.005	<.004	<.05	<.02	.027	<.02	<.07	<.02	<.01	E.004	<.01
JUL													
06...	<.008	<.01	<.005	<.004	<.05	<.02	.118	<.02	<.07	<.02	<.01	E.004	<.01
13...	<.008	<.01	<.005	<.004	<.05	<.02	.013	<.02	<.07	<.02	<.01	E.004	<.01
20...	<.008	<.03	<.005	<.004	<.05	<.02	.033	<.02	<.07	<.02	<.01	<.009	<.01
27...	<.008	<.01	<.005	<.004	<.05	<.02	.009	<.02	<.07	<.02	<.01	.010	<.01
AUG													
10...	--	<.01	<.005	<.004	<.05	<.02	.005	<.02	<.07	<.02	<.01	E.005	<.01
17...	<.008	<.01	<.005	<.004	<.05	<.02	E.004	<.02	<.07	<.02	<.01	<.009	<.01
24...	<.008	M	<.005	<.004	<.05	<.02	<.005	<.02	<.07	<.02	<.01	<.009	<.01
30...	<.008	<.01	<.005	<.004	<.05	<.02	E.003	<.02	<.07	<.02	<.01	<.009	<.01
SEP													
07...	<.008	<.03	<.005	<.004	<.05	<.02	<.005	<.02	<.07	<.02	<.01	<.009	<.01
14...	<.008	<.01	<.005	<.004	<.05	<.02	.007	<.02	<.07	<.02	<.01	E.006	<.01
21...	<.008	<.01	<.005	<.004	<.05	<.02	<.005	<.02	<.07	<.02	<.01	<.009	<.01

462023120075200 DR2 AT YAKIMA VALLEY HIGHWAY NEAR GRANGER, WA—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Suspnd. sedi-ment, sieve diametr percent <.063mm (70331)	Sus-pended sedi-ment concen-tration mg/L (80154)	Sus-pended sedi-ment dis-charge, tons/d (80155)
OCT			
02...	--	--	--
15...	82	122	1.5
21...	64	167	1.5
28...	91	172	1.5
NOV			
04...	72	182	1.2
19...	60	163	1.3
DEC			
09...	65	176	1.4
JAN			
20...	--	93	.90
FEB			
18...	--	90	.87
MAR			
16...	44	95	.82
30...	81	60	.65
APR			
20...	--	162	2.1
27...	--	183	2.3
MAY			
04...	--	124	1.6
12...	81	140	1.9
18...	73	126	2.2
24...	81	163	4.0
JUN			
07...	75	57	1.1
15...	--	52	.91
22...	--	36	.63
29...	--	70	1.5
JUL			
06...	--	57	1.3
13...	--	62	1.3
20...	--	64	1.4
27...	--	132	2.5
AUG			
10...	--	172	3.7
17...	--	211	4.8
24...	--	120	2.6
30...	--	121	2.1
SEP			
07...	--	110	1.8
14...	--	116	1.8
21...	--	141	1.9