TABLES

Table 1. Values of physical properties, indicator bacteria densities, and concentrations of inorganic constituents and nutrients

[ft^3/s, cubic feet per second; µS/cm, microsiemens per centimeter at 25 degrees Celsius; pH, in standard units; °C, degrees Celsius; mg/L, milligrams per liter; col/100 mL, colonies per 100 milliliters; *E. coli*, *Escherichia coli*; $Alk_{(it)}$, total acid neutralizing capacity, incremental titration; N, nitrogen; +, plus; P, phosphorus; µg/L, micrograms per liter; K, non-ideal count; --, no data; <, less than; >, greater than; E, estimated]

Date	Discharge (ft^3/s)	Specific conductance (µS/cm)	pH	Water temperature (°C)	Dissolved oxygen (mg/L)	Fecal coliform (col/100 mL)	Fecal streptococci (col/100 mL)	*E. coli* (col/100 mL)	Total hardness (mg/L)
South Dry Sac River at Farm Road 141 (site 1)									
11-22-99	1.7	483	7.6	12.7	7.5	400	K500	280	--
01-24-00	1.4	505	7.9	4.4	13.1	K8	K10	K19	230
02-28-00	3.9	511	8.0	8.8	12.5	36	K20	54	220
03-28-00	4.3	481	8.0	13.8	4.12	41	K21	K17	220
04-26-00	2.2	487	7.8	15.4	8.3	81	25	66	--
05-31-00	2.1	504	7.4	24.1	7.4	100	110	K64	--
07-05-00	9.6	531	7.7	24.0	10.8	K690	170	K380	220
08-29-00	1.5	531	7.4	23.4	5.9	K160	190	K350	--
10-10-00	2.4	--	7.8	--	--	160	120	130	240
11-01-00	2.1	496	7.6	18.7	6.0	120	170	130	--
12-18-00	3.0	287	7.9	1.1	14.1	K12	K25	K12	--
02-12-01	6.5	577	8.0	7.5	14.6	290	K20	K310	240
03-13-01	12	509	8.1	11.1	15.9	K11	K20	K20	--
04-24-01	2.2	526	7.7	15.5	10.6	66	K15	74	--
Little Sac River at Farm Road 141 (site 2)									
11-22-99	no flow	--	--	--	--	--	--	--	--
01-24-00	0.13	365	7.7	4.7	9.6	K<5	K35	K16	180
03-28-00	9.0	307	8.1	12.4	3.0	K11	52	K19	150
07-05-00	.07	451	7.6	29.0	8.1	K370	K>60	320	220
10-10-00	.07	365	7.5	11.9	7.7	62	160	52	180
02-12-01	13	303	8.2	5.4	14.7	K18	K30	K8	150

Table 1. Values of physical properties, indicator bacteria densities, and concentrations of inorganic constituents and nutrients—Continued

Date	Discharge (ft^3/s)	Specific conductance (µS/cm)	pH	Water temperature (°C)	Dissolved oxygen (mg/L)	Fecal coliform (col/100 mL)	Fecal streptococci (col/100 mL)	*E. coli* (col/100 mL)	Total hardness (mg/L)
Little Sac River at Ritter Spring (site 3)									
11-22-99	3.5	463	7.9	12.9	8.5	240	140	240	--
01-24-00	5.3	510	8.2	4.1	13.7	K4	K16	K47	230
03-28-00	17	418	8.3	15.6	4.4	K11	K10	K5	200
07-06-00	21	546	7.7	19.4	8.8	200	210	280	250
10-11-00	5.1	519	8.4	8.9	10.4	120	150	140	250
02-13-01	27	490	7.8	7.3	10.6	K800	K160	K830	220
Effluent from the Northwest Wastewater Treatment Plant (site 4)									
11-22-99	5.3	884	7.0	19.9	8.6	5,400	K300	3,200	--
01-24-00	7.0	1,200	7.8	13.9	9.4	3,100	800	3,600	220
02-28-00	6.5	1,380	7.7	15.7	9.6	4,100	K2,100	6,100	230
03-28-00	6.2	959	7.8	17.6	3.9	6,400	480	4,000	220
04-26-00	5.4	939	7.6	18.8	7.1	87	K3	100	--
05-31-00	6.5	915	7.4	23.9	8.3	K11	K5	K<2	--
07-05-00	7.1	819	7.6	24.1	9.5	K6	22	K10	220
08-29-00	7.0	1,470	7.4	26.9	7.9	K<1	K1	K<1	--
10-10-00	6.6	1,060	7.7	20.8	8.9	K<50	K<20	K200	210
11-01-00	5.7	2,120	7.7	23.4	6.3	K50	K<20	K50	--
12-18-00	6.6	1,870	7.1	13.2	9.2	820	K4,000	3,000	--
02-12-01	7.0	1,140	7.8	12.7	10.6	5,200	1,600	5,400	240
03-13-01	6.6	1,390	7.8	14.5	9.8	K10,100	K2,900	6,400	--
04-24-01	7.0	1,800	7.7	19.5	8.3	100	K160	100	--

Table 1. Values of physical properties, indicator bacteria densities, and concentrations of inorganic constituents and nutrients—Continued

Date	Discharge (ft^3/s)	Specific conductance (µS/cm)	pH	Water temperature (°C)	Dissolved oxygen (mg/L)	Fecal coliform (col/100 mL)	Fecal streptococci (col/100 mL)	*E. coli* (col/100 mL)	Total hardness (mg/L)
Little Sac River at Farm Road 125 (site 5)									
11-22-99	6.6	711	8.0	14.6	8.8	420	250	390	--
01-24-00	12	796	8.4	5.5	15.3	K88	K20	K67	220
02-28-00	18	779	8.1	12.5	13.7	350	K10	250	240
03-28-00	28	529	8.5	16.4	4.5	60	23	K50	210
04-26-00	9.4	649	8.3	17.0	10.6	70	K18	96	--
05-31-00	10	640	7.8	25.5	7.3	190	47	120	--
07-05-00	38	562	7.9	24.4	9.9	K340	84	280	230
08-29-00	10	796	7.6	24.7	6.9	190	100	110	--
10-10-00	9.6	818	8.0	11.9	11.3	77	64	70	230
11-01-00	9.7	1,090	7.8	20.1	5.3	430	140	300	--
12-18-00	12	1,280	7.3	2.6	14.5	92	K32	180	--
02-12-01	41	564	8.1	7.5	14.5	380	K10	270	210
03-13-01	63	511	8.1	11.4	13.6	88	K8	K50	--
04-24-01	19	851	8.0	17.6	9.4	60	K6	56	--
Little Sac River near Walnut Grove (site 6)									
11-03-99	6.2	736	8.1	8.1	5.4	180	K70	140	230
11-22-99	9.9	643	8.2	13.9	11.2	600	350	K715	--
12-02-99	7.2	578	7.4	7.7	14.3	120	K15	55	--
01-11-00	20	551	8.5	6.9	13.3	K18	K20	K80	240
01-24-00	17	629	8.5	3.3	15.5	K20	K15	K140	220
02-16-00	12	1,160	8.3	9.2	13.2	K13	20	K1	--
02-28-00	32	675	8.4	12.6	12.8	K34	K4	K32	230
03-22-00	31	579	7.9	11.2	10.9	48	32	26	--

Table 1. Values of physical properties, indicator bacteria densities, and concentrations of inorganic constituents and nutrients—Continued

Date	Discharge (ft^3/s)	Specific conductance (µS/cm)	pH	Water temperature (°C)	Dissolved oxygen (mg/L)	Fecal coliform (col/100 mL)	Fecal streptococci (col/100 mL)	*E. coli* (col/100 mL)	Total hardness (mg/L)
Little Sac River near Walnut Grove (site 6)—Continued									
03-28-00	29	489	8.7	15.9	4.4	K34	K9	34	200
04-11-00	22	593	8.0	14.5	8.4	100	32	47	--
04-26-00	17	603	8.2	17.7	7.4	67	K11	100	--
05-24-00	13	648	7.9	22.2	5.0	240	280	320	230
05-31-00	15	623	7.9	27.5	6.1	K91	47	K35	--
06-07-00	12	697	7.9	18.8	6.6	100	170	160	--
07-05-00	45	510	8.1	26.7	8.4	160	60	96	210
07-26-00	106	508	8.0	21.2	8.8	170	160	160	220
08-15-00	24	582	7.7	24.5	5.7	K130	130	K170	--
08-29-00	12	690	8.0	27.7	6.6	110	64	42	--
09-05-00	8.6	814	7.8	25.6	5.9	170	180	K38	--
10-10-00	10	912	8.2	11.8	11.8	63	66	44	240
10-12-00	11	1,110	7.9	11.3	8.0	140	44	110	--
11-01-00	14	1,210	8.0	19.8	5.3	190	76	250	--
11-29-00	9.2	880	8.3	6.0	15.4	K34	52	K14	220
12-12-00	8.7	805	8.2	1.2	18.6	K3	K4	K4	--
12-18-00	19	990	7.6	.5	16.4	K3	K8	K<2	--
01-17-01	38	740	8.3	3.9	13.3	32	K18	K15	250
02-06-01	5.6	619	8.0	7.7	16.7	K2	K13	K11	--
02-12-01	55	592	8.4	5.9	15.6	K20	K<10	K14	220
03-13-01	84	485	8.5	11.7	15.2	K13	K16	K<1	--
03-19-01	76	504	8.4	10.5	13.5	K13	K12	K8	--
04-17-01	37	583	8.1	14.0	8.8	K68	K12	K22	--
04-24-01	27	783	8.3	18.6	10.8	49	K6	K24	--

Table 1. Values of physical properties, indicator bacteria densities, and concentrations of inorganic constituents and nutrients—Continued

Date	Discharge (ft^3/s)	Specific conductance (µS/cm)	pH	Water temperature (°C)	Dissolved oxygen (mg/L)	Fecal coliform (col/100 mL)	Fecal streptococci (col/100 mL)	*E. coli* (col/100 mL)	Total hardness (mg/L)
North Dry Sac River at sod farm (site 7)									
11-23-99	no flow	459	7.5	12.9	0.43	K>1,200	K1,000	K6,000	--
01-25-00	3.3	416	8.1	2.1	12.1	K<33	K<20	K33	190
03-29-00	8.4	397	8.0	12.1	1.9	36	26	21	200
07-06-00	9.8	435	7.8	26.6	6.4	120	140	89	200
10-11-00	no flow	458	7.8	9.4	3.5	130	K29	140	230
02-13-01	20	420	8.0	5.9	11.3	60	K20	63	200
Asher Creek near mouth (site 8)									
11-23-99	2.6	432	7.8	13.6	8.0	K>3,000	300	K6,000	--
01-25-00	3.6	428	8.1	2.1	12.8	K420	250	440	210
03-29-00	7.4	405	8.2	11.9	4.1	100	K20	60	210
07-06-00	2.1	480	7.9	25.7	9.1	200	96	140	230
10-11-00	.03	508	8.4	11.4	7.9	K56	K36	K56	260
02-13-01	43	397	8.0	6.5	11.5	K5,600	K4,800	K11,600	200
Little Sac River near Morrisville (site 9)									
11-23-99	20.5	638	8.0	13.4	8.9	K4,400	K1,000	K3,800	--
01-25-00	25	507	8.4	1.9	10.2	K<33	K60	K50	210
03-29-00	46	470	8.1	12.6	4.1	78	33	49	200
07-06-00	62	528	8.0	27.3	7.4	140	42	120	230
10-11-00	9.7	703	8.7	10.3	11.3	60	K22	52	220
02-13-01	188	509	8.0	5.7	11.7	K1,700	K710	K2,800	200

Table 1. Values of physical properties, indicator bacteria densities, and concentrations of inorganic constituents and nutrients—Continued

Date	Calcium, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Sodium, dissolved (mg/L)	Potassium, dissolved (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	$Alk_{(it)}$ (mg/L)	Sulfate, dissolved (mg/L)	Chloride, dissolved (mg/L)
South Dry Sac River at Farm Road 141 (site 1)									
11-22-99	--	--	--	--	--	--	--	--	--
01-24-00	81	6.0	12	2.1	--	--	--	11	25
02-28-00	81	5.1	14	2.1	--	--	--	13	31
03-28-00	82	4.8	13	2.0	250	0	210	14	29
04-26-00	--	--	--	--	--	--	--	--	--
05-31-00	--	--	--	--	--	--	--	--	--
07-05-00	81	4.0	17	2.4	--	--	--	16	31
08-29-00	--	--	--	--	--	--	--	--	--
10-10-00	87	6.0	13	2.7	270	0	220	11	24
11-01-00	--	--	--	--	--	--	--	--	--
12-18-00	--	--	--	--	--	--	--	--	--
02-12-01	88	5.0	21	1.9	260	0	200	15	49
03-13-01	--	--	--	--	--	--	--	--	--
04-24-01	--	--	--	--	--	--	--	--	--
Little Sac River at Farm Road 141 (site 2)									
11-22-99	--	--	--	--	--	--	--	--	--
01-24-00	60	6.3	4.1	1.2	--	--	--	13	11
03-28-00	49	7.0	5.0	1.9	170	0	140	10	11
07-05-00	74	7.4	5.5	1.4	--	--	--	6.2	11
10-10-00	62	7.0	4.6	1.7	220	0	175	7.8	10
02-12-01	47	6.8	5.1	2.3	170	0	140	7.3	10

Table 1. Values of physical properties, indicator bacteria densities, and concentrations of inorganic constituents and nutrients—Continued

Date	Calcium, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Sodium, dissolved (mg/L)	Potassium, dissolved (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	$Alk_{(it)}$ (mg/L)	Sulfate, dissolved (mg/L)	Chloride, dissolved (mg/L)
Little Sac River at Farm Road 125 (site 5)									
11-22-99	--	--	--	--	--	--	--	--	--
01-24-00	77	7.5	70	6.5	--	--	--	29	91
02-28-00	84	6.1	65	5.3	--	--	--	22	95
03-28-00	74	6.4	28	3.6	210	14	200	18	45
04-26-00	--	--	--	--	--	--	--	--	--
05-31-00	--	--	--	--	--	--	--	--	--
07-05-00	86	4.6	22	3.3	--	--	--	17	34
08-29-00	--	--	--	--	--	--	--	--	--
10-10-00	80	7.8	75	7.5	260	0	210	24	100
11-01-00	--	--	--	--	--	--	--	--	--
12-18-00	--	--	--	--	--	--	--	--	--
02-12-01	76	5.7	29	3.1	240	0	190	16	51
03-13-01	--	--	--	--	--	--	--	--	--
04-24-01	--	--	--	--	--	--	--	--	--
Little Sac River near Walnut Grove (site 6)									
11-03-99	75	9.0	66	7.5	240	0	214	23	85
11-22-99	--	--	--	--	--	--	--	--	--
12-02-99	--	--	--	--	174	0	143	--	--
01-11-00	83	8.3	34	3.1	228	11	205	18	45
01-24-00	75	8.0	36	4.3	--	--	--	21	53
02-16-00	--	--	--	--	--	--	--	--	--
02-28-00	--	--	--	--	--	--	--	--	--
03-22-00	--	--	--	--	256	0	210	--	--

Table 1. Values of physical properties, indicator bacteria densities, and concentrations of inorganic constituents and nutrients—Continued

Date	Calcium, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Sodium, dissolved (mg/L)	Potassium, dissolved (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	$Alk_{(it)}$ (mg/L)	Sulfate, dissolved (mg/L)	Chloride, dissolved (mg/L)
Little Sac River near Walnut Grove (site 6)—Continued									
03-28-00	67	7.3	27	3.5	210	12	190	17	40
04-11-00	--	--	--	--	216	0	177	--	--
04-26-00	--	--	--	--	--	--	--	--	--
05-24-00	78	8.2	45	5.6	248	0	204	21	65
05-31-00	--	--	--	--	--	--	--	--	--
06-07-00	--	--	--	--	250	0	205	--	--
07-05-00	76	5.6	19	3.3	--	--	--	15	29
07-26-00	79	6.4	17	2.7	249	0	204	13	26
08-15-00	--	--	--	--	271	0	222	--	--
08-29-00	--	--	--	--	--	--	--	--	--
09-05-00	--	--	--	--	278	0	228	--	--
10-10-00	82	8.3	92	7.4	--	--	--	23	140
10-12-00	--	--	--	--	262	0	215	--	--
11-01-00	--	--	--	--	--	--	--	--	--
11-29-00	73	8.3	91	7.1	256	0	210	19	116
12-12-00	--	--	--	--	267	0	218	--	--
12-18-00	--	--	--	--	--	--	--	--	--
01-17-01	87	8.0	50	4.2	251	3	211	20	81
02-06-01	--	--	--	--	220	0	180	--	--
02-12-01	75	7.4	36	3.3	230	7	200	17	60
03-13-01	--	--	--	--	--	--	--	--	--
03-19-01	--	--	--	--	209	2	175	--	--
04-17-01	--	--	--	--	222	0	182	--	--
04-24-01	--	--	--	--	--	--	--	--	--

Table 1. Values of physical properties, indicator bacteria densities, and concentrations of inorganic constituents and nutrients—Continued

Date	Calcium, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Sodium, dissolved (mg/L)	Potassium, dissolved (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	$Alk_{(it)}$ (mg/L)	Sulfate, dissolved (mg/L)	Chloride, dissolved (mg/L)
North Dry Sac River at sod farm (site 7)									
11-23-99	--	--	--	--	--	--	--	--	--
01-25-00	48	17	6.0	2.0	--	--	--	26	15
03-29-00	49	18	6.6	2.1	220	0	180	24	16
07-06-00	50	18	8.5	3.0	--	--	--	19	15
10-11-00	57	21	6.3	2.6	260	0	220	16	11
02-13-01	50	18	8.3	2.1	220	0	180	23	20
Asher Creek near mouth (site 8)									
11-23-99	--	--	--	--	--	--	--	--	--
01-25-00	66	10	4.5	1.8	--	--	--	18	13
03-29-00	66	11	4.7	1.8	220	0	180	21	13
07-06-00	76	10	5.6	3.0	--	--	--	15	14
10-11-00	70	21	5.1	3.2	270	14	250	16	12
02-13-01	62	10	4.5	2.7	210	0	180	17	13
Little Sac River near Morrisville (site 9)									
11-23-99	--	--	--	--	--	--	--	--	--
01-25-00	65	11	21	3.1	--	--	--	20	33
03-29-00	64	10	20	2.9	230	0	190	18	31
07-06-00	76	8.7	17	3.2	--	--	--	16	28
10-11-00	74	9.4	61	5.8	250	7	220	19	81
02-13-01	65	10	23	3.2	220	0	180	18	40

Table 1. Values of physical properties, indicator bacteria densities, and concentrations of inorganic constituents and nutrients—Continued

Date	Calcium, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Sodium, dissolved (mg/L)	Potassium, dissolved (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	$Alk_{(it)}$ (mg/L)	Sulfate, dissolved (mg/L)	Chloride, dissolved (mg/L)
Little Sac River at Ritter Spring (site 3)									
11-22-99	--	--	--	--	--	--	--	--	--
01-24-00	84	4.9	12	1.6	--	--	--	17	24
03-28-00	72	5.3	10	1.7	210	5	180	15	21
07-06-00	93	3.9	15	1.9	--	--	--	16	28
10-11-00	90	5.0	13	2.1	260	3	220	16	24
02-13-01	77	5.5	15	2.0	240	0	200	13	32
Effluent from the Northwest Wastewater Treatment Plant (site 4)									
11-22-99	--	--	--	--	--	--	--	--	--
01-24-00	68	12	150	14	--	--	--	44	190
02-28-00	77	10	180	15	--	--	--	40	250
03-28-00	71	10	110	11	290	0	230	33	130
04-26-00	--	--	--	--	--	--	--	--	--
05-31-00	--	--	--	--	--	--	--	--	--
07-05-00	76	8.5	76	10	--	--	--	31	100
08-29-00	--	--	--	--	--	--	--	--	--
10-10-00	67	11	130	12	270	0	210	33	160
11-01-00	--	--	--	--	--	--	--	--	--
12-18-00	--	--	--	--	--	--	--	--	--
02-12-01	80	9.4	80	12	270	0	220	34	190
03-13-01	--	--	--	--	--	--	--	--	--
04-24-01	--	--	--	--	--	--	--	--	--

Table 1. Values of physical properties, indicator bacteria densities, and concentrations of inorganic constituents and nutrients—Continued

Date	Fluoride, dissolved (mg/L)	Nitrite, total (mg/L as N)	Nitrite + nitrate, total (mg/L as N)	Nitrogen, ammonia, total (mg/L as N)	Phosphorus, total (mg/L as P)	Orthophosphorus, total (mg/L as P)	Boron, dissolved (µg/L)	Strontium, dissolved (µg/L)
South Dry Sac River at Farm Road 141 (site 1)								
11-22-99	--	0.03	1.1	0.20	0.03	<0.01	--	--
01-24-00	<0.1	.02	1.5	.28	<.02	<.01	20	76
02-28-00	<.1	<.01	1.4	.09	<.02	<.01	14	76
03-28-00	<.1	.02	.90	.06	<.02	<.01	17	78
04-26-00	--	.02	.80	.12	<.02	<.01	--	--
05-31-00	--	.02	.97	.18	.04	.01	--	--
07-05-00	<.1	<.01	1.3	.08	.04	.03	34	86
08-29-00	--	.02	1.1	.13	.03	.01	--	--
10-10-00	<.1	<.01	1.1	.17	.02	<.01	26	82
11-01-00	--	.02	.62	.18	.02	<.01	--	--
12-18-00	--	<.01	1.5	.20	<.02	<.01	--	--
02-12-01	<.1	.05	2.1	<.01	<.02	<.01	10	84
03-13-01	--	.01	2.3	.05	<.02	<.01	--	--
04-24-01	--	.02	.87	.10	<.02	.01	--	--
Little Sac River at Farm Road 141 (site 2)								
11-22-99	--	--	--	--	--	--	--	--
01-24-00	<0.1	<0.01	0.15	0.01	<0.02	<0.01	5	43
03-28-00	<.1	.01	.12	.03	.02	<.01	7	45
07-05-00	<.1	<.01	<.02	.01	.02	.01	23	58
10-10-00	<.1	<.01	<.02	.02	<.02	.01	6	46
02-12-01	<.1	.02	.25	.08	<.02	<.01	6	45

Table 1. Values of physical properties, indicator bacteria densities, and concentrations of inorganic constituents and nutrients—Continued

Date	Fluoride, dissolved (mg/L)	Nitrite, total (mg/L as N)	Nitrite + nitrate, total (mg/L as N)	Nitrogen, ammonia, total (mg/L as N)	Phosphorus, total (mg/L as P)	Orthophosphorus, total (mg/L as P)	Boron, dissolved (µg/L)	Strontium, dissolved (µg/L)
Little Sac River at Ritter Spring (site 3)								
11-22-99	--	0.01	0.88	0.06	0.03	<0.01	--	--
01-24-00	<0.1	.01	1.6	.07	<.02	<.01	23	81
03-28-00	<.1	.01	.87	.02	<.02	<.01	15	68
07-06-00	<.1	<.01	1.7	.03	.03	.02	33	90
10-11-00	<.1	<.01	1.3	.07	.02	.01	28	83
02-13-01	<.1	.04	1.4	.13	<.02	<.01	10	73
Effluent from the Northwest Wastewater Treatment Plant (site 4)								
11-22-99	--	0.02	6.6	0.06	0.11	0.03	--	--
01-24-00	0.8	.03	5.8	.13	.15	.06	210	83
02-28-00	.8	.14	7.4	.19	.20	.02	180	100
03-28-00	.6	.04	7.1	.12	.20	.05	220	82
04-26-00	--	<.01	3.0	.09	.19	.09	--	--
05-31-00	--	<.01	7.0	.08	5.0	5.0	--	--
07-05-00	.2	<.01	4.6	.03	4.6	4.4	170	90
08-29-00	--	.01	.13	.61	.29	.21	--	--
10-10-00	.3	<.01	6.5	.06	.14	.12	210	78
11-01-00	--	<.01	8.1	.10	.08	.03	--	--
12-18-00	--	.17	2.5	.32	.30	.34	--	--
02-12-01	.6	.22	7.2	.03	.21	.07	160	97
03-13-01	--	.31	6.2	.20	.21	.04	--	--
04-24-01	--	.02	3.0	.12	.19	.05	--	--

Table 1. Values of physical properties, indicator bacteria densities, and concentrations of inorganic constituents and nutrients—Continued

Date	Fluoride, dissolved (mg/L)	Nitrite, total (mg/L as N)	Nitrite + nitrate, total (mg/L as N)	Nitrogen, ammonia, total (mg/L as N)	Phosphorus, total (mg/L as P)	Orthophosphorus, total (mg/L as P)	Boron, dissolved (µg/L)	Strontium, dissolved (µg/L)
Little Sac River at Farm Road 125 (site 5)								
11-22-99	--	<0.01	2.2	0.04	0.09	0.05	--	--
01-24-00	0.3	.02	2.1	.08	.07	.06	87	78
02-28-00	.3	.02	2.0	.05	.06	.03	57	83
03-28-00	.2	.02	2.5	.02	.07	.04	50	71
04-26-00	--	.04	3.6	.05	.15	.13	--	--
05-31-00	--	.01	4.4	.08	1.7	1.7	--	--
07-05-00	<.1	<.01	2.1	.03	.72	.67	53	85
08-29-00	--	.01	1.6	.05	.20	.18	--	--
10-10-00	.2	<.01	5.0	.05	.08	.09	110	80
11-01-00	--	.04	2.1	.12	.08	.07	--	--
12-18-00	--	<.01	1.3	.21	.03	.03	--	--
02-12-01	.1	.03	1.8	.05	<.02	.02	30	72
03-13-01	--	.03	2.3	.06	<.02	.01	--	--
04-24-01	--	.03	2.8	.09	.08	.06	--	--
Little Sac River near Walnut Grove (site 6)								
11-03-99	0.4	--	--	--	0.25	--	--	--
11-22-99	--	0.01	0.63	0.03	.07	0.03	--	--
12-02-99	--	--	--	--	.05	--	--	--
01-11-00	.2	--	--	--	<.05	--	--	--
01-24-00	.2	<.01	2.2	.04	.10	.10	61	69
02-16-00	--	--	--	--	.08	--	--	--
02-28-00	.2	<.01	1.3	.02	.06	.04	38	74
03-22-00	--	--	--	--	.04E	--	--	--

Table 1. Values of physical properties, indicator bacteria densities, and concentrations of inorganic constituents and nutrients—Continued

Date	Fluoride, dissolved (mg/L)	Nitrite, total (mg/L as N)	Nitrite + nitrate, total (mg/L as N)	Nitrogen, ammonia, total (mg/L as N)	Phosphorus, total (mg/L as P)	Orthophosphorus, total (mg/L as P)	Boron, dissolved (µg/L)	Strontium, dissolved (µg/L)
Little Sac River near Walnut Grove (site 6)—Continued								
03-28-00	0.2	0.01	0.85	0.02	0.05	0.02	42	65
04-11-00	--	--	--	--	.08	--	--	--
04-26-00	--	.01	.86	.04	.22	.20	--	--
05-24-00	.2	--	--	--	.27	--	--	--
05-31-00	--	.01	1.2	.05	.43	.39	--	--
06-07-00	--	--	--	--	.46	--	--	--
07-05-00	<.1	<.01	1.7	.02	.40	.36	49	73
07-26-00	--	--	--	--	.09	--	--	--
08-15-00	<.1	--	--	--	.12	--	--	--
08-29-00	--	<.01	.70	.04	.24	.22	--	--
09-05-00	--	--	--	--	.50	--	--	--
10-10-00	.2	<.01	1.6	.03	.13	.15	88	79
10-12-00	--	--	--	--	.16	--	--	--
11-01-00	--	<.01	.09	.02	.14	.15	--	--
11-29-00	--	--	--	--	<.06	--	--	--
12-12-00	.3	--	--	--	<.06	--	--	--
12-18-00	--	<.01	1.7	.06	<.02	.02	--	--
01-17-01	.1E	--	--	--	<.06	--	--	--
02-06-01	--	--	--	--	<.06	--	--	--
02-12-01	.1	<.01	1.3	.04	<.02	<.01	30	69
03-13-01	--	<.01	1.8	.03	.02	.01	--	--
03-19-01	--	--	--	--	<.06	--	--	--
04-17-01	--	--	--	--	--	--	--	--
04-24-01	--	<.01	.79	.02	.08	.06	--	--

Table 1. Values of physical properties, indicator bacteria densities, and concentrations of inorganic constituents and nutrients—Continued

Date	Fluoride, dissolved (mg/L)	Nitrite, total (mg/L as N)	Nitrite + nitrate, total (mg/L as N)	Nitrogen, ammonia, total (mg/L as N)	Phosphorus, total (mg/L as P)	Orthophosphorus, total (mg/L as P)	Boron, dissolved (µg/L)	Strontium, dissolved (µg/L)
North Dry Sac River at sod farm (site 7)								
11-23-99	<0.1	<0.01	0.12	0.04	0.05	0.01	--	--
01-25-00	<.1	<.01	.20	.03	<.02	<.01	7	47
03-29-00	<.1	<.01	<.02	.01	<.02	<.01	8	49
07-06-00	<.1	<.01	.05	.02	<.02	.01	27	58
10-11-00	<.1	<.01	<.02	.02	<.02	<.01	11	58
02-13-01	<.1	<.01	.75	<.01	<.02	<.01	4	49
Asher Creek near mouth (site 8)								
11-23-99	--	<0.01	0.11	0.02	0.04	0.01	--	--
01-25-00	<0.1	<.01	.65	.02	<.02	<.01	5	55
03-29-00	<.1	<.01	.04	.02	<.02	<.01	6	58
07-06-00	<.1	<.01	.74	.03	.04	.03	23	69
10-11-00	<.1	<.01	.04	.17	.04	.01	10	62
02-13-01	<.1	.03	1.7	.03	.12	.07	3	52
Little Sac River near Morrisville (site 9)								
11-23-99	--	<0.01	<0.02	0.02	0.06	0.04	--	--
01-25-00	0.1	<.01	.9	.03	<.02	<.01	31	62
03-29-00	.1	.01	.2	.03	.03	.02	29	61
07-06-00	<.1	<.01	1.0	.03	.15	.12	42	74
10-11-00	.1	<.01	.23	.02	.06	.06	63	71
02-13-01	<.1	.02	1.2	.08	.04	.04	20	60

Table 2. Summary statistics of physical properties, indicator bacteria densities, and concentrations of inorganic constituents and nutrients

[ft^3/s, cubic feet per second; µS/cm, microsiemens per centimeter at 25 degrees Celsius; pH, in standard units; °C, degrees Celsius; mg/L, milligrams per liter; col/100 mL, colonies per 100 milliliters; *E. coli*, *Escherichia coli*; $Alk_{(it)}$, total acid neutralizing capacity, incremental titration; N, nitrogen; +, plus; P, phosphorus; µg/L, micrograms per liter; STD, standard deviation]

	Discharge (ft^3/s)	Specific conductance (µS/cm)	pH	Water temperature (°C)	Dissolved oxygen (mg/L)	Fecal coliform (col/100 mL)	Fecal streptococci (col/100 mL)	*E. coli* (col/100 mL)	Total hardness (mg/L)
South Dry Sac River at Farm Road 141 (site 1)									
Number	14	13	14	13	13	14	14	14	6
Minimum	1.4	287	7.4	1.1	4.1	8	10	12	220
Maximum	12	577	8.1	24.1	15.9	690	500	380	240
Median	2.3	505	7.8	13.8	10.6	92	25	70	225
Mean	3.92	494	a	13.9	10.1	156	101	136	228
STD	3.25	67	.2	7.4	3.8	191	133	134	10
Little Sac River at Farm Road 141 (site 2)									
Number	5	5	5	5	5	5	5	5	5
Minimum	.07	303	7.5	4.7	3.0	5	30	8	150
Maximum	13	451	8.2	29.0	14.7	370	160	320	220
Median	.13	365	7.7	11.9	8.1	18	52	19	180
Mean	4.5	358	a	12.7	8.6	93	68	83	176
STD	6.1	60	.31	9.8	4.2	155	55	134	29
Little Sac River at Ritter Spring (site 3)									
Number	6	6	6	6	6	6	6	6	5
Minimum	3.5	418	7.7	4.1	4.4	4	10	5	200
Maximum	27	546	8.4	19.4	13.7	800	210	830	250
Median	11.2	500	8.0	10.9	9.6	159	142	190	230
Mean	13	491	a	11.4	9.4	228	113	257	230
STD	9.9	45	.29	5.7	3.1	295	82	301	21

Table 2. Summary statistics of physical properties, indicator bacteria densities, and concentrations of inorganic constituents and nutrients—Continued

	Discharge (ft^3/s)	Specific conductance (µS/cm)	pH	Water temperature (°C)	Dissolved oxygen (mg/L)	Fecal coliform (col/100 mL)	Fecal streptococci (col/100 mL)	*E. coli* (col/100 mL)	Total hardness (mg/L)
Effluent from the Northwest Wastewater Treatment Plant (site 4)									
Number	14	14	14	14	14	14	14	14	6
Minimum	5.3	819	7.0	12.7	3.9	1	1	1	210
Maximum	7.1	2,120	7.8	26.9	10.6	10,100	4,000	6,400	240
Median	6.6	1,170	7.7	19.2	8.8	462	230	1,600	220
Mean	6.5	1,280	a	18.9	8.4	2,500	880	2,300	230
STD	.60	409	.26	4.5	1.7	3,200	1,300	2,500	10
Little Sac River at Farm Road 125 (site 5)									
Number	14	14	14	14	14	14	14	14	6
Minimum	6.6	511	7.3	2.6	4.5	60	6	50	210
Maximum	63	1,280	8.5	25.5	15.3	430	250	400	240
Median	12	745	8.0	15.5	10.2	142	28	115	225
Mean	20	755	a	15.1	10.4	203	58	164	223
STD	16	218	.3	7.1	3.6	148	68	114	12
Little Sac River near Walnut Grove (site 6)									
Number	32	32	32	32	32	32	32	32	12
Minimum	5.6	485	7.4	.5	4.4	2	4	1	200
Maximum	106	1,210	8.7	27.7	18.6	600	350	720	250
Median	17	636	8.1	12.2	10.8	65	26	40	225
Mean	26	704	a	13.7	10.6	95	63	91	226
STD	24	195	.29	7.8	4.2	113	83	137	14

Table 2. Summary statistics of physical properties, indicator bacteria densities, and concentrations of inorganic constituents and nutrients—Continued

	Discharge (ft^3/s)	Specific conductance (µS/cm)	pH	Water temperature (°C)	Dissolved oxygen (mg/L)	Fecal coliform (col/100 mL)	Fecal streptococci (col/100 mL)	*E. coli* (col/100 mL)	Total hardness (mg/L)
North Dry Sac River at sod farm (site 7)									
Number	5	6	6	6	6	6	6	6	5
Minimum	.0	397	7.5	2.1	.43	33	20	21	190
Maximum	20	459	8.1	26.6	12.1	1,200	1,000	6,000	230
Median	8.4	428	7.9	10.8	5.0	90	28	76	200
Mean	8.3	431	a	11.5	5.9	264	206	1,057	204
STD	7.6	25	.22	8.4	4.9	461	392	2,422	15
Asher Creek near mouth (site 8)									
Number	6	6	6	6	6	6	6	6	5
Minimum	.03	397	7.8	2.1	4.1	56	20	56	220
Maximum	43	508	8.4	25.7	12.8	5,600	4,800	11,600	260
Median	3.1	430	8.0	11.6	8.6	312	173	290	210
Mean	9.8	442	a	11.9	8.9	1,560	917	3,049	222
STD	16.4	44	.22	8.0	3.1	2,276	1,905	4,796	24
Little Sac River near Morrisville (site 9)									
Number	6	6	6	6	6	6	6	6	5
Minimum	9.7	470	8.0	1.9	4.1	33	22	49	200
Maximum	188	703	8.7	27.3	11.7	4,400	1,000	3,800	230
Median	36	518	8.0	11.4	9.6	106	51	88	210
Mean	59	559	a	11.9	8.9	1,068	311	1,146	212
STD	66	90	.29	8.7	2.8	1,757	431	1,699	13

Table 2. Summary statistics of physical properties, indicator bacteria densities, and concentrations of inorganic constituents and nutrients—Continued

	Calcium, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Sodium, dissolved (mg/L)	Potassium, dissolved (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	$Alk_{(it)}$ (mg/L)	Sulfate, dissolved (mg/L)	Chloride, dissolved (mg/L)
South Dry Sac River at Farm Road 141 (site 1)									
Number	6	6	6	6	3	3	3	6	6
Minimum	81	4.0	12	1.9	250	0	200	11	24
Maximum	88	6.0	21	2.7	270	0	220	16	49
Median	82	5.0	14	2.1	260	0	210	14	30
Mean	83.3	5.2	15	2.2	260	0	210	13	32
STD	3.3	.76	3.4	.30	10	0	10	2.1	9.1
Little Sac River at Farm Road 141 (site 2)									
Number	5	5	5	5	3	3	3	5	5
Minimum	47	6.3	4.1	1.2	170	0	140	6.2	10
Maximum	74	7.4	5.5	2.3	220	0	175	13	11
Median	60	7.0	5.0	1.7	170	0	140	7.8	11
Mean	58	6.9	4.9	1.7	187	0	152	8.9	11
STD	11	.4	.5	.43	29	0	20	2.7	.55
Little Sac River at Ritter Spring (site 3)									
Number	5	5	5	5	3	3	3	5	5
Minimum	72	3.9	10	1.6	210	0	180	13	21
Maximum	93	5.5	15	2.1	260	5	220	17	32
Median	84	5.0	13	1.9	240	3	200	16	24
Mean	83	4.9	13	1.9	237	3	200	15	26
STD	8.8	.62	2.1	.21	25	3	20	1.5	4.3

Table 2. Summary statistics of physical properties, indicator bacteria densities, and concentrations of inorganic constituents and nutrients—Continued

	Calcium, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Sodium, dissolved (mg/L)	Potassium, dissolved (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	$Alk_{(it)}$ (mg/L)	Sulfate, dissolved (mg/L)	Chloride, dissolved (mg/L)
Effluent from the Northwest Wastewater Treatment Plant (site 4)									
Number	6	6	6	6	3	3	3	6	6
Minimum	67	8.5	76	10	270	0	210	31	100
Maximum	80	12	180	15	290	0	230	44	250
Median	74	10	120	12	270	0	220	34	175
Mean	73	10	121	12	277	0	220	36	170
STD	5.3	1.2	41	1.9	12	0	10	5.1	53
Little Sac River at Farm Road 125 (site 5)									
Number	6	6	6	6	3	3	3	6	6
Minimum	74	4.6	22	3.1	210	0	190	16	34
Maximum	86	7.8	75	7.5	260	14	210	29	100
Median	78	6.2	47	4.4	240	0	200	20	71
Mean	80	6.4	48	4.8	237	5	200	21	69
STD	4.7	1.2	24	1.8	25	8	10	5	29
Little Sac River near Walnut Grove (site 6)									
Number	11	11	11	11	18	18	18	11	11
Minimum	67	5.6	17	2.7	174	0	143	13	26
Maximum	87	9.0	92	7.5	278	12	228	23	140
Median	76	8.0	36	4.2	248	0	205	19	60
Mean	77	7.7	47	4.7	240	2	201	19	67
STD	5.4	.9	26	1.8	26	4	21	3	36

Table 2. Summary statistics of physical properties, indicator bacteria densities, and concentrations of inorganic constituents and nutrients—Continued

	Calcium, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Sodium, dissolved (mg/L)	Potassium, dissolved (mg/L)	Bicarbonate (mg/L)	Carbonate (mg/L)	$Alk_{(it)}$ (mg/L)	Sulfate, dissolved (mg/L)	Chloride, dissolved (mg/L)
North Dry Sac River at sod farm (site 7)									
Number	5	5	5	5	3	3	3	5	5
Minimum	48	17	6.0	2.0	220	0	180	16	11
Maximum	57	21	8.5	3.0	260	0	220	26	20
Median	50	18	6.6	2.1	220	0	180	23	15
Mean	51	18	7.1	2.4	233	0	193	22	15
STD	3.6	1.5	7.2	.43	23	0	23	4.0	3.2
Asher Creek near mouth (site 8)									
Number	5	5	5	5	3	3	3	5	5
Minimum	62	10	4.5	1.8	210	0	180	15	12
Maximum	76	21	5.6	3.2	270	14	250	21	14
Median	66	10	4.7	2.7	220	0	180	17	13
Mean	68	12	4.9	2.5	233	5	203	17	13
STD	5.3	4.8	.47	.66	32	8	40	2.3	.7
Little Sac River near Morrisville (site 9)									
Number	5	5	5	5	3	3	3	5	5
Minimum	64	8.7	17	2.9	220	0	180	16	28
Maximum	76	11	61	5.8	250	7	220	20	81
Median	65	10	21	3.2	230	0	190	18	33
Mean	69	9.8	28	3.6	233	2	197	18	43
STD	5.7	.85	18	1.2	15	4	21	1.5	22

Table 2. Summary statistics of physical properties, indicator bacteria densities, and concentrations of inorganic constituents and nutrients—Continued

	Fluoride, dissolved (mg/L)	Nitrite, total (mg/L as N)	Nitrite + nitrate, total (mg/L as N)	Nitrogen, ammonia, total (mg/L as N)	Phosphorus, total (mg/L as P)	Orthophosphorus, total (mg/L as P)	Boron, dissolved (μg/L)	Strontium, dissolved (μg/L)
South Dry Sac River at Farm Road 141 (site 1)								
Number	6	14	14	14	14	14	6	6
Minimum	.1	.01	.62	.01	.02	.01	10	76
Maximum	.1	.05	2.3	.28	.04	.03	34	86
Median	.1	.02	1.1	.12	.02	.01	18	80
Mean	.1	.02	1.3	.14	.02	.01	20	80
STD	0	.01	.48	.06	.01	.01	8.7	4.3
Little Sac River at Farm Road 141 (site 2)								
Number	5	5	5	5	5	5	5	5
Minimum	.1	.01	.02	.01	.02	.01	5	43
Maximum	.1	.02	.25	.08	.02	.01	23	58
Median	.1	.01	.12	.02	.02	.01	6.0	45
Mean	.1	.01	.11	.03	.02	.01	9.4	47
STD	0	0	.10	.03	0	0	7.6	6.0
Little Sac River at Ritter Spring (site 3)								
Number	5	6	6	6	6	6	5	5
Minimum	.1	.01	.87	.02	.02	.01	10	68
Maximum	.1	.04	1.7	.13	.03	.02	33	90
Median	.1	.01	1.4	.06	.02	.01	23	81
Mean	.1	.02	1.3	.06	.02	.01	22	79
STD	0	.01	.35	.04	0	0	9.4	8.6

Table 2. Summary statistics of physical properties, indicator bacteria densities, and concentrations of inorganic constituents and nutrients—Continued

	Fluoride, dissolved (mg/L)	Nitrite, total (mg/L as N)	Nitrite + nitrate, total (mg/L as N)	Nitrogen, ammonia, total (mg/L as N)	Phosphorus, total (mg/L as P)	Orthophosphorus, total (mg/L as P)	Boron, dissolved (μg/L)	Strontium, dissolved (μg/L)
Effluent from the Northwest Wastewater Treatment Plant (site 4)								
Number	6	14	14	14	14	14	6	6
Minimum	.2	.01	.13	.03	.08	.02	160	78
Maximum	.8	.31	8.1	.61	5.0	5.0	220	100
Median	.6	.02	6.4	.11	.20	.06	195	86
Mean	.6	.07	5.4	.15	.85	.75	192	88
STD	.2	.10	2.3	.15	1.7	1.7	25	8.8
Little Sac River at Farm Road 125 (site 5)								
Number	6	14	14	14	14	14	6	6
Minimum	.1	.01	1.3	.02	.02	.01	30	71
Maximum	.3	.04	5.0	.21	1.7	1.7	110	85
Median	.2	.02	2.2	.05	.08	.06	55	79
Mean	.2	.02	2.6	.07	.24	.22	64	78
STD	.1	.01	1.2	.05	.46	.46	28.9	5.7
Little Sac River near Walnut Grove (site 6)								
Number	12	14	14	14	31	14	6	6
Minimum	.1	.01	.09	.02	.02	.01	30	65
Maximum	.4	.01	2.2	.06	.50	.39	88	79
Median	.2	.01	1.2	.03	.08	.08	45	71
Mean	.2	.01	1.2	.03	.14	.13	51	72
STD	.1	0	.57	.01	.14	.13	21	4.9

Table 2. Summary statistics of physical properties, indicator bacteria densities, and concentrations of inorganic constituents and nutrients—Continued

	Fluoride, dissolved (mg/L)	Nitrite, total (mg/L as N)	Nitrite + nitrate, total (mg/L as N)	Nitrogen, ammonia, total (mg/L as N)	Phosphorus, total (mg/L as P)	Orthophosphorus, total (mg/L as P)	Boron, dissolved (μg/L)	Strontium, dissolved (μg/L)
North Dry Sac River at sod farm (site 7)								
Number	6	6	6	6	6	6	5	5
Minimum	.1	.01	.02	.01	.02	.01	4	47
Maximum	.1	.01	.75	.04	.05	.01	27	58
Median	.1	.01	.08	.02	.02	.01	8	49
Mean	.1	.01	.19	.02	.02	.01	11	52
STD	0	0	.28	.01	.01	0	9	5.4
Asher Creek near mouth (site 8)								
Number	5	6	6	6	6	6	5	5
Minimum	.1	.01	.04	.02	.02	.01	3	52
Maximum	.1	.03	1.7	.17	.12	.07	23	69
Median	.1	.01	.38	.02	.04	.01	6	58
Mean	.1	.01	.55	.05	.05	.02	9	59
STD	0	.01	.64	.06	.04	.02	8	6.6
Little Sac River near Morrisville (site 9)								
Number	5	6	6	6	6	6	5	5
Minimum	.1	.01	.02	.02	.02	.01	20	60
Maximum	.1	.02	1.2	.08	.15	.12	63	74
Median	.1	.01	.56	.03	.05	.04	31	62
Mean	.1	.01	.60	.04	.06	.05	37	66
STD	0	0	.50	.02	.05	.04	17	6.4

[a] Mean pH will not satisfactorily summarize the typical hydrogen ion concentration if the pH values are not normally distributed.

Table 3. Number of *Escherichia coli* isolates in water samples assigned to various sources by rep-PCR pattern analysis

[rep-PCR, repetitive element polymerase chain reaction; sample collected at site 4 on April 24, 2001, produced no readable patterns; no suitable bacteria were cultured for ribotyping in samples collected on June 14, 2001]

Site (fig. 1)	Date	Number of isolates	Percent identified	Possible source using three-class analysis (probability of 0.80 or larger)			
				Horse	Cattle	Human	Unknown
1	03-22-01	15	93	14	0	0	1
	04-24-01	16	62	4	4	2	6
	07-05-01	10	50	4	1	0	5
5	03-22-01	10	100	10	0	0	0
	04-24-01	15	73	4	6	1	4
	07-05-01	7	0	0	0	0	7
6	03-22-01	10	70	6	1	0	3
	04-24-01	8	50	1	2	1	4
	07-05-01	11	45	2	3	0	6

Table 4. Concentrations of organic compounds associated with wastewater

[Concentrations are in micrograms per liter; bold number indicates compound was detected; BHA, butylated hydroxyanisole; BHT, butylated hydroxytoluene; NPEO1, nonylphenol monoethoxylate; NPEO2, nonylphenol diethoxylate; OPEO1, octylphenol monoethoxylate; OPEO2, octylphenol diethoxylate; <, less than; E, estimated; --, no data]

Date	1,4-Di-chloro-benzene	2,6-Di-tert-butyl-phenol	2,6-Di-tert-para-benzo-quinone	5-Methyl-1H-benzo-triazole	17-beta-Estradiol	3-beta-Coprostaol	Aceto-phenone	Anthra-cene	Benzo[a]-pyrene	bis(2-Ethyl-hexyl) adipate	bis(2-Ethyl-hexyl) phthalate	Bis-phenol A
South Dry Sac River at Farm Road 141 (site 1)												
01-24-00	<0.03	<0.09	<0.07	<0.10	<0.5	<0.6	<0.15	<0.05	<0.05	<0.90	<1.8	**0.50**
02-28-00	<.03	<.09	<.07	<.10	<.5	<.6	<.10	<.05	<.05	<1.5	<2.0	**.22**
03-28-00	<.03	<.09	**.12**	<.10	<.5	<.6	<.10	<.05	**E.02**	<1.5	**4.63**	**.24**
07-05-00	<.03	<.09	**.18**	<.10	<.5	<.6	<.10	<.05	<.05	<1.5	<2.5	**.09**
10-10-00	<.04	<.15	<.5	<.15	<.5	<.6	<.22	<.06	<.07	<2.0	--	**.42**
04-24-01	<.50	--	--	<2.0	<5.0	<2.0	<.05	<.50	<.50	--	--	**E.32**
Little Sac River at Farm Road 141 (site 2)												
01-24-00	<0.03	<0.09	<0.07	<0.10	<0.5	<0.6	<0.15	<0.05	<0.05	<0.90	<1.8	<0.09
03-28-00	<.03	<.09	**.16**	<.10	<.5	<.6	<.10	<.05	<.05	<1.5	**<2.0**	<.09
07-05-00	<.03	<.09	**.21**	<.10	<.5	<.6	<.10	<.05	<.05	<1.5	**8.27**	<.09
10-10-00	<.04	<.15	<.5	<.15	<.5	<.6	<.22	<.06	<.07	<2.0	**E11.8**	<.09
Little Sac River at Ritter Spring (site 3)												
01-24-00	<0.03	<0.09	<0.07	<0.10	<0.5	<0.6	<0.15	<0.05	<0.05	<0.90	<1.8	**0.10**
03-28-00	<.03	<.09	**.16**	<.10	<.5	<.6	**.22**	<.05	<.05	<1.5	<2.0	**E.07**
07-05-00	<.03	<.09	**.47**	<.10	<.5	<.6	<.10	<.05	<.05	<1.5	<2.5	<.09
10-10-00	<.04	<.15	<.50	<.15	<.5	<.6	<.22	<.06	<.07	<2.0	<2.5	**.11**

Table 4. Concentrations of organic compounds associated with wastewater—Continued

Date	1,4-Di-chloro-benzene	2,6-Di-tert-butyl-phenol	2,6-Di-tert-para-benzo-quinone	5-Methyl-1H-benzo-triazole	17-beta-Estradiol	3-beta-Coprostaol	Aceto-phenone	Anthra-cene	Benzo[a]-pyrene	bis(2-Ethyl-hexyl) adipate	bis(2-Ethyl-hexyl) phthalate	Bis-phenol A
Effluent from the Northwest Wastewater Treatment Plant (site 4)												
01-24-00	**0.06**	<0.09	<0.07	<0.10	<0.5	**E1.2**	**E0.14**	**E0.04**	<0.05	<0.90	<1.8	<0.09
02-28-00	**.05**	<.09	**.19**	<.10	<.5	**E.63**	<.10	<.05	<.05	<1.5	<2.0	<.09
03-28-00	**.23**	**E.02**	**.17**	**.93**	<.5	**E1.1**	**.15**	<.05	**E.02**	<1.5	<2.0	<.09
07-05-00	**.13**	<.09	**.47**	**.36**	<.5	<.6	**E.09**	<.05	<.05	**E2.72**	**6.58**	<.09
10-10-00	**.14**	<.15	<.50	**.66**	**E.20**	**E.71**	<.22	<.06	<.07	<2.0	<2.5	**.13**
04-24-01	**E.11**	--	--	**E.89**	<5.0	<2.0	<.05	<.50	<.50	--	--	**E.15**
Little Sac River at Farm Road 125 (site 5)												
01-24-00	**E0.02**	<0.09	<0.07	<0.10	<0.5	**E0.42**	<0.15	<0.05	<0.05	<0.90	<1.8	**0.19**
02-28-00	**E.02**	<.09	<.07	<.10	<.5	<.6	<.10	<.05	<.05	**3.9**	<2.0	**.27**
03-28-00	**.04**	<.09	<.07	<.10	**E.20**	<.6	**E.10**	<.05	**E.02**	<1.5	<2.0	**.16**
07-05-00	**E.16**	<.09	**.45**	<.10	<.5	<.6	<.10	<.05	<.05	<1.5	<2.0	**.23**
10-10-00	<.04	<.15	<.5	**.21**	<.5	<.6	<.22	<.06	<.07	<2.0	<2.5	**.19**
04-24-01	<.50	--	--	**E.22**	<5.0	<2.0	<.50	<.50	<.50	--	--	**E.11**
Little Sac River near Walnut Grove (site 6)												
01-24-00	<0.03	<0.09	<0.07	<0.10	<0.5	**E0.49**	<0.15	<0.05	<0.05	<0.90	<1.8	<0.09
02-28-00	<.03	<.09	<.07	<.10	<.5	<.6	<.10	<.05	<.05	**4.2**	<2.0	<.09
03-28-00	<.03	<.09	<.07	<.10	<.5	<.6	<.10	<.05	<.05	<1.5	<2.0	<.09
07-05-00	<.03	<.09	**.23**	**.13**	<.5	<.6	<.10	<.05	<.05	<1.5	**15.9**	<.09
10-10-00	<.04	<.15	<.50	**.32**	<.5	<.6	<.22	<.06	<.07	<2.0	<2.5	<.09
04-24-01	<.50	--	--	**E.27**	<5.0	<2.0	<.50	<.50	<.50	--	--	<1.0

Table 4. Concentrations of organic compounds associated with wastewater—Continued

Date	1,4-Di-chloro-benzene	2,6-Di-tert-butyl-phenol	2,6-Di-tert-para-benzo-quinone	5-Methyl-1H-benzo-triazole	17-beta-Estradiol	3-beta-Coprostaol	Aceto-phenone	Anthra-cene	Benzo[a]-pyrene	bis(2-Ethyl-hexyl) adipate	bis(2-Ethyl-hexyl) phthalate	Bis-phenol A
North Dry Sac River at sod farm (site 7)												
01-24-00	<0.03	<0.09	<0.07	<0.10	<0.5	<0.6	<0.15	<0.05	<0.05	<0.90	<1.8	<0.09
03-28-00	<.03	<.09	<.07	<.10	<.5	<.6	<.10	<.05	<.05	<1.5	<2.0	<.09
07-06-00	<.03	<.09	<.07	<.10	<.5	<.6	<.10	<.05	<.05	<1.5	<2.0	<.09
10-10-00	<.04	<.15	<.5	<.15	<.5	<.6	<.22	<.06	<.07	<2.0	<2.5	<.09
Asher Creek near mouth (site 8)												
03-28-00	<0.03	<0.09	<0.07	<0.10	<0.5	<0.6	<0.10	<0.05	<0.05	<1.5	<2.0	<0.09
07-06-00	<.03	<.09	**.23**	<.10	<.5	<.6	<.10	<.05	<.05	<1.5	<2.0	<.09
10-10-00	<.04	<.15	<.5	<.15	<.5	<.6	<.22	<.06	<.07	<2.0	<2.5	<.09
Little Sac River near Morrisville (site 9)												
01-24-00	<0.03	<0.09	<0.07	<0.10	<0.5	<0.6	<0.15	<0.05	<0.05	<0.90	<1.8	<0.09
03-28-00	<.03	<.09	<.07	<.10	<.5	<.6	**.22**	<.05	<.05	<1.5	<2.0	<.09
07-06-00	<.03	<.09	<.07	<.10	<.5	<.6	<.10	<.05	<.05	<1.5	<2.0	<.09
10-10-00	<.04	<.15	<.5	<.15	<.5	<.6	<.22	<.06	<.07	<2.0	<2.5	<.09

Table 4. Concentrations of organic compounds associated with wastewater—Continued

Date	BHA	BHT	Caffeine	Carbaryl	Chlor-pyrifos	Choles-terol	cis-Chlor-dane	Codeine	Cotinine	Diazinon	Dieldrin	Diethyl phthalate
South Dry Sac River at Farm Road 141 (site 1)												
01-24-00	<0.10	<0.08	<0.06	<0.06	<0.02	<2.0	<0.04	<0.2	<0.03	<0.03	<0.08	<0.3
02-28-00	<.12	<.08	**E.025**	<.06	<.02	**E.31**	<.04	<.1	<.04	<.03	<.08	<.25
03-28-00	<.12	<.08	**E.06**	<.06	<.02	**E.49**	<.04	<.1	<.04	<.03	<.08	<.25
07-05-00	<.12	**E.08**	**E.04**	<.06	<.02	<1.5	<.04	<.1	<.04	<.03	<.08	<.25
10-10-00	<.12	<.11	<.08	<.06	<.02	<1.5	<.04	<.2	<.08	<.03	<.08	<.35
04-24-01	<5.0	--	<.50	<1.0	<.50	**E.65**	--	--	<1.0	<.50	--	--
Little Sac River at Farm Road 141 (site 2)												
01-24-00	<0.10	<0.08	<0.06	<0.06	<0.02	<2.0	<0.04	<0.2	<0.03	<0.03	<0.08	<0.3
03-28-00	<.12	<.08	**E.04**	<.06	<.02	**E1.3**	<.04	<.1	<.04	<.03	<.08	<.25
07-05-00	<.12	<.08	<.08	<.06	<.02	<1.5	<.04	<.1	<.04	<.03	<.08	<.25
10-10-00	<.12	<.11	<.08	<.06	<.02	<1.5	<.04	<.2	<.08	<.03	<.08	<.35
Little Sac River at Ritter Spring (site 3)												
01-24-00	<0.10	<0.08	<0.06	<0.06	<0.02	<2.0	<0.04	<0.2	<0.03	<0.03	<0.08	<0.3
03-28-00	<.12	<.08	**E.03**	<.06	<.02	**E.70**	<.04	<.1	<.04	<.03	<.08	<.25
07-05-00	<.12	<.08	<.08	<.06	<.02	<1.5	<.04	<.1	<.04	<.03	<.08	<.25
10-10-00	<.12	<.11	<.08	<.06	<.02	<1.5	<.04	<.2	<.08	<.03	<.08	<.35

Table 4. Concentrations of organic compounds associated with wastewater—Continued

Date	BHA	BHT	Caffeine	Carbaryl	Chlor-pyrifos	Choles-terol	cis-Chlor-dane	Codeine	Cotinine	Diazinon	Dieldrin	Diethyl phthalate
Effluent from the Northwest Wastewater Treatment Plant (site 4)												
01-24-00	<0.10	**E0.17**	**0.26**	<0.06	**0.09**	<2.0	<0.04	<0.2	**0.15**	**0.29**	<0.08	<0.3
02-28-00	<.12	<.08	**E.04**	<.06	<.02	**E.93**	<.04	<.1	<.04	**.13**	<.08	<.25
03-28-00	**E.39**	<.08	**E.08**	<.06	**.08**	**E2.8**	<.04	<.1	<.04	**.15**	<.08	<.25
07-05-00	<.12	**E.12**	**E.04**	**E.03**	<.02	<1.5	<.04	<.1	**.10**	<.03	<.08	<.25
10-10-00	<.12	<.11	**E.04**	<.06	<.02	<1.5	<.04	<.2	**E.06**	<.03	<.08	<.35
04-24-01	<5.0	--	<.50	<1.0	<.50	**E2.3**	--	--	<1.0	**E.07**	--	--
Little Sac River at Farm Road 125 (site 5)												
01-24-00	<0.10	<0.08	**0.09**	<0.06	<0.02	<2.0	<0.04	<0.2	**0.04**	<0.03	<0.08	<0.30
02-28-00	<.12	<.08	**.09**	<.06	<.02	<1.5	<.04	<.1	<.04	<.03	<.08	<.25
03-28-00	<.12	<.08	**E.07**	<.06	<.02	**E1.3**	<.04	<.1	**.08**	<.03	<.08	<.25
07-05-00	<.12	**E.10**	**E.04**	<.06	<.02	<1.5	<.04	<.1	<.04	<.03	<.08	<.25
10-10-00	<.12	<.11	<.08	<.06	<.02	<1.5	<.04	<.2	<.08	<.03	<.08	<.35
04-24-01	<5.0	--	<.50	<1.0	<.50	**E.84**	--	--	<1.0	<.50	--	--
Little Sac River near Walnut Grove (site 6)												
01-24-00	<0.10	<0.08	<0.06	<0.06	<0.02	<2.0	<0.04	<0.2	<0.03	<0.03	<0.08	<0.30
02-28-00	<.12	<.08	**E.07**	<.06	<.02	**E2.5**	<.04	<.1	<.04	<.03	<.08	<.25
03-28-00	<.12	<.08	<.08	<.06	<.02	<1.5	<.04	<.1	<.04	<.03	<.08	<.25
07-05-00	<.12	<.08	**E.07**	<.06	<.02	<1.5	<.04	<.1	<.04	<.03	<.08	<.25
10-10-00	<.12	<.11	<.08	<.06	<.02	<1.5	<.04	<.2	<.08	<.03	<.08	<.35
04-24-01	<5.0	--	<.50	<1.0	<.50	<2.0	--	--	<1.0	<.50	--	--

Table 4. Concentrations of organic compounds associated with wastewater—Continued

Date	BHA	BHT	Caffeine	Carbaryl	Chlor-pyrifos	Choles-terol	cis-Chlor-dane	Codeine	Cotinine	Diazinon	Dieldrin	Diethyl phthalate
North Dry Sac River at sod farm (site 7)												
01-24-00	<0.10	<0.08	<0.06	<0.06	<0.02	<2.0	<0.04	<0.2	<0.03	<0.03	<0.08	<0.30
03-28-00	<.12	<.08	<.08	<.06	<.02	<1.5	<.04	<.1	<.04	<.03	<.08	<.25
07-06-00	<.12	<.08	<.08	<.06	<.02	<1.5	<.04	<.1	<.04	<.03	<.08	<.25
10-10-00	<.12	<.11	<.08	<.06	<.02	<1.5	<.04	<.2	<.08	<.03	<.08	<.35
Asher Creek near mouth (site 8)												
03-28-00	<0.12	<0.08	<0.08	<0.06	<0.02	**E0.60**	<0.04	<0.1	<0.04	<0.03	<0.08	<0.25
07-06-00	<.12	<.08	<.08	<.06	<.02	<1.5	<.04	<.1	<.04	<.03	<.08	<.25
10-10-00	<.12	<.11	<.08	<.06	<.02	<1.5	<.04	<.2	<.08	<.03	<.08	<.35
Little Sac River near Morrisville (site 9)												
01-24-00	<0.10	<0.08	<0.06	<0.06	<0.02	<2.0	<0.04	<0.2	<0.03	<0.03	<0.08	<0.30
03-28-00	<.12	<.08	<.08	<.06	<.02	**E.70**	<.04	<.1	<.04	<.03	<.08	<.25
07-06-00	<.12	<.08	<.08	<.06	<.02	<1.5	<.04	<.1	<.04	<.03	<.08	<.25
10-10-00	<.12	<.11	<.08	<.06	<.02	<1.5	<.04	<.2	<.08	<.03	<.08	<.35

Table 4. Concentrations of organic compounds associated with wastewater—Continued

Date	Ethanol, 2-butoxy phosphate	Fluoran-thene	Lindane	Methyl para-thion	N,N-di-ethyl-tolua-mide	Naph-thalene	NPEO1	NPEO2	OPEO1	OPEO2	para-Cresol
South Dry Sac River at Farm Road 141 (site 1)											
01-24-00	<0.07	<0.03	<0.05	<0.06	**0.27**	<0.03	<0.08	<1.0	<0.10	<0.02	**0.04**
02-28-00	<.07	<.03	<.05	<.06	**.08**	<.03	<1.0	<1.1	<.10	<.02	<.03
03-28-00	**.19**	<.03	<.05	<.06	**E.04**	<.03	<1.0	<1.1	<.10	<.02	<.03
07-05-00	**.73**	<.03	<.05	<.06	**8.02**	<.03	<1.0	<1.1	<.10	<.20	<.03
10-10-00	<.20	<.03	<.05	<.06	<.08	**.03**	**E.28**	<1.1	**E.09**	<.02	<.06
04-24-01	<.50	<.50	--	--	**E.10**	<.05	--	<5.0	--	<1.0	<1.0
Little Sac River at Farm Road 141 (site 2)											
01-24-00	<0.07	<0.03	<0.05	<0.06	**0.23**	<0.03	<0.08	<1.0	<0.10	<0.20	<0.03
03-28-00	<.07	<.03	<.05	<.06	<.04	<.03	<1.0	<1.1	<.10	<.20	<.03
07-05-00	**.47**	<.03	<.05	<.06	**.24**	<.03	<1.0	<1.1	<.10	<.20	<.03
10-10-00	<.20	<.03	<.05	<.06	<.08	<.025	<1.0	<1.1	<.12	<.20	<.06
Little Sac River at Ritter Spring (site 3)											
01-24-00	<0.07	<0.03	<0.05	<0.06	<0.04	<0.03	<0.08	<1.0	<0.10	<0.20	<0.03
03-28-00	<.07	<.03	<.05	<.06	**E.03**	<.03	<1.0	<1.1	<.10	<.20	<.03
07-05-00	<.07	<.03	<.05	<.06	**.12**	<.03	<1.0	<1.1	<.10	<.20	<.03
10-10-00	<.20	<.03	<.05	<.06	<.08	**.04**	<1.0	<1.1	<.12	<.20	<.06

Table 4. Concentrations of organic compounds associated with wastewater—Continued

Date	Ethanol, 2-butoxy phosphate	Fluoran-thene	Lindane	Methyl para-thion	N,N-di-ethyl-tolua-mide	Naph-thalene	NPEO1	NPEO2	OPEO1	OPEO2	para-Cresol
Effluent from the Northwest Wastewater Treatment Plant (site 4)											
01-24-00	<0.07	**0.04**	<0.05	<0.06	<0.04	**E0.02**	**E3.3**	**E5.5**	**E0.41**	**E0.08**	**0.12**
02-28-00	<.07	<.03	<.05	<.06	**.04**	<.03	<1.0	<1.1	<.10	<.02	**.10**
03-28-00	<.07	**E.03**	<.05	<.06	**E.04**	<.03	**E2.5**	**E2.4**	<.10	<.02	**.16**
07-05-00	**.30**	**.04**	<.05	<.06	**.92**	<.03	<1.0	<1.1	**E.26**	<.20	**.03**
10-10-00	<.20	<.03	**.05**	<.06	**.08**	**.03**	**E3.0**	**E4.4**	**E.60**	**E.10**	**.07**
04-24-01	**E.20**	<.50	--	--	**E.44**	<.05	--	**E2.6**	--	<1.0	**1.0**
Little Sac River at Farm Road 125 (site 5)											
01-24-00	<0.07	<0.03	<0.05	<0.06	**1.86**	<0.03	<0.08	<1.0	<0.10	<0.02	<0.03
02-28-00	<.07	<.03	<.05	<.06	**.14**	<.03	<1.0	<1.1	<.10	<.02	<.03
03-28-00	**.30**	<.03	<.05	<.06	**.08**	<.03	<1.0	<1.1	<.10	<.20	**E.03**
07-05-00	**.23**	<.03	<.05	<.06	**.71**	<.03	<1.0	<1.1	<.10	<.20	<.03
10-10-00	<.20	<.03	<.05	<.06	**E.08**	**.05**	**E1.0**	**E1.2**	**E.26**	<.02	<.06
04-24-01	<.50	<.50	--	--	**E.20**	<.50	--	<5.0	--	<1.0	<1.0
Little Sac River near Walnut Grove (site 6)											
01-24-00	<0.07	<0.03	<0.05	<0.06	**0.08**	<0.03	<0.08	<1.0	<0.10	<0.02	<0.03
02-28-00	<.07	<.03	<.05	<.06	**.06**	<.03	<1.0	<1.1	<.10	<.02	<.03
03-28-00	<.07	<.03	<.05	<.06	**E.04**	<.03	<1.0	<1.1	<.10	<.02	<.03
07-05-00	**.68**	<.03	<.05	<.06	**.24**	<.03	<1.0	<1.1	<.10	<.20	<.03
10-10-00	<.20	<.03	<.05	<.06	**E.07**	<.25	**E.56**	**E.75**	**E.13**	<.02	<.06
04-24-01	**E.22**	<.50	--	--	**E.08**	<.50	--	<5.0	--	<1.0	<1.0

Table 4. Concentrations of organic compounds associated with wastewater—Continued

Date	Ethanol, 2-butoxy phosphate	Fluoran-thene	Lindane	Methyl para-thion	N,N-di-ethyl-tolua-mide	Naph-thalene	NPEO1	NPEO2	OPEO1	OPEO2	para-Cresol
North Dry Sac River at sod farm (site 7)											
01-24-00	<0.07	<0.03	<0.05	<0.06	<0.04	<0.03	<0.08	<1.0	<0.10	<0.20	<0.03
03-28-00	<.07	<.03	<.05	<.06	<.04	<.03	<1.0	<1.1	<.10	<.20	<.03
07-06-00	<.07	<.03	<.05	<.06	**.07**	<.03	<1.0	<1.1	<.10	<.02	<.03
10-10-00	<.20	<.03	<.05	<.06	<.08	<.025	<1.0	<1.1	<.12	<.20	<.06
Asher Creek near mouth (site 8)											
03-28-00	<0.07	<0.03	<0.05	<0.06	<0.04	<0.03	<1.0	<1.0	<0.10	<0.20	<0.03
07-06-00	<.07	<.03	<.05	<.06	**.07**	<.03	<1.0	<1.0	<.10	<.02	<.03
10-10-00	<.20	<.03	<.05	<.06	<.08	<.025	**E.47**	**E.60**	**E.12**	<.20	<.06
Little Sac River near Morrisville (site 9)											
01-24-00	<0.07	<0.03	<0.05	<0.06	<0.04	<0.03	<0.08	<1.0	<0.10	<0.20	<0.03
03-28-00	<.07	<.03	<.05	<.06	<.08	<.03	<1.0	<1.1	<.10	<.20	<.03
07-06-00	<.07	<.03	<.05	<.06	**.08**	<.03	<1.0	<1.1	<.10	<.02	<.03
10-10-00	<.20	<.03	<.05	<.06	<.08	<.025	**E.53**	<1.1	**E.17**	<.20	<.06

Table 4. Concentrations of organic compounds associated with wastewater—Continued

Date	para-Nonyl-phenol, total	Phenan-threne	Phenol	Phthalic anhydride	Pyrene	Stigma-stanol	Tetrachloro-ethylene	Tri(2-chloro-ethyl) phosphate	Tri(di-ch-lorisopro-pyl) phos-phate	Triclosan	Triphenyl phosphate
South Dry Sac River at Farm Road 141 (site 1)											
01-24-00	<0.50	<0.06	**0.41**	<0.30	<0.03	<2.0	<0.03	<0.04	<0.10	<0.08	<0.10
02-28-00	<.50	<.06	**.47**	<.15	<.03	<2.0	<.03	<.04	<.10	<.04	<.10
03-28-00	<.50	<.06	**.26**	**E.52**	<.03	<2.0	<.03	<.04	<.10	<.04	**E.02**
07-05-00	<.50	<.06	**.25**	**E.41**	<.03	<2.0	<.03	<.04	<.10	**.11**	<.10
10-10-00	<.70	<.05	**E.32**	<.35	<.03	<2.0	<.03	<.04	<.10	<.05	<.10
04-24-01	<5.0	<.50	**E.48**	--	<.50	<2.0	<.50	<.50	<.50	<1.0	<.50
Little Sac River at Farm Road 141 (site 2)											
01-24-00	<0.50	<0.06	**0.21**	<0.30	<0.03	<2.0	<0.03	<0.04	<0.10	<0.08	<0.10
03-28-00	<.50	<.06	**.73**	<.15	<.03	<2.0	<.03	<.04	<.10	<.04	<10
07-05-00	<.50	<.06	<.08	<.15	<.03	<2.0	<.03	**E.03**	<.10	**.05**	<10
10-10-00	<.70	<.05	<.45	<.35	<.03	<2.0	<.03	<.04	<.10	**E.04**	<.10
Little Sac River at Ritter Spring (site 3)											
01-24-00	<0.50	<0.06	**0.23**	<0.30	<0.03	<2.0	<0.03	<0.04	<0.10	<0.08	<0.10
03-28-00	<.50	**E.02**	<.08	<.15	<.03	<2.0	<.03	<.04	<.10	<.04	<.10
07-05-00	<.50	<.06	<.08	<.15	<.03	<2.0	<.03	<.04	<.10	<.04	<10
10-10-00	<.70	<.05	**E.60**	<.35	<.03	<2.0	<.03	<.04	<.10	<.05	<.10

Table 4. Concentrations of organic compounds associated with wastewater—Continued

Date	para-Nonyl-phenol, total	Phenan-threne	Phenol	Phthalic anhydride	Pyrene	Stigma-stanol	Tetrachloro-ethylene	Tri(2-chloro-ethyl) phosphate	Tri(di-ch-lorisopro-pyl) phos-phate	Triclosan	Triphenyl phosphate
Effluent from the Northwest Wastewater Treatment Plant (site 4)											
01-24-00	**E0.37**	**E0.02**	**0.30**	**1.59**	**0.04**	<2.0	**0.04**	**0.59**	**0.51**	**0.42**	**0.16**
02-28-00	<.50	<.06	<.08	**.62**	<.03	<2.0	<.03	**.30**	<.10	**.12**	**E.09**
03-28-00	**E1.03**	<.06	**.26**	**E1.01**	<.03	<2.0	**.08**	**.48**	<.10	**.33**	**E.10**
07-05-00	**E.43**	<.06	**.88**	**E.69**	<.03	<2.0	<.03	**.40**	<.10	**.30**	**.13**
10-10-00	**E.48**	<.05	**E.24**	**E.60**	<.03	<2.0	<.03	**.40**	<.10	**.16**	<.10
04-24-01	<5.0	<.50	**E1.0**	--	<.50	<2.0	<.50	**E.33**	**E.23**	**E.14**	<.50
Little Sac River at Farm Road 125 (site 5)											
01-24-00	<0.50	<0.06	**0.36**	0.31	<0.03	<2.0	<0.03	**0.16**	<0.10	**E0.07**	<0.10
02-28-00	<.50	<.06	<.08	<.15	<.03	<2.0	<.03	**.20**	<.10	<.04	**E.06**
03-28-00	<.50	<.06	**.14**	**E.74**	<.03	<2.0	<.03	**.16**	<.10	**.15**	**E.02**
07-05-00	<.50	<.06	**.70**	**E.35**	<.03	<2.0	<.03	**.06**	<.10	**.16**	**1.73**
10-10-00	**E.32**	<.05	**E.34**	**E.48**	<.03	<2.0	<.03	**.18**	<.10	**.07**	<.10
04-24-01	<5.0	<.50	**E.33**	--	<.50	<2.0	<.50	**E.12**	**E.08**	<1.0	<.50
Little Sac River near Walnut Grove (site 6)											
01-24-00	<0.50	<0.06	**0.46**	**0.46**	<0.03	<2.0	<0.03	**0.12**	<0.10	<0.08	<0.10
02-28-00	<.50	<.06	<.08	<.15	<.03	<2.0	<.03	**.12**	<.10	<.04	**E.04**
03-28-00	<.50	<.06	<.08	<.15	<.03	<2.0	<.03	**.08**	<.10	<.04	<.10
07-05-00	<.50	<.06	**.22**	<.15	<.03	<2.0	<.03	**.06**	<.10	**.05**	**E.02**
10-10-00	**E.22**	<.05	**E.38**	<.35	<.03	<2.0	<.03	**.11**	<.10	<.05	<.10
04-24-01	<5.0	<.50	**E.38**	--	<.50	<2.0	<.50	**E.05**	<.50	<1.0	<.50

Table 4. Concentrations of organic compounds associated with wastewater—Continued

Date	para-Nonyl-phenol, total	Phenan-threne	Phenol	Phthalic anhydride	Pyrene	Stigma-stanol	Tetrachloro-ethylene	Tri(2-chloro-ethyl) phosphate	Tri(di-ch-lorisopro-pyl) phos-phate	Triclosan	Triphenyl phosphate
North Dry Sac River at sod farm (site 7)											
01-24-00	<0.50	<0.06	**0.38**	<0.30	<0.03	<2.0	<0.03	<0.04	<0.10	<0.08	<0.10
03-28-00	<.50	<.06	<.08	**E1.04**	<.03	<2.0	<.03	<.04	<.10	<.04	<10
07-06-00	<.50	<.06	<.08	<.15	<.03	<2.0	<.03	<.04	<.10	<.04	<.10
10-10-00	<.70	<.05	**E.31**	<.35	<.03	<2.0	<.03	<.04	<.10	<.05	<.10
Asher Creek near mouth (site 8)											
03-28-00	<0.50	<0.06	<0.08	<0.15	<0.03	<2.0	<0.03	<0.04	<0.10	<0.04	<10
07-06-00	<.50	<.06	<.08	<.15	<.03	<2.0	<.03	<.04	<.10	**.04**	<.10
10-10-00	<.70	<.05	<.45	<.35	<.03	<2.0	<.03	<.04	<.10	<.05	<.10
Little Sac River near Morrisville (site 9)											
01-24-00	<0.50	<0.06	**0.23**	<0.30	<0.03	<2.0	<0.03	<0.04	<0.10	<0.08	<0.10
03-28-00	<.50	<.06	<.08	<.15	<.03	<2.0	<.03	**.06**	<.10	<.04	<10
07-06-00	<.50	<.06	<.08	<.15	<.03	<2.0	<.03	<.04	<.10	<.04	<.10
10-10-00	**E.20**	<.05	<.45	<.35	<.03	<2.0	<.03	**.07**	<.10	**.08**	<.10