

AREAL ASSESSMENT INDEX WELLS (SHALLOW MONITORING WELLS)

**STATISTICAL SUMMARY FOR FIELD PARAMETERS, MAJOR AND TRACE ELEMENTS, NUTRIENTS, BACTERIA, SEDIMENT, AND RADIONUCLIDE
DATA COLLECTED FROM NOV 2001 TO AUG 2007**

WATER-QUALITY CONSTITUENT	DESCRIPTIVE STATISTICS				PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN				
	SAMPLE SIZE	MAXIMUM	MINIMUM	MEAN	95%	75%	(MEDIAN) 50%	25%	5%
72020 Elevation above NGVD ft	477	1470	1340	1390	1440	1410	1390	1370	1350
72019 WaterLevel, BelowLSD ft	476	56.3	1.42	18	38.3	23.4	15.6	10.2	4.85
00010 Temperature, water deg C	476	18.9	12.8	15.7	17.1	16.2	15.7	15.2	14.5
00020 Temperature, air deg C	468	39.5	-2	23.2	34.5	29	25.5	18.5	6
00025 Air pressure mm/Hg	424	738	714	727	733	730	727	725	719
00300 Dissolved oxygen mg/l	467	9.71	0.07	1.66	5.98	2.4	0.6	0.22	0.1
00400 pH std units	477	7.55	5.63	6.7	7.2	6.95	6.76	6.51	6
00403 pH, wu,lab std units	415	7.92	5.68	6.85	7.31	7.07	6.91	6.69	6.16
00095 Specific cond at 25C uS/cm @25C	477	2310	108	934	1890	1230	863	566	210
90095 SpecCond,wu25degCLab uS/cm @25C	415	2220	2.25	909	1860	1190	827	565	206
63001 Redox potential, raw mV	463	520	-180	129	380	270	140	-36	-91.8
63002 Redox potential, SHE mV	465	700	30	339	600	480	350	170	120
63675 Turbidity, Nephelom NTU	366	114	0.09	3.09	11.5	3.21	0.977	0.339	0.14
63676 Turbidity, NephRatio NTRU	465	26.1	--	1.691*	*7.921	*1.855	*0.680	*0.280	*0.068
00901 Carbonate hardness, wu mg/l CaCO3	366	717	26.1	307	583	392	311	203	48.3
00900 Hardness, water mg/l CaCO3	414	717	26.1	308	573	391	313	204	78.5
00915 Calcium, wf mg/l	415	219	7.41	94.2	173	120	93.9	62.4	24
00925 Magnesium, wf mg/l	415	41.4	1.85	17.6	35.1	23.2	16.4	10.9	4.51
00935 Potassium, wf mg/l	415	12.7	0.84	3.83	6.8	4.71	3.54	2.64	1.32
00930 Sodium, wf mg/l	415	330	12.5	89.9	260	125	67	40.2	20.4
00419 ANC, wu, inflection pt,field mg/l CaCO3	35	357	28	206	351	275	204	142	28.3
39086 Alkalinity, wf,inflect,field mg/l CaCO3	11	349	115	229	349	268	230	194	115
39087 Alkalinity, wf,inflect pt,lab mg/l CaCO3	365	376	28	210	347	273	213	160	49.8
00453 Bicarbonate,wf,inflect pt,fld mg/l	11	425	140	279	425	327	281	236	140
29806 HCO3, wf, inflection pt, lab mg/l	366	458	34	255	423	331	259	195	59.9
00450 Bicarbonate,wu,inflect pt,fld mg/l	35	435	34.2	251	428	336	249	174	34.5
00452 Carbonate, wf,inflect pt,fld mg/l	11	0	--	--	--	--	--	--	--
29809 CO3, wf, inflection pt, lab mg/l	366	1	0	0.014	0	0	0	0	0
00447 Carbonate, wu, inflect pt,fld mg/l	35	0	--	--	--	--	--	--	--
00940 Chloride, wf mg/l	413	773	3.35	78.8	352	102	43	16	6
00950 Fluoride, wf mg/l	409	0.92	0.02	0.387	0.72	0.51	0.38	0.25	0.09
00955 Silica, wf mg/l	415	36.6	8.98	20	29.1	22.5	19.6	16.9	13.3
00945 Sulfate, wf mg/l	406	770	3.85	154	456	201	109	46.2	11.6
00500 ROE at 105C, wu mg/l	149	1550	118	623	1310	775	558	378	154

70300	Residue, ROE@180C,wf mg/l	415	2700	97	617	1240	804	545	368	188
70301	Residue, wf, sum mg/l	381	1570	111	610	1220	789	542	374	223
00530	Residue,total nonflt mg/l	366	46.5	--	2.917*	*9.460	*3.277	*1.508	*0.694	*0.226
00623	Ammonia + organic-N, wf mg/l as N	55	2.16	0.062	0.212	0.877	0.177	0.115	0.093	0.064
00625	NH3+orgN, wu mg/l as N	55	2.16	0.068	0.261	1.01	0.243	0.151	0.117	0.079
00608	Ammonia, wf mg/l as N	421	3.22	--	0.104*	*0.269	*0.130	*0.040	*0.019	*0.006
00618	Nitrate, wf mg/l as N	369	23.8	--	3.671*	*18.800	*5.260	*0.240	*0.018	*0.001
00631	NO3+NO2, wf mg/l as N	419	23.8	--	4.100*	*19.900	*6.120	*0.460	*0.031	*0.004
00613	Nitrite, wf mg/l as N	415	3.52	--	0.022*	*0.031	*0.007	*0.002	*0.001	*0.000
00671	Orthophosphate, wf mg/l as P	415	10.8	--	0.113*	*0.240	*0.080	*0.040	*0.012	*0.004
00666	Phosphorus, wf mg/l	421	4.9	--	0.164*	*0.394	*0.170	*0.097	*0.050	*0.023
00665	Phosphorus, wu mg/l	55	2.93	--	0.228*	*1.732	*0.164	*0.060	*0.031	*0.020
00680	Organic carbon, wu mg/l	196	17.4	0.33	1.43	5.03	1.46	1.01	0.712	0.45
90915	Clostridium perfring cfu/100ml	40	--	--	--	--	--	--	--	--
90903	Coliphage,E coli,C13 pfu/100ml	68	--	--	--	--	--	--	--	--
90904	Coliphage,E coli,FAM pfu/100ml	68	--	--	--	--	--	--	--	--
90902	E. coli, modif m-TEC cfu/100ml	5	--	--	--	--	--	--	--	--
31648	Escherichia coli, m-TEC MF cfu/100ml	9	--	--	--	--	--	--	--	--
31625	Fecal coliform, M-FC MF, 0.7u cfu/100ml	380	--	--	--	--	--	--	--	--
31504	Total coliform, LES Endo,imm cfu/100ml	366	368	--	7.329*	*30.900	*1.000	*0.163	*0.021	*0.001
01106	Aluminum, wf ug/l	196	51.1	--	5.660*	*11.518	*7.002	*4.889	*3.087	*1.667
01095	Antimony, wf ug/l	196	1.31	--	0.158*	*0.589	*0.189	*0.094	*0.047	*0.017
01000	Arsenic, wf ug/l	397	55	--	4.037*	*13.904	*5.300	*1.887	*0.879	*0.280
01005	Barium, wf ug/l	196	427	27.2	142	377	161	119	75	42.4
01010	Beryllium, wf ug/l	196	--	--	--	--	--	--	--	--
01020	Boron, wf ug/l	197	267	10	59.5	129	68.9	53	38.5	20
71870	Bromide, wf mg/l	360	123	--	0.455*	*0.299	*0.157	*0.085	*0.050	*0.020
01025	Cadmium, wf ug/l	196	1.44	--	0.102*	*0.289	*0.108	*0.048	*0.026	*0.010
01030	Chromium, wf ug/l	196	12.1	--	1.081*	*3.404	*1.595	*0.498	*0.180	*0.056
01035	Cobalt, wf ug/l	48	19.6	0.1	1.46	6.27	2.01	0.408	0.263	0.119
01040	Copper, wf ug/l	196	6.91	--	1.228*	*3.003	*1.473	*0.988	*0.610	*0.297
00723	Cyanide, wf mg/l	147	--	--	--	--	--	--	--	--
01046	Iron, wf ug/l	415	40700	--	2411.893*	*9155.201	*1840.000	*51.000	*6.000	*0.311
01049	Lead, wf ug/l	196	3.43	--	0.150*	*0.470	*0.146	*0.068	*0.031	*0.010
01056	Manganese, wf ug/l	414	1490	--	265.103*	*967.750	*392.750	*88.485	*6.377	*0.411
71890	Mercury, wf ug/l	148	--	--	--	--	--	--	--	--
01060	Molybdenum, wf ug/l	48	15.3	0.27	4.08	10.1	5.41	3.16	1.51	0.586
01065	Nickel, wf ug/l	196	188	--	4.480*	*7.893	*3.501	*1.215	*0.486	*0.137
01145	Selenium, wf ug/l	188	85.5	--	4.199*	*21.575	*2.472	*0.701	*0.163	*0.028
01075	Silver, wf ug/l	196	--	--	--	--	--	--	--	--
01080	Strontium, wf ug/l	148	2150	69.1	803	1680	1090	754	456	97.7
01057	Thallium, wf ug/l	148	--	--	--	--	--	--	--	--
01085	Vanadium, wf ug/l	148	10.5	--	1.983*	*6.555	*2.506	*1.360	*0.743	*0.316
01090	Zinc, wf ug/l	196	87.5	--	5.131*	*13.050	*6.378	*2.622	*1.048	*0.419

75987	Alpha 2scu, wf,Th230 pCi/L	51	13.2	0.4	4.54	9.04	5.32	4.57	3.03	0.552
04126	Alpha activity, wf, Th-230 pCi/L	80	43.7	-0.34	5.11	17.1	6.64	3.19	1.26	0.091
75989	Beta 2scu, wf,Cs137 pCi/L	51	10.7	0.79	3.27	6.06	4.09	3.13	2.06	1.01
03515	Gross beta, wf,Cs-137 pCi/L	80	44.1	0.98	6.95	15.7	8.47	5.99	3.66	1.55
22703	Uranium, wf ug/l	48	33.5	0.018	3.12	11.5	3.49	1.64	0.496	0.027

* - VALUE IS ESTIMATED BY USING A LOG-PROBABILITY REGRESSION TO PREDICT THE VALUES OF DATA BELOW THE DETECTION LIMIT

STATISTICAL SUMMARY OF ARSENIC SPECIATION DATA COLLECTED FROM NOV 2001 TO JUL 2007

WATER-QUALITY CONSTITUENT	DESCRIPTIVE STATISTICS				PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN				
	SAMPLE SIZE	MAXIMUM	MINIMUM	MEAN	95%	75%	(MEDIAN) 50%	25%	5%
62453 Arsenate, wf ug/L as As	219	6.6	--	1.259*	*4.228	*1.534	*0.707	*0.425	*0.156
62452 Arsenite, wf ug/L as As	220	13.2	--	1.810*	*7.750	*2.496	*0.453	*0.134	*0.028
62455 Dimethylarsinate, wf ug/L as As	220	1.02	--	0.136*	*0.460	*0.154	*0.082	*0.041	*0.015
62454 Monomethylarsonate, wf ug/L as As	220	0.8	--	0.170*	*0.439	*0.224	*0.130	*0.081	*0.040

* - VALUE IS ESTIMATED BY USING A LOG-PROBABILITY REGRESSION TO PREDICT THE VALUES OF DATA BELOW THE DETECTION LIMIT

STATISTICAL SUMMARY OF TRIAZINE HERBICIDE SCREEN DATA COLLECTED FROM NOV 2001 TO JUL 2007

WATER-QUALITY CONSTITUENT	DESCRIPTIVE STATISTICS				PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN				
	SAMPLE SIZE	MAXIMUM	MINIMUM	MEAN	95%	75%	(MEDIAN) 50%	25%	5%
00095 Specific cond at 25C uS/cm @25C	348	2170	108	915	1880	1190	851	559	205
34756 Triazines, ELISA, wf ugAtrazn/L	346	1.51	--	0.060*	*0.256	*0.057	*0.021	*0.008	*0.002

* - VALUE IS ESTIMATED BY USING A LOG-PROBABILITY REGRESSION TO PREDICT THE VALUES OF DATA BELOW THE DETECTION LIMIT

39480	p,p'-Methoxychlor, wu ug/l	55	--	--	--	--	--	--	--	--
39540	Parathion, wu ug/l	58	--	--	--	--	--	--	--	--
39516	PCBs, wu ug/l	55	--	--	--	--	--	--	--	--
39023	Phorate, wu ug/l	58	--	--	--	--	--	--	--	--
39400	Toxaphene, wu ug/l	55	--	--	--	--	--	--	--	--
39040	Tribuphos, wu ug/l	58	--	--	--	--	--	--	--	--

* - VALUE IS ESTIMATED BY USING A LOG-PROBABILITY REGRESSION TO PREDICT THE VALUES OF DATA BELOW THE DETECTION LIMIT

STATISTICAL SUMMARY OF ANTIBIOTIC DATA COLLECTED FROM JUN 2002 TO JUL 2002

WATER-QUALITY CONSTITUENT	DESCRIPTIVE STATISTICS				PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN				
	SAMPLE SIZE	MAXIMUM	MINIMUM	MEAN	95%	75%	(MEDIAN) 50%	25%	5%
62650 Anhydrochlortetracycline, gf.7 ug/l	10	--	--	--	--	--	--	--	--
62651 Anhydrotetracycline, w, gf<0.7u ug/l	10	--	--	--	--	--	--	--	--
61744 Chlorotetracycline, wf ug/l	10	--	--	--	--	--	--	--	--
62680 Demeclocycline, w, gf<.7u ug/l	10	--	--	--	--	--	--	--	--
62694 Doxycycline, w, gf<.7u ug/l	10	--	--	--	--	--	--	--	--
62717 Flumequine, w, gf<.7u ug/l	10	--	--	--	--	--	--	--	--
62751 Minocycline, w, gf<.7u ug/l	10	--	--	--	--	--	--	--	--
62757 Norfloxacin, w, gf<.7u ug/l	10	--	--	--	--	--	--	--	--
62759 Oxolinic acid, w, gf<.7u ug/l	10	--	--	--	--	--	--	--	--
61759 Oxytetracycline, wf ug/l	10	--	--	--	--	--	--	--	--
62771 Sarafloxacin, w, gf<.7u ug/l	10	--	--	--	--	--	--	--	--
62774 Sulfachlorpyridazine, gf<0.7u ug/l	10	--	--	--	--	--	--	--	--
62776 Sulfadimethoxine, w, gf<0.7u ug/l	10	--	--	--	--	--	--	--	--
62777 Sulfamerazine, w, gf<.7u ug/l	10	--	--	--	--	--	--	--	--
61762 Sulfamethazine, wf ug/l	10	--	--	--	--	--	--	--	--
62778 Sulfathiazole, w, gf<.7u ug/l	10	--	--	--	--	--	--	--	--
62781 Tetracycline, w, gf<.7u ug/l	10	--	--	--	--	--	--	--	--

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34704	cis-1,3-Dichloropropene, wu ug/l	91	--	--	--	--	--	--	--	--
32105	Dibromochloromethane, wu ug/l	91	--	--	--	--	--	--	--	--
30217	Dibromomethane, wu ug/l	91	--	--	--	--	--	--	--	--
34668	CFC-12, wu ug/l	91	--	--	--	--	--	--	--	--
34423	Dichloromethane, wu ug/l	91	--	--	--	--	--	--	--	--
34371	Ethylbenzene, wu ug/l	91	--	--	--	--	--	--	--	--
39702	Hexachlorobutadiene, wu ug/l	181	--	--	--	--	--	--	--	--
34396	Hexachloroethane, wu ug/l	90	--	--	--	--	--	--	--	--
77223	Isopropylbenzene, wu ug/l	91	--	--	--	--	--	--	--	--
34696	Naphthalene, wu ug/l	181	--	--	--	--	--	--	--	--
77342	n-Butylbenzene, wu ug/l	91	--	--	--	--	--	--	--	--
77224	n-Propylbenzene, wu ug/l	91	--	--	--	--	--	--	--	--
77350	sec-Butylbenzene, wu ug/l	91	--	--	--	--	--	--	--	--
77128	Styrene, wu ug/l	91	--	--	--	--	--	--	--	--
78032	MTBE, wu ug/l	91	--	--	--	--	--	--	--	--
77353	t-Butylbenzene, wu ug/l	91	--	--	--	--	--	--	--	--
34475	Tetrachloroethene, wu ug/l	91	--	--	--	--	--	--	--	--
32102	Tetrachloromethane, wu ug/l	91	--	--	--	--	--	--	--	--
34010	Toluene, wu ug/l	91	--	--	--	--	--	--	--	--
34546	trans-1,2-Dichloroethene, wu ug/l	91	--	--	--	--	--	--	--	--
34699	trans-1,3-Dichloropropene, wu ug/l	91	--	--	--	--	--	--	--	--
32104	Tribromomethane, wu ug/l	91	--	--	--	--	--	--	--	--
39180	Trichloroethene, wu ug/l	91	--	--	--	--	--	--	--	--
34488	CFC-11, wu ug/l	91	--	--	--	--	--	--	--	--
32106	Trichloromethane, wu ug/l	91	0.973	--	0.045*	*0.190	*0.036	*0.011	*0.004	*0.001
39175	Vinyl chloride, wu ug/l	91	--	--	--	--	--	--	--	--

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AREAL ASSESSMENT INDEX WELLS (DEEP MONITORING WELLS)

STATISTICAL SUMMARY FOR FIELD PARAMETERS, MAJOR AND TRACE ELEMENTS, NUTRIENTS, BACTERIA, SEDIMENT, AND RADIONUCLIDE
DATA COLLECTED FROM NOV 2001 TO JUL 2007

WATER-QUALITY CONSTITUENT	DESCRIPTIVE STATISTICS				PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN				
	SAMPLE SIZE	MAXIMUM	MINIMUM	MEAN	95%	75%	(MEDIAN) 50%	25%	5%
72020 Elevation above NGVD ft	455	1430	165	1380	1420	1410	1380	1360	1350
72019 WaterLevel, BelowLSD ft	455	57.9	4.5	22.6	42.6	29.4	20.8	14.3	8.71
00010 Temperature, water deg C	455	18.3	14.4	16	16.7	16.3	16.1	15.7	15.2
00020 Temperature, air deg C	443	43	-1	25.8	37	32.5	28	22	6
00025 Air pressure mm/Hg	400	738	714	727	734	730	727	725	720
00300 Dissolved oxygen mg/l	447	1.69	0.01	0.201	0.65	0.19	0.13	0.09	0.05
00400 pH std units	453	8.55	6.38	7.11	7.44	7.25	7.14	6.97	6.71
00403 pH, wu,lab std units	403	8.38	6.39	7.23	7.54	7.36	7.25	7.1	6.79
00095 Specific cond at 25C uS/cm @25C	455	4520	274	1020	1780	1160	855	663	304
90095 SpecCond,wu25degCLab uS/cm @25C	403	4420	276	1010	1780	1140	845	652	324
63001 Redox potential, raw mV	443	430	-180	28.1	290	120	-24	-82	-118
63002 Redox potential, SHE mV	445	640	50	237	500	330	180	130	90
63675 Turbidity, Nephelom NTU	357	149	0.073	3.14	10.5	3.35	1.11	0.365	0.129
63676 Turbidity, NephRatio NTRU	443	50.4	--	1.609*	*5.048	*1.910	*0.780	*0.260	*0.070
00901 Carbonate hardness, wu mg/l CaCO3	357	1310	83.7	308	652	349	258	197	114
00900 Hardness, water mg/l CaCO3	402	1310	83.8	330	695	358	261	200	114
00915 Calcium, wf mg/l	403	392	27.3	101	213	109	80	62.3	38.1
00925 Magnesium, wf mg/l	403	81.7	3.4	18.7	39.6	20.8	15.3	11	4.08
00935 Potassium, wf mg/l	403	10.9	1.34	3.63	5.91	4.04	3.46	2.68	1.86
00930 Sodium, wf mg/l	403	409	17.3	99.7	198	116	93.1	51.6	21.7
00419 ANC, wu, inflection pt,field mg/l CaCO3	3	245	134	--	--	--	--	--	--
39086 Alkalinity, wf,inflect,field mg/l CaCO3	13	262	134	206	262	250	200	182	134
39087 Alkalinity, wf,inflect pt,lab mg/l CaCO3	355	395	118	228	289	268	242	178	140
00453 Bicarbonate,wf,inflect pt,fld mg/l	13	320	164	249	320	295	244	222	164
29806 HCO3, wf, inflection pt, lab mg/l	357	482	21	277	355	327	295	217	169
00450 Bicarbonate,wu,inflect pt,fld mg/l	3	299	163	--	--	--	--	--	--
00452 Carbonate, wf,inflect pt,fld mg/l	13	0	--	--	--	--	--	--	--
29809 CO3, wf, inflection pt, lab mg/l	357	1	0	0.011	0	0	0	0	0
00447 Carbonate, wu, inflect pt,fld mg/l	3	0	--	--	--	--	--	--	--
00940 Chloride, wf mg/l	397	1460	2.61	138	337	124	71	22	5.67

00950	Fluoride, wf mg/l	398	0.75	0.02	0.392	0.65	0.47	0.384	0.3	0.14
00955	Silica, wf mg/l	403	29.6	15.8	22.4	27.6	24	22	20.5	18.4
00945	Sulfate, wf mg/l	394	585	3.19	106	372	113	70	40	9.3
00500	ROE at 105C, wu mg/l	145	3340	168	637	1270	717	540	393	199
70300	Residue, ROE@180C,wf mg/l	403	3230	159	668	2170	751	547	414	192
70301	Residue, wf, sum mg/l	360	2460	127	619	1160	702	542	414	215
00530	Residue,total nonflt mg/l	357	514	--	4.897*	*12.440	*4.000	*1.225	*0.435	*0.098
00623	Ammonia + organic-N, wf mg/l as N	46	0.308	--	0.159*	*0.307	*0.224	*0.139	*0.092	*0.059
00625	NH3+orgN, wu mg/l as N	46	1.2	--	0.194*	*0.362	*0.239	*0.189	*0.081	*0.054
00608	Ammonia, wf mg/l as N	403	1.01	--	0.125*	*0.270	*0.171	*0.120	*0.044	*0.025
00618	Nitrate, wf mg/l as N	354	9.61	--	0.434*	*3.418	*0.132	*0.011	*0.002	*0.000
00631	NO3+NO2, wf mg/l as N	403	9.61	--	0.458*	*3.656	*0.120	*0.020	*0.005	*0.000
00613	Nitrite, wf mg/l as N	398	0.2	--	0.006*	*0.023	*0.004	*0.001	*0.000	*0.000
00671	Orthophosphate, wf mg/l as P	398	0.35	--	0.058*	*0.210	*0.070	*0.030	*0.016	*0.006
00666	Phosphorus, wf mg/l	403	0.491	0.019	0.133	0.285	0.193	0.123	0.05	0.03
00665	Phosphorus, wu mg/l	46	0.316	0.022	0.114	0.264	0.184	0.094	0.033	0.024
00680	Organic carbon, wu mg/l	190	12.6	0.2	0.946	2.24	1.02	0.69	0.43	0.275
90915	Clostridium perfring cfu/100ml	38	--	--	--	--	--	--	--	--
90903	Coliphage,E coli,C13 pfu/100ml	47	--	--	--	--	--	--	--	--
90904	Coliphage,E coli,FAM pfu/100ml	47	--	--	--	--	--	--	--	--
90902	E. coli, modif m-TEC cfu/100ml	2	--	--	--	--	--	--	--	--
31648	Escherichia coli, m-TEC MF cfu/100ml	10	--	--	--	--	--	--	--	--
31625	Fecal coliform, M-FC MF, 0.7u cfu/100ml	369	--	--	--	--	--	--	--	--
31504	Total coliform, LES Endo,imm cfu/100ml	357	84	--	1.382*	*6.100	*0.303	*0.043	*0.006	*0.000
01106	Aluminum, wf ug/l	190	56.2	--	6.773*	*15.152	*8.419	*5.118	*3.210	*1.534
01095	Antimony, wf ug/l	190	0.375	--	0.095*	*0.217	*0.121	*0.080	*0.053	*0.030
01000	Arsenic, wf ug/l	382	23.9	--	7.402*	*19.000	*12.541	*5.975	*1.500	*0.731
01005	Barium, wf ug/l	190	1150	28.4	169	1060	135	90.1	62.2	36.1
01010	Beryllium, wf ug/l	190	--	--	--	--	--	--	--	--
01020	Boron, wf ug/l	190	115	10	49.6	74.3	58.6	47.8	38.7	23.7
71870	Bromide, wf mg/l	352	5.26	--	0.173*	*0.494	*0.100	*0.060	*0.040	*0.012
01025	Cadmium, wf ug/l	190	0.604	--	0.041*	*0.094	*0.047	*0.032	*0.022	*0.012
01030	Chromium, wf ug/l	190	11	--	1.052*	*3.677	*1.429	*0.482	*0.194	*0.061
01035	Cobalt, wf ug/l	46	3.48	0.08	0.96	3.29	1.26	0.467	0.268	0.131
01040	Copper, wf ug/l	190	4.09	--	0.913*	*2.278	*1.198	*0.713	*0.466	*0.235
00723	Cyanide, wf mg/l	144	--	--	--	--	--	--	--	--
01046	Iron, wf ug/l	403	15800	--	1563.458*	*12461.865	*1025.700	*102.400	*9.922	*0.998
01049	Lead, wf ug/l	190	2.02	--	0.157*	*0.735	*0.140	*0.063	*0.029	*0.009
01056	Manganese, wf ug/l	403	1450	0.114	441	1280	526	311	174	13.9
71890	Mercury, wf ug/l	144	--	--	--	--	--	--	--	--
01060	Molybdenum, wf ug/l	46	7.7	1.45	3.87	7.12	5.79	3.4	2.12	1.87

01065	Nickel, wf ug/l	190	34.2	--	1.499*	*5.612	*1.261	*0.634	*0.286	*0.086
01145	Selenium, wf ug/l	179	12.9	--	0.723*	*4.520	*0.453	*0.117	*0.030	*0.005
01075	Silver, wf ug/l	190	--	--	--	--	--	--	--	--
01080	Strontium, wf ug/l	144	4760	5.47	918	2010	1050	817	492	216
01057	Thallium, wf ug/l	144	--	--	--	--	--	--	--	--
01085	Vanadium, wf ug/l	144	5.6	--	1.422*	*3.475	*1.822	*1.150	*0.723	*0.381
01090	Zinc, wf ug/l	190	20	--	3.335*	*9.000	*5.670	*2.157	*0.867	*0.370
75987	Alpha 2scu, wf,Th230 pCi/L	49	19.1	1.23	4.29	7.41	5.4	3.89	2.21	1.44
04126	Alpha activity, wf, Th-230 pCi/L	77	11.5	-1.88	2.99	9.09	4.98	2.17	0.805	-0.517
75989	Beta 2scu, wf,Cs137 pCi/L	49	13.7	1.13	3.3	6.58	4.05	3.03	1.95	1.22
03515	Gross beta, wf,Cs-137 pCi/L	77	16.8	1.43	5.07	10.6	6.39	4.34	3.33	1.68
22703	Uranium, wf ug/l	46	6.16	0.04	2.15	5.47	4.47	0.396	0.123	0.044

* - VALUE IS ESTIMATED BY USING A LOG-PROBABILITY REGRESSION TO PREDICT THE VALUES OF DATA BELOW THE DETECTION LIMIT

STATISTICAL SUMMARY OF ARSENIC SPECIATION DATA COLLECTED FROM NOV 2001 TO JUL 2007

WATER-QUALITY CONSTITUENT	DESCRIPTIVE STATISTICS				PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN				
	SAMPLE SIZE	MAXIMUM	MINIMUM	MEAN	95%	75%	(MEDIAN) 50%	25%	5%
62453 Arsenate, wf ug/L as As	219	9.18	--	1.932*	*4.841	*2.719	*1.420	*0.742	*0.350
62452 Arsenite, wf ug/L as As	214	17.7	--	4.715*	*13.024	*8.741	*3.212	*0.470	*0.119
62455 Dimethylarsinate, wf ug/L as As	219	1.91	--	0.271*	*0.800	*0.385	*0.166	*0.093	*0.038
62454 Monomethylarsonate, wf ug/L as As	219	1.58	--	0.238*	*0.692	*0.328	*0.152	*0.083	*0.032

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STATISTICAL SUMMARY OF TRIAZINE HERBICIDE SCREEN DATA COLLECTED FROM NOV 2001 TO JUL 2007

WATER-QUALITY CONSTITUENT	DESCRIPTIVE STATISTICS				PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN				
	SAMPLE SIZE	MAXIMUM	MINIMUM	MEAN	95%	75%	(MEDIAN) 50%	25%	5%
00095 Specific cond at 25C uS/cm @25C	349	4520	274	964	1700	1150	845	658	312
34756 Triazines, ELISA, wf ugAtrazn/L	349	--	--	--	--	--	--	--	--

* - VALUE IS ESTIMATED BY USING A LOG-PROBABILITY REGRESSION TO PREDICT THE VALUES OF DATA BELOW THE DETECTION LIMIT

49302	Dichlorprop, w,gf<.7u ug/l	48	--	--	--	--	--	--	--
38454	Dicrotophos, wf ug/l	37	--	--	--	--	--	--	--
39381	Dieldrin, wf ug/l	47	--	--	--	--	--	--	--
82662	Dimethoate, w,gf<.7u ug/l	37	--	--	--	--	--	--	--
49301	Dinoseb, w,gf<.7u ug/l	48	--	--	--	--	--	--	--
82677	Disulfoton, w,gf<.7u ug/l	10	--	--	--	--	--	--	--
49300	Diuron, w,gf<.7u ug/l	48	--	--	--	--	--	--	--
82668	EPTC, w,gf<.7u ug/l	10	--	--	--	--	--	--	--
82663	Ethalfuralin, gf.7u ug/l	10	--	--	--	--	--	--	--
61644	Ethion monoxon, wf ug/l	37	--	--	--	--	--	--	--
82346	Ethion, wf ug/l	37	--	--	--	--	--	--	--
82672	Ethoprop, w,gf<.7u ug/l	10	--	--	--	--	--	--	--
61645	Fenamiphos sulfone, wf ug/l	37	--	--	--	--	--	--	--
61646	Fenamiphos sulfoxide, wf ug/l	37	--	--	--	--	--	--	--
61591	Fenamiphos, wf ug/l	37	--	--	--	--	--	--	--
49297	Fenuron, w,gf<.7u ug/l	48	--	--	--	--	--	--	--
62169	Desulfinylfipronil amide, wf ug/l	47	--	--	--	--	--	--	--
62167	Fipronil sulfide, wf ug/l	47	--	--	--	--	--	--	--
62168	Fipronil sulfone, wf ug/l	47	--	--	--	--	--	--	--
62166	Fipronil, wf ug/l	47	--	--	--	--	--	--	--
38811	Fluometuron, w,gf<.7u ug/l	48	--	--	--	--	--	--	--
61649	Fonofos oxon, wf ug/l	10	--	--	--	--	--	--	--
04095	Fonofos, wf ug/l	47	--	--	--	--	--	--	--
04025	Hexazinone, wf ug/l	37	--	--	--	--	--	--	--
61593	Iprodione, wf ug/l	36	--	--	--	--	--	--	--
61594	Isofenphos, wf ug/l	37	--	--	--	--	--	--	--
39341	Lindane, wf ug/l	10	--	--	--	--	--	--	--
38478	Linuron, w,gf<.7u ug/l	48	--	--	--	--	--	--	--
82666	Linuron, w,gf<.7u ug/l	10	--	--	--	--	--	--	--
61652	Malaaxon, wf ug/l	37	--	--	--	--	--	--	--
39532	Malathion, wf ug/l	47	--	--	--	--	--	--	--
38482	MCPA, w,gf<.7u ug/l	48	--	--	--	--	--	--	--
38487	MCPB, w,gf<.7u ug/l	48	--	--	--	--	--	--	--
61596	Metalaxyl, wf ug/l	37	--	--	--	--	--	--	--
61598	Methidathion, wf ug/l	37	--	--	--	--	--	--	--
38501	Mthiocrb, w,gf<.7u ug/l	48	--	--	--	--	--	--	--
49296	Methomyl, w,gf<.7u ug/l	41	--	--	--	--	--	--	--
61664	Methyl paraoxon, wf ug/l	37	--	--	--	--	--	--	--
82667	Methyl parathion, gf ug/l	47	--	--	--	--	--	--	--
39415	Metolachlor, wf ug/l	47	0.024	--	0.005*	*0.013	*0.006	*0.004	*0.003
82630	Metribuzin, wf ug/l	47	--	--	--	--	--	--	--
82671	Molinate, w,gf<.7u ug/l	10	--	--	--	--	--	--	--
61599	Myclobutanil, wf ug/l	37	--	--	--	--	--	--	--
82684	Napropamide,w,gf<.7u ug/l	10	--	--	--	--	--	--	--
49294	Neburon, w,gf<.7u ug/l	48	--	--	--	--	--	--	--
49293	Norflurazon, w,gf<.7u ug/l	48	--	--	--	--	--	--	--
49292	Oryzalin, w,gf<.7u ug/l	48	--	--	--	--	--	--	--

38866	Oxamyl, w,gf<.7u ug/l	44	--	--	--	--	--	--	--
34653	p,p'-DDE, wf ug/l	10	--	--	--	--	--	--	--
39542	Parathion, wf ug/l	10	--	--	--	--	--	--	--
82669	Pebulate, w,gf<.7u ug/l	10	--	--	--	--	--	--	--
82683	Pendimethalin, gf.7u ug/l	47	--	--	--	--	--	--	--
61666	Phorate oxon, wf ug/l	37	--	--	--	--	--	--	--
82664	Phorate, w,gf<.7u ug/l	47	--	--	--	--	--	--	--
61668	Phosmet oxon, wf ug/l	24	--	--	--	--	--	--	--
61601	Phosmet, wf ug/l	24	--	--	--	--	--	--	--
49291	Picloram, w,gf<.7u ug/l	48	--	--	--	--	--	--	--
04037	Prometon, wf ug/l	47	--	--	--	--	--	--	--
04036	Prometryn, wf ug/l	37	--	--	--	--	--	--	--
82676	Propyzamide,w,gf<.7u ug/l	47	--	--	--	--	--	--	--
04024	Propachlor, wf ug/l	10	--	--	--	--	--	--	--
82679	Propanil, w,gf<.7u ug/l	10	--	--	--	--	--	--	--
82685	Propargite, w,gf<.7u ug/l	10	--	--	--	--	--	--	--
49236	Propham, w,gf<.7u ug/l	48	--	--	--	--	--	--	--
38538	Propoxur, w,gf<.7u ug/l	48	--	--	--	--	--	--	--
04035	Simazine, wf ug/l	47	--	--	--	--	--	--	--
82670	Tebuthiuron,w,gf<.7u ug/l	48	--	--	--	--	--	--	--
82665	Terbacil, w,gf<.7u ug/l	10	--	--	--	--	--	--	--
61674	Terbufos oxon sulfone, wf ug/l	37	--	--	--	--	--	--	--
82675	Terbufos, w,gf<.7u ug/l	47	--	--	--	--	--	--	--
04022	Terbuthylazine, wf ug/l	37	--	--	--	--	--	--	--
82681	Thiobencarb,w,gf<.7u ug/l	10	--	--	--	--	--	--	--
82678	Triallate, w,gf<.7u ug/l	10	--	--	--	--	--	--	--
61610	Tribuphos, wf ug/l	18	--	--	--	--	--	--	--
49235	Triclopyr, w,gf<.7u ug/l	46	--	--	--	--	--	--	--
82661	Trifluralin,w,gf<.7u ug/l	47	--	--	--	--	--	--	--
39702	Hexachlorobutadiene, wu ug/l	48	--	--	--	--	--	--	--
38775	Dichlorvos, wf ug/l	37	--	--	--	--	--	--	--

ORGANOPHOSPHATES AND ORGANOCHLORIDE PESTICIDES + GROSS PCBs

39330	Aldrin, wu ug/l	48	--	--	--	--	--	--	--
39388	alpha-Endosulfan, wu ug/l	48	--	--	--	--	--	--	--
39786	Carbophenothion, wu ug/l	46	--	--	--	--	--	--	--
39350	Chlordane (technical), wu ug/l	48	--	--	--	--	--	--	--
38932	Chlorpyrifos, wu ug/l	46	--	--	--	--	--	--	--
39570	Diazinon, wu ug/l	46	--	--	--	--	--	--	--
39380	Dieldrin, wu ug/l	48	--	--	--	--	--	--	--
39011	Disulfoton, wu ug/l	46	--	--	--	--	--	--	--
39390	Endrin, wu ug/l	48	--	--	--	--	--	--	--
39398	Ethion, wu ug/l	46	--	--	--	--	--	--	--
82614	Fonofos, wu ug/l	46	--	--	--	--	--	--	--
39420	Heptachlor epoxide, wu ug/l	48	--	--	--	--	--	--	--
39410	Heptachlor, wu ug/l	48	--	--	--	--	--	--	--
39340	Lindane, wu ug/l	48	--	--	--	--	--	--	--

39530	Malathion, wu ug/l	46	--	--	--	--	--	--	--	--
39600	Methyl parathion, wu ug/l	46	--	--	--	--	--	--	--	--
39755	Mirex, wu ug/l	48	--	--	--	--	--	--	--	--
39360	p,p'-DDD, wu ug/l	48	--	--	--	--	--	--	--	--
39365	p,p'-DDE, wu ug/l	48	--	--	--	--	--	--	--	--
39370	p,p'-DDT, wu ug/l	48	--	--	--	--	--	--	--	--
39480	p,p'-Methoxychlor, wu ug/l	48	--	--	--	--	--	--	--	--
39540	Parathion, wu ug/l	46	--	--	--	--	--	--	--	--
39516	PCBs, wu ug/l	48	--	--	--	--	--	--	--	--
39023	Phorate, wu ug/l	46	--	--	--	--	--	--	--	--
39400	Toxaphene, wu ug/l	48	--	--	--	--	--	--	--	--
39040	Tribuphos, wu ug/l	46	--	--	--	--	--	--	--	--

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STATISTICAL SUMMARY OF ANTIBIOTIC DATA COLLECTED FROM JUN 2002 TO JUL 2002

WATER-QUALITY CONSTITUENT	DESCRIPTIVE STATISTICS				PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN				
	SAMPLE SIZE	MAXIMUM	MINIMUM	MEAN	95%	75%	(MEDIAN) 50%	25%	5%
62650 Anhydrochlortetracycline, gf.7 ug/l	10	--	--	--	--	--	--	--	--
62651 Anhydrotetracycline, w, gf<0.7u ug/l	10	--	--	--	--	--	--	--	--
61744 Chlorotetracycline, wf ug/l	10	--	--	--	--	--	--	--	--
62680 Demeclocycline, w, gf<.7u ug/l	10	--	--	--	--	--	--	--	--
62694 Doxycycline, w, gf<.7u ug/l	10	--	--	--	--	--	--	--	--
62717 Flumequine, w, gf<.7u ug/l	10	--	--	--	--	--	--	--	--
62751 Minocycline, w, gf<.7u ug/l	10	--	--	--	--	--	--	--	--
62757 Norfloxacin, w, gf<.7u ug/l	10	--	--	--	--	--	--	--	--
62759 Oxolinic acid, w, gf<.7u ug/l	10	--	--	--	--	--	--	--	--
61759 Oxytetracycline, wf ug/l	10	--	--	--	--	--	--	--	--
62771 Sarafloxacin, w, gf<.7u ug/l	10	--	--	--	--	--	--	--	--
62774 Sulfachlorpyridazine, gf<0.7u ug/l	10	--	--	--	--	--	--	--	--
62776 Sulfadimethoxine, w, gf<0.7u ug/l	10	--	--	--	--	--	--	--	--
62777 Sulfamerazine, w, gf<.7u ug/l	10	--	--	--	--	--	--	--	--
61762 Sulfamethazine, wf ug/l	10	--	--	--	--	--	--	--	--
62778 Sulfathiazole, w, gf<.7u ug/l	10	--	--	--	--	--	--	--	--
62781 Tetracycline, w, gf<.7u ug/l	10	--	--	--	--	--	--	--	--

* - VALUE IS ESTIMATED BY USING A LOG-PROBABILITY REGRESSION TO PREDICT THE VALUES OF DATA BELOW THE DETECTION LIMIT

34704	cis-1,3-Dichloropropene, wu ug/l	89	--	--	--	--	--	--	--	--
32105	Dibromochloromethane, wu ug/l	89	--	--	--	--	--	--	--	--
30217	Dibromomethane, wu ug/l	89	--	--	--	--	--	--	--	--
34668	CFC-12, wu ug/l	89	--	--	--	--	--	--	--	--
34423	Dichloromethane, wu ug/l	89	--	--	--	--	--	--	--	--
34371	Ethylbenzene, wu ug/l	89	--	--	--	--	--	--	--	--
39702	Hexachlorobutadiene, wu ug/l	161	--	--	--	--	--	--	--	--
34396	Hexachloroethane, wu ug/l	72	--	--	--	--	--	--	--	--
77223	Isopropylbenzene, wu ug/l	89	--	--	--	--	--	--	--	--
34696	Naphthalene, wu ug/l	161	--	--	--	--	--	--	--	--
77342	n-Butylbenzene, wu ug/l	89	--	--	--	--	--	--	--	--
77224	n-Propylbenzene, wu ug/l	89	--	--	--	--	--	--	--	--
77350	sec-Butylbenzene, wu ug/l	89	--	--	--	--	--	--	--	--
77128	Styrene, wu ug/l	89	--	--	--	--	--	--	--	--
78032	MTBE, wu ug/l	89	5.76	--	0.688*	*2.739	*0.808	*0.367	*0.167	*0.054
77353	t-Butylbenzene, wu ug/l	89	--	--	--	--	--	--	--	--
34475	Tetrachloroethene, wu ug/l	89	--	--	--	--	--	--	--	--
32102	Tetrachloromethane, wu ug/l	89	--	--	--	--	--	--	--	--
34010	Toluene, wu ug/l	89	--	--	--	--	--	--	--	--
34546	trans-1,2-Dichloroethene, wu ug/l	89	--	--	--	--	--	--	--	--
34699	trans-1,3-Dichloropropene, wu ug/l	89	--	--	--	--	--	--	--	--
32104	Tribromomethane, wu ug/l	89	--	--	--	--	--	--	--	--
39180	Trichloroethene, wu ug/l	89	--	--	--	--	--	--	--	--
34488	CFC-11, wu ug/l	89	--	--	--	--	--	--	--	--
32106	Trichloromethane, wu ug/l	89	--	--	--	--	--	--	--	--
39175	Vinyl chloride, wu ug/l	89	--	--	--	--	--	--	--	--

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