MISCELLANEOUS SURFACE WATER SITES

STATISTICAL SUMMARY FOR FIELD PARAMETERS, MAJOR AND TRACE ELEMENTS, NUTRIENTS, BACTERIA, SEDIMENT, AND RADIONUCLIDE
DATA COLLECTED FROM OCT 1995 TO MAR 2007

		DESCRIPTIVE STATISTICS				PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN				
		SAMPLE						(MEDIAN)		
	WATER-QUALITY CONSTITUENT	SIZE	MAXIMUM	MINIMUM	MEAN	95%	75%	50%	25%	5%
00061	Discharge, instant. cfs	28	6900	0.18	493	5270	53.4	20	4.13	0.257
00065	Gage height ft	56	15.7	0.12	5.33	8.76	6.9	5.05	4.99	0.517
00010	Temperature, water deg C	89	29.6	0.13	12.4	26.8	18.1	12.8	4.78	0.41
00020	Temperature, air deg C	74	36.5	-6	16.6	32.8	23.1	15.8	11	0
00025	Air pressure mm/Hg	86	737	714	726	734	729	726	724	718
00300	Dissolved oxygen mg/l	85	18.2	3.07	9.83	15.6	12.8	9.69	6.91	4.59
00400	pH std units	89	8.56	6.8	7.77	8.36	8.08	7.8	7.5	7.11
00403	pH, wu,lab std units	8	8.25	7.8	7.99	8.25	8.15	7.96	7.84	7.8
00095	Specific cond at 25C uS/cm @25C	89	3220	212	1080	1750	1460	1040	758	305
90095	SpecCond,wu25degCLab uS/cm @25C	8	1460	709	961	1460	988	922	856	709
63001	Redox potential, raw mV	13	353	64	229	353	334	215	151	64
63002	Redox potential, SHE mV	7	560	260	389	560	540	380	290	260
63675	Turbidity, Nephelom NTU	6	90.5	4.01	22.1	90.5	35.8	7.81	4.78	4.01
63676	Turbidity, NephRatio NTRU	8	860	4.87	252	860	564	11.6	6.05	4.87
63680	Turbidity, Form Neph FNU	10	1440	17.9	372	1440	1010	34.8	22.6	17.9
00901	Carbonate hardness, wu mg/l CaCO3	10	401	196	284	401	330	288	207	196
00900	Hardness, water mg/l CaCO3	12	401	196	283	401	305	285	221	196
00915	Calcium, wf mg/l	12	129	55.5	85.4	129	89.2	85.4	69.2	55.5
00925	Magnesium, wf mg/l	12	23.8	9.85	16.9	23.8	20.3	16.7	14.1	9.85
00935	Potassium, wf mg/l	12	11.7	5.55	8.52	11.7	11.1	8.1	5.95	5.55
00930	Sodium, wf mg/l	12	171	42.1	82.5	171	99.4	75.3	60.6	42.1
39087	Alkalinity, wf,inflect pt,lab mg/l CaCO3	10	331	178	240	331	276	240	190	178
29806	HCO3, wf, inflection pt, lab mg/l	10	404	217	293	404	336	293	232	217
29809	CO3, wf, inflection pt, lab mg/l	10	0	--	--	--	--	--	--	--
00940	Chloride, wf mg/l	12	258	29	106	258	122	102	69.7	29
00950	Fluoride, wf mg/l	10	0.74	0.26	0.431	0.74	0.595	0.38	0.278	0.26
00955	Silica, wf mg/l	10	21.9	10.1	15	21.9	17.1	14.8	12.4	10.1
00945	Sulfate, wf mg/l	12	77.1	30.8	59.4	77.1	69.9	64.5	47.3	30.8
70300	Residue, ROE@180C,wf mg/l	10	904	258	534	904	635	519	420	258
70301	Residue, wf, sum mg/l	10	890	332	545	890	624	505	453	332
00530	Residue,total nonflt mg/l	12	82	--	24.985*	*82.000	*38.750	*15.000	*6.752	*2.831
00623	Ammonia + organic-N, wf mg/l as N	2	0.515	0.427	--	--	--	--	--	--
00608	Ammonia, wf mg/l as N	12	0.2	0.011	0.079	0.2	0.115	0.065	0.035	0.011
00618	Nitrate, wf mg/l as N	12	15.8	0.1	3.38	15.8	6.49	1.37	0.177	0.1
00631	NO3+NO2, wf mg/l as N	12	15.8	0.1	3.39	15.8	6.53	1.37	0.183	0.1
00613	Nitrite, wf mg/l as N	12	--	--	--	--	--	--	--	--
00671	Orthophosphate, wf mg/l as P	12	3.07	0.339	1.04	3.07	1.97	0.503	0.4	0.339

00666	Phosphorus, wf mg/l	12	2.42	0.342	0.786	2.42	1.2	0.467	0.367	0.342
90909	Enterococci, mEI,w cfu/100ml	2	60600	57800	--	--	--	--	--	--
31648	Escherichia coli, m-TEC MF cfu/100ml	3	1180	426	--	--	--	--	--	--
31625	Fecal coliform, M-FC MF, 0.7u cfu/100ml	3	1080	275	--	--	--	--	--	--
01000	Arsenic, wf ug/l	12	10.9	3.5	6.95	10.9	9.69	6.55	3.99	3.5
71870	Bromide, wf mg/l	12	0.372	--	0.154*	*0.372	*0.225	*0.105	*0.082	*0.033
01046	Iron, wf ug/l	10	--	--	--	--	--	--	--	--
01056	Manganese, wf ug/l	10	375	12	138	375	234	127	15.3	12

* - 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 1995 TO MAR 2007

		DESCRIPTIVE STATISTICS				PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN				
		SAMPLE						(MEDIAN)		
	WATER-QUALITY CONSTITUENT	SIZE	MAXIMUM	MINIMUM	MEAN	95%	75%	50%	25%	5%
00065	Gage height ft	9	7.18	0.12	3.49	7.18	7.03	0.89	0.7	0.12
00061	Discharge, instant. cfs	56	4200	0.18	175	1050	48.3	19.4	14.6	2.23
00095	Specific cond at 25C uS/cm @25C	87	3220	91	799	1530	1210	734	325	134
34756	Triazines, ELISA, wf ugAtrazn/L	88	49.5	--	4.418*	*26.885	*4.555	*0.615	*0.122	*0.016

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

STATISTICAL SUMMARY OF COMMONLY USED PESTICIDES AND THEIR DEGRADATES COLLECTED FROM APR 1996 TO JUL 199€

		DESCRIPTIVE STATISTICS				PERCENT OF SAMPLES IN WHICH VALUES WERE LESS THAN OR EQUAL TO THOSE SHOWN				
		SAMPLE						(MEDIAN)		
	WATER-QUALITY CONSTITUENT	SIZE	MAXIMUM	MINIMUM	MEAN	95%	75%	50%	25%	5%
	SAMPLES ANALYZED BY THE ORGANIC GEOCHEMISTRY RESEARCH LABORATORY									
	TRIAZINE HERBICIDES ANALYZED BY GC/MS									
04040	CIAT, wf	14	1.11	0.1	0.491	1.11	0.76	0.39	0.278	0.1
04038	CEAT, wf	14	0.57	--	0.249*	*0.570	*0.380	*0.170	*0.142	*0.057
49260	Acetochlor, wf	14	--	--	--	--	--	--	--	--
46342	Alachlor, wf	14	10.2	--	1.549*	*10.190	*1.420	*0.565	*0.270	*0.044
38401	Ametryn, wf	14	--	--	--	--	--	--	--	--
39632	Atrazine, wf	13	26.4	1.69	7.36	26.4	10.3	4.94	3.55	1.69
61709	Cyanazine amide, wf	13	--	--	--	--	--	--	--	--
04041	Cyanazine, wf	14	0.35	--	0.077*	*0.350	*0.100	*0.038	*0.016	*0.005
39415	Metolachlor, wf	14	5.42	0.08	2.08	5.42	3.79	1.48	0.663	0.08
82630	Metribuzin, wf	14	0.19	--	0.042*	*0.190	*0.053	*0.021	*0.009	*0.003
04037	Prometon, wf	14	--	--	--	--	--	--	--	--
04036	Prometryn, wf	14	--	--	--	--	--	--	--	--
04024	Propachlor, wf	14	--	--	--	--	--	--	--	--
38535	Propazine, wf	14	0.29	--	0.076*	*0.290	*0.100	*0.050	*0.015	*0.005
04035	Simazine, wf	14	--	--	--	--	--	--	--	--
38888	Terbutryn, wf	14	--	--	--	--	--	--	--	--