

Appendix 4B-5: STA-2 Water Quality Summary Statistics, Water Year 2003

Table 1. Geometric means and standard errors for water quality parameters monitored at STA-2 sampling stations during WY2003.

		STA-2 In S6	STA-2 In G328	Cell 1 In	Cell 1 Out	Cell 2 In	Cell 2 Out	Cell 3 In	Cell 3 Out	STA-2 Out
Sample size		53	53	23	23	27	27	27	27	53
TP (µg/L)	Mean	49.8	33.9	42.5	18.3	42.9	19.0	36.9	16.3	18.3
	SE	3.1	3.0	6.0	1.7	5.3	1.2	4.8	0.8	1.0
SRP (µg/L)	Mean	29.3		22.7	6.0	22.2	5.6	21.7	4.6	5.2
	SE	2.9	2.2	5.1	0.5	4.3	0.3	4.0	0.2	0.2
TDP (µg/L)	Mean	34.4	21.3	26.5	10.2	26.4	10.6	26.0	8.7	9.0
	SE	3.0	2.4	5.3	0.8	4.6	0.5	4.5	0.3	0.2
TKN (mg/L)	Mean	2.022	1.925	2.137	2.329	2.036	1.913	1.961	1.947	2.060
	SE	0.078	0.072	0.089	0.182	0.082	0.075	0.083	0.080	0.069
NH ₄ -N (mg/L)	Mean	0.164	0.263	0.306	0.022	0.213	0.043	0.174	0.022	0.053
	SE	0.019	0.035	0.031	0.002	0.031	0.009	0.024	0.001	0.007
NO _x -N (mg/L)	Mean	0.372	0.445	0.521	0.008	0.565	0.035	0.581	0.049	0.080
	SE	0.055	0.108	0.116	0.001	0.113	0.007	0.102	0.014	0.025
Ca (mg/L)	Mean	82.4	90.8	85.2	78.4	83.6	80.1	82.8	56.5	66.2
	SE	9.8	7.1	2.9	2.6	3.0	2.8	3.2	3.0	4.7
Alkalinity (mg CaCO ₃ /L)	Mean	256.6	298.0	307.9	281.7	299.3	288.6	297.4	226.0	280.5
	SE	14.3	15.2	10.9	10.6	13.1	11.9	12.9	7.4	7.3
Cl (mg/L)	Mean	135.5	186.9	182.8	178.3	167.0	156.1	164.9	176.3	176.2
	SE	7.1	12.6	7.4	8.8	12.8	9.9	12.5	7.1	6.6

Notes:

TP = total phosphorus; SRP = soluble reactive phosphorus; TDP = total dissolved phosphorus; TKN = total Kjeldahl nitrogen; NH₄-N = ammonia nitrogen; NO_x-N = nitrite+nitrate nitrogen; Ca = calcium; and Cl = chloride.