Appendix 2C-2: Annual Summary of Phosphorus Concentrations at Everglades Protection Area Monitoring Stations during Water Year 2003

Florida Department of Environmental Protection

Table 1. Annual Summary of phosphorus concentrations at Everglades Protection Area inflow, rim canal, interior marsh, and outflow monitoring stations during WY2003.

Area	Class	Station	Geometric Mean	Count	Arithmetic Average	Standard Deviation	Min	25th Percentile	Median	75th Percentile	Max
Everglades National Park	Inflow	S12A	12.5	50	15.0	10.5	6.0	8.0	10.0	19.0	45.0
	Inflow	S12B	9.8	50	11.1	6.5	5.0	7.0	8.0	13.5	31.0
	Inflow	S12C	9.7	50	10.6	5.1	6.0	7.0	9.0	13.5	26.0
	Inflow	S12D	11.1	48	12.0	4.5	5.0	9.0	11.0	14.8	23.0
	Inflow	S175	8.2	25	10.6	11.7	4.0	6.0	7.0	9.0	50.0
	Inflow	S18C	5.2	34	6.0	5.5	3.0	4.0	5.0	6.0	36.5
	Inflow	S332	6.8	74	7.2	2.9	4.0	6.0	7.0	8.8	19.0
	Inflow	S332D	6.6	50	7.0	2.7	4.0	5.0	6.0	7.0	17.0
	Inflow	S333	11.8	62	12.4	4.1	7.0	9.0	11.0	15.0	23.0
	Inflow	S355A	11.4	24	13.3	7.9	5.0	7.3	11.0	20.5	30.0
	Inflow	S355B	15.3	24	19.8	14.5	5.0	8.3	12.0	30.8	52.0
	Interior	EP	2.4	4	2.5	0.6	2.0	2.0	2.5	3.0	3.0
	Interior	NE1	5.7	11	6.1	2.4	4.0	4.0	5.0	9.0	10.0
	Interior	NP201	5.2	10	6.9	5.8	2.0	3.0	4.5	11.5	18.0
	Interior	P33	5.9	10	6.8	4.8	4.0	4.0	5.5	7.3	20.0
	Interior	P34	2.9	6	3.2	1.3	2.0	2.0	3.0	4.3	5.0
	Interior	P35	5.9	7	6.1	2.3	4.0	5.0	6.0	6.0	11.0
	Interior	P36	5.6	9	5.8	1.6	4.0	4.5	5.0	7.5	8.0
	Interior	P37	2.2	7	2.3	0.5	2.0	2.0	2.0	3.0	3.0
	Interior	T23	4.0	2	5.0	4.2	2.0	NA	5.0	NA	8.0
	Interior	T24	3.5	2	4.0	2.8	2.0	NA	4.0	NA	6.0
	Interior	T33	7.2	4	7.3	1.3	6.0	6.3	7.0	8.5	9.0
	Interior	T34	7.8	3	7.8	0.8	7.0	7.0	8.0	8.5	8.5
	Interior	TSB	3.6	8	4.1	2.1	2.0	2.0	4.0	6.0	7.0

Area	Class	Station	Geometric Mean	Count	Arithmetic Average	Standard Deviation	Min	25th Percentile	Median	75th Percentile	Max
Arthur R. Marshall Loxahatchee National Wildlife Refuge	Inflow	ACME1DS	48.5	11	51.4	18.9	31.0	37.0	45.0	66.0	85.0
	Inflow	ENR012	36.1	51	38.7	16.9	21.0	28.0	34.0	46.0	99.0
	Inflow	G300	240.0	1	240.0	NA	240.0	NA	240.0	NA	240.0
	Inflow	G301	232.0	1	232.0	NA	232.0	NA	232.0	NA	232.0
	Inflow	G310	57.7	51	68.2	48.1	20.0	40.5	59.5	81.5	315.0
	Inflow	G94D	61.0	12	66.8	28.6	29.0	41.5	62.5	97.8	111.0
	Interior	LOX10	6.9	7	7.4	3.0	4.0	5.0	7.0	11.0	12.0
	Interior	LOX11	8.8	11	9.1	2.5	6.0	7.0	9.0	11.0	13.0
	Interior	LOX12	7.6	12	7.8	1.3	5.0	7.0	8.0	9.0	9.0
	Interior	LOX13	9.3	8	9.9	3.6	5.0	8.0	8.5	13.3	16.0
	Interior	LOX14	7.8	12	8.4	3.6	5.0	5.3	7.0	12.0	15.0
	Interior	LOX15	6.5	12	6.8	2.1	4.0	5.3	6.0	7.8	11.0
	Interior	LOX16	8.5	11	9.0	3.3	5.0	7.0	9.0	10.0	17.0
	Interior	LOX3	11.9	5	12.6	4.5	7.0	8.5	13.0	16.5	19.0
	Interior	LOX4	10.2	9	11.3	5.7	6.0	7.0	9.0	17.0	21.0
	Interior	LOX5	8.4	5	8.6	2.1	6.0	6.5	9.0	10.5	11.0
	Interior	LOX6	6.9	11	7.1	2.0	5.0	6.0	7.0	8.0	12.0
	Interior	LOX7	8.1	11	8.4	2.5	6.0	6.0	8.0	10.0	14.0
	Interior	LOX8	7.6	11	7.9	2.3	5.0	6.0	7.0	9.0	13.0
	Interior	LOX9	6.9	8	7.4	2.7	4.0	4.8	7.0	9.0	12.0
	Interior	X1	27.8	10	29.5	10.4	15.0	19.8	31.0	38.3	45.0
	Interior	X2	17.2	10	17.9	5.2	11.0	13.9	17.5	21.0	28.0
	Interior	X3	7.6	10	9.2	4.6	2.0	6.9	9.0	11.8	17.0
	Interior	X4	12.0	10	13.9	8.5	5.0	8.8	10.0	18.5	33.0
	Interior	Y4	7.0	10	8.3	5.2	2.0	5.5	6.5	11.3	20.0
	Interior	Z1	29.0	9	30.3	8.9	18.0	19.5	32.5	37.5	40.5
	Interior	Z2	14.2	10	16.5	9.2	4.0	10.4	14.8	22.3	37.0
	Interior	Z3	8.4	10	9.2	4.7	5.0	5.8	8.0	10.5	21.0
	Interior	Z4	5.9	10	7.1	4.4	2.0	3.5	6.5	9.3	17.0
	Outflow	G94B	42.8	12	48.6	31.7	26.0	28.0	47.0	51.3	143.0
	Outflow	S10A	36.8	14	37.9	9.7	29.0	29.0	35.0	45.0	57.0
	Outflow	S10C	38.1	8	38.5	5.3	30.0	32.5	41.0	42.0	42.0
	Outflow	S10D	49.1	26	51.7	18.3	28.0	40.5	47.0	57.0	91.0
	Outflow	S10E	58.3	22	63.5	29.1	29.0	49.0	53.0	79.0	128.0
	Outflow	S39	28.2	18	31.0	14.5	12.0	21.0	29.0	35.3	74.0
	Rim	S5AD	131.5	12	135.8	36.6	81.0	110.5	125.5	164.8	206.0
	Rim	X0	62.9	10	66.4	23.4	39.0	44.0	63.3	80.5	110.0
	Rim	Z0	68.3	10	71.8	22.9	36.0	56.5	68.5	88.8	110.0

Area	Class	Station	Geometric Mean	Count	Arithmetic Average	Standard Deviation	Min	25th Percentile	Median	75th Percentile	Max
Water Conservation Area 2	Inflow	E0	48.5	10	49.6	11.0	33.0	39.0	50.5	56.5	71.0
	Inflow	F0	59.1	10	60.5	13.9	40.0	50.3	59.5	69.5	88.0
	Inflow	G335	16.3	52	16.9	4.7	10.5	13.3	16.0	19.4	38.0
	Inflow	G339	107.0	1	107.0	NA	107.0	NA	107.0	NA	107.0
	Inflow	S10A	36.8	14	37.9	9.7	29.0	29.0	35.0	45.0	57.0
	Inflow	S10C	38.1	8	38.5	5.3	30.0	32.5	41.0	42.0	42.0
	Inflow	S10D	49.1	26	51.7	18.3	28.0	40.5	47.0	57.0	91.0
	Inflow	S10E	58.3	22	63.5	29.1	29.0	49.0	53.0	79.0	128.0
	Inflow	S38B	15.0	3	15.3	4.2	12.0	12.0	14.0	20.0	20.0
	Inflow	S7	42.2	36	46.0	19.6	16.0	30.3	39.5	63.1	90.0
	Interior	CA2-15	5.7	22	5.8	1.0	4.0	5.0	6.0	6.3	8.0
	Interior	CA2-7	8.6	22	8.7	1.5	7.0	7.0	8.5	9.3	12.0
	Interior	CA2-8	30.2	22	34.0	18.2	14.0	19.8	29.5	46.0	92.0
	Interior	CA2-9	6.0	22	6.2	1.4	4.0	5.0	6.0	7.0	10.0
	Interior	E1	31.5	9	33.6	12.4	15.0	24.0	33.0	41.8	56.0
	Interior	E2	26.6	7	29.2	12.9	12.0	18.0	29.0	42.0	49.0
	Interior	E3	23.2	9	25.0	10.3	15.0	15.5	21.0	33.0	43.0
	Interior	E4	13.2	9	13.7	3.8	8.0	9.5	15.0	16.0	19.0
	Interior	E5	6.4	9	6.7	2.0	3.5	5.0	6.0	8.8	9.0
	Interior	F1	49.7	24	53.8	24.5	21.0	39.0	46.0	59.8	125.0
	Interior	F2	35.0	29	43.3	36.1	15.0	24.0	31.0	45.5	170.0
	Interior	F3	21.2	10	23.4	10.5	11.0	13.8	22.5	33.8	36.0
	Interior	F4	13.4	32	14.0	4.3	8.0	11.0	12.5	17.8	24.0
	Interior	F5	11.6	10	12.3	4.3	6.0	8.8	12.0	16.6	19.5
	Interior	S145	13.2	15	17.7	18.3	5.0	8.0	10.0	22.0	77.0
	Interior	U1	6.0	9	6.6	2.7	2.0	4.5	6.5	8.5	11.0
	Interior	U2	8.1	9	8.4	2.6	5.0	6.0	9.0	11.0	12.0
	Interior	U3	7.8	10	9.0	4.3	2.0	5.8	9.0	13.3	15.0
	Outflow	S11A	21.6	28	26.9	21.8	9.0	12.8	18.0	31.0	93.0
	Outflow	S11B	14.8	8	16.3	8.1	9.0	10.0	13.5	25.3	29.0
	Outflow	S11C	24.9	30	28.3	16.5	11.0	16.0	26.0	33.0	80.0
	Outflow	S34	18.3	18	21.2	12.5	6.0	15.0	20.0	33.0	58.0
	Outflow	S38	17.3	10	19.5	10.6	9.0	10.0	15.0	37.0	38.0

Area	Class	Station	Geometric Mean	Count	Arithmetic Average	Standard Deviation	Min	25th Percentile	Median	75th Percentile	Max
Water Conservation Area 3	Inflow	3AE0	40.2	15	48.9	31.5	10.0	38.5	46.3	63.3	120.0
	Inflow	3AW0	37.1	15	45.3	32.7	14.0	29.8	38.5	61.5	120.0
	Inflow	C123SR84	27.7	14	34.6	22.8	10.0	13.0	31.0	53.3	76.0
	Inflow	G123	17.4	57	19.1	8.8	8.0	12.0	16.0	23.3	46.5
	Inflow	G204	26.1	2	27.0	9.9	20.0	NA	27.0	NA	34.0
	Inflow	G205	39.7	4	55.8	52.6	14.0	17.0	39.0	111.3	131.0
	Inflow	G206	25.4	4	57.3	87.3	9.0	10.0	16.0	145.8	188.0
	Inflow	S11A	21.6	28	26.9	21.8	9.0	12.8	18.0	31.0	93.0
	Inflow	S11B	14.8	8	16.3	8.1	9.0	10.0	13.5	25.3	29.0
	Inflow	S11C	24.9	30	28.3	16.5	11.0	16.0	26.0	33.0	80.0
	Inflow	S140	39.9	48	45.2	26.1	18.0	28.6	36.0	53.6	133.0
	Inflow	S142	29.6	14	33.5	19.4	12.0	20.5	28.0	40.3	89.0
	Inflow	S150	36.7	27	42.5	22.5	8.0	27.0	36.0	56.5	89.0
	Inflow	S151	18.4	15	19.1	5.5	13.0	15.0	17.0	25.0	28.0
	Inflow	S190	52.6	42	61.1	32.9	20.5	31.0	53.5	90.5	126.0
	Inflow	S8	49.5	55	59.3	39.4	15.0	30.5	44.5	78.0	212.5
	Inflow	S9	16.2	50	17.1	6.4	8.0	12.9	16.0	19.1	37.0
	Interior	3AE05	26.6	5	40.2	45.6	10.0	13.0	20.0	77.5	120.0
	Interior	3AE10	23.4	8	28.1	15.3	8.5	10.8	34.0	41.5	43.0
	Interior	3AE15	13.5	9	15.0	7.0	6.0	8.5	15.0	21.5	26.0
	Interior	3AE20	4.8	9	5.4	2.5	2.0	3.0	6.0	6.8	10.0
	Interior	3AE40	5.3	9	6.1	3.4	2.0	4.0	5.0	9.0	12.0
	Interior	3ANMESO	5.7	10	12.5	22.5	2.0	2.0	4.0	9.8	75.0
	Interior	3ASMESO	4.5	10	5.5	3.2	2.0	2.0	6.5	8.3	10.0
	Interior	3AW05	27.8	5	39.8	45.0	14.0	16.0	23.0	72.0	120.0
	Interior	3AW10	32.6	9	43.2	35.5	12.0	15.5	26.0	65.0	120.0
	Interior	3AW15	17.1	9	19.5	10.4	8.0	10.0	16.0	31.8	34.0
	Interior	3AW20	11.8	9	13.1	5.9	5.0	7.5	14.0	18.0	22.0
	Interior	3AW40	5.5	9	6.4	3.4	2.0	3.5	6.0	9.0	12.0
	Interior	CA3-11	4.7	23	4.9	1.8	3.0	4.0	4.0	6.0	10.0
	Interior	CA3-15	4.8	22	5.2	2.3	3.0	4.0	5.0	6.0	13.0
	Interior	CA3-16	7.9	22	8.4	3.2	4.0	6.0	8.0	10.0	17.0
	Interior	CA3-17	4.5	25	4.6	1.3	3.0	4.0	4.0	5.0	8.0
	Interior	CA3-18	7.2	24	7.3	1.4	5.0	6.0	7.0	8.8	10.0
	Interior	CA3-2	6.8	19	7.2	2.6	5.0	5.0	6.0	8.0	15.0
	Interior	CA3-3	10.3	19	10.7	3.3	6.0	9.0	10.0	13.0	19.0
	Interior	CA3-4	8.3	18	8.4	1.9	6.0	7.0	8.0	9.3	14.0
	Interior	CA3-5	10.5	15	10.7	2.4	7.0	9.0	11.0	12.0	15.0
	Interior	CA3-6	34.8	11	38.2	18.1	18.0	22.0	33.0	45.0	78.0
	Interior	CA3-8	4.8	21	4.9	1.1	4.0	4.0	5.0	5.5	7.0
	Outflow	S12A	12.5	50	15.0	10.5	6.0	8.0	10.0	19.0	45.0
	Outflow	S12B	9.8	50	11.1	6.5	5.0	7.0	8.0	13.5	31.0
	Outflow	S12C	9.7	50	10.6	5.1	6.0	7.0	9.0	13.5	26.0
	Outflow	S12D	11.1	48	12.0	4.5	5.0	9.0	11.0	14.8	23.0
	Outflow	S31	19.3	4	23.0	17.5	12.0	12.5	15.5	41.0	49.0
	Outflow	S333	11.8	62	12.4	4.1	7.0	9.0	11.0	15.0	23.0
	Outflow	S334	12.9	16	13.2	3.3	10.0	11.0	13.0	14.0	23.0
	Outflow	S344	11.8	3	12.0	2.6	9.0	9.0	13.0	14.0	14.0
	Outflow	S355A	11.4	24	13.3	7.9	5.0	7.3	11.0	20.5	30.0
	Outflow	S355B	15.3	24	19.8	14.5	5.0	8.3	12.0	30.8	52.0
	Outflow	US41-25	14.9	25	18.7	14.2	7.0	8.5	12.0	26.0	53.0