

Appendix 2C-2: Annual Summary of Phosphorus Concentrations at Everglades Protection Area Monitoring Stations during Water Year 2004

Florida Department of Environmental Protection

Table 1. Annual Summary of total phosphorus concentrations ($\mu\text{g/L}$) at inflow, rim canal, interior marsh, and outflow monitoring stations in the Everglades Protection Area during Water Year 2004.

Area	Class	Station	Geometric Mean	Count	Arithmetic Average	Standard Deviation	Min	25th Percentile	Median	75th Percentile	Max
Everglades National Park	Inflow	S12A	10.8	26	11.6	4.8	6.0	8.0	11.0	13.3	26.0
	Inflow	S12B	8.8	27	9.4	3.8	5.0	7.0	8.0	12.0	21.0
	Inflow	S12C	8.4	27	8.9	3.3	5.0	7.0	8.0	11.0	17.0
	Inflow	S12D	11.2	36	11.8	3.6	6.0	9.0	12.0	14.8	18.0
	Inflow	S175	6.7	26	7.4	3.7	3.0	5.0	6.0	10.0	16.0
	Inflow	S18C	5.1	53	6.3	7.0	2.0	4.0	5.0	6.0	51.0
	Inflow	S332	6.3	26	6.8	3.0	3.0	5.0	6.0	9.3	14.0
	Inflow	S332D	5.9	48	6.2	2.6	3.0	5.0	6.0	6.0	22.0
	Inflow	S333	10.5	26	11.1	3.9	6.0	8.0	10.0	13.3	20.0
	Inflow	S355A	8.0	13	8.4	2.7	4.0	6.5	8.0	9.5	14.0
	Inflow	S355B	12.0	13	13.8	8.4	5.0	8.0	12.0	17.0	36.0
	Interior	EP	2.6	10	2.6	0.5	2.0	2.0	3.0	3.0	3.0
	Interior	NE1	4.7	11	4.9	1.6	3.0	4.0	5.0	6.0	8.0
	Interior	NP201	4.7	11	6.0	5.6	2.0	3.0	5.0	6.0	22.0
	Interior	P33	4.5	11	4.7	1.4	3.0	4.0	4.0	6.0	7.0
	Interior	P34	5.0	8	6.3	5.1	3.0	3.0	4.0	9.5	17.0
	Interior	P35	6.6	9	6.8	2.0	5.0	5.5	6.0	8.0	11.0
	Interior	P36	4.8	11	5.1	1.9	3.0	4.0	4.0	6.0	9.0
	Interior	P37	2.7	10	3.0	1.2	<2.0	2.0	3.0	4.0	5.0
	Interior	T23	3.7	2	4.5	3.5	2.0	NA	4.5	NA	7.0
	Interior	T24	2.0	2	2.0	0.0	2.0	NA	2.0	NA	2.0
	Interior	T33	3.9	5	4.5	2.4	2.0	2.0	5.0	6.8	7.0
	Interior	T34	5.4	3	5.7	2.1	4.0	4.0	5.0	8.0	8.0
Interior	TSB	5.0	10	5.6	2.7	3.0	3.0	5.5	8.3	10.0	

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	43.0	14	45.7	18.0	27.0	32.8	38.5	56.3	84.0
	Inflow	G251	33.4	52	38.0	24.7	20.5	25.5	29.0	35.0	117.0
	Inflow	G300	147.8	2	149.5	31.8	127.0	NA	149.5	NA	172.0
	Inflow	G301	121.4	2	126.5	50.2	91.0	NA	126.5	NA	162.0
	Inflow	G310	35.2	52	38.8	17.3	16.0	25.9	33.5	48.3	77.0
	Inflow	G94D	60.8	14	66.8	30.4	30.0	43.0	52.0	96.8	130.0
	Interior	LOX10	9.1	8	9.8	4.0	6.0	6.0	9.5	12.5	17.0
	Interior	LOX11	6.9	10	7.0	1.6	5.0	6.0	7.0	7.3	11.0
	Interior	LOX12	6.5	11	7.0	3.7	5.0	5.0	6.0	7.0	18.0
	Interior	LOX13	9.9	10	10.3	3.4	6.0	8.5	9.5	11.5	18.0
	Interior	LOX14	7.7	11	7.9	1.8	5.0	6.0	8.0	10.0	10.0
	Interior	LOX15	5.5	11	5.6	1.5	4.0	4.0	5.0	7.0	8.0
	Interior	LOX16	8.3	11	8.7	3.1	4.0	7.0	9.0	9.0	17.0
	Interior	LOX3	12.1	7	13.1	6.5	7.0	10.0	11.0	14.0	27.0
	Interior	LOX4	10.9	9	11.6	4.3	7.0	8.0	12.0	13.5	21.0
	Interior	LOX5	12.1	8	13.4	6.9	7.0	9.0	11.0	17.5	28.0
	Interior	LOX6	6.5	11	6.7	2.0	4.0	5.0	6.0	8.0	10.0
	Interior	LOX7	8.9	10	9.3	3.3	6.0	8.0	8.0	10.0	18.0
	Interior	LOX8	8.0	11	8.9	5.4	6.0	6.0	7.0	8.0	24.0
	Interior	LOX9	7.2	7	7.3	1.3	6.0	6.0	7.0	9.0	9.0
	Interior	X1	24.2	12	25.7	8.6	10.0	19.0	26.0	31.8	42.0
	Interior	X2	14.7	12	15.5	5.1	8.0	12.0	13.5	21.0	23.0
	Interior	X3	10.3	12	13.5	15.7	6.0	7.0	9.0	11.0	63.0
	Interior	X4	9.7	12	11.7	7.5	2.0	6.1	11.0	14.3	31.0
	Interior	Y4	5.0	12	6.1	3.4	2.0	2.0	6.5	9.8	10.0
	Interior	Z1	26.7	12	29.1	12.7	13.0	18.5	29.0	33.0	56.5
	Interior	Z2	14.3	12	14.8	4.3	9.0	11.3	14.0	19.0	22.0
	Interior	Z3	6.2	12	7.8	6.1	2.0	4.4	6.0	9.6	25.0
	Interior	Z4	5.4	12	5.9	2.6	2.0	4.0	5.5	7.0	12.0
	Outflow	G94B	81.3	12	118.2	109.0	25.0	35.8	79.5	196.5	381.0
	Outflow	S10A	14.8	5	15.4	5.1	10.0	11.5	13.0	20.5	23.0
	Outflow	S10C	16.8	5	18.0	8.2	12.0	12.5	15.0	25.0	32.0
	Outflow	S10D	34.2	14	38.8	21.9	17.0	22.8	32.5	46.8	91.0
Outflow	S10E	33.8	12	35.9	15.2	22.0	27.3	30.5	39.8	79.0	
Outflow	S39	22.2	17	23.8	8.3	10.0	15.5	27.0	29.5	38.0	
Rim	X0	41.7	12	44.4	18.0	25.5	32.3	39.0	52.4	91.5	
Rim	Z0	37.9	12	40.7	16.8	21.0	27.0	37.0	48.0	79.0	

Area	Class	Station	Geometric Mean	Count	Arithmetic Average	Standard Deviation	Min	25th Percentile	Median	75th Percentile	Max
Water Conservation Area 2	Inflow	E0	49.5	10	52.2	18.5	34.0	35.8	46.5	66.0	89.0
	Inflow	F0	46.9	10	49.4	17.8	32.0	37.0	41.5	64.5	88.0
	Inflow	G335	12.5	50	12.8	2.5	9.0	11.0	12.3	14.0	19.0
	Inflow	S10A	14.8	5	15.4	5.1	10.0	11.5	13.0	20.5	23.0
	Inflow	S10C	16.8	5	18.0	8.2	12.0	12.5	15.0	25.0	32.0
	Inflow	S10D	34.2	14	38.8	21.9	17.0	22.8	32.5	46.8	91.0
	Inflow	S10E	33.8	12	35.9	15.2	22.0	27.3	30.5	39.8	79.0
	Inflow	S38B	16.6	3	17.7	7.6	11.0	11.0	16.0	26.0	26.0
	Inflow	S7	31.7	53	35.6	17.6	12.0	21.0	33.0	48.3	91.5
	Interior	CA2-15	4.8	22	4.9	1.1	3.0	4.0	5.0	5.0	7.0
	Interior	CA2-7	7.8	22	8.0	2.1	4.0	6.8	8.0	9.3	13.0
	Interior	CA2-8	25.5	18	27.7	12.4	13.0	18.5	25.0	32.3	64.0
	Interior	CA2-9	6.1	24	6.3	1.7	5.0	5.0	6.0	6.8	11.0
	Interior	E1	21.9	6	23.8	10.5	13.0	13.0	24.0	32.3	39.0
	Interior	E2	26.9	7	30.7	18.6	16.0	16.0	28.0	40.5	68.0
	Interior	E3	21.2	7	26.1	20.7	11.0	11.0	23.0	31.0	70.0
	Interior	E4	8.8	6	10.7	5.7	2.0	5.8	11.5	15.5	17.0
	Interior	E5	5.7	9	7.1	4.1	2.0	2.0	8.0	10.0	13.0
	Interior	F1	32.7	23	41.3	33.1	7.0	24.0	27.0	58.0	151.0
	Interior	F2	32.3	27	43.7	47.9	13.0	18.0	29.0	41.0	239.0
	Interior	F3	14.1	10	16.2	8.9	5.0	9.3	16.0	20.0	36.0
	Interior	F4	10.8	27	12.1	6.0	2.0	9.0	11.0	13.0	32.0
	Interior	F5	6.5	8	8.0	4.2	2.0	3.0	9.0	12.0	12.0
	Interior	S145	11.8	14	14.8	11.2	4.0	7.0	10.0	18.3	39.0
	Interior	U1	3.9	7	5.4	4.8	2.0	2.0	2.0	9.0	14.0
	Interior	U2	3.6	7	4.9	4.3	2.0	2.0	2.0	8.0	13.0
	Interior	U3	5.5	9	6.4	3.5	2.0	3.0	7.0	9.0	12.0
	Outflow	S11A	18.8	16	22.4	13.6	8.0	10.8	17.5	36.8	49.0
	Outflow	S11B	18.6	9	21.7	15.6	10.0	13.0	15.0	24.0	61.0
	Outflow	S11C	29.1	15	34.1	20.7	12.0	19.0	23.0	48.0	86.0
Outflow	S34	21.2	19	22.9	9.9	7.0	17.0	21.0	26.0	53.0	
Outflow	S38	12.7	16	14.5	7.5	6.0	8.0	13.0	20.5	28.0	

Area	Class	Station	Geometric Mean	Count	Arithmetic Average	Standard Deviation	Min	25th Percentile	Median	75th Percentile	Max
Water Conservation Area 3	Inflow	3AE0	42.2	10	46.8	23.2	24.0	29.0	38.0	72.0	88.0
	Inflow	3AW0	40.7	11	45.5	23.5	24.0	25.5	36.0	70.0	90.0
	Inflow	C123SR84	26.4	15	29.3	14.4	12.0	19.0	29.0	37.0	69.0
	Inflow	G123	19.1	48	20.1	6.3	8.5	15.5	19.5	24.0	37.5
	Inflow	G204	37.8	2	43.5	30.4	22.0	NA	43.5	NA	65.0
	Inflow	G205	91.2	2	113.5	95.5	46.0	NA	113.5	NA	181.0
	Inflow	G206	38.5	2	41.5	21.9	26.0	NA	41.5	NA	57.0
	Inflow	S11A	18.8	16	22.4	13.6	8.0	10.8	17.5	36.8	49.0
	Inflow	S11B	18.6	9	21.7	15.6	10.0	13.0	15.0	24.0	61.0
	Inflow	S11C	29.1	15	34.1	20.7	12.0	19.0	23.0	48.0	86.0
	Inflow	S140	34.7	51	35.7	8.6	18.0	29.0	34.5	41.5	66.0
	Inflow	S142	22.0	24	23.5	8.3	9.0	16.3	23.0	30.5	39.0
	Inflow	S150	23.4	52	24.8	8.8	12.0	18.3	22.0	30.0	46.0
	Inflow	S151	13.7	12	14.5	5.6	8.0	11.0	12.0	17.0	27.0
	Inflow	S190	51.6	39	64.3	42.3	17.0	29.0	44.0	102.5	159.0
	Inflow	S8	35.2	55	41.0	21.5	7.0	24.0	39.0	53.0	106.5
	Inflow	S9	14.8	51	15.4	4.3	9.0	12.0	14.0	18.5	28.0
	Interior	3AE05	50.7	8	59.4	33.9	18.5	32.5	49.0	95.6	110.0
	Interior	3AE10	31.5	8	35.1	18.3	18.0	20.3	30.5	50.5	69.0
	Interior	3AE15	8.6	10	9.7	3.8	2.0	6.5	11.3	12.0	14.0
	Interior	3AE20	4.4	11	5.0	2.5	2.0	2.0	5.0	6.0	10.0
	Interior	3AE40	3.7	10	4.9	4.4	2.0	2.0	3.5	5.8	16.0
	Interior	3ANMESO	3.6	11	4.2	2.5	2.0	2.0	4.0	6.0	10.0
	Interior	3ASMESO	3.0	11	3.4	1.9	2.0	2.0	2.0	5.0	7.0
	Interior	3AW05	55.5	9	60.9	25.4	23.0	38.0	57.0	88.0	92.0
	Interior	3AW10	34.4	10	38.8	20.1	18.0	21.0	36.5	56.4	76.5
	Interior	3AW15	18.0	9	20.0	10.9	9.0	13.5	17.0	23.0	46.0
	Interior	3AW20	11.7	10	12.9	5.9	4.0	9.8	12.5	13.8	27.0
	Interior	3AW40	5.6	11	6.4	2.8	2.0	4.0	7.0	8.0	11.0
	Interior	CA311	4.1	23	4.2	1.0	3.0	4.0	4.0	5.0	7.0
	Interior	CA315	4.3	26	4.6	1.7	2.0	3.0	4.0	5.3	9.0
	Interior	CA316	6.3	25	6.7	2.6	4.0	5.0	6.0	8.0	14.0
	Interior	CA317	4.2	26	4.5	1.6	3.0	3.0	4.0	5.3	10.0
	Interior	CA318	6.3	26	6.7	2.6	3.0	5.0	6.0	8.0	16.0
	Interior	CA32	5.8	17	6.0	1.5	4.0	5.0	6.0	7.0	10.0
	Interior	CA33	10.4	21	10.9	3.5	7.0	8.0	10.0	14.0	19.0
	Interior	CA34	6.7	17	6.9	2.2	4.0	6.0	7.0	7.0	14.0
	Interior	CA35	9.4	17	9.8	2.9	7.0	8.0	9.0	11.0	17.0
	Interior	CA36	31.2	15	33.7	12.2	11.0	22.0	33.0	44.0	53.0
	Interior	CA38	4.9	20	5.1	1.7	3.0	4.0	5.0	5.8	10.0
	Outflow	S12A	10.8	26	11.6	4.8	6.0	8.0	11.0	13.3	26.0
	Outflow	S12B	8.8	27	9.4	3.8	5.0	7.0	8.0	12.0	21.0
	Outflow	S12C	8.4	27	8.9	3.3	5.0	7.0	8.0	11.0	17.0
Outflow	S12D	11.2	36	11.8	3.6	6.0	9.0	12.0	14.8	18.0	
Outflow	S197	3.0	1	3.0	NA	3.0	NA	3.0	NA	3.0	
Outflow	S333	10.5	26	11.1	3.9	6.0	8.0	10.0	13.3	20.0	
Outflow	S334	11.4	18	12.6	7.2	7.0	8.0	10.0	15.0	38.0	
Outflow	S344	15.2	3	17.0	9.8	9.0	9.0	14.0	28.0	28.0	
Outflow	S355A	8.0	13	8.4	2.7	4.0	6.5	8.0	9.5	14.0	
Outflow	S355B	12.0	13	13.8	8.4	5.0	8.0	12.0	17.0	36.0	
Outflow	US41-25	13.8	27	15.3	7.9	8.0	10.0	13.0	18.0	38.0	