

Appendix 3C-2: Annual Summary of Phosphorus Concentrations at Everglades Protection Area Monitoring Stations during Water Year 2006

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Table 1. Annual summary of total phosphorus concentrations (µg/L) at the inflow, rim canal, interior marsh, and outflow monitoring stations in the Everglades Protection Area during water year 2006.

Area	Class	Station	Count	Geometric Mean	Arithmetic Average	Standard Deviation	Min	25th Percentile	Median	75th Percentile	Max
Everglades National Park	Inflow	S12A	16	9.6	11.0	7.0	5.0	7.0	9.0	10.0	30.0
	Inflow	S12B	18	8.1	8.8	4.0	5.0	6.0	7.0	10.0	19.0
	Inflow	S12C	28	9.2	9.8	4.0	5.0	6.3	8.8	12.3	18.9
	Inflow	S12D	21	11.0	11.8	4.9	8.0	8.5	9.0	13.5	25.0
	Inflow	S175	16	7.1	7.6	3.1	5.0	5.3	6.5	8.5	15.0
	Inflow	S18C	52	6.2	7.2	5.1	3.0	4.5	6.0	7.0	32.0
	Inflow	S332	16	7.2	8.0	4.4	4.0	6.0	6.0	10.8	21.0
	Inflow	S332D	47	6.7	7.0	2.2	4.0	6.0	6.0	8.0	14.0
	Inflow	S333	28	11.5	12.3	5.5	8.0	9.0	10.0	14.8	30.0
	Inflow	S355A	4	18.5	22.5	14.5	7.0	9.0	21.5	37.0	40.0
	Inflow	S355B	4	28.0	36.0	30.1	12.0	13.8	26.5	67.8	79.0
	Interior	EP	8	3.5	3.6	1.2	3.0	3.0	3.0	4.5	6.0
	Interior	NE1	10	5.4	5.7	2.1	3.0	4.0	5.0	7.5	9.0
	Interior	NP201	10	7.0	9.3	8.3	3.0	4.0	5.0	15.8	28.0
	Interior	P33	10	8.4	13.9	21.7	4.0	5.0	6.0	10.0	75.0
	Interior	P34	9	4.5	5.4	4.7	3.0	3.5	4.0	4.5	18.0
	Interior	P35	8	7.2	7.6	2.6	5.0	5.3	6.5	10.8	11.0
	Interior	P36	11	11.0	35.5	85.1	5.0	5.0	7.0	23.0	291.0
	Interior	P37	6	2.6	2.7	0.5	2.0	2.0	3.0	3.0	3.0
	Interior	T24	4	3.4	3.6	1.3	2.0	2.4	3.8	4.8	5.0
	Interior	T33	5	6.8	8.0	4.3	2.0	4.5	8.0	11.5	14.0
	Interior	TSB	8	4.4	5.0	3.3	3.0	3.3	4.0	4.8	13.0

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Area	Class	Station	Count	Geometric Mean	Arithmetic Average	Standard Deviation	Min	25th Percentile	Median	75th Percentile	Max
Arthur R. Marshall Loxahatchee National Wildlife Refuge	Inflow	ACME1DS	14	68.0	69.9	17.3	48.0	56.0	66.5	82.3	111.0
	Inflow	ENR012	51	72.5	80.8	42.7	31.0	51.0	73.5	94.0	227.0
	Inflow	G300	3	290.3	298.3	82.6	213.0	213.0	304.0	378.0	378.0
	Inflow	G301	3	290.0	297.0	74.8	212.0	212.0	326.0	353.0	353.0
	Inflow	G310	51	80.0	88.1	43.5	34.0	63.5	73.5	97.0	244.0
	Inflow	G94D	15	74.8	83.2	51.5	47.0	53.0	71.0	90.0	257.0
	Interior	LOX10	9	7.3	7.4	1.3	5.0	7.0	7.0	8.0	10.0
	Interior	LOX11	10	7.1	7.2	1.5	5.0	6.0	7.0	8.3	10.0
	Interior	LOX12	10	7.2	7.4	1.6	5.0	6.0	7.0	9.0	10.0
	Interior	LOX13	8	7.5	7.6	1.2	6.0	6.3	8.0	8.8	9.0
	Interior	LOX14	10	6.7	6.8	1.5	5.0	5.8	7.0	7.3	10.0
	Interior	LOX15	10	7.5	7.6	1.1	6.0	6.8	8.0	8.3	9.0
	Interior	LOX16	10	6.7	6.8	1.3	5.0	6.0	7.0	7.0	10.0
	Interior	LOX3	4	7.3	7.5	2.1	5.0	5.5	7.5	9.5	10.0
	Interior	LOX4	10	8.0	8.2	1.7	5.0	7.0	8.0	9.3	11.0
	Interior	LOX5	7	7.8	8.1	2.5	6.0	6.0	7.0	11.0	12.0
	Interior	LOX6	10	6.0	6.1	1.4	4.0	5.0	6.0	6.5	9.0
	Interior	LOX7	10	7.8	8.4	4.0	5.0	6.0	7.5	9.0	19.0
	Interior	LOX8	10	8.1	8.2	1.4	6.0	7.0	8.5	9.3	10.0
	Interior	LOX9	10	6.4	6.5	1.2	5.0	5.8	6.5	7.0	9.0
	Interior	LOXA101	8	14.5	18.0	16.4	8.0	10.3	12.5	17.0	58.0
	Interior	LOXA103	8	9.1	10.0	5.1	6.0	7.0	7.5	13.0	21.0
	Interior	LOXA105	8	15.5	17.3	10.2	10.0	10.5	14.5	18.0	41.0
	Interior	LOXA106	7	11.1	12.1	5.5	6.0	8.0	10.0	18.0	21.0
	Interior	LOXA107	5	9.7	11.0	6.9	6.0	6.5	9.0	16.5	23.0
	Interior	LOXA108	6	9.8	11.5	8.3	6.0	6.8	8.0	16.0	28.0
	Interior	LOXA124	11	10.6	11.5	5.1	7.0	7.0	10.0	13.0	24.0
	Interior	LOXA130	11	14.8	17.9	15.6	8.0	10.0	13.0	17.0	63.0
	Interior	LOXA136	5	27.7	32.8	22.9	12.0	18.0	27.0	50.5	72.0
	Interior	LOXA137	12	13.6	17.3	15.8	7.0	10.0	11.0	13.0	53.0
	Interior	LOXA138	10	9.5	10.7	6.5	7.0	7.0	7.5	13.0	26.0
	Interior	LOXA139	8	8.8	9.3	3.6	7.0	8.0	8.0	8.8	18.0
	Interior	LOXA140	9	11.8	14.0	10.6	6.0	8.0	11.0	15.5	41.0
	Interior	X1	10	31.2	36.5	19.8	8.0	26.6	32.5	46.8	80.0
	Interior	X2	12	13.5	15.0	7.8	7.0	9.5	12.0	19.5	34.0
	Interior	X3	12	9.7	13.5	16.9	4.0	6.1	8.5	12.0	66.0
	Interior	X4	12	9.1	9.8	4.6	4.0	7.3	9.5	10.8	23.0
	Interior	Y4	12	6.7	7.7	3.8	2.0	4.3	7.0	10.8	14.0
	Interior	Z1	12	19.6	21.9	12.1	9.0	15.4	20.5	24.0	56.5
	Interior	Z2	12	18.3	20.8	9.8	7.0	11.0	21.0	29.0	35.0
	Interior	Z3	12	9.2	12.7	14.3	4.0	5.0	10.0	12.0	56.0
	Interior	Z4	10	5.0	6.2	3.9	2.0	2.0	6.3	8.5	14.0
	Outflow	G94B	13	51.6	67.3	63.0	18.0	33.5	42.0	79.0	256.0
	Outflow	S10A	5	23.9	24.6	6.2	16.0	18.5	26.0	30.0	32.0
	Outflow	S10C	5	33.2	41.2	35.0	16.0	21.5	30.0	66.5	103.0
	Outflow	S10D	13	64.4	79.1	60.9	31.0	37.0	59.0	93.5	245.0
	Outflow	S39	13	30.7	32.5	11.6	18.0	23.5	31.0	40.0	55.0
	Rim	LOXA104	12	87.1	97.0	51.1	51.0	62.0	72.0	131.0	195.0
	Rim	LOXA135	12	79.8	87.9	46.1	40.0	57.3	77.0	106.5	216.0
	Rim	X0	12	70.4	79.1	40.2	36.0	44.5	70.0	111.3	160.0
	Rim	Z0	12	68.8	77.3	37.4	34.0	41.3	75.0	107.5	140.0

Area	Class	Station	Count	Geometric Mean	Arithmetic Average	Standard Deviation	Min	25th Percentile	Median	75th Percentile	Max
Water Conservation Area 2	Inflow	E0	11	57.7	60.0	15.8	27.0	54.0	62.0	68.0	89.0
	Inflow	F0	11	66.2	68.2	14.1	29.0	65.0	73.0	77.0	80.0
	Inflow	G335	51	18.8	19.8	6.9	10.0	14.5	18.5	22.0	40.5
	Inflow	S10A	5	23.9	24.6	6.2	16.0	18.5	26.0	30.0	32.0
	Inflow	S10C	5	33.2	41.2	35.0	16.0	21.5	30.0	66.5	103.0
	Inflow	S10D	13	64.4	79.1	60.9	31.0	37.0	59.0	93.5	245.0
	Inflow	S7	55	21.3	22.9	10.2	12.5	15.5	20.5	26.0	63.5
	Interior	404C2	12	8.4	9.9	6.4	2.0	7.0	8.0	11.8	27.5
	Interior	CA215	25	6.4	7.0	3.4	4.0	5.0	6.0	8.5	18.0
	Interior	CA27	25	8.8	9.1	2.4	5.0	7.5	9.0	10.0	15.0
	Interior	CA28	21	28.1	35.2	35.0	14.0	17.5	24.0	38.5	178.0
	Interior	CA29	25	6.6	6.9	2.2	4.0	5.5	6.0	7.5	13.0
	Interior	E1	9	22.3	24.1	9.6	11.0	15.8	25.0	32.0	40.0
	Interior	E2	7	21.8	22.9	8.1	14.0	17.0	18.5	33.0	34.0
	Interior	E3	9	19.0	20.1	6.6	10.0	13.5	21.5	26.0	29.0
	Interior	E4	8	11.7	11.9	2.3	8.5	10.0	12.0	14.1	15.0
	Interior	E5	9	7.4	7.8	2.7	4.0	6.5	7.0	9.8	13.0
	Interior	F1	26	44.0	54.8	50.3	12.0	29.0	43.5	56.0	272.0
	Interior	F2	29	31.1	42.5	41.3	8.0	21.0	25.0	46.5	161.0
	Interior	F3	10	16.8	19.0	10.5	7.0	11.5	17.5	22.8	42.0
	Interior	F4	28	13.4	17.0	19.4	8.0	9.0	11.0	17.0	110.0
	Interior	F5	9	8.5	9.1	4.3	6.0	6.5	8.0	9.0	20.0
	Interior	N1	12	18.7	20.8	11.3	11.0	13.0	18.5	21.8	49.0
	Interior	S145	15	11.2	12.4	6.5	6.0	8.0	10.0	17.0	31.0
	Interior	U1	9	6.7	7.8	4.7	2.0	5.0	6.5	10.5	18.0
	Interior	U2	10	6.0	6.8	3.2	2.0	4.0	6.8	8.8	12.0
	Interior	U3	8	5.7	7.0	5.3	2.0	4.3	5.0	9.0	19.0
	Outflow	S11A	24	14.8	16.3	7.9	7.0	10.5	14.0	21.0	38.0
	Outflow	S11B	15	16.0	18.0	9.1	8.0	10.0	16.0	26.0	36.0
	Outflow	S11C	14	17.2	18.3	7.0	10.0	13.0	16.0	22.5	32.0
	Outflow	S34	21	14.6	15.6	6.1	8.0	11.0	14.0	20.5	31.0
	Outflow	S38	22	11.3	12.9	7.6	7.0	7.8	10.0	17.5	35.0
Water Conservation Area 3	Inflow	3AE0	10	53.6	59.3	31.6	26.0	37.3	55.0	63.1	140.0
	Inflow	3AW0	12	45.0	50.0	28.5	26.0	34.0	41.5	55.0	130.0
	Inflow	C123SR84	17	29.3	32.4	16.2	15.0	20.5	29.0	37.0	78.0
	Inflow	G123	50	14.4	15.3	6.1	9.0	11.0	13.5	17.3	46.0
	Inflow	S11A	24	14.8	16.3	7.9	7.0	10.5	14.0	21.0	38.0
	Inflow	S11B	15	16.0	18.0	9.1	8.0	10.0	16.0	26.0	36.0
	Inflow	S11C	14	17.2	18.3	7.0	10.0	13.0	16.0	22.5	32.0
	Inflow	S140	52	42.3	44.2	14.7	24.0	35.5	41.0	49.3	109.5
	Inflow	S142	22	15.0	16.2	7.5	9.0	11.0	13.5	18.5	37.0

Area	Class	Station	Count	Geometric Mean	Arithmetic Average	Standard Deviation	Min	25th Percentile	Median	75th Percentile	Max
Water Conservation Area 3	Inflow	S150	51	17.7	18.1	4.2	11.5	15.0	17.0	21.0	28.0
	Inflow	S151	16	13.8	15.0	7.0	9.0	10.0	11.5	18.0	34.0
	Inflow	S190	43	88.6	104.8	55.5	25.0	62.0	104.0	142.0	236.0
	Inflow	S8	49	32.0	37.6	25.2	12.0	22.5	30.5	39.5	126.0
	Inflow	S9	52	13.1	13.5	3.6	8.0	11.0	13.0	14.9	25.0
	Interior	3AE05	6	77.2	84.1	41.2	48.0	51.8	72.8	113.5	160.0
	Interior	3AE10	7	51.8	62.0	42.6	25.5	32.0	39.0	100.0	140.0
	Interior	3AE15	7	22.0	31.2	35.4	9.0	12.0	19.0	29.0	110.0
	Interior	3AE20	8	6.0	7.9	5.7	2.0	2.5	6.5	12.5	18.0
	Interior	3AE40	8	3.0	3.6	2.4	2.0	2.0	2.0	5.9	8.0
	Interior	3ANMESO	11	5.1	9.5	13.1	2.0	2.0	4.0	14.0	45.0
	Interior	3ASMESO	11	3.4	4.1	2.7	2.0	2.0	2.0	7.0	9.0
	Interior	3AW05	6	69.9	76.3	38.5	44.0	46.3	70.5	94.5	150.0
	Interior	3AW10	7	52.3	74.6	63.2	20.0	21.0	50.0	130.0	180.0
	Interior	3AW15	7	28.6	38.9	41.2	15.0	17.0	21.0	42.0	130.0
	Interior	3AW20	7	22.8	27.9	22.5	10.0	15.0	22.0	28.0	77.0
	Interior	3AW40	10	5.5	6.9	4.1	2.0	2.0	7.0	12.0	12.0
	Interior	CA311	24	5.5	5.7	1.5	4.0	5.0	5.0	6.0	9.0
	Interior	CA315	26	7.0	7.8	4.9	4.0	5.0	6.0	8.3	28.0
	Interior	CA316	26	7.4	7.8	2.6	4.0	6.0	7.0	9.0	17.0
	Interior	CA317	26	5.7	5.8	0.9	4.0	5.0	6.0	6.0	8.0
	Interior	CA318	26	9.1	9.5	3.7	6.0	8.0	8.0	9.3	23.0
	Interior	CA32	19	6.2	6.4	1.5	4.0	5.0	6.0	7.0	9.0
	Interior	CA33	22	10.2	10.4	1.8	7.0	9.0	10.0	12.0	14.0
	Interior	CA34	22	10.3	12.0	7.4	5.0	7.0	9.0	14.0	31.0
	Interior	CA35	17	8.1	8.6	3.9	4.0	7.0	8.0	9.0	21.0
	Interior	CA36	14	30.2	36.0	19.2	6.0	17.0	35.0	52.5	68.0
	Interior	CA38	21	5.9	6.1	2.2	4.0	5.0	5.0	6.5	13.0
	Interior	S345B6	8	6.3	6.9	2.3	2.0	5.5	8.0	8.0	9.0
	Outflow	S12A	16	9.6	11.0	7.0	5.0	7.0	9.0	10.0	30.0
	Outflow	S12B	18	8.1	8.8	4.0	5.0	6.0	7.0	10.0	19.0
	Outflow	S12C	28	9.2	9.8	4.0	5.0	6.3	8.8	12.3	18.9
	Outflow	S12D	21	11.0	11.8	4.9	8.0	8.5	9.0	13.5	25.0
	Outflow	S197	4	12.8	33.6	54.9	5.5	5.6	6.5	88.8	116.0
	Outflow	S31	14	12.3	12.6	3.2	8.0	10.0	12.5	15.3	19.0
	Outflow	S333	28	11.5	12.3	5.5	8.0	9.0	10.0	14.8	30.0
	Outflow	S334	21	12.0	12.2	2.6	9.0	10.0	11.0	13.5	18.0
	Outflow	S344	4	17.4	25.8	29.5	9.0	9.8	12.0	55.5	70.0
	Outflow	S355A	4	18.5	22.5	14.5	7.0	9.0	21.5	37.0	40.0
	Outflow	S355B	4	28.0	36.0	30.1	12.0	13.8	26.5	67.8	79.0
	Outflow	US41-25	26	19.1	24.2	18.9	8.0	11.0	15.0	33.5	78.0