

Appendix 3C-1: Annual Summary of Phosphorus Concentrations at Everglades Protection Area Monitoring Stations during Water Year 2007

Florida Department of Environmental Protection

Table 1. Annual summary of total phosphorus concentrations ($\mu\text{g/L}$) at the inflow, rim canal, interior marsh, and outflow monitoring stations in the Everglades Protection Area during Water Year 2007.

Area	Class	Station	Count	Geometric Mean	Arithmetic Average	Standard Deviation	Min	25th Percentile	Median	75th Percentile	Max
Everglades National Park	Inflow	S12A	16	25.0	34.4	23.3	6.0	9.0	37.0	55.0	70.0
	Inflow	S12B	15	20.3	26.1	16.7	6.0	9.0	32.0	42.0	52.0
	Inflow	S12C	52	14.1	15.6	7.2	7.0	9.0	13.5	21.5	31.1
	Inflow	S12D	14	14.9	18.1	15.4	9.0	9.0	13.5	19.5	68.0
	Inflow	S176	52	8.7	9.4	4.3	4.3	6.4	8.7	10.7	31.0
	Inflow	S18C	44	6.9	7.6	4.3	3.0	5.0	6.5	8.4	27.0
	Inflow	S332D	45	6.8	7.3	2.9	4.0	5.0	6.0	9.5	16.0
	Inflow	S333	51	15.2	16.3	6.1	7.9	9.7	16.9	20.3	36.6
	Interior	EP	7	3.8	4.0	1.3	2.0	3.0	4.0	5.0	6.0
	Interior	NE1	12	6.4	6.9	3.4	4.0	5.0	5.5	8.8	16.0
	Interior	P33	12	8.6	10.0	6.4	5.0	5.3	7.5	13.3	27.0
	Interior	P34	8	4.3	4.5	1.7	3.0	3.0	4.5	5.0	8.0
	Interior	P35	7	7.5	7.7	2.0	6.0	6.0	7.0	10.0	11.0
	Interior	P36	12	10.9	21.2	34.7	5.0	6.0	7.0	13.5	122.0
	Interior	P37	6	3.4	3.5	1.0	2.0	2.8	3.5	4.3	5.0
	Interior	T24	2	5.7	6.0	2.8	4.0	0.0	6.0	0.0	8.0
	Interior	T33	6	5.2	6.6	3.9	<2.0	3.6	6.5	9.8	12.0
	Interior	TSB	7	7.0	7.9	3.8	3.0	4.0	8.0	12.0	13.0

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	57.8	65.9	38.0	30.0	37.8	52.0	86.3	148.0
	Inflow	Enr012	52	70.3	79.8	46.2	40.0	47.5	60.3	94.0	224.0
	Inflow	G310	52	65.5	73.3	36.5	29.0	44.0	61.5	102.8	164.0
	Inflow	G94d	15	81.7	101.2	66.0	21.0	48.0	92.0	125.0	253.0
	Inflow	S362	51	37.2	41.5	24.4	21.0	29.0	33.0	43.0	145.0
	Interior	Lox10	8	7.4	7.5	1.3	6.0	6.3	7.5	8.0	10.0
	Interior	Lox11	10	6.6	7.0	2.6	4.0	5.5	6.5	8.0	13.0
	Interior	Lox12	12	7.1	7.4	2.4	4.0	6.0	7.0	8.0	13.0
	Interior	Lox13	10	7.3	7.4	1.0	6.0	6.8	7.5	8.0	9.0
	Interior	Lox14	11	7.1	7.5	2.3	4.0	5.0	7.0	9.0	11.0
	Interior	Lox15	11	7.3	7.4	1.2	5.0	7.0	7.0	8.0	10.0
	Interior	Lox16	11	6.7	6.8	1.4	5.0	5.0	7.0	8.0	9.0
	Interior	Lox3	4	10.4	10.8	3.5	9.0	9.0	9.0	14.3	16.0
	Interior	Lox4	8	9.7	9.9	1.9	7.0	8.3	10.0	11.8	12.0
	Interior	Lox5	5	8.8	8.8	0.8	8.0	8.0	9.0	9.5	10.0
	Interior	Lox6	10	6.8	7.4	3.7	4.0	6.0	6.0	7.8	17.0
	Interior	Lox7	10	8.8	9.8	6.1	7.0	7.0	7.5	9.3	27.0
	Interior	Lox8	11	9.4	9.8	3.1	7.0	7.0	8.0	12.0	15.0
	Interior	Lox9	7	7.8	8.9	5.9	5.0	6.0	7.0	8.0	22.0
	Interior	Loxa101	3	7.6	7.7	1.5	6.0	6.0	8.0	9.0	9.0
	Interior	Loxa103	1	7.0	7.0	0.0	7.0	0.0	7.0	0.0	7.0
	Interior	Loxa105	2	14.7	17.5	13.4	8.0	0.0	17.5	0.0	27.0
	Interior	Loxa108	1	8.0	8.0	0.0	8.0	0.0	8.0	0.0	8.0
	Interior	Loxa124	4	9.8	10.3	3.1	6.0	7.0	11.0	12.8	13.0
	Interior	Loxa130	4	8.7	9.0	2.9	6.0	6.5	8.5	12.0	13.0
	Interior	Loxa136	1	18.0	18.0	0.0	18.0	0.0	18.0	0.0	18.0
	Interior	Loxa137	5	7.4	8.0	4.0	5.0	5.5	7.0	11.0	15.0
	Interior	Loxa140	2	7.0	7.0	0.0	7.0	0.0	7.0	0.0	7.0
	Interior	X1	7	31.8	39.0	29.6	13.0	21.0	30.0	51.0	100.0
	Interior	X2	8	17.5	24.0	22.6	7.0	11.3	13.5	44.3	66.0
	Interior	X3	10	10.3	14.5	17.0	4.0	7.0	9.5	13.1	62.0
	Interior	X4	14	10.4	15.3	17.3	4.0	6.0	8.0	16.0	58.0
	Interior	Y4	10	8.4	10.1	6.9	4.0	4.0	8.5	13.0	27.0
	Interior	Z1	8	31.2	33.8	15.1	18.0	21.5	34.0	38.0	66.0
	Interior	Z2	9	11.3	15.4	15.3	4.0	5.5	14.0	16.5	54.0
	Interior	Z3	10	9.4	12.7	12.3	4.0	4.0	9.5	13.9	45.0
	Interior	Z4	10	7.9	28.5	70.9	2.0	4.0	7.0	9.1	230.0
	Outflow	G94b	12	43.9	50.9	30.6	20.0	28.8	40.0	65.0	115.0
	Outflow	S10a	6	21.5	23.2	10.5	14.0	15.5	19.5	31.5	42.0
	Outflow	S10c	6	31.9	38.0	23.5	15.0	15.8	32.0	65.8	68.0
	Outflow	S10d	15	43.3	54.9	39.8	16.0	22.0	36.0	90.0	127.0
	Outflow	S39	15	25.0	27.1	14.3	18.0	19.0	25.0	29.0	76.0
	Rim	Loxa104	2	43.5	43.5	0.7	43.0	0.0	43.5	0.0	44.0
	Rim	Loxa135	2	52.3	55.5	26.2	37.0	0.0	55.5	0.0	74.0
	Rim	X0	11	34.8	51.4	41.3	4.0	18.0	45.0	77.0	130.0
	Rim	Z0	11	33.1	46.5	36.1	4.0	17.0	34.5	79.0	110.0

Area	Class	Station	Count	Geometric Mean	Arithmetic Average	Standard Deviation	Min	25th Percentile	Median	75th Percentile	Max
Water Conservation Area 2	Inflow	E0	9	24.7	41.1	43.5	4.0	12.5	20.0	77.5	120.0
	Inflow	F0	9	29.4	40.7	37.2	7.0	16.0	36.0	49.0	130.0
	Inflow	G335	52	21.7	24.4	12.4	11.0	14.3	21.0	31.4	55.0
	Inflow	S10a	6	21.5	23.2	10.5	14.0	15.5	19.5	31.5	42.0
	Inflow	S10c	6	31.9	38.0	23.5	15.0	15.8	32.0	65.8	68.0
	Inflow	S10d	15	43.3	54.9	39.8	16.0	22.0	36.0	90.0	127.0
	Inflow	S7	52	24.8	27.7	16.4	12.0	19.0	24.3	29.8	113.0
	Interior	404z1	1	33.0	33.0	0.0	33.0	0.0	33.0	0.0	33.0
	Interior	Ca215	16	6.3	6.5	1.9	5.0	5.0	6.0	7.0	12.0
	Interior	Ca217	3	7.0	7.0	1.0	6.0	6.0	7.0	8.0	8.0
	Interior	Ca222	3	6.5	6.7	2.1	5.0	5.0	6.0	9.0	9.0
	Interior	Ca224	1	7.0	7.0	0.0	7.0	0.0	7.0	0.0	7.0
	Interior	Ca26	1	6.0	6.0	0.0	6.0	0.0	6.0	0.0	6.0
	Interior	Ca27	13	12.1	12.5	4.1	9.0	10.0	11.0	13.5	24.0
	Interior	Ca28	12	39.3	47.8	33.7	16.0	21.5	40.5	66.3	130.0
	Interior	Ca29	14	8.7	9.4	4.1	4.0	6.8	8.5	11.3	21.0
	Interior	E1	8	30.8	45.9	34.3	4.0	13.5	45.5	80.5	92.0
	Interior	E2	2	19.1	20.0	8.5	14.0	0.0	20.0	0.0	26.0
	Interior	E3	5	13.6	16.3	9.7	4.0	9.3	15.0	24.0	31.0
	Interior	E4	7	11.8	13.5	5.9	3.0	9.0	15.0	18.0	21.0
	Interior	E5	12	4.2	4.8	2.4	2.0	2.5	4.0	6.8	9.5
	Interior	F1	14	39.3	53.9	43.0	4.0	29.8	38.5	83.3	164.0
	Interior	F2	18	45.8	63.1	53.0	10.0	25.3	39.0	91.8	194.0
	Interior	F3	10	18.2	21.8	14.1	8.0	11.0	17.3	30.0	50.0
	Interior	F4	18	17.3	23.9	27.1	4.0	13.5	16.0	22.0	120.0
	Interior	F5	11	6.4	7.1	3.6	4.0	4.0	6.0	10.0	14.5
	Interior	N1	6	24.9	29.0	20.6	14.0	16.3	23.0	37.8	70.0
	Interior	S145	16	14.1	15.8	8.2	8.0	10.3	12.5	22.0	32.0
	Interior	U1	13	6.3	7.7	5.5	2.0	4.0	6.0	10.0	22.0
	Interior	U2	8	6.9	8.0	4.7	4.0	4.0	7.0	10.8	17.0
	Interior	U3	10	5.2	5.4	1.5	4.0	4.0	5.0	7.0	8.0
	Outflow	S11a	15	14.9	17.5	11.8	7.0	10.0	12.0	23.0	51.0
	Outflow	S11b	13	16.4	19.7	14.5	8.0	10.5	15.0	21.5	60.0
	Outflow	S11c	16	18.0	21.2	14.4	9.0	11.3	15.5	28.8	64.0
	Outflow	S34	13	25.0	26.5	9.4	13.0	21.0	24.0	33.0	46.0
	Outflow	S38	19	14.4	17.5	12.5	7.0	9.0	11.0	24.0	50.0
	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	3ae0	5	48.7	65.4	55.7	13.0	27.5	55.0	108.5	160.0
	Inflow	3aw0	7	45.5	55.1	41.3	23.0	26.0	44.0	75.0	140.0
	Inflow	C123sr84	15	29.1	31.5	12.6	16.0	17.0	35.0	40.0	59.0
	Inflow	G123	52	17.8	20.2	11.9	10.0	12.0	16.0	21.0	65.0
	Inflow	G204	4	58.3	60.3	17.1	40.0	43.3	61.5	76.0	78.0
	Inflow	G205	4	43.3	46.3	18.8	26.0	28.5	45.5	64.8	68.0
	Inflow	G206	4	27.1	28.0	8.4	21.0	21.0	26.5	36.5	38.0
	Inflow	S11a	15	14.9	17.5	11.8	7.0	10.0	12.0	23.0	51.0
	Inflow	S11b	13	16.4	19.7	14.5	8.0	10.5	15.0	21.5	60.0
	Inflow	S11c	16	18.0	21.2	14.4	9.0	11.3	15.5	28.8	64.0
	Inflow	S140	52	36.1	37.6	10.8	20.0	28.4	36.5	46.9	68.5
	Inflow	S142	12	23.4	24.8	8.2	10.0	18.3	27.0	32.3	36.0
	Inflow	S150	52	22.0	24.7	17.0	12.0	17.0	21.0	25.0	121.0
	Inflow	S151	15	16.1	17.2	6.7	10.0	11.0	16.0	22.0	31.0
	Inflow	S190	49	36.7	50.1	59.0	12.5	24.5	31.0	41.5	288.5
	Inflow	S8	53	32.3	39.8	29.2	15.0	18.5	28.0	55.0	126.0
	Inflow	S9	51	11.9	12.2	3.0	8.0	10.0	12.0	13.5	20.0
	Interior	3ae05	3	85.0	99.0	70.2	55.0	55.0	62.0	180.0	180.0
	Interior	3ae10	3	70.1	157.3	219.1	20.0	20.0	42.0	410.0	410.0
	Interior	3ae15	3	16.3	17.7	9.1	11.0	11.0	14.0	28.0	28.0
	Interior	3ae20	5	8.5	9.4	4.4	4.0	5.0	10.0	13.5	15.0
	Interior	3ae40	5	3.6	3.7	1.0	2.0	3.0	4.0	4.3	4.5
	Interior	3anmeso	8	6.9	11.4	16.9	4.0	4.0	4.5	8.8	53.0
	Interior	3asmeso	12	7.6	10.6	10.8	2.0	4.0	7.0	13.5	41.0
	Interior	3aw05	3	88.3	102.8	64.2	42.0	42.0	96.5	170.0	170.0
	Interior	3aw10	3	91.4	212.0	301.5	29.0	29.0	47.0	560.0	560.0
	Interior	3aw15	3	69.3	100.3	85.8	19.0	19.0	92.0	190.0	190.0
	Interior	3aw20	4	18.5	20.5	10.0	10.0	11.0	21.0	29.5	30.0
	Interior	3aw40	5	5.1	5.4	1.9	4.0	4.0	4.0	7.5	8.0
	Interior	Ca311	17	7.0	7.8	3.9	4.0	4.5	7.0	10.5	17.0
	Interior	Ca314	4	5.9	7.3	5.9	3.0	3.5	5.0	13.3	16.0
	Interior	Ca315	24	7.4	8.0	3.3	4.0	5.3	7.0	11.0	15.0
	Interior	Ca316	18	8.9	9.8	5.4	5.0	7.0	8.0	9.3	26.0
	Interior	Ca317	25	6.7	6.9	1.5	4.0	6.0	7.0	8.0	10.0
	Interior	Ca318	23	9.7	11.4	9.8	5.0	7.0	9.0	11.0	53.0
	Interior	Ca319	4	8.2	13.0	16.0	5.0	5.0	5.0	29.0	37.0
	Interior	Ca32	9	9.0	9.2	2.0	7.0	8.0	9.0	10.0	14.0
	Interior	Ca325	1	8.0	8.0	0.0	8.0	0.0	8.0	0.0	8.0
	Interior	Ca33	8	17.4	20.0	12.0	10.0	10.8	14.0	30.0	43.0
	Interior	Ca34	7	11.6	12.4	5.1	7.0	8.0	11.0	18.0	20.0

Area	Class	Station	Count	Geometric Mean	Arithmetic Average	Standard Deviation	Min	25th Percentile	Median	75th Percentile	Max
Water Conservation Area 3	Interior	Ca35	5	10.5	10.8	3.1	8.0	8.5	10.0	13.5	16.0
	Interior	Ca36	7	30.0	30.9	7.9	22.0	22.0	31.0	38.0	42.0
	Interior	Ca38	8	6.2	6.4	1.5	5.0	5.0	6.0	7.8	9.0
	Interior	Ca39	4	5.7	7.0	6.0	4.0	4.0	4.0	13.0	16.0
	Interior	Ca3b1	3	5.5	5.7	1.5	4.0	4.0	6.0	7.0	7.0
	Interior	Ca3b2	3	5.0	5.3	2.3	4.0	4.0	4.0	8.0	8.0
	Interior	S345b6	4	9.0	30.8	53.5	3.0	3.3	4.5	84.5	111.0
	Outflow	S12a	16	25.0	34.4	23.3	6.0	9.0	37.0	55.0	70.0
	Outflow	S12b	15	20.3	26.1	16.7	6.0	9.0	32.0	42.0	52.0
	Outflow	S12c	52	14.1	15.6	7.2	7.0	9.0	13.5	21.5	31.1
	Outflow	S12d	14	14.9	18.1	15.4	9.0	9.0	13.5	19.5	68.0
	Outflow	S31	12	12.9	13.4	4.2	9.0	11.0	12.5	15.0	24.0
	Outflow	S333	51	15.2	16.3	6.1	7.9	9.7	16.9	20.3	36.6
	Outflow	S334	15	11.4	11.7	2.9	8.0	9.0	12.0	13.0	19.0
	Outflow	S344	4	37.9	47.5	33.2	14.0	17.5	44.0	81.0	88.0
	Outflow	Us41-25	25	24.7	29.6	19.2	7.0	15.5	23.0	40.5	77.0