

Appendix 2C-2: Annual Summary of Phosphorus Concentrations at Everglades Protection Area Monitoring Stations during Water Year 2005

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 2005.

Area	Class	Station	Geometric Mean	Count	Arithmetic Average	Standard Deviation	Min	25th Percentile	Median	75th Percentile	Max	
Everglades National Park	Inflow	S12A	19.5	20	26.3	21.1	6.0	9.3	19.0	41.0	67.0	
	Inflow	S12B	15.0	19	19.4	14.3	6.0	7.0	16.0	26.0	50.0	
	Inflow	S12C	12.2	20	15.1	10.4	5.0	6.0	12.5	20.5	41.0	
	Inflow	S12D	13.3	22	15.2	8.5	5.0	8.8	13.0	17.3	36.0	
	Inflow	S175	7.8	25	9.1	5.4	3.0	5.0	9.0	12.0	28.0	
	Inflow	S18C	5.5	47	6.0	2.9	2.0	4.0	5.5	7.0	18.0	
	Inflow	S332	6.7	25	7.6	3.6	3.0	4.0	7.0	11.0	15.0	
	Inflow	S332D	7.3	35	8.0	4.5	4.0	6.0	7.0	9.0	29.0	
	Inflow	S333	13.1	24	14.5	7.3	7.0	9.0	12.0	19.5	37.0	
	Inflow	S355A	19.4	11	23.8	15.8	8.0	10.0	18.0	41.0	49.0	
	Inflow	S355B	52.4	11	76.8	60.2	12.0	16.0	58.0	127.0	189.0	
	Interior	EP		1.9	5	2.0	0.7	1.0	1.5	2.0	2.5	3.0
	Interior	NE1		5.3	10	5.8	2.8	3.0	4.0	4.5	8.0	12.0
	Interior	NP201		6.9	10	16.1	24.6	2.0	3.0	4.0	23.5	64.0
	Interior	P33		6.5	10	7.8	5.0	3.0	3.8	6.0	12.5	17.0
	Interior	P34		3.4	7	3.6	1.1	2.0	3.0	3.0	5.0	5.0
	Interior	P35		8.9	7	11.6	11.2	5.0	6.0	7.0	14.0	36.0
	Interior	P36		8.5	10	12.0	12.3	4.0	4.8	6.5	15.8	41.0
	Interior	P37		2.0	5	2.2	0.8	1.0	1.5	2.0	3.0	3.0
	Interior	T24		2.0	2	2.0	0.0	2.0	NA	2.0	NA	2.0
Interior	T33		7.2	6	11.2	9.8	2.0	2.0	10.0	18.8	27.0	
Interior	TSB		3.4	7	4.4	3.6	1.0	2.0	3.0	5.0	12.0	

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	60.6	10	65.7	30.6	41.0	42.8	51.5	90.3	135.0
	Inflow	ENR012	58.8	50	69.0	44.9	24.0	39.5	56.0	85.8	237.5
	Inflow	G300	239.0	5	273.4	154.1	118.0	132.5	280.0	411.0	503.0
	Inflow	G301	258.0	1	258.0	NA	258.0	NA	258.0	NA	258.0
	Inflow	G310	67.8	50	82.6	50.3	23.0	32.5	76.3	112.0	211.5
	Inflow	G94D	81.7	11	100.1	77.4	43.0	52.0	68.0	117.0	264.0
	Interior	LOX10	11.4	9	11.8	3.2	8.0	9.0	12.0	13.5	18.0
	Interior	LOX11	10.9	10	11.7	5.6	8.0	8.8	9.0	14.3	26.0
	Interior	LOX12	12.9	12	16.2	12.6	6.0	7.3	9.5	20.5	47.0
	Interior	LOX13	9.6	10	9.7	1.3	8.0	9.0	9.5	10.0	13.0
	Interior	LOX14	8.3	10	8.6	2.5	6.0	6.8	8.0	11.3	13.0
	Interior	LOX15	8.7	11	10.1	8.1	6.0	6.0	8.0	10.0	34.0
	Interior	LOX16	8.9	10	9.6	4.4	5.0	6.8	8.0	11.0	20.0
	Interior	LOX3	17.2	4	20.5	13.5	8.0	9.0	18.0	34.5	38.0
	Interior	LOX4	14.0	9	17.2	14.8	8.0	9.5	12.0	19.5	54.0
	Interior	LOX5	11.9	3	12.0	2.0	10.0	10.0	12.0	14.0	14.0
	Interior	LOX6	7.2	9	7.8	3.9	5.0	5.5	6.0	9.0	17.0
	Interior	LOX7	11.2	10	11.8	4.0	8.0	8.0	11.0	14.5	20.0
	Interior	LOX8	10.4	10	11.5	6.1	6.0	7.0	9.5	15.3	26.0
	Interior	LOX9	9.9	6	10.5	4.0	7.0	7.0	10.0	12.8	18.0
	Interior	X1	46.2	9	51.1	26.0	25.0	30.0	45.0	61.5	110.0
	Interior	X2	15.7	10	17.3	8.8	8.0	12.3	15.0	19.9	39.0
	Interior	X3	12.8	11	14.2	8.4	8.0	9.0	12.0	15.0	38.0
	Interior	X4	19.8	11	28.4	35.0	9.0	12.0	16.0	24.0	130.0
	Interior	Y4	11.0	12	17.0	24.5	4.0	6.3	10.5	15.5	93.5
	Interior	Z1	34.1	11	45.3	47.1	16.0	20.0	28.0	47.0	180.0
	Interior	Z2	16.2	8	16.8	5.0	11.0	13.0	16.0	19.8	26.0
	Interior	Z3	12.9	11	15.5	12.6	6.0	10.0	13.0	16.0	52.0
	Interior	Z4	9.2	12	10.4	5.8	3.5	7.1	9.0	11.0	26.0
	Outflow	G94B	103.0	11	153.6	156.7	33.0	54.0	66.0	246.0	515.0
	Outflow	S10A	64.2	6	87.0	63.4	16.0	29.5	77.5	154.8	166.0
	Outflow	S10C	23.9	8	31.5	25.9	11.0	11.3	20.5	54.8	80.0
	Outflow	S10D	63.0	13	80.4	61.0	32.0	35.5	43.0	142.0	196.0
Outflow	S10E	61.8	8	72.3	47.1	32.0	38.0	55.5	100.5	171.0	
Outflow	S39	34.4	11	44.1	38.9	17.0	20.0	29.0	41.0	132.0	
Rim	X0	63.2	12	71.8	44.7	29.0	47.8	62.5	80.8	200.0	
Rim	Z0	51.7	11	56.5	23.3	19.0	39.5	55.0	74.0	94.5	

Area	Class	Station	Geometric Mean	Count	Arithmetic Average	Standard Deviation	Min	25th Percentile	Median	75th Percentile	Max
Water Conservation Area 2	Inflow	E0	58.8	13	71.5	42.9	17.0	35.5	59.0	104.0	160.0
	Inflow	F0	68.5	13	86.2	53.8	18.0	43.0	68.0	130.0	180.0
	Inflow	G335	15.9	51	17.2	7.3	8.0	12.0	14.5	21.0	45.0
	Inflow	S10A	64.2	6	87.0	63.4	16.0	29.5	77.5	154.8	166.0
	Inflow	S10C	23.9	8	31.5	25.9	11.0	11.3	20.5	54.8	80.0
	Inflow	S10D	63.0	13	80.4	61.0	32.0	35.5	43.0	142.0	196.0
	Inflow	S10E	61.8	8	72.3	47.1	32.0	38.0	55.5	100.5	171.0
	Inflow	S38B	37.8	2	40.0	18.4	27.0	NA	40.0	NA	53.0
	Inflow	S7	18.2	52	22.8	20.8	10.0	12.0	14.0	27.0	118.5
	Interior	CA215	7.0	17	8.3	6.7	3.0	5.0	6.0	7.0	31.0
	Interior	CA27	9.1	16	9.4	2.8	6.0	8.0	9.0	10.0	18.0
	Interior	CA28	24.9	9	27.1	12.6	14.0	17.0	23.0	32.5	55.0
	Interior	CA29	6.6	18	6.9	2.5	4.0	5.8	6.0	7.3	14.0
	Interior	E1	65.5	9	119.2	170.4	32.0	35.5	44.0	156.5	530.0
	Interior	E2	34.2	7	45.0	46.7	18.0	23.0	33.0	35.0	150.0
	Interior	E3	36.9	8	68.8	87.4	11.5	17.0	26.5	165.0	210.0
	Interior	E4	16.2	6	18.7	13.1	11.0	11.0	14.5	23.3	45.0
	Interior	E5	6.0	8	6.8	4.1	3.0	4.3	5.5	7.8	16.0
	Interior	F1	64.1	18	77.7	53.9	25.0	41.3	56.5	104.8	215.0
	Interior	F2	46.5	22	67.8	98.3	20.0	29.8	38.0	68.0	490.0
	Interior	F3	30.5	12	42.0	46.6	13.0	17.8	26.5	39.8	180.0
	Interior	F4	19.3	20	31.5	58.2	7.0	12.3	17.0	22.0	275.0
	Interior	F5	11.6	7	11.9	3.1	7.0	11.0	11.5	14.0	17.0
	Interior	S145	14.4	15	29.6	54.9	5.0	7.0	10.0	31.0	222.0
	Interior	U1	10.3	9	14.1	14.2	5.0	5.8	9.0	18.5	49.0
	Interior	U2	5.9	7	7.4	5.9	2.0	4.0	6.0	9.0	20.0
	Interior	U3	11.3	7	16.0	17.5	6.0	6.5	8.0	20.5	54.0
	Outflow	S11A	19.8	13	33.4	46.5	7.0	8.0	16.0	41.0	179.0
	Outflow	S11B	12.3	11	15.3	13.1	6.0	7.0	13.0	15.0	52.0
	Outflow	S11C	18.7	15	24.3	20.3	8.0	9.0	17.0	27.0	70.0
	Outflow	S34	18.2	16	20.1	9.9	9.0	13.3	16.5	24.5	42.0
	Outflow	S38	14.5	18	20.3	17.1	6.0	6.0	11.0	36.0	55.0

Area	Class	Station	Geometric Mean	Count	Arithmetic Average	Standard Deviation	Min	25th Percentile	Median	75th Percentile	Max
Water Conservation Area 3	Inflow	3AE0	60.0	9	65.9	32.8	35.0	42.0	55.0	82.5	140.0
	Inflow	3AW0	48.1	10	50.7	18.9	32.0	40.0	44.0	59.8	89.0
	Inflow	C123SR84	23.2	16	25.8	13.6	12.0	16.3	21.5	30.0	61.0
	Inflow	G123	21.2	51	24.6	16.4	9.0	15.0	19.0	31.0	108.0
	Inflow	G204	33.0	4	36.8	18.8	19.0	20.0	35.0	55.3	58.0
	Inflow	G205	43.1	4	45.3	17.3	32.0	32.8	39.5	63.5	70.0
	Inflow	G206	26.8	4	28.8	13.3	20.0	20.0	23.5	42.8	48.0
	Inflow	S11A	19.8	13	33.4	46.5	7.0	8.0	16.0	41.0	179.0
	Inflow	S11B	12.3	11	15.3	13.1	6.0	7.0	13.0	15.0	52.0
	Inflow	S11C	18.7	15	24.3	20.3	8.0	9.0	17.0	27.0	70.0
	Inflow	S140	37.6	51	39.8	14.3	20.0	30.0	38.0	44.0	78.0
	Inflow	S142	21.6	20	33.5	47.9	7.0	12.0	18.0	29.3	219.0
	Inflow	S150	18.1	50	21.2	15.2	8.0	13.0	15.0	24.9	89.0
	Inflow	S151	16.2	13	19.2	12.7	8.0	10.0	13.0	30.5	49.0
	Inflow	S190	50.8	30	60.1	37.0	20.0	31.0	47.0	89.3	162.0
	Inflow	S8	23.5	53	27.6	18.9	10.0	15.5	21.5	34.0	97.0
	Inflow	S9	14.9	51	16.4	8.8	9.0	11.5	13.0	18.0	53.0
	Interior	3AE05	90.1	2	99.0	58.0	58.0	NA	99.0	NA	140.0
	Interior	3AE10	38.6	5	42.4	19.6	23.0	23.5	40.0	62.5	64.0
	Interior	3AE15	12.7	7	13.2	3.9	9.0	9.0	12.0	18.0	18.5
	Interior	3AE20	5.6	9	6.8	3.8	2.0	3.0	6.0	10.5	12.0
	Interior	3AE40	3.9	8	4.9	3.8	2.0	2.0	3.5	6.8	13.0
	Interior	3ANMESO	3.6	9	4.2	2.5	2.0	2.0	4.0	6.0	9.0
	Interior	3ASMESO	3.6	9	3.9	1.5	2.0	2.0	4.0	5.0	6.0
	Interior	3AW05	73.5	5	110.7	129.4	29.0	36.5	68.0	206.3	340.0
	Interior	3AW10	45.0	6	47.3	16.0	27.0	32.3	46.0	64.3	68.0
	Interior	3AW15	38.9	6	42.0	18.5	21.0	29.3	37.0	56.8	74.0
	Interior	3AW20	17.9	6	18.8	7.0	13.0	13.4	17.0	23.0	32.0
	Interior	3AW40	7.1	9	8.7	4.5	2.0	4.5	9.0	13.0	13.5
	Interior	CA311	7.0	17	7.4	3.1	4.0	6.0	6.0	7.5	15.0
	Interior	CA315	8.2	18	10.3	9.0	4.0	5.0	7.0	13.3	42.0
	Interior	CA316	10.6	19	11.7	6.1	6.0	8.0	10.0	12.0	29.0
	Interior	CA317	6.0	22	6.2	1.8	4.0	5.0	6.0	7.0	12.0
	Interior	CA318	8.9	19	9.8	4.8	5.0	7.0	8.0	11.0	22.0
	Interior	CA32	7.6	8	8.1	3.3	5.0	6.0	7.0	10.3	15.0
	Interior	CA33	15.0	11	18.4	16.4	9.0	11.0	12.0	18.0	65.0
	Interior	CA34	7.8	9	8.2	2.9	5.0	5.5	8.0	10.5	13.0
	Interior	CA35	11.3	7	14.6	14.8	6.0	9.0	9.0	11.0	48.0
	Interior	CA36	61.0	5	68.0	31.3	27.0	35.5	78.0	95.5	101.0
	Interior	CA38	5.6	11	5.9	1.8	3.0	4.0	6.0	7.0	9.0
	Outflow	S12A	19.5	20	26.3	21.1	6.0	9.3	19.0	41.0	67.0
	Outflow	S12B	15.0	19	19.4	14.3	6.0	7.0	16.0	26.0	50.0
	Outflow	S12C	12.2	20	15.1	10.4	5.0	6.0	12.5	20.5	41.0
	Outflow	S12D	13.3	22	15.2	8.5	5.0	8.8	13.0	17.3	36.0
	Outflow	S197	6.0	1	6.0	*	6.0	NA	6.0	NA	6.0
	Outflow	S31	11.3	9	11.6	2.5	9.0	9.5	11.0	13.5	16.0
	Outflow	S333	13.1	24	14.5	7.3	7.0	9.0	12.0	19.5	37.0
Outflow	S334	12.4	17	12.6	2.6	9.0	10.5	13.0	15.0	18.0	
Outflow	S344	25.5	3	35.3	34.6	11.0	11.0	20.0	75.0	75.0	
Outflow	S355A	19.4	11	23.8	15.8	8.0	10.0	18.0	41.0	49.0	
Outflow	S355B	52.4	11	76.8	60.2	12.0	16.0	58.0	127.0	189.0	
Outflow	US41-25	21.9	25	29.8	27.8	8.0	12.0	17.0	40.0	124.0	