Appendix 3A-4: Water Year 2016 Total Phosphorus and Total Nitrogen Concentrations at Individual Stations

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In this appendix, **Table 1** provides statistical summaries of total phosphorous (TP) for each station during Water Year 2016 (WY2016) (May 1, 2015–April 30, 2016) within the Everglades Protection Area (EPA). **Table 2** provides statistical summaries of total nitrogen (TN) for each station during WY2016 within the EPA. **Table 3** summarizes the annual geometric mean TP Kendall trend analysis results for each monitoring station within the EPA from WY1979 to WY2016. The EPA includes Arthur R. Marshall Loxahatchee National Wildlife LNWR (LNWR, also known as Water Conservation Area [WCA] 1), WCA-2, WCA-3, and Everglades National Park (ENP). Area and class of each station is identified.

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Table 1. Summary of annual TP concentrations [micrograms per liter (µg/L)] at the inflow, rim, interior marsh, and outflow monitoring stations in the EPA during WY2016.

Area	Class	Station	Geometric Mean	Geometric Standard Deviation	Arithmetic Mean	Standard Deviation	25th Quartile	Median	75th Quartile	Minimum	Maximum	Sample Size
LNWR	Inflow[b]	ENR012	18.9	4.0	19.4	4.6	15.8	19.5	21.3	13.0	32.0	64
LNWR	Inflow[a]	ENR012	16.2	4.0	16.5	3.2	14.5	16.0	18.0	13.0	25.0	29
LNWR	Inflow[b]	G310	24.1	4.7	26.5	15.6	19.0	21.0	28.0	14.0	116.0	63
LNWR	Inflow[a]	G310	25.0	4.7	27.9	17.5	20.0	21.0	29.5	15.5	116.0	47
LNWR	Inflow[b]	G338	63.5	---	74.0	44.0	44.3	64.0	93.5	19.0	245.0	63
LNWR	Inflow[a]	G338	---	---	---	---	---	---	---	---	---	0
LNWR	Inflow[b]	S362	17.7	4.4	19.8	13.9	13.6	16.0	20.0	9.5	117.0	70
LNWR	Inflow[a]	S362	17.7	4.4	19.9	14.1	13.4	16.0	20.0	9.5	117.0	68
LNWR	Interior	LOX10	7.5	3.4	7.9	3.0	6.8	7.0	8.0	5.0	15.0	8
LNWR	Interior	LOX11	6.7	3.3	7.1	3.0	5.3	6.0	7.0	5.0	15.0	10
LNWR	Interior	LOX12	7.9	3.6	8.7	4.1	6.0	7.0	11.3	5.0	19.0	12
LNWR	Interior	LOX13	6.7	3.2	6.9	1.9	6.0	6.5	8.5	4.0	10.0	10
LNWR	Interior	LOX14	7.0	3.6	8.0	4.7	5.0	5.5	10.3	4.0	17.0	12
LNWR	Interior	LOX15	5.8	3.0	5.9	1.1	5.0	6.0	6.5	4.0	8.0	11
LNWR	Interior	LOX16	7.9	3.3	8.1	1.8	7.0	8.0	9.0	6.0	11.0	11
LNWR	Interior	LOX3	7.0	3.4	7.4	2.8	5.0	7.0	8.3	5.0	13.0	8
LNWR	Interior	LOX4	8.8	3.8	9.9	5.9	6.3	8.0	9.5	5.0	23.0	10
LNWR	Interior	LOX5	7.4	3.3	7.6	2.1	6.0	7.0	8.3	6.0	12.0	8
LNWR	Interior	LOX6	7.1	3.5	7.8	3.7	5.0	7.0	8.0	4.0	16.0	9
LNWR	Interior	LOX7	7.7	3.4	8.0	2.7	7.0	7.0	8.5	5.0	15.0	10
LNWR	Interior	LOX8	8.2	3.4	8.5	2.7	7.0	7.5	9.5	6.0	14.0	10
LNWR	Interior	LOX9	6.6	3.2	6.8	1.7	5.8	6.5	7.3	5.0	10.0	8
LNWR	Interior	LOXA101	14.4	4.6	18.1	17.0	10.8	11.5	15.0	8.0	59.0	8
LNWR	Interior	LOXA104.5	19.1	4.4	20.6	10.0	15.5	18.5	20.5	12.0	44.0	8
LNWR	Interior	LOXA105	16.9	4.9	23.0	26.5	11.5	14.0	17.5	10.0	88.0	8
LNWR	Interior	LOXA106	11.3	3.9	12.4	6.6	8.8	11.5	12.0	7.0	28.0	8
LNWR	Interior	LOXA107	10.8	3.7	11.1	3.3	9.8	10.5	11.5	7.0	18.0	8
LNWR	Interior	LOXA107U	8.9	3.5	9.3	2.8	7.8	9.0	9.5	6.0	15.0	8
LNWR	Interior	LOXA108	7.1	3.2	7.3	1.8	6.0	7.0	8.5	5.0	10.0	7
LNWR	Interior	LOXA124	16.7	4.3	17.8	7.0	13.0	14.5	21.3	11.0	31.0	8
LNWR	Interior	LOXA130	9.4	3.6	9.8	3.2	8.0	9.0	9.8	7.0	16.0	10

Table 1. Continued.

Area	Class	Station	Geometric Mean	Geometric Standard Deviation	Arithmetic Mean	Standard Deviation	25th Quartile	Median	75th Quartile	Minimum	Maximum	Sample Size
LNWR	Interior	LOXA136	15.6	4.2	16.5	5.9	13.3	14.5	21.3	9.0	26.0	8
LNWR	Interior	LOXA137	9.3	3.7	10.1	5.1	8.0	9.0	10.0	5.0	23.0	9
LNWR	Interior	LOXA138	6.1	3.3	6.8	3.8	5.0	5.5	6.3	4.0	16.0	8
LNWR	Interior	LOXA139	6.9	3.2	7.1	2.2	6.0	6.0	8.0	5.0	12.0	8
LNWR	Interior	LOXA140	9.8	4.0	11.4	8.5	7.5	9.5	10.0	6.0	32.0	8
LNWR	Interior	X1	23.3	4.4	23.9	5.2	22.0	23.0	27.5	15.0	30.0	7
LNWR	Interior	X4	8.4	3.3	8.5	1.6	8.0	8.5	9.0	6.0	12.0	10
LNWR	Interior	Z1	18.6	4.5	20.1	9.3	15.5	18.0	21.5	10.0	39.0	7
LNWR	Interior	Z2	11.3	3.8	11.8	3.6	8.8	10.5	15.0	8.0	18.0	16
LNWR	Interior	Z3	7.3	3.4	7.7	2.6	6.0	7.0	10.0	4.0	12.0	20
LNWR	Interior	Z4	5.9	3.0	6.0	1.3	5.0	6.0	7.0	4.0	8.0	20
LNWR	Outflow[b]	S10A	11.1	3.4	11.3	2.3	10.0	11.0	12.0	8.0	18.0	14
LNWR	Outflow[a]	S10A	9.4	3.5	9.5	2.1	8.8	9.5	10.3	8.0	11.0	2
LNWR	Outflow[b]	S10C	11.1	3.5	11.6	3.8	10.0	11.0	12.0	6.0	23.0	14
LNWR	Outflow[a]	S10C	9.0	3.6	9.3	3.1	8.0	10.0	11.0	6.0	12.0	3
LNWR	Outflow[b]	S10D	19.5	5.1	23.1	21.1	15.0	18.0	20.0	13.0	98.0	15
LNWR	Outflow[a]	S10D	33.4	6.0	45.7	45.3	19.5	20.0	59.0	19.0	98.0	3
LNWR	Outflow[b]	S39	13.5	4.3	16.0	13.1	10.0	12.0	14.3	6.0	66.0	24
LNWR	Outflow[a]	S39	14.0	4.5	17.6	16.8	10.0	12.0	12.8	9.0	66.0	14
LNWR	Rim	LOXA104	22.2	4.3	22.6	4.0	20.8	23.0	25.3	14.0	29.0	12
LNWR	Rim	LOXA135	17.3	4.2	17.9	5.4	14.5	17.5	19.3	12.0	32.0	12
LNWR	Rim	Z0	20.0	4.2	20.3	3.8	18.3	19.0	20.8	15.0	30.0	22
WCA-2	Inflow[b]	G335	15.3	4.0	15.8	4.6	13.0	15.0	18.0	9.0	33.0	69
WCA-2	Inflow[a]	G335	15.1	4.0	15.7	4.4	12.0	14.5	18.0	9.5	33.0	47
WCA-2	Inflow[b]	G436	14.8	4.0	15.3	4.1	12.0	15.0	18.0	8.0	29.0	76
WCA-2	Inflow[a]	G436	15.3	4.0	15.7	3.7	13.0	15.3	18.0	8.0	24.0	66
WCA-2	Inflow[b]	S10A	11.1	3.4	11.3	2.3	10.0	11.0	12.0	8.0	18.0	14
WCA-2	Inflow[a]	S10A	9.4	3.5	9.5	2.1	8.8	9.5	10.3	8.0	11.0	2
WCA-2	Inflow[b]	S10C	11.1	3.5	11.6	3.8	10.0	11.0	12.0	6.0	23.0	14
WCA-2	Inflow[a]	S10C	9.0	3.6	9.3	3.1	8.0	10.0	11.0	6.0	12.0	3
WCA-2	Inflow[b]	S10D	19.5	5.1	23.1	21.1	15.0	18.0	20.0	13.0	98.0	15
WCA-2	Inflow[a]	S10D	33.4	6.0	45.7	45.3	19.5	20.0	59.0	19.0	98.0	3

Table 1. Continued.

Area	Class	Station	Geometric Mean	Geometric Standard Deviation	Arithmetic Mean	Standard Deviation	25th Quartile	Median	75th Quartile	Minimum	Maximum	Sample Size
WCA-2	Inflow[b]	S7	13.8	4.0	14.6	5.7	11.0	13.5	16.0	8.0	35.0	40
WCA-2	Inflow[a]	S7	13.2	3.9	13.7	3.5	11.0	14.0	16.0	8.0	22.0	23
WCA-2	Interior	2AN.25	16.7	4.1	17.2	4.2	13.8	17.0	19.5	11.0	25.0	12
WCA-2	Interior	2AN1	17.2	4.3	18.4	7.4	14.0	18.0	19.5	9.0	36.0	11
WCA-2	Interior	2AN2	10.6	3.8	11.1	3.6	8.0	11.5	13.0	6.0	16.0	10
WCA-2	Interior	2AN4	7.8	3.6	8.6	5.3	6.0	7.0	7.5	6.0	24.0	11
WCA-2	Interior	2AN6	6.9	3.3	7.3	2.6	5.5	7.0	8.5	4.0	13.0	11
WCA-2	Interior	404C2	7.8	3.3	7.9	1.6	7.0	8.0	8.5	6.0	11.0	11
WCA-2	Interior	404Z1	20.0	4.8	24.6	21.1	14.0	15.0	24.0	12.0	78.0	9
WCA-2	Interior	C0.25	13.0	3.8	13.3	2.8	11.5	13.0	15.0	9.0	17.0	11
WCA-2	Interior	CA217	5.0	2.9	5.2	1.4	4.3	5.0	6.0	3.0	8.0	10
WCA-2	Interior	CA222	5.3	3.1	5.7	2.7	4.0	5.0	6.0	3.0	13.0	11
WCA-2	Interior	CA223	28.0	5.4	35.0	27.9	20.5	25.0	37.8	11.0	88.0	6
WCA-2	Interior	CA224	6.6	3.2	6.7	1.5	6.0	7.0	8.0	4.0	9.0	11
WCA-2	Interior	CA26	4.8	2.8	4.9	1.2	4.0	5.0	6.0	3.0	7.0	12
WCA-2	Interior	CA27	5.8	2.9	5.8	0.8	5.0	6.0	6.0	5.0	7.0	10
WCA-2	Interior	CA28	16.2	4.2	17.0	6.0	13.0	14.0	21.0	12.0	27.0	9
WCA-2	Interior	CA29	4.0	2.7	4.1	1.1	3.0	4.0	5.0	3.0	6.0	9
WCA-2	Interior	FS0.25	17.6	4.2	18.4	5.2	15.5	18.0	22.5	9.0	25.0	10
WCA-2	Interior	FS1	15.3	4.1	16.1	5.6	12.5	16.0	18.5	9.0	26.0	7
WCA-2	Interior	S145	9.3	3.7	10.0	4.0	7.3	9.0	13.5	5.0	19.0	18
WCA-2	Interior	U1	6.9	3.3	7.2	2.4	5.3	7.0	7.0	5.0	12.0	10
WCA-2	Interior	U3	4.9	2.9	5.1	1.6	4.0	5.0	5.0	4.0	9.0	9
WCA-2	Interior	WCA-2C4	5.5	2.9	5.6	1.1	5.0	5.5	6.0	4.0	8.0	10
WCA-2	Interior	WCA-2C5	4.7	2.8	4.8	1.1	4.0	5.0	5.0	3.0	7.0	10
WCA-2	Interior	WCA-2F1	22.9	4.5	24.3	10.0	20.5	22.5	23.0	15.0	48.0	8
WCA-2	Interior	WCA-2F2	14.2	3.9	14.6	3.7	12.0	14.0	15.5	11.0	22.0	7
WCA-2	Interior	WCA-2F4	10.8	3.7	11.3	3.4	9.0	10.0	13.5	7.0	17.0	8
WCA-2	Interior	WCA-2F5	6.3	3.1	6.5	1.8	5.5	6.0	6.5	5.0	11.0	11
WCA-2	Outflow[b]	S11A	12.6	4.0	15.2	9.8	7.0	14.0	21.0	4.0	48.0	24
WCA-2	Outflow[a]	S11A	8.3	3.6	9.0	4.0	6.3	7.5	10.8	4.0	18.0	14
WCA-2	Outflow[b]	S11B	10.8	3.7	12.0	5.7	7.0	12.0	15.0	5.0	25.0	13

Table 1. Continued.

Area	Class	Station	Geometric Mean	Geometric Standard Deviation	Arithmetic Mean	Standard Deviation	25th Quartile	Median	75th Quartile	Minimum	Maximum	Sample Size
WCA-2	Outflow[a]	S11B	8.2	3.7	9.0	4.1	6.0	7.0	11.5	5.0	16.0	7
WCA-2	Outflow[b]	S11C	11.9	3.7	12.7	5.3	9.5	11.0	14.5	7.0	25.0	15
WCA-2	Outflow[a]	S11C	9.2	3.5	9.5	2.7	7.3	9.0	10.8	7.0	14.0	6
WCA-2	Outflow[b]	S34	13.6	---	14.3	4.4	12.0	13.0	16.0	5.0	24.0	25
WCA-2	Outflow[a]	S34	---	---	---	---	---	---	---	---	---	0
WCA-2	Outflow[b]	S38	12.0	4.0	13.0	5.6	9.0	12.5	15.3	6.0	29.0	24
WCA-2	Outflow[a]	S38	12.0	4.0	13.1	5.5	9.0	13.5	15.3	6.0	29.0	20
WCA-3	Inflow[b]	G204	88.6	---	97.4	43.2	80.0	90.0	124.0	40.0	153.0	5
WCA-3	Inflow[a]	G204	---	---	---	---	---	---	---	---	---	0
WCA-3	Inflow[b]	G205	161.5	---	199.3	143.9	88.0	164.5	275.8	82.0	386.0	4
WCA-3	Inflow[a]	G205	---	---	---	---	---	---	---	---	---	0
WCA-3	Inflow[b]	G206	40.1	---	45.8	26.2	31.0	32.0	63.0	20.0	83.0	5
WCA-3	Inflow[a]	G206	---	---	---	---	---	---	---	---	---	0
WCA-3	Inflow[b]	G344E	22.7	4.3	23.2	4.9	20.0	23.0	25.0	14.5	38.0	58
WCA-3	Inflow[a]	G344E	22.1	4.3	22.5	4.1	21.0	23.0	25.0	14.5	30.0	17
WCA-3	Inflow[b]	G344F	20.8	4.3	21.5	5.4	18.0	21.0	24.0	12.0	36.0	59
WCA-3	Inflow[a]	G344F	20.5	4.3	21.1	5.3	17.4	21.0	23.0	14.0	35.0	20
WCA-3	Inflow[b]	G344G	30.3	4.6	31.1	7.5	26.0	29.5	34.0	19.0	60.0	58
WCA-3	Inflow[a]	G344G	29.6	4.6	30.4	7.1	27.0	29.0	33.5	19.0	48.0	17
WCA-3	Inflow[b]	G344H	31.6	5.0	32.9	10.2	26.0	30.0	36.0	20.0	66.5	57
WCA-3	Inflow[a]	G344H	38.9	5.0	40.4	11.6	32.0	35.8	48.5	25.0	66.5	16
WCA-3	Inflow[b]	G344I	34.3	4.9	35.6	10.3	28.0	33.5	38.3	19.0	68.0	60
WCA-3	Inflow[a]	G344I	37.8	5.0	39.5	12.5	31.4	36.8	43.4	23.0	68.0	24
WCA-3	Inflow[b]	G344J	38.8	5.2	41.4	15.3	29.0	37.0	50.0	19.0	79.5	61
WCA-3	Inflow[a]	G344J	45.4	5.2	48.1	16.5	33.8	46.3	59.8	23.0	79.5	26
WCA-3	Inflow[b]	G344K	35.0	5.0	36.4	10.6	29.0	35.0	43.5	21.0	63.5	59
WCA-3	Inflow[a]	G344K	38.9	5.0	40.5	11.2	33.0	39.5	48.0	23.5	63.5	25
WCA-3	Inflow[b]	G352B	37.8	5.9	46.3	36.2	24.0	31.0	44.0	18.0	163.0	45
WCA-3	Inflow[a]	G352B	60.2	6.3	77.0	51.1	36.5	72.0	104.8	18.0	163.0	14
WCA-3	Inflow[b]	G354C	31.0	5.5	39.8	38.1	20.0	25.0	42.5	12.0	220.0	40
WCA-3	Inflow[a]	G354C	38.3	5.5	45.7	29.1	22.5	40.0	58.0	15.5	118.0	13
WCA-3	Inflow[b]	G393B	30.0	---	32.7	15.2	23.0	27.0	42.0	16.5	84.0	37

Table 1. Continued.

Area	Class	Station	Geometric Mean	Geometric Standard Deviation	Arithmetic Mean	Standard Deviation	25th Quartile	Median	75th Quartile	Minimum	Maximum	Sample Size
WCA-3	Inflow[a]	G393B	---	---	---	---	---	---	---	---	---	0
WCA-3	Inflow[b]	L3BRS	24.8	---	26.9	11.6	17.5	22.0	34.5	13.0	64.0	51
WCA-3	Inflow[a]	L3BRS	---	---	---	---	---	---	---	---	---	0
WCA-3	Inflow[b]	S11A	12.6	4.0	15.2	9.8	7.0	14.0	21.0	4.0	48.0	24
WCA-3	Inflow[a]	S11A	8.3	3.6	9.0	4.0	6.3	7.5	10.8	4.0	18.0	14
WCA-3	Inflow[b]	S11B	10.8	3.7	12.0	5.7	7.0	12.0	15.0	5.0	25.0	13
WCA-3	Inflow[a]	S11B	8.2	3.7	9.0	4.1	6.0	7.0	11.5	5.0	16.0	7
WCA-3	Inflow[b]	S11C	11.9	3.7	12.7	5.3	9.5	11.0	14.5	7.0	25.0	15
WCA-3	Inflow[a]	S11C	9.2	3.5	9.5	2.7	7.3	9.0	10.8	7.0	14.0	6
WCA-3	Inflow[b]	S140	49.4	5.4	53.3	24.5	39.3	47.8	58.3	26.0	139.5	58
WCA-3	Inflow[a]	S140	51.2	5.4	55.3	25.1	41.6	49.5	61.1	26.0	139.5	52
WCA-3	Inflow[b]	S150	11.4	3.7	11.6	2.6	10.0	12.0	13.0	7.0	18.0	33
WCA-3	Inflow[a]	S150	11.8	3.7	12.0	2.4	10.0	12.0	14.3	8.0	15.0	16
WCA-3	Inflow[b]	S190	47.3	6.0	60.0	52.5	28.8	45.0	63.0	22.0	259.5	59
WCA-3	Inflow[a]	S190	58.8	6.0	73.7	58.7	36.6	53.5	76.8	24.0	259.5	40
WCA-3	Inflow[b]	S8	14.0	4.0	14.5	4.3	11.0	13.0	17.0	10.0	28.0	59
WCA-3	Inflow[a]	S8	15.3	4.0	15.9	4.4	13.0	14.5	19.0	10.0	28.0	26
WCA-3	Inflow[b]	S9	12.6	4.1	13.3	4.8	10.0	12.0	15.0	8.0	27.0	65
WCA-3	Inflow[a]	S9	14.6	4.1	15.3	5.1	12.0	14.0	16.9	8.0	27.0	26
WCA-3	Inflow[b]	S9A	11.7	3.7	12.1	3.5	10.0	11.0	13.1	8.0	28.0	60
WCA-3	Inflow[a]	S9A	11.3	3.7	11.6	3.3	10.0	11.0	12.0	8.0	28.0	46
WCA-3	Interior	3ASMESO	4.6	2.9	4.8	1.2	3.8	5.0	6.0	3.0	6.0	12
WCA-3	Interior	CA311	4.4	3.1	5.0	3.6	4.0	4.0	4.0	3.0	15.0	10
WCA-3	Interior	CA314	5.2	2.8	5.3	0.8	5.0	5.0	5.3	4.0	7.0	12
WCA-3	Interior	CA315	4.4	2.7	4.5	0.9	4.0	5.0	5.0	3.0	6.0	11
WCA-3	Interior	CA316	6.7	3.2	6.9	1.8	5.8	6.5	7.5	5.0	10.0	8
WCA-3	Interior	CA317	5.0	3.0	5.3	1.8	4.0	5.0	5.3	3.0	10.0	12
WCA-3	Interior	CA318	7.7	3.3	7.9	1.9	7.0	8.0	9.0	5.0	11.0	9
WCA-3	Interior	CA319	4.7	2.8	4.8	1.1	4.0	5.0	5.0	3.0	7.0	11
WCA-3	Interior	CA32	6.1	3.2	6.4	2.2	5.5	6.0	6.5	4.0	11.0	7
WCA-3	Interior	CA324	12.8	3.9	13.4	4.8	10.5	12.0	15.0	9.0	22.0	7
WCA-3	Interior	CA325	5.5	3.2	5.9	2.4	5.0	6.0	7.0	3.0	11.0	9

Table 1. Continued.

Area	Class	Station	Geometric Mean	Geometric Standard Deviation	Arithmetic Mean	Standard Deviation	25th Quartile	Median	75th Quartile	Minimum	Maximum	Sample Size
WCA-3	Interior	CA33	8.6	3.5	8.9	2.8	7.0	8.5	9.3	6.0	15.0	8
WCA-3	Interior	CA34	6.8	3.2	7.0	2.2	6.0	6.0	7.3	5.0	12.0	8
WCA-3	Interior	CA35	6.8	3.1	6.9	1.1	6.5	7.0	7.5	5.0	8.0	7
WCA-3	Interior	CA36	23.6	5.6	37.6	52.1	14.0	19.0	24.5	12.0	155.0	7
WCA-3	Interior	CA38	4.0	2.6	4.1	0.8	3.8	4.0	5.0	3.0	5.0	8
WCA-3	Interior	CA39	6.8	3.3	7.1	2.2	5.0	6.0	9.0	5.0	11.0	9
WCA-3	Interior	CA3B1	4.6	3.2	5.2	2.9	3.0	4.0	7.0	3.0	11.0	9
WCA-3	Interior	CA3B2	5.1	2.8	5.2	1.0	5.0	5.0	6.0	4.0	7.0	9
WCA-3	Interior	S345B6	4.1	2.7	4.2	0.9	4.0	4.0	4.8	3.0	6.0	10
WCA-3	Outflow[b]	S12A	14.9	3.7	17.4	11.0	10.0	13.0	23.0	5.0	91.0	345
WCA-3	Outflow[a]	S12A	7.3	3.2	7.5	1.7	7.0	7.0	8.0	6.0	14.0	22
WCA-3	Outflow[b]	S12B	6.6	3.1	6.8	1.6	6.0	6.0	7.0	5.0	10.0	9
WCA-3	Outflow[a]	S12B	6.6	3.1	6.8	1.6	6.0	6.0	7.0	5.0	10.0	9
WCA-3	Outflow[b]	S12C	5.7	3.0	5.8	1.4	5.0	6.0	7.0	4.0	9.0	27
WCA-3	Outflow[a]	S12C	5.7	3.0	5.8	1.4	5.0	6.0	7.0	4.0	9.0	27
WCA-3	Outflow[b]	S12D	7.1	3.5	7.5	2.5	6.0	7.5	8.0	4.0	16.0	30
WCA-3	Outflow[a]	S12D	8.0	3.4	8.3	2.5	7.0	8.0	9.0	4.0	16.0	21
WCA-3	Outflow[b]	S142	13.2	---	14.7	6.8	9.0	13.0	20.5	6.0	25.0	12
WCA-3	Outflow[a]	S142	---	---	---	---	---	---	---	---	---	0
WCA-3	Outflow[b]	S31	12.9	---	13.5	4.1	11.0	12.0	15.0	8.0	22.0	17
WCA-3	Outflow[a]	S31	---	---	---	---	---	---	---	---	---	0
WCA-3	Outflow[b]	S333	11.9	3.8	12.8	6.0	9.0	12.0	14.6	6.0	56.0	360
WCA-3	Outflow[a]	S333	11.2	3.9	12.5	8.1	8.0	10.0	13.0	6.0	56.0	173
WCA-3	Outflow[b]	S334	9.0	---	10.1	5.8	7.0	8.0	12.8	4.0	33.0	26
WCA-3	Outflow[a]	S334	---	---	---	---	---	---	---	---	---	0
WCA-3	Outflow[b]	S344	20.4	---	24.8	16.0	12.0	25.5	38.3	9.0	39.0	4
WCA-3	Outflow[a]	S344	---	---	---	---	---	---	---	---	---	0
WCA-3	Outflow[b]	S355A	20.9	---	29.5	22.3	8.0	29.0	38.0	6.0	65.0	13
WCA-3	Outflow[a]	S355A	---	---	---	---	---	---	---	---	---	0
WCA-3	Outflow[b]	S355B	26.2	6.3	63.3	75.8	7.8	17.0	123.0	6.0	213.0	16
WCA-3	Outflow[a]	S355B	8.2	3.7	9.0	4.8	6.0	7.0	10.0	6.0	16.0	4
WCA-3	Outflow[b]	US41-25	12.7	3.7	14.1	7.6	9.0	12.0	14.0	7.0	34.0	19

Table 1. Continued.

Area	Class	Station	Geometric Mean	Geometric Standard Deviation	Arithmetic Mean	Standard Deviation	25th Quartile	Median	75th Quartile	Minimum	Maximum	Sample Size
WCA-3	Outflow[a]	US41-25	9.0	3.2	9.0	0.0	9.0	9.0	9.0	9.0	9.0	4
ENP	Inflow[b]	S12A	14.9	3.7	17.4	11.0	10.0	13.0	23.0	5.0	91.0	345
ENP	Inflow[a]	S12A	7.3	3.2	7.5	1.7	7.0	7.0	8.0	6.0	14.0	22
ENP	Inflow[b]	S12B	6.6	3.1	6.8	1.6	6.0	6.0	7.0	5.0	10.0	9
ENP	Inflow[a]	S12B	6.6	3.1	6.8	1.6	6.0	6.0	7.0	5.0	10.0	9
ENP	Inflow[b]	S12C	5.7	3.0	5.8	1.4	5.0	6.0	7.0	4.0	9.0	27
ENP	Inflow[a]	S12C	5.7	3.0	5.8	1.4	5.0	6.0	7.0	4.0	9.0	27
ENP	Inflow[b]	S12D	7.1	3.5	7.5	2.5	6.0	7.5	8.0	4.0	16.0	30
ENP	Inflow[a]	S12D	8.0	3.4	8.3	2.5	7.0	8.0	9.0	4.0	16.0	21
ENP	Inflow[b]	S18C	4.4	2.8	4.6	1.4	3.9	4.3	5.0	2.0	9.0	64
ENP	Inflow[a]	S18C	4.3	2.8	4.5	1.4	3.3	4.0	5.0	2.0	9.0	55
ENP	Inflow[b]	S332DX	7.0	3.2	7.3	2.4	6.0	6.5	8.0	4.0	20.0	353
ENP	Inflow[a]	S332DX	6.6	3.2	6.8	2.3	6.0	6.0	7.0	4.0	20.0	252
ENP	Inflow[b]	S333	11.9	3.8	12.8	6.0	9.0	12.0	14.6	6.0	56.0	360
ENP	Inflow[a]	S333	11.2	3.9	12.5	8.1	8.0	10.0	13.0	6.0	56.0	173
ENP	Inflow[b]	S355A	20.9	---	29.5	22.3	8.0	29.0	38.0	6.0	65.0	13
ENP	Inflow[a]	S355A	---	---	---	---	---	---	---	---	---	0
ENP	Inflow[b]	S355B	26.2	6.3	63.3	75.8	7.8	17.0	123.0	6.0	213.0	16
ENP	Inflow[a]	S355B	8.2	3.7	9.0	4.8	6.0	7.0	10.0	6.0	16.0	4
ENP	Interior	CR2	3.4	2.7	3.7	1.8	3.0	3.0	4.0	2.0	8.0	9
ENP	Interior	EP	2.6	2.3	2.7	0.9	2.0	2.0	3.0	2.0	4.0	9
ENP	Interior	G-3273	4.3	2.9	4.6	2.1	4.0	4.0	4.0	3.0	10.0	9
ENP	Interior	NE1	4.6	3.1	5.1	2.6	4.0	4.0	5.0	2.0	11.0	9
ENP	Interior	NP201	3.2	2.8	3.6	2.3	2.8	3.0	3.3	2.0	9.0	8
ENP	Interior	P33	4.8	3.2	5.4	2.5	3.5	5.0	8.0	2.0	9.0	11
ENP	Interior	P34	2.7	2.6	3.0	1.2	2.0	3.0	4.0	1.0	5.0	9
ENP	Interior	P35	6.7	3.5	7.4	3.5	4.8	6.5	9.0	4.0	13.0	8
ENP	Interior	P36	3.2	2.6	3.3	1.1	3.0	3.0	4.0	2.0	5.0	9
ENP	Interior	P37	2.3	2.1	2.4	0.5	2.0	2.0	3.0	2.0	3.0	8
ENP	Interior	RG1	4.7	3.0	5.0	1.9	4.0	4.0	6.0	3.0	9.0	9
ENP	Interior	SRS1B	8.8	3.9	10.0	6.2	6.0	7.0	11.5	6.0	22.0	7
ENP	Interior	SRS1C	5.7	3.1	6.0	1.9	4.5	6.0	7.0	4.0	9.0	7
ENP	Interior	SRS2	3.8	2.6	3.9	0.8	3.0	4.0	4.3	3.0	5.0	12
ENP	Interior	TSB	3.2	2.8	3.6	1.9	2.0	3.0	4.5	2.0	7.0	7

a. When recorded flow.

b. All data was used (flow and non-flow).

Table 2. Summary of annual TN concentrations [milligrams per liter (mg/L)] at the inflow, rim, interior marsh, and outflow monitoring stations in the EPA during WY2016.]

Area	Class	Station	Geometric Mean	Geometric Standard Deviation	Arithmetic Mean	Standard Deviation	25th Quartile	Median	75th Quartile	Minimum	Maximum	Sample Size
LNWR	Inflow[b]	ENR012	1.75	1.69	1.77	0.20	1.62	1.81	1.89	1.14	2.30	51
LNWR	Inflow[a]	ENR012	1.67	1.62	1.68	0.17	1.60	1.63	1.79	1.32	1.98	16
LNWR	Inflow[b]	G310	1.82	1.82	1.85	0.40	1.61	1.76	1.97	1.20	3.07	28
LNWR	Inflow[a]	G310	1.85	1.85	1.89	0.43	1.60	1.79	2.05	1.44	3.07	19
LNWR	Inflow[b]	G338	2.62	2.41	2.80	1.01	2.13	2.71	3.42	1.33	5.66	52
LNWR	Inflow[a]	G338	---	---	---	---	---	---	---	---	---	0
LNWR	Inflow[b]	S362	1.33	1.53	1.37	0.30	1.17	1.33	1.54	0.87	2.04	27
LNWR	Inflow[a]	S362	1.33	1.53	1.36	0.30	1.16	1.32	1.53	0.87	2.04	26
LNWR	Interior	LOX10	0.95	1.11	0.95	0.13	0.90	0.98	1.05	0.69	1.11	8
LNWR	Interior	LOX11	1.15	1.46	1.19	0.31	0.98	1.17	1.42	0.74	1.61	7
LNWR	Interior	LOX12	1.01	1.29	1.03	0.24	0.90	1.02	1.17	0.63	1.45	11
LNWR	Interior	LOX13	1.15	1.33	1.17	0.20	1.05	1.20	1.27	0.88	1.44	7
LNWR	Interior	LOX14	0.84	1.08	0.86	0.20	0.76	0.83	0.88	0.58	1.22	9
LNWR	Interior	LOX15	1.14	1.38	1.16	0.23	1.05	1.20	1.29	0.69	1.48	10
LNWR	Interior	LOX16	0.75	0.86	0.76	0.10	0.71	0.77	0.82	0.59	0.88	7
LNWR	Interior	LOX3	1.62	1.83	1.67	0.46	1.40	1.73	2.01	1.11	2.12	4
LNWR	Interior	LOX4	1.43	1.67	1.48	0.47	1.22	1.28	1.52	1.12	2.47	8
LNWR	Interior	LOX5	1.53	1.61	1.54	0.25	1.44	1.58	1.65	1.12	1.93	7
LNWR	Interior	LOX6	1.17	1.62	1.25	0.53	0.97	1.14	1.33	0.69	2.32	7
LNWR	Interior	LOX7	1.24	1.40	1.26	0.21	1.08	1.27	1.39	0.96	1.62	9
LNWR	Interior	LOX8	1.15	1.31	1.17	0.18	1.08	1.14	1.22	0.87	1.45	9
LNWR	Interior	LOX9	1.16	1.33	1.18	0.18	1.13	1.19	1.25	0.84	1.44	7
LNWR	Interior	LOXA104.5	1.60	1.58	1.61	0.17	1.47	1.62	1.71	1.36	1.84	8
LNWR	Interior	LOXA105	1.57	1.60	1.59	0.23	1.41	1.51	1.78	1.35	1.98	8
LNWR	Interior	LOXA106	1.45	1.56	1.46	0.23	1.38	1.52	1.61	1.03	1.71	7
LNWR	Interior	LOXA107	1.54	1.65	1.56	0.28	1.46	1.63	1.80	1.13	1.80	5
LNWR	Interior	LOXA107U	1.43	1.48	1.43	0.16	1.37	1.48	1.50	1.20	1.62	5
LNWR	Interior	LOXA108	1.42	1.48	1.43	0.18	1.32	1.36	1.53	1.23	1.69	5
LNWR	Interior	LOXA136	1.43	1.68	1.48	0.47	1.25	1.38	1.56	1.03	2.53	8
LNWR	Interior	LOXA137	1.64	1.85	1.72	0.69	1.46	1.52	1.60	1.23	3.40	8
LNWR	Interior	LOXA138	1.76	1.87	1.82	0.52	1.46	1.65	1.93	1.39	2.69	8

Table 2. Continued.

Area	Class	Station	Geometric Mean	Geometric Standard Deviation	Arithmetic Mean	Standard Deviation	25th Quartile	Median	75th Quartile	Minimum	Maximum	Sample Size
LNWR	Interior	LOXA139	1.60	1.77	1.64	0.37	1.54	1.76	1.86	0.97	2.01	6
LNWR	Interior	Z1	1.10	1.46	1.15	0.36	0.86	1.11	1.36	0.78	1.66	6
LNWR	Interior	Z2	1.10	1.44	1.14	0.32	0.88	1.10	1.36	0.67	1.65	14
LNWR	Interior	Z3	0.87	1.11	0.89	0.20	0.78	0.80	1.06	0.63	1.23	16
LNWR	Interior	Z4	0.98	1.27	1.01	0.27	0.84	0.95	1.15	0.65	1.58	20
LNWR	Outflow[b]	S10A	1.20	1.45	1.23	0.27	1.06	1.25	1.41	0.70	1.65	14
LNWR	Outflow[a]	S10A	0.94	1.47	0.98	0.41	0.84	0.98	1.13	0.70	1.27	2
LNWR	Outflow[b]	S10C	1.36	1.50	1.38	0.23	1.32	1.39	1.47	0.87	1.79	14
LNWR	Outflow[a]	S10C	1.16	1.43	1.18	0.27	1.09	1.31	1.34	0.87	1.37	3
LNWR	Outflow[b]	S10D	1.64	1.97	1.81	1.21	1.39	1.54	1.65	1.09	6.11	15
LNWR	Outflow[a]	S10D	2.54	3.11	3.14	2.58	1.66	1.91	4.01	1.40	6.11	3
LNWR	Outflow[b]	S39	1.29	1.47	1.31	0.27	1.10	1.29	1.42	0.93	2.03	24
LNWR	Outflow[a]	S39	1.24	1.45	1.27	0.29	1.06	1.22	1.39	0.93	2.03	14
LNWR	Rim	LOXA104	1.63	1.67	1.65	0.28	1.44	1.66	1.79	1.30	2.11	12
LNWR	Rim	LOXA135	1.39	1.58	1.42	0.31	1.21	1.43	1.59	0.90	2.06	12
LNWR	Rim	Z0	1.56	1.59	1.58	0.22	1.38	1.59	1.67	1.33	2.08	24
WCA-2	Inflow[b]	G335	1.68	1.85	1.76	0.70	1.42	1.64	1.93	1.15	4.83	25
WCA-2	Inflow[a]	G335	1.74	1.96	1.86	0.90	1.44	1.66	1.96	1.21	4.83	14
WCA-2	Inflow[b]	G436	1.72	1.70	1.74	0.27	1.58	1.71	1.85	1.36	2.67	26
WCA-2	Inflow[a]	G436	1.73	1.66	1.73	0.18	1.59	1.73	1.85	1.42	2.04	22
WCA-2	Inflow[b]	S10A	1.20	1.45	1.23	0.27	1.06	1.25	1.41	0.70	1.65	14
WCA-2	Inflow[a]	S10A	0.94	1.47	0.98	0.41	0.84	0.98	1.13	0.70	1.27	2
WCA-2	Inflow[b]	S10C	1.36	1.50	1.38	0.23	1.32	1.39	1.47	0.87	1.79	14
WCA-2	Inflow[a]	S10C	1.16	1.43	1.18	0.27	1.09	1.31	1.34	0.87	1.37	3
WCA-2	Inflow[b]	S10D	1.64	1.97	1.81	1.21	1.39	1.54	1.65	1.09	6.11	15
WCA-2	Inflow[a]	S10D	2.54	3.11	3.14	2.58	1.66	1.91	4.01	1.40	6.11	3
WCA-2	Inflow[b]	S7	1.64	1.80	1.71	0.59	1.50	1.68	1.75	0.90	4.19	41
WCA-2	Inflow[a]	S7	1.73	1.88	1.82	0.71	1.52	1.68	1.76	1.09	4.19	25
WCA-2	Interior	2AN.25	1.73	1.74	1.75	0.31	1.50	1.68	2.02	1.38	2.33	12
WCA-2	Interior	2AN1	1.73	1.75	1.76	0.32	1.50	1.69	2.05	1.31	2.22	10
WCA-2	Interior	2AN2	1.63	1.73	1.66	0.35	1.48	1.61	1.89	1.18	2.18	9
WCA-2	Interior	2AN4	1.72	1.79	1.76	0.38	1.52	1.73	1.96	1.21	2.53	10

Table 2. Continued.

Area	Class	Station	Geometric Mean	Geometric Standard Deviation	Arithmetic Mean	Standard Deviation	25th Quartile	Median	75th Quartile	Minimum	Maximum	Sample Size
WCA-2	Interior	2AN6	1.78	1.91	1.85	0.58	1.55	1.78	1.93	1.10	3.16	9
WCA-2	Interior	404C2	1.53	1.90	1.64	0.68	1.36	1.50	1.79	0.75	3.19	9
WCA-2	Interior	C0.25	1.70	1.75	1.73	0.33	1.45	1.77	1.96	1.22	2.26	9
WCA-2	Interior	CA27	1.52	1.63	1.54	0.30	1.31	1.46	1.74	1.18	1.99	10
WCA-2	Interior	CA28	1.72	1.67	1.73	0.20	1.61	1.82	1.87	1.40	1.95	7
WCA-2	Interior	CA29	1.59	1.72	1.63	0.36	1.44	1.56	1.86	1.08	2.18	9
WCA-2	Interior	FS0.25	1.77	1.74	1.79	0.28	1.63	1.70	1.90	1.41	2.40	9
WCA-2	Interior	FS1	1.65	1.76	1.69	0.37	1.47	1.66	1.91	1.16	2.22	7
WCA-2	Interior	S145	1.53	1.68	1.57	0.34	1.40	1.56	1.73	0.89	2.44	18
WCA-2	Interior	U3	1.67	1.82	1.72	0.52	1.45	1.50	1.91	1.23	2.92	9
WCA-2	Interior	WCA-2C4	1.58	1.98	1.71	0.75	1.33	1.65	1.81	0.78	3.30	8
WCA-2	Interior	WCA-2C5	1.70	1.76	1.73	0.31	1.68	1.85	1.88	1.14	2.01	6
WCA-2	Interior	WCA-2F1	1.36	1.44	1.37	0.18	1.28	1.31	1.48	1.16	1.61	5
WCA-2	Interior	WCA-2F2	1.29	1.45	1.31	0.22	1.19	1.36	1.47	1.02	1.50	4
WCA-2	Interior	WCA-2F4	1.32	1.48	1.34	0.26	1.15	1.19	1.48	1.14	1.77	7
WCA-2	Outflow[b]	S11A	1.51	1.64	1.54	0.29	1.41	1.56	1.71	0.95	2.05	24
WCA-2	Outflow[a]	S11A	1.38	1.56	1.41	0.28	1.32	1.42	1.61	0.95	1.87	14
WCA-2	Outflow[b]	S11B	1.54	1.62	1.56	0.26	1.47	1.61	1.74	1.12	1.97	13
WCA-2	Outflow[a]	S11B	1.53	1.67	1.56	0.32	1.35	1.62	1.76	1.12	1.97	7
WCA-2	Outflow[b]	S11C	1.64	1.68	1.66	0.31	1.51	1.61	1.74	1.20	2.54	15
WCA-2	Outflow[a]	S11C	1.61	1.76	1.66	0.46	1.43	1.61	1.61	1.20	2.54	6
WCA-2	Outflow[b]	S34	1.47	1.54	1.48	0.21	1.34	1.46	1.67	0.96	1.83	25
WCA-2	Outflow[a]	S34	---	---	---	---	---	---	---	---	---	0
WCA-2	Outflow[b]	S38	1.39	1.62	1.44	0.35	1.22	1.43	1.61	0.79	2.26	24
WCA-2	Outflow[a]	S38	1.42	1.66	1.46	0.38	1.25	1.46	1.64	0.79	2.26	20
WCA-3	Inflow[b]	G204	4.18	3.01	4.45	1.76	3.74	4.99	5.44	2.48	5.88	3
WCA-3	Inflow[a]	G204	---	---	---	---	---	---	---	---	---	0
WCA-3	Inflow[b]	G205	3.17	2.27	3.18	0.35	2.96	3.09	3.31	2.87	3.67	4
WCA-3	Inflow[a]	G205	---	---	---	---	---	---	---	---	---	0
WCA-3	Inflow[b]	G206	1.79	1.73	1.80	0.25	1.67	1.75	1.91	1.59	2.07	3
WCA-3	Inflow[a]	G206	---	---	---	---	---	---	---	---	---	0
WCA-3	Inflow[b]	G344E	1.28	1.44	1.30	0.27	1.14	1.27	1.33	1.02	2.19	17

Table 2. Continued.

Area	Class	Station	Geometric Mean	Geometric Standard Deviation	Arithmetic Mean	Standard Deviation	25th Quartile	Median	75th Quartile	Minimum	Maximum	Sample Size
WCA-3	Inflow[a]	G344E	1.20	1.31	1.20	0.15	1.09	1.22	1.28	1.02	1.52	11
WCA-3	Inflow[b]	G344F	1.27	1.38	1.28	0.18	1.13	1.28	1.35	1.05	1.75	17
WCA-3	Inflow[a]	G344F	1.23	1.32	1.23	0.14	1.10	1.24	1.33	1.05	1.47	13
WCA-3	Inflow[b]	G344G	1.43	1.42	1.43	0.09	1.37	1.41	1.51	1.26	1.58	19
WCA-3	Inflow[a]	G344G	1.40	1.40	1.41	0.08	1.37	1.40	1.46	1.26	1.56	11
WCA-3	Inflow[b]	G344H	1.46	1.48	1.46	0.15	1.37	1.47	1.54	1.22	1.81	19
WCA-3	Inflow[a]	G344H	1.47	1.50	1.48	0.16	1.37	1.44	1.58	1.27	1.81	11
WCA-3	Inflow[b]	G344I	1.51	1.58	1.53	0.24	1.40	1.52	1.58	1.07	2.09	27
WCA-3	Inflow[a]	G344I	1.48	1.56	1.49	0.22	1.34	1.49	1.59	1.07	1.88	17
WCA-3	Inflow[b]	G344J	1.57	1.62	1.59	0.24	1.45	1.57	1.69	1.19	2.21	27
WCA-3	Inflow[a]	G344J	1.52	1.57	1.53	0.22	1.35	1.54	1.63	1.19	1.93	17
WCA-3	Inflow[b]	G344K	1.55	1.59	1.57	0.23	1.45	1.52	1.65	1.18	2.16	27
WCA-3	Inflow[a]	G344K	1.49	1.53	1.50	0.20	1.34	1.51	1.59	1.18	1.97	18
WCA-3	Inflow[b]	G352B	1.30	1.49	1.33	0.28	1.10	1.21	1.57	1.00	1.86	12
WCA-3	Inflow[a]	G352B	1.31	1.53	1.34	0.32	1.07	1.18	1.59	1.00	1.86	9
WCA-3	Inflow[b]	G354C	1.43	1.63	1.47	0.37	1.21	1.48	1.70	0.99	2.32	15
WCA-3	Inflow[a]	G354C	1.43	1.62	1.46	0.32	1.21	1.51	1.70	0.99	1.93	10
WCA-3	Inflow[b]	G393B	1.18	1.51	1.24	0.45	0.95	1.14	1.32	0.84	2.59	13
WCA-3	Inflow[a]	G393B	---	---	---	---	---	---	---	---	---	0
WCA-3	Inflow[b]	L3BRS	1.39	1.47	1.40	0.18	1.27	1.42	1.54	1.09	1.81	24
WCA-3	Inflow[a]	L3BRS	---	---	---	---	---	---	---	---	---	0
WCA-3	Inflow[b]	S11A	1.51	1.64	1.54	0.29	1.41	1.56	1.71	0.95	2.05	24
WCA-3	Inflow[a]	S11A	1.38	1.56	1.41	0.28	1.32	1.42	1.61	0.95	1.87	14
WCA-3	Inflow[b]	S11B	1.54	1.62	1.56	0.26	1.47	1.61	1.74	1.12	1.97	13
WCA-3	Inflow[a]	S11B	1.53	1.67	1.56	0.32	1.35	1.62	1.76	1.12	1.97	7
WCA-3	Inflow[b]	S11C	1.64	1.68	1.66	0.31	1.51	1.61	1.74	1.20	2.54	15
WCA-3	Inflow[a]	S11C	1.61	1.76	1.66	0.46	1.43	1.61	1.61	1.20	2.54	6
WCA-3	Inflow[b]	S140	1.25	1.32	1.26	0.11	1.17	1.25	1.34	1.03	1.48	26
WCA-3	Inflow[a]	S140	1.25	1.33	1.26	0.12	1.16	1.25	1.34	1.03	1.48	22
WCA-3	Inflow[b]	S150	1.50	1.70	1.55	0.48	1.35	1.49	1.65	0.89	3.42	34
WCA-3	Inflow[a]	S150	1.38	1.51	1.40	0.23	1.33	1.45	1.48	0.94	1.79	16
WCA-3	Inflow[b]	S190	1.15	1.30	1.16	0.18	1.03	1.10	1.25	0.91	1.62	20

Table 2. Continued.

Area	Class	Station	Geometric Mean	Geometric Standard Deviation	Arithmetic Mean	Standard Deviation	25th Quartile	Median	75th Quartile	Minimum	Maximum	Sample Size
WCA-3	Inflow[a]	S190	1.13	1.30	1.15	0.20	1.02	1.05	1.23	0.91	1.62	16
WCA-3	Inflow[b]	S8	1.53	1.68	1.58	0.48	1.36	1.46	1.67	1.16	3.40	36
WCA-3	Inflow[a]	S8	1.57	1.73	1.63	0.54	1.38	1.46	1.68	1.25	3.40	26
WCA-3	Inflow[b]	S9	1.48	1.46	1.48	0.10	1.43	1.46	1.54	1.32	1.73	32
WCA-3	Inflow[a]	S9	1.47	1.45	1.48	0.09	1.43	1.47	1.54	1.32	1.66	22
WCA-3	Inflow[b]	S9A	1.48	1.47	1.48	0.12	1.41	1.47	1.56	1.31	1.74	16
WCA-3	Inflow[a]	S9A	1.47	1.46	1.48	0.11	1.39	1.48	1.56	1.31	1.66	12
WCA-3	Interior	CA311	0.89	1.03	0.90	0.12	0.86	0.90	0.97	0.68	1.08	8
WCA-3	Interior	CA315	0.89	1.13	0.91	0.20	0.78	0.87	1.02	0.65	1.19	8
WCA-3	Interior	CA316	1.37	1.51	1.39	0.24	1.22	1.38	1.58	1.07	1.72	8
WCA-3	Interior	CA317	1.46	1.67	1.50	0.41	1.25	1.43	1.60	0.99	2.31	11
WCA-3	Interior	CA318	1.20	1.24	1.20	0.07	1.16	1.20	1.24	1.10	1.28	8
WCA-3	Interior	CA32	1.49	1.64	1.52	0.34	1.25	1.39	1.80	1.19	1.99	7
WCA-3	Interior	CA33	1.07	1.39	1.11	0.32	1.00	1.06	1.10	0.72	1.70	6
WCA-3	Interior	CA34	0.86	1.08	0.88	0.18	0.78	0.83	1.00	0.63	1.13	6
WCA-3	Interior	CA35	1.10	1.18	1.10	0.09	1.07	1.10	1.13	1.04	1.16	2
WCA-3	Interior	CA36	1.39	1.38	1.39	0.07	1.36	1.42	1.43	1.30	1.44	3
WCA-3	Interior	CA38	0.83	1.01	0.84	0.16	0.75	0.81	0.91	0.63	1.10	7
WCA-3	Outflow[b]	S12A	1.00	1.24	1.03	0.22	0.84	0.99	1.24	0.68	1.42	195
WCA-3	Outflow[a]	S12A	0.83	0.88	0.83	0.05	0.79	0.85	0.87	0.73	0.90	22
WCA-3	Outflow[b]	S12B	0.80	0.88	0.81	0.08	0.76	0.80	0.89	0.71	0.92	9
WCA-3	Outflow[a]	S12B	0.80	0.88	0.81	0.08	0.76	0.80	0.89	0.71	0.92	9
WCA-3	Outflow[b]	S12C	0.79	0.93	0.80	0.13	0.73	0.77	0.84	0.64	1.13	26
WCA-3	Outflow[a]	S12C	0.79	0.93	0.80	0.13	0.73	0.77	0.84	0.64	1.13	26
WCA-3	Outflow[b]	S142	1.55	1.63	1.57	0.26	1.46	1.53	1.75	1.12	2.00	12
WCA-3	Outflow[a]	S142	---	---	---	---	---	---	---	---	---	0
WCA-3	Outflow[b]	S31	1.34	1.46	1.36	0.20	1.19	1.43	1.50	1.04	1.72	17
WCA-3	Outflow[a]	S31	---	---	---	---	---	---	---	---	---	0
WCA-3	Outflow[b]	S333	1.18	1.30	1.19	0.17	1.07	1.16	1.28	0.95	1.95	212
WCA-3	Outflow[a]	S333	1.30	1.42	1.31	0.21	1.20	1.29	1.37	0.95	1.95	66
WCA-3	Outflow[b]	S344	1.23	1.44	1.25	0.26	1.10	1.23	1.38	0.96	1.58	4
WCA-3	Outflow[a]	S344	---	---	---	---	---	---	---	---	---	0

Table 2. Continued.

Area	Class	Station	Geometric Mean	Geometric Standard Deviation	Arithmetic Mean	Standard Deviation	25th Quartile	Median	75th Quartile	Minimum	Maximum	Sample Size
WCA-3	Outflow[b]	S355A	1.15	1.58	1.22	0.46	0.85	1.06	1.52	0.67	2.00	13
WCA-3	Outflow[a]	S355A	---	---	---	---	---	---	---	---	---	0
WCA-3	Outflow[b]	S355B	1.30	2.00	1.50	0.88	0.93	1.16	1.88	0.59	3.36	16
WCA-3	Outflow[a]	S355B	1.23	1.48	1.26	0.32	1.05	1.18	1.39	0.99	1.70	4
WCA-3	Outflow[b]	US41-25	0.91	1.12	0.93	0.20	0.81	0.89	0.97	0.63	1.50	19
WCA-3	Outflow[a]	US41-25	0.81	0.84	0.81	0.04	0.78	0.81	0.85	0.78	0.85	4
ENP	Inflow[b]	S12A	1.00	1.24	1.03	0.22	0.84	0.99	1.24	0.68	1.42	195
ENP	Inflow[a]	S12A	0.83	0.88	0.83	0.05	0.79	0.85	0.87	0.73	0.90	22
ENP	Inflow[b]	S12B	0.80	0.88	0.81	0.08	0.76	0.80	0.89	0.71	0.92	9
ENP	Inflow[a]	S12B	0.80	0.88	0.81	0.08	0.76	0.80	0.89	0.71	0.92	9
ENP	Inflow[b]	S12C	0.79	0.93	0.80	0.13	0.73	0.77	0.84	0.64	1.13	26
ENP	Inflow[a]	S12C	0.79	0.93	0.80	0.13	0.73	0.77	0.84	0.64	1.13	26
ENP	Inflow[b]	S18C	0.65	0.68	0.65	0.07	0.61	0.66	0.69	0.50	0.81	54
ENP	Inflow[a]	S18C	0.65	0.68	0.65	0.07	0.62	0.66	0.69	0.50	0.81	51
ENP	Inflow[b]	S332DX	0.87	1.13	0.90	0.22	0.70	0.84	1.05	0.60	1.48	223
ENP	Inflow[a]	S332DX	0.79	0.96	0.80	0.17	0.68	0.76	0.87	0.60	1.39	125
ENP	Inflow[b]	S333	1.18	1.30	1.19	0.17	1.07	1.16	1.28	0.95	1.95	212
ENP	Inflow[a]	S333	1.30	1.42	1.31	0.21	1.20	1.29	1.37	0.95	1.95	66
ENP	Inflow[b]	S355A	1.15	1.58	1.22	0.46	0.85	1.06	1.52	0.67	2.00	13
ENP	Inflow[a]	S355A	---	---	---	---	---	---	---	---	---	0
ENP	Inflow[b]	S355B	1.30	2.00	1.50	0.88	0.93	1.16	1.88	0.59	3.36	16
ENP	Inflow[a]	S355B	1.23	1.48	1.26	0.32	1.05	1.18	1.39	0.99	1.70	4
ENP	Interior	EP	0.69	0.77	0.69	0.10	0.64	0.65	0.73	0.63	0.81	3
ENP	Interior	NE1	1.13	1.34	1.15	0.23	0.96	1.07	1.36	0.91	1.51	8
ENP	Interior	NP201	0.88	1.03	0.89	0.13	0.78	0.89	0.97	0.75	1.08	7
ENP	Interior	P33	1.12	1.21	1.12	0.10	1.09	1.10	1.16	0.95	1.30	8
ENP	Interior	P34	0.91	1.11	0.92	0.16	0.81	0.96	1.04	0.66	1.12	8
ENP	Interior	P35	0.93	1.09	0.94	0.14	0.85	0.92	0.99	0.79	1.18	6
ENP	Interior	P36	1.08	1.24	1.09	0.16	1.00	1.06	1.22	0.88	1.30	6
ENP	Interior	P37	0.59	0.77	0.61	0.16	0.50	0.55	0.76	0.43	0.79	5
ENP	Interior	TSB	0.54	0.53	0.55	0.07	0.50	0.54	0.57	0.46	0.65	5

a. When recorded flow.

b. All data was used (flow and non-flow).

Table 3. Annual geometric mean TP trend analysis results for stations within the EPA from WY1979 to WY2016.

Area	Class	Station	Number of Years	Statistic	Kendall's τ	ρ value	Sen's Slope Estimator	Trend Status
LNWR	Inflow	ACME1DS	5	1.00	-0.80	0.08	-5.267	Not Statistically Significant
LNWR	Inflow	ENR012	21	92.00	-0.12	0.46	-0.180	Not Statistically Significant
LNWR	Inflow	G310	16	33.00	-0.45	<0.05	-2.526	Significantly Declining
LNWR	Inflow	G94D	6	3.00	-0.60	0.14	-4.490	Not Statistically Significant
LNWR	Inflow	S362	12	21.00	-0.36	0.12	-3.138	Not Statistically Significant
LNWR	Inflow	S5A	20	71.00	-0.25	0.13	-2.013	Not Statistically Significant
LNWR	Inflow	S6	17	56.00	-0.18	0.35	-0.772	Not Statistically Significant
LNWR	Interior	1-8T	3	0.00	-1.00	0.33	-0.812	Not Statistically Significant
LNWR	Interior	A3	4	3.00	0.00	1.00	-0.065	Not Statistically Significant
LNWR	Interior	LOX10	19	56.00	-0.35	<0.05	-0.112	Significantly Declining
LNWR	Interior	LOX11	22	67.00	-0.42	<0.05	-0.167	Significantly Declining
LNWR	Interior	LOX12	23	124.00	-0.02	0.92	-0.002	Not Statistically Significant
LNWR	Interior	LOX13	22	90.00	-0.22	0.16	-0.087	Not Statistically Significant
LNWR	Interior	LOX14	23	105.00	-0.17	0.27	-0.049	Not Statistically Significant
LNWR	Interior	LOX15	23	107.00	-0.15	0.32	-0.055	Not Statistically Significant
LNWR	Interior	LOX16	23	98.00	-0.23	0.14	-0.063	Not Statistically Significant
LNWR	Interior	LOX3	14	31.00	-0.32	0.13	-0.158	Not Statistically Significant
LNWR	Interior	LOX4	21	102.00	-0.03	0.88	-0.019	Not Statistically Significant
LNWR	Interior	LOX5	16	44.00	-0.27	0.17	-0.166	Not Statistically Significant
LNWR	Interior	LOX6	22	79.00	-0.32	<0.05	-0.090	Significantly Declining
LNWR	Interior	LOX7	23	104.00	-0.18	0.25	-0.031	Not Statistically Significant
LNWR	Interior	LOX8	23	151.00	0.19	0.21	0.097	Not Statistically Significant
LNWR	Interior	LOX9	19	63.00	-0.26	0.12	-0.130	Not Statistically Significant
LNWR	Interior	LOXA101	9	14.00	-0.22	0.48	-0.162	Not Statistically Significant
LNWR	Interior	LOXA104.5	8	10.00	-0.29	0.40	-0.707	Not Statistically Significant
LNWR	Interior	LOXA105	10	29.00	0.29	0.29	0.284	Not Statistically Significant
LNWR	Interior	LOXA106	8	18.00	0.29	0.40	0.256	Not Statistically Significant
LNWR	Interior	LOXA107	4	6.00	1.00	0.08	0.529	Not Statistically Significant
LNWR	Interior	LOXA107U	6	12.00	0.60	0.14	0.303	Not Statistically Significant
LNWR	Interior	LOXA108	8	14.00	0.00	1.00	-0.004	Not Statistically Significant
LNWR	Interior	LOXA124	11	26.00	-0.05	0.88	-0.117	Not Statistically Significant
LNWR	Interior	LOXA130	11	11.00	-0.60	<0.05	-0.502	Significantly Declining
LNWR	Interior	LOXA136	9	13.00	-0.28	0.36	-0.371	Not Statistically Significant

Table 3. Continued.

Area	Class	Station	Number of Years	Statistic	Kendall's τ	ρ value	Sen's Slope Estimator	Trend Status
LNWR	Interior	LOXA137	10	12.00	-0.47	0.07	-0.356	Not Statistically Significant
LNWR	Interior	LOXA138	9	9.00	-0.50	0.08	-0.288	Not Statistically Significant
LNWR	Interior	LOXA139	8	14.00	0.00	1.00	-0.020	Not Statistically Significant
LNWR	Interior	LOXA140	10	19.00	-0.16	0.60	-0.162	Not Statistically Significant
LNWR	Interior	X1	7	3.00	-0.71	<0.05	-1.772	Significantly Declining
LNWR	Interior	X4	9	10.00	-0.44	0.12	-0.217	Not Statistically Significant
LNWR	Interior	Z1	8	12.00	-0.14	0.72	-0.656	Not Statistically Significant
LNWR	Interior	Z2	4	4.00	0.33	0.75	0.421	Not Statistically Significant
LNWR	Interior	Z3	4	4.00	0.33	0.75	0.088	Not Statistically Significant
LNWR	Interior	Z4	4	4.00	0.33	0.75	0.472	Not Statistically Significant
LNWR	Outflow	S10A	4	-1.73	-1.00	0.08	-0.776	Not Statistically Significant
LNWR	Outflow	S10C	14	-1.56	-0.33	0.12	-0.998	Not Statistically Significant
LNWR	Outflow	S10D	20	-3.80	-0.64	<0.05	-2.520	Significantly Declining
LNWR	Outflow	S10E	10	-2.23	-0.60	<0.05	-3.626	Significantly Declining
LNWR	Outflow	S39	25	77.00	-0.49	<0.05	-0.874	Significantly Declining
LNWR	Rim	ENR004	6	4.00	-0.47	0.27	-4.100	Not Statistically Significant
LNWR	Rim	LOXA104	10	10.00	-0.56	<0.05	-2.851	Significantly Declining
LNWR	Rim	LOXA135	10	6.00	-0.73	<0.05	-6.131	Significantly Declining
LNWR	Rim	S5AD	12	49.00	0.48	<0.05	5.505	Significantly Increasing
LNWR	Rim	S6D	8	19.00	0.36	0.28	1.264	Not Statistically Significant
LNWR	Rim	Z0	4	2.00	-0.33	0.75	-1.473	Not Statistically Significant
WCA-2	Inflow	G335	15	41.00	-0.22	0.28	-0.176	Not Statistically Significant
WCA-2	Inflow	G436	4	1.00	-0.67	0.33	-0.491	Not Statistically Significant
WCA-2	Inflow	S10A	4	-1.73	-1.00	0.08	-0.776	Not Statistically Significant
WCA-2	Inflow	S10C	14	-1.56	-0.33	0.12	-0.998	Not Statistically Significant
WCA-2	Inflow	S10D	20	-3.80	-0.64	<0.05	-2.520	Significantly Declining
WCA-2	Inflow	S10E	10	-2.23	-0.60	<0.05	-3.626	Significantly Declining
WCA-2	Inflow	S7	36	101.00	-0.68	<0.05	-2.467	Significantly Declining
WCA-2	Interior	217	4	4.00	0.33	0.75	1.127	Not Statistically Significant
WCA-2	Interior	2AN.25	9	10.00	-0.44	0.12	-0.722	Not Statistically Significant
WCA-2	Interior	2AN1	9	16.00	-0.11	0.76	-0.283	Not Statistically Significant
WCA-2	Interior	2AN2	6	3.00	-0.60	0.14	-0.760	Not Statistically Significant
WCA-2	Interior	2AN3.5	6	6.00	-0.20	0.72	-6.620	Not Statistically Significant

Table 3. Continued.

Area	Class	Station	Number of Years	Statistic	Kendall's τ	ρ value	Sen's Slope Estimator	Trend Status
WCA-2	Interior	2AN4	7	8.00	-0.24	0.56	-0.161	Not Statistically Significant
WCA-2	Interior	2AN4.5	6	6.00	-0.20	0.72	-5.137	Not Statistically Significant
WCA-2	Interior	2AN6	4	3.00	0.00	1.00	-0.142	Not Statistically Significant
WCA-2	Interior	2AN6.4	6	8.00	0.07	1.00	0.145	Not Statistically Significant
WCA-2	Interior	404C2	8	8.00	-0.43	0.18	-0.273	Not Statistically Significant
WCA-2	Interior	404Z1	8	9.00	-0.36	0.28	-0.255	Not Statistically Significant
WCA-2	Interior	B2	3	3.00	1.00	0.33	29.919	Not Statistically Significant
WCA-2	Interior	B5	3	2.00	0.33	1.00	0.481	Not Statistically Significant
WCA-2	Interior	C0.25	9	11.00	-0.39	0.18	-0.873	Not Statistically Significant
WCA-2	Interior	CA215	17	55.00	-0.19	0.31	-0.128	Not Statistically Significant
WCA-2	Interior	CA217	15	16.00	-0.70	<0.05	-0.235	Significantly Declining
WCA-2	Interior	CA222	9	24.00	0.33	0.26	0.048	Not Statistically Significant
WCA-2	Interior	CA223	4	1.00	-0.67	0.33	-1.059	Not Statistically Significant
WCA-2	Interior	CA224	9	15.00	-0.17	0.61	-0.035	Not Statistically Significant
WCA-2	Interior	CA26	10	11.00	-0.51	<0.05	-0.177	Significantly Declining
WCA-2	Interior	CA27	22	55.00	-0.52	<0.05	-0.156	Significantly Declining
WCA-2	Interior	CA28	22	36.00	-0.69	<0.05	-3.290	Significantly Declining
WCA-2	Interior	CA29	22	60.00	-0.48	<0.05	-0.138	Significantly Declining
WCA-2	Interior	E5	3	0.00	-1.00	0.33	-0.285	Not Statistically Significant
WCA-2	Interior	FS0.25	4	2.00	-0.33	0.75	-0.682	Not Statistically Significant
WCA-2	Interior	FS1	8	9.00	-0.36	0.28	-0.204	Not Statistically Significant
WCA-2	Interior	FS2	3	2.00	0.33	1.00	1.309	Not Statistically Significant
WCA-2	Interior	S144	17	77.00	0.13	0.49	0.159	Not Statistically Significant
WCA-2	Interior	S145	34	257.00	-0.08	0.50	-0.035	Not Statistically Significant
WCA-2	Interior	S146	16	68.00	0.13	0.51	0.165	Not Statistically Significant
WCA-2	Interior	SITE-D	12	50.00	0.52	<0.05	1.364	Significantly Increasing
WCA-2	Interior	SL	4	4.00	0.33	0.75	6.110	Not Statistically Significant
WCA-2	Interior	U1	10	15.00	-0.33	0.22	-0.130	Not Statistically Significant
WCA-2	Interior	U3	10	17.00	-0.24	0.38	-0.063	Not Statistically Significant
WCA-2	Interior	WCA-2C4	4	1.00	-0.67	0.33	-0.264	Not Statistically Significant
WCA-2	Interior	WCA-2C5	4	3.00	0.00	1.00	-0.056	Not Statistically Significant
WCA-2	Interior	WCA-2F1	20	29.00	-0.69	<0.05	-2.931	Significantly Declining
WCA-2	Interior	WCA-2F2	22	43.00	-0.63	<0.05	-1.867	Significantly Declining

Table 3. Continued.

Area	Class	Station	Number of Years	Statistic	Kendall's τ	ρ value	Sen's Slope Estimator	Trend Status
WCA-2	Interior	WCA-2F4	22	87.00	-0.25	0.12	-0.237	Not Statistically Significant
WCA-2	Interior	WCA-2F5	10	22.00	-0.02	1.00	-0.038	Not Statistically Significant
WCA-2	Outflow	S11A	44	-3.53	-0.38	<0.05	-0.325	Significantly Declining
WCA-2	Outflow	S11B	36	-5.74	-0.69	<0.05	-0.739	Significantly Declining
WCA-2	Outflow	S11C	42	-6.61	-0.72	<0.05	-1.210	Significantly Declining
WCA-2	Outflow	S34	13	30.00	-0.23	0.31	-0.264	Not Statistically Significant
WCA-2	Outflow	S38	29	172.00	-0.15	0.26	-0.085	Not Statistically Significant
WCA-3	Inflow	G123	3	1.00	-0.33	1.00	-0.212	Not Statistically Significant
WCA-3	Inflow	G344E	4	3.00	0.00	1.00	-0.236	Not Statistically Significant
WCA-3	Inflow	G344F	4	1.00	-0.67	0.33	-2.972	Not Statistically Significant
WCA-3	Inflow	G344G	3	2.00	0.33	1.00	0.203	Not Statistically Significant
WCA-3	Inflow	G344H	3	3.00	1.00	0.33	6.710	Not Statistically Significant
WCA-3	Inflow	G352B	6	7.00	-0.07	1.00	-0.289	Not Statistically Significant
WCA-3	Inflow	G393B	3	0.00	-1.00	0.33	-9.442	Not Statistically Significant
WCA-3	Inflow	G606	4	5.00	0.67	0.33	4.987	Not Statistically Significant
WCA-3	Inflow	S11A	44	-3.53	-0.38	<0.05	-0.325	Significantly Declining
WCA-3	Inflow	S11B	36	-5.74	-0.69	<0.05	-0.739	Significantly Declining
WCA-3	Inflow	S11C	42	-6.61	-0.72	<0.05	-1.210	Significantly Declining
WCA-3	Inflow	S140	38	273.00	-0.22	<0.05	-0.677	Significantly Declining
WCA-3	Inflow	S150	22	41.00	-0.65	<0.05	-1.797	Significantly Declining
WCA-3	Inflow	S190	22	73.00	-0.37	<0.05	-1.315	Significantly Declining
WCA-3	Inflow	S8	36	113.00	-0.64	<0.05	-3.061	Significantly Declining
WCA-3	Inflow	S9	35	284.00	-0.05	0.71	-0.023	Not Statistically Significant
WCA-3	Inflow	S9A	13	21.00	-0.46	<0.05	-0.190	Significantly Declining
WCA-3	Interior	3ASMESO	9	18.00	0.00	1.00	-0.044	Not Statistically Significant
WCA-3	Interior	CA311	22	97.00	-0.16	0.31	-0.042	Not Statistically Significant
WCA-3	Interior	CA314	9	12.00	-0.33	0.26	-0.179	Not Statistically Significant
WCA-3	Interior	CA315	22	76.00	-0.34	<0.05	-0.068	Significantly Declining
WCA-3	Interior	CA316	16	34.00	-0.43	<0.05	-0.166	Significantly Declining
WCA-3	Interior	CA317	16	49.00	-0.18	0.35	-0.063	Not Statistically Significant
WCA-3	Interior	CA318	16	67.00	0.12	0.56	0.049	Not Statistically Significant
WCA-3	Interior	CA319	9	13.00	-0.28	0.36	-0.135	Not Statistically Significant
WCA-3	Interior	CA32	21	50.00	-0.52	<0.05	-0.168	Significantly Declining

Table 3. Continued.

Area	Class	Station	Number of Years	Statistic	Kendall's τ	ρ value	Sen's Slope Estimator	Trend Status
WCA-3	Interior	CA325	7	12.00	0.14	0.77	0.028	Not Statistically Significant
WCA-3	Interior	CA33	21	69.00	-0.34	<0.05	-0.145	Significantly Declining
WCA-3	Interior	CA34	22	73.00	-0.37	<0.05	-0.151	Significantly Declining
WCA-3	Interior	CA35	14	34.00	-0.25	0.23	-0.130	Not Statistically Significant
WCA-3	Interior	CA36	18	67.00	-0.12	0.50	-0.138	Not Statistically Significant
WCA-3	Interior	CA38	21	56.00	-0.47	<0.05	-0.133	Significantly Declining
WCA-3	Interior	CA39	9	20.00	0.11	0.76	0.067	Not Statistically Significant
WCA-3	Interior	CA3B1	9	13.00	-0.28	0.36	-0.171	Not Statistically Significant
WCA-3	Interior	CA3B2	9	16.00	-0.11	0.76	-0.220	Not Statistically Significant
WCA-3	Interior	S345B6	9	18.00	0.00	1.00	0.007	Not Statistically Significant
WCA-3	Interior	WCA-3C4	4	4.00	0.33	0.75	0.999	Not Statistically Significant
WCA-3	Outflow	S12A	58	-1.61	-0.15	0.11	-0.064	Not Statistically Significant
WCA-3	Outflow	S12B	60	-1.81	-0.16	0.07	-0.047	Not Statistically Significant
WCA-3	Outflow	S12C	74	-2.99	-0.24	<0.05	-0.119	Significantly Declining
WCA-3	Outflow	S12D	74	-2.58	-0.21	<0.05	-0.083	Significantly Declining
WCA-3	Outflow	S31	6	2.00	-0.73	0.06	-0.104	Not Statistically Significant
WCA-3	Outflow	S333	66	-1.51	-0.13	0.13	-0.070	Not Statistically Significant
WCA-3	Outflow	US41-25	17	95.00	0.40	<0.05	0.180	Significantly Increasing
ENP	Inflow	S12A	58	-1.61	-0.15	0.11	-0.064	Not Statistically Significant
ENP	Inflow	S12B	60	-1.81	-0.16	0.07	-0.047	Not Statistically Significant
ENP	Inflow	S12C	74	-2.99	-0.24	<0.05	-0.119	Significantly Declining
ENP	Inflow	S12D	74	-2.58	-0.21	<0.05	-0.083	Significantly Declining
ENP	Inflow	S175	3	3.00	1.00	0.33	0.476	Not Statistically Significant
ENP	Inflow	S18C	32	176.00	-0.29	<0.05	-0.081	Significantly Declining
ENP	Inflow	S332	18	85.00	0.11	0.55	0.092	Not Statistically Significant
ENP	Inflow	S332D	7	7.00	-0.33	0.38	-0.220	Not Statistically Significant
ENP	Inflow	S332DX	9	13.00	-0.28	0.36	-0.087	Not Statistically Significant
ENP	Inflow	S333	66	-1.51	-0.13	0.13	-0.070	Not Statistically Significant
ENP	Interior	CR2	7	3.00	-0.71	<0.05	-0.180	Significantly Declining
ENP	Interior	EP	21	57.00	-0.46	<0.05	-0.094	Significantly Declining
ENP	Interior	G-3273	6	3.00	-0.60	0.14	-0.437	Not Statistically Significant
ENP	Interior	NE1	28	98.00	-0.48	<0.05	-0.157	Significantly Declining
ENP	Interior	NP201	28	144.00	-0.24	0.08	-0.076	Not Statistically Significant

Table 3. Continued.

Area	Class	Station	Number of Years	Statistic	Kendall's τ	ρ value	Sen's Slope Estimator	Trend Status
ENP	Interior	P33	29	176.00	-0.13	0.32	-0.039	Not Statistically Significant
ENP	Interior	P34	22	85.00	-0.26	0.09	-0.061	Not Statistically Significant
ENP	Interior	P35	27	131.00	-0.25	0.07	-0.100	Not Statistically Significant
ENP	Interior	P36	29	105.00	-0.48	<0.05	-0.212	Significantly Declining
ENP	Interior	P37	19	-3.64	-0.61	<0.05	-0.102	Significantly Declining
ENP	Interior	RG1	7	1.00	-0.90	<0.05	-1.289	Significantly Declining
ENP	Interior	SRS1C	5	7.00	0.40	0.48	0.108	Not Statistically Significant
ENP	Interior	SRS2	9	8.00	-0.56	<0.05	-0.115	Significantly Declining
ENP	Interior	TSB	23	64.00	-0.49	<0.05	-0.127	Significantly Declining