

# Appendix 3A-6: Water Year 2012–2016 Annual Total Phosphorus Criteria Compliance Assessment

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This appendix presents the annual total phosphorous (TP) criteria compliance assessment for Water Years 2012–2016 (WY2012–WY2016) (May 1, 2011–April 30, 2016). **Table 1** highlights data from all individual impacted stations across the Everglades Protection Area (EPA) relative to the 15 microgram ( $\mu\text{g/L}$ ) annual limit. Long-term (i.e., five-year) geometric mean TP concentrations from individual impacted stations are summarized relative to the long-term limit of 10  $\mu\text{g/L}$  in **Table 2**. **Table 3** displays the annual TP criteria compliance for the five-year period within the EPA, which 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) (**Figure 1**). **Figure 2** depicts each area’s network average geometric mean concentration from WY2005 to the current water year (WY2016) relative to the 11  $\mu\text{g/L}$  annual network limit, and the 10  $\mu\text{g/L}$  five-year, long-term network limit for TP. Annual geometric mean TP concentrations for the current water year (WY2016) are provided in **Figure 3** for each station within its respective area and network (impacted and unimpacted) relative to the 15  $\mu\text{g/L}$  annual limit (note: stations with insufficient data are identified with an asterisk).

Conclusions from these data include the following:

- No impacted stations transitioned from impacted to unimpacted during WY2016.
- Of the 58 TP criterion monitoring network sites, 56 of these had sufficient data to be included in the TP criterion assessment.
- Unimpacted portions of each WCA passed all four parts of the compliance assessment, as expected. Therefore, these areas are in compliance with the 10  $\mu\text{g/L}$  criteria.
- Even though in recent years conditions within the impacted portions of the marsh have improved (**Figure 2**), impacted portions of each WCA failed one or more parts of the criterion assessment. Therefore, these areas exceeded the criteria, as expected.
- For informational purposes, assessment of the ENP stations relative to the TP rule criteria are included in **Table 3** and **Figures 4** and **5**. All stations in the ENP achieved the long-term criterion in every year, with an average geometric mean of 4  $\mu\text{g/L}$  across all stations.
- The increased percent of sites meeting the 10 and 15  $\mu\text{g/L}$  limits observed for WY2016 reflects the continued recovery from recent climatic extremes, improved treatment of the inflows, and overall improvement in phosphorus conditions within the interior marsh due to restoration activities.

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- Several TP rule monitoring locations (including active and inactive locations) experienced statistically significant declining trends between WY2005 and WY2016 (May 1, 2004–April 30, 2016).

**ASSESSMENT OF IMPACTED TOTAL PHOSPHORUS RULE STATIONS WITHIN THE EVERGLADES PROTECTION AREA**

According to Subparagraph 62-302.540(4)(d)2, Florida Administrative Code (F.A.C.), individual stations in networks shall be deemed to be unimpacted for purposes of determining compliance assessment with the TP rule if the five-year geometric mean is less than or equal to 10 µg/L TP and the annual geometric mean is less than or equal to 15 µg/L TP. Over the past several years, the EPA has experienced significant load reductions as well as decreasing interior concentrations due to upstream treatment and restoration efforts (Julian et al. 2015). As a result, during WY2014 impacted stations transitioned to unimpacted as defined by both long-term geometric mean and annual geometric mean TP. Consequently, these stations will now be assessed each year as part of the unimpacted network of sites.

During WY2016, none of the remaining impacted stations achieved the respective annual or long-term geometric mean limits. Annual geometric mean and long-term geometric mean values are presented in **Tables 1 and 2.**

**Table 1.** Annual geometric mean TP concentrations (µg/L) for individual impacted stations in the EPA identified by the TP rule (Section 62-302.540, F.A.C.).<sup>a</sup>

Area	Station	Water Year (May 1–April 30)											
		2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
LNWR	LOXA101	19	15	-	14	10	13	11	-	18	14	13	14
	LOXA105	38	15	-	15	11	12	13	17	17	17	13	17
	LOXA124	30	11	-	13	13	12	10	11	12	13	11	17
	LOXA130 <sup>b</sup>	27	15	-	11	10	10	10	13	9	8	10	9
	LOXA137 <sup>b</sup>	23	14	-	9	10	11	11	15	10	9	10	9
	LOXA140	18	12	-	8	8	11	9	-	10	8	11	10
	X1	-	-	-	47	-	34	27	38	27	26	21	23
Z1	-	-	-	96	21	26	33	49	18	23	24	19	
WCA-2	2AN1	-	-	-	20	14	22	17	14	15	16	15	17
	404Z1	-	-	-	27	18	21	21	15	33	25	20	20
	CA223	-	-	-	26	-	21	17	-	17	16	21	28
	CA224 <sup>b</sup>	-	-	-	8	6	7	6	7	6	6	6	7
	WCA2F1	72	48	-	34	24	23	19	23	31	23	26	23
	WCA2F3	-	-	-	19	11	-	-	-	-	-	-	-
	WCA2F4 <sup>b</sup>	22	12	19	13	11	10	9	10	9	7	9	11
WCA-3	CA314 <sup>b</sup>	-	-	-	7	4	5	4	6	4	3	4	5
	CA324	-	-	-	-	11	-	-	-	10	-	-	13
	CA33 <sup>b</sup>	15	10	18	14	8	9	8	-	9	7	10	9
	CA35	11	8	-	8	7	-	6	-	-	6	6	7
	CA36	-	29	30	36	23	24	22	31	32	13	23	24

a. Blank cells (-) indicate insufficient data to calculate annual geometric mean due to TP rule data screening or samples not being collected due to low water levels. Cells highlighted in green indicate that the annual geometric mean TP concentration for that station and year is ≤ 15 µg/L.

b. Station has already transitioned from impacted to unimpacted.

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**Table 2.** Long-term (five-year) geometric mean TP concentrations (µg/L) for impacted stations identified by the TP rule (Section 62-302.540, F.A.C.).<sup>a</sup>

Area	Station	WY2005–WY2009	WY2006–WY2010	WY2007–WY2011	WY2008–WY2012	WY2009–WY2013	WY2010–WY2014	WY2011–WY2015	WY2012–WY2016
LNWR	LOXA101	-	-	-	-	-	-	-	-
	LOXA105	-	-	-	13	14	15	15	16
	LOXA124	-	-	-	12	12	12	11	12
	LOXA130 <sup>b</sup>	-	-	-	11	10	10	10	10
	LOXA137 <sup>b</sup>	-	-	-	11	11	10	10	10
	LOXA140	-	-	-	-	-	-	-	-
	X1	-	-	-	-	-	29	27	26
	Z1	-	-	-	35	26	27	26	23
WCA-2	2AN1	-	-	-	17	16	17	15	15
	404Z1	-	-	-	20	21	22	22	22
	CA223	-	-	-	-	-	-	-	-
	CA224 <sup>b</sup>	-	-	-	7	6	6	6	6
	WCA2F1	-	-	-	26	24	24	24	25
	WCA2F3	-	-	-	-	-	-	-	-
	WCA2F4 <sup>b</sup>	14	13	12	11	10	9	9	9
WCA-3	CA314 <sup>b</sup>	-	-	-	5	4	4	4	4
	CA324	-	-	-	-	-	-	-	-
	CA33 <sup>b</sup>	12	11	10	-	-	-	-	-
	CA35	-	-	-	-	-	-	-	-
	CA36	-	27	25	25	25	23	23	24

a. Blank cells (-) indicate insufficient data to compute a long-term geometric mean (i.e., missing one or more years). Cells highlighted in green indicate that the long-term geometric mean TP concentration for that station and period is ≤ 10 µg/L.

b. Station has already transition from impacted to unimpacted.

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**Table 3.** Annual TP criteria compliance assessment in the EPA for the five-year period of WY2012–WY2016. (Note: N/A – not applicable).

Area	Criterion Network	Water Year	Station	Sample Size (N)	Annual Site Geometric Mean (µg/L)	≤ 15 µg/L Pass/ Fail	Network Annual Average Geometric Mean (µg/L)	≤ 11 µg/L Pass/ Fail	Network Five-year Average Geometric Mean (µg/L)	Network Five-year Average ≤ 10 µg/L Pass/ Fail	3- of 5-year Network Average ≤ 10 µg/L
LNWR	Impacted	2012	LOXA101	4	N/A (14)	N/A					
LNWR	Impacted	2012	LOXA140	4	N/A (13)	N/A					
LNWR	Impacted	2012	LOXA137	6	15	Pass					
LNWR	Impacted	2012	LOXA130	8	13	Pass					
LNWR	Impacted	2012	X1	8	38	Fail					
LNWR	Impacted	2012	LOXA105	7	17	Fail					
LNWR	Impacted	2012	Z1	7	49	Fail					
LNWR	Impacted	2012	LOXA124	8	11	Pass	24	Fail			
LNWR	Impacted	2013	LOXA105	11	17	Fail					
LNWR	Impacted	2013	X1	12	27	Fail					
LNWR	Impacted	2013	LOXA140	12	10	Pass					
LNWR	Impacted	2013	LOXA137	11	10	Pass					
LNWR	Impacted	2013	LOXA101	11	18	Fail					
LNWR	Impacted	2013	LOXA124	12	12	Pass					
LNWR	Impacted	2013	Z1	14	18	Fail	16	Fail			
LNWR	Impacted	2014	LOXA124	11	13	Pass					
LNWR	Impacted	2014	LOXA140	12	8	Pass					
LNWR	Impacted	2014	LOXA105	10	17	Fail					
LNWR	Impacted	2014	Z1	11	23	Fail					
LNWR	Impacted	2014	X1	10	26	Fail					
LNWR	Impacted	2014	LOXA101	12	14	Pass	17	Fail			
LNWR	Impacted	2015	X1	9	21	Fail					
LNWR	Impacted	2015	LOXA105	8	13	Pass					
LNWR	Impacted	2015	Z1	10	24	Fail					

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Table 3. Continued.

Area	Criterion Network	Water Year	Station	Sample Size (N)	Annual Site Geometric Mean (µg/L)	≤ 15 µg/L Pass/ Fail	Network Annual Average Geometric Mean (µg/L)	≤ 11 µg/L Pass/ Fail	Network Five--yYear Average Geometric Mean (µg/L)	Network Five- Yyear Average ≤ 10 µg/L Pass/ Fail	3- of 5 -yYear Network Average ≤ 10 µg/L
LNWR	Impacted	2015	LOXA124	11	11	Pass					
LNWR	Impacted	2015	LOXA140	10	11	Pass					
LNWR	Impacted	2015	LOXA101	9	13	Pass	15	Fail			
LNWR	Impacted	2016	LOXA101	8	14	Pass					
LNWR	Impacted	2016	LOXA105	8	17	Fail					
LNWR	Impacted	2016	LOXA124	8	17	Fail					
LNWR	Impacted	2016	X1	7	23	Fail					
LNWR	Impacted	2016	LOXA140	8	10	Pass					
LNWR	Impacted	2016	Z1	7	19	Fail	17	Fail	18	Fail	Fail
LNWR	Unimpacted	2012	LOX10	5	N/A (9)	N/A					
LNWR	Unimpacted	2012	LOX4	8	12	Pass					
LNWR	Unimpacted	2012	LOX13	6	N/A (7)	N/A					
LNWR	Unimpacted	2012	LOX7	9	8	Pass					
LNWR	Unimpacted	2012	LOX16	9	8	Pass					
LNWR	Unimpacted	2012	LOX11	9	7	Pass					
LNWR	Unimpacted	2012	LOX5	3	N/A (7)	N/A					
LNWR	Unimpacted	2012	LOX14	9	7	Pass					
LNWR	Unimpacted	2012	LOX8	8	10	Pass					
LNWR	Unimpacted	2012	LOX3	2	N/A (6)	N/A					
LNWR	Unimpacted	2012	LOX12	10	8	Pass					
LNWR	Unimpacted	2012	LOX6	9	6	Pass					
LNWR	Unimpacted	2012	LOX15	10	7	Pass					
LNWR	Unimpacted	2012	LOX9	5	N/A (7)	N/A					
LNWR	Unimpacted	2012	X4	9	9	Pass					

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Table 3. Continued.

Area	Criterion Network	Water Year	Station	Sample Size (N)	Annual Site Geometric Mean (µg/L)	≤ 15 µg/L Pass/ Fail	Network Annual Average Geometric Mean (µg/L)	≤ 11 µg/L Pass/ Fail	Network Five--yYear Average Geometric Mean (µg/L)	Network Five- Yyear Average ≤ 10 µg/L Pass/ Fail	3- of 5 -yYear Network Average ≤ 10 µg/L
LNWR	Unimpacted	2012	LOXA108	4	N/A (8)	N/A	8	Pass			
LNWR	Unimpacted	2013	LOX10	11	8	Pass					
LNWR	Unimpacted	2013	LOX13	11	6	Pass					
LNWR	Unimpacted	2013	LOX16	12	6	Pass					
LNWR	Unimpacted	2013	LOX4	12	8	Pass					
LNWR	Unimpacted	2013	LOX5	10	8	Pass					
LNWR	Unimpacted	2013	LOX7	12	7	Pass					
LNWR	Unimpacted	2013	LOX8	12	8	Pass					
LNWR	Unimpacted	2013	LOX11	12	6	Pass					
LNWR	Unimpacted	2013	LOX12	12	6	Pass					
LNWR	Unimpacted	2013	LOX14	12	5	Pass					
LNWR	Unimpacted	2013	LOX15	12	6	Pass					
LNWR	Unimpacted	2013	LOX9	12	8	Pass					
LNWR	Unimpacted	2013	LOX3	9	6	Pass					
LNWR	Unimpacted	2013	X4	12	8	Pass					
LNWR	Unimpacted	2013	LOX6	12	5	Pass					
LNWR	Unimpacted	2013	LOXA108	8	8	Pass					
LNWR	Unimpacted	2013	LOXA130	12	9	Pass	7	Pass			
LNWR	Unimpacted	2014	LOX10	10	6	Pass					
LNWR	Unimpacted	2014	LOX13	12	7	Pass					

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Table 3. Continued.

Area	Criterion Network	Water Year	Station	Sample Size (N)	Annual Site Geometric Mean (µg/L)	≤ 15 µg/L Pass/ Fail	Network Annual Average Geometric Mean (µg/L)	≤ 11 µg/L Pass/ Fail	Network Five--yYear Average Geometric Mean (µg/L)	Network Five- Yyear Average ≤ 10 µg/L Pass/ Fail	3- of 5 -yYear Network Average ≤ 10 µg/L
LNWR	Unimpacted	2014	LOX7	12	6	Pass					
LNWR	Unimpacted	2014	LOX16	12	7	Pass					
LNWR	Unimpacted	2014	LOX4	12	7	Pass					
LNWR	Unimpacted	2014	LOX5	9	5	Pass					
LNWR	Unimpacted	2014	LOX14	12	6	Pass					
LNWR	Unimpacted	2014	LOX15	12	6	Pass					
LNWR	Unimpacted	2014	LOX11	11	5	Pass					
LNWR	Unimpacted	2014	LOXA137	12	9	Pass					
LNWR	Unimpacted	2014	LOX12	12	6	Pass					
LNWR	Unimpacted	2014	LOX6	12	5	Pass					
LNWR	Unimpacted	2014	LOX9	12	6	Pass					
LNWR	Unimpacted	2014	LOX3	7	7	Pass					
LNWR	Unimpacted	2014	LOXA130	12	8	Pass					
LNWR	Unimpacted	2014	X4	12	8	Pass					
LNWR	Unimpacted	2014	LOXA108	7	8	Pass					
LNWR	Unimpacted	2014	LOX8	12	8	Pass	7	Pass			
LNWR	Unimpacted	2015	LOX4	10	9	Pass					
LNWR	Unimpacted	2015	LOX13	12	6	Pass					
LNWR	Unimpacted	2015	LOX7	11	8	Pass					
LNWR	Unimpacted	2015	LOX16	12	7	Pass					
LNWR	Unimpacted	2015	LOX11	12	6	Pass					
LNWR	Unimpacted	2015	LOX5	10	8	Pass					
LNWR	Unimpacted	2015	LOX12	12	7	Pass					
LNWR	Unimpacted	2015	LOX15	11	6	Pass					
LNWR	Unimpacted	2015	LOX10	8	6	Pass					

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Table 3. Continued.

Area	Criterion Network	Water Year	Station	Sample Size (N)	Annual Site Geometric Mean (µg/L)	≤ 15 µg/L Pass/ Fail	Network Annual Average Geometric Mean (µg/L)	≤ 11 µg/L Pass/ Fail	Network Five--yYear Average Geometric Mean (µg/L)	Network Five- Yyear Average ≤ 10 µg/L Pass/ Fail	3- of 5 -yYear Network Average ≤ 10 µg/L
LNWR	Unimpacted	2015	LOXA137	9	10	Pass					
LNWR	Unimpacted	2015	LOX3	8	8	Pass					
LNWR	Unimpacted	2015	LOX6	11	6	Pass					
LNWR	Unimpacted	2015	LOXA108	8	9	Pass					
LNWR	Unimpacted	2015	LOX9	10	8	Pass					
LNWR	Unimpacted	2015	X4	11	8	Pass					
LNWR	Unimpacted	2015	LOX14	12	6	Pass					
LNWR	Unimpacted	2015	LOX8	11	9	Pass					
LNWR	Unimpacted	2015	LOXA130	11	10	Pass	8	Pass			
LNWR	Unimpacted	2016	LOX4	10	9	Pass					
LNWR	Unimpacted	2016	LOX11	10	7	Pass					
LNWR	Unimpacted	2016	LOX7	10	8	Pass					
LNWR	Unimpacted	2016	LOX16	11	8	Pass					
LNWR	Unimpacted	2016	LOX10	8	7	Pass					
LNWR	Unimpacted	2016	LOX13	10	7	Pass					
LNWR	Unimpacted	2016	LOX12	12	8	Pass					
LNWR	Unimpacted	2016	LOX6	9	7	Pass					
LNWR	Unimpacted	2016	LOX15	11	6	Pass					
LNWR	Unimpacted	2016	LOXA137	9	9	Pass					
LNWR	Unimpacted	2016	LOX3	8	7	Pass					
LNWR	Unimpacted	2016	LOX5	8	7	Pass					
LNWR	Unimpacted	2016	LOX14	12	7	Pass					
LNWR	Unimpacted	2016	LOX9	8	7	Pass					
LNWR	Unimpacted	2016	LOX8	10	8	Pass					
LNWR	Unimpacted	2016	X4	10	8	Pass					

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Table 3. Continued.

Area	Criterion Network	Water Year	Station	Sample Size (N)	Annual Site Geometric Mean (µg/L)	≤ 15 µg/L Pass/ Fail	Network Annual Average Geometric Mean (µg/L)	≤ 11 µg/L Pass/ Fail	Network Five--yYear Average Geometric Mean (µg/L)	Network Five- Yyear Average ≤ 10 µg/L Pass/ Fail	3- of 5 -yYear Network Average ≤ 10 µg/L
LNWR	Unimpacted	2016	LOXA108	7	7	Pass					
LNWR	Unimpacted	2016	LOXA130	10	9	Pass	8	Pass	7	Pass	Pass
WCA-2	Impacted	2012	2AN1	10	14	Pass					
WCA-2	Impacted	2012	WCA2F4	10	10	Pass					
WCA-2	Impacted	2012	WCA2F1	8	23	Fail					
WCA-2	Impacted	2012	404Z1	8	15	Pass					
WCA-2	Impacted	2012	CA223	5	N/A (41)	N/A	16	Fail			
WCA-2	Impacted	2013	2AN1	12	15	Fail					
WCA-2	Impacted	2013	WCA2F1	10	31	Fail					
WCA-2	Impacted	2013	404Z1	7	33	Fail					
WCA-2	Impacted	2013	CA223	11	17	Fail	24	Fail			
WCA-2	Impacted	2014	WCA2F1	9	23	Fail					
WCA-2	Impacted	2014	2AN1	12	16	Fail					
WCA-2	Impacted	2014	404Z1	8	25	Fail					
WCA-2	Impacted	2014	CA223	9	16	Fail	20	Fail			
WCA-2	Impacted	2015	2AN1	10	15	Pass					
WCA-2	Impacted	2015	CA223	6	21	Fail					
WCA-2	Impacted	2015	WCA2F1	6	26	Fail					
WCA-2	Impacted	2015	404Z1	10	20	Fail	20	Fail			
WCA-2	Impacted	2016	2AN1	11	17	Fail					
WCA-2	Impacted	2016	404Z1	9	20	Fail					
WCA-2	Impacted	2016	CA223	6	28	Fail					
WCA-2	Impacted	2016	WCA2F1	8	23	Fail	22	Fail	20	Fail	Fail
WCA-2	Unimpacted	2012	CA217	9	5	Pass					
WCA-2	Unimpacted	2012	CA26	9	4	Pass					

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Table 3. Continued.

Area	Criterion Network	Water Year	Station	Sample Size (N)	Annual Site Geometric Mean (µg/L)	≤ 15 µg/L Pass/ Fail	Network Annual Average Geometric Mean (µg/L)	≤ 11 µg/L Pass/ Fail	Network Five--yYear Average Geometric Mean (µg/L)	Network Five- Yyear Average ≤ 10 µg/L Pass/ Fail	3- of 5 -yYear Network Average ≤ 10 µg/L
WCA-2	Unimpacted	2012	U1	10	7	Pass					
WCA-2	Unimpacted	2012	CA222	8	4	Pass					
WCA-2	Unimpacted	2012	CA224	8	7	Pass					
WCA-2	Unimpacted	2012	WCA2F5	9	6	Pass					
WCA-2	Unimpacted	2012	404C2	8	7	Pass					
WCA-2	Unimpacted	2012	U3	9	5	Pass					
WCA-2	Unimpacted	2012	CA29	10	5	Pass	6	Pass			
WCA-2	Unimpacted	2013	CA222	12	5	Pass					
WCA-2	Unimpacted	2013	CA217	12	5	Pass					
WCA-2	Unimpacted	2013	CA29	12	5	Pass					
WCA-2	Unimpacted	2013	U3	12	5	Pass					
WCA-2	Unimpacted	2013	CA224	11	6	Pass					
WCA-2	Unimpacted	2013	WCA2F4	10	9	Pass					
WCA-2	Unimpacted	2013	CA26	11	5	Pass					
WCA-2	Unimpacted	2013	U1	11	6	Pass					
WCA-2	Unimpacted	2013	WCA2F5	12	6	Pass					
WCA-2	Unimpacted	2013	404C2	10	7	Pass	6	Pass			
WCA-2	Unimpacted	2014	U1	12	5	Pass					
WCA-2	Unimpacted	2014	CA224	12	6	Pass					
WCA-2	Unimpacted	2014	404C2	11	6	Pass					
WCA-2	Unimpacted	2014	U3	12	5	Pass					
WCA-2	Unimpacted	2014	CA217	12	4	Pass					
WCA-2	Unimpacted	2014	WCA2F5	12	6	Pass					
WCA-2	Unimpacted	2014	CA29	12	4	Pass					
WCA-2	Unimpacted	2014	CA222	12	5	Pass					

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Table 3. Continued.

Area	Criterion Network	Water Year	Station	Sample Size (N)	Annual Site Geometric Mean (µg/L)	≤ 15 µg/L Pass/ Fail	Network Annual Average Geometric Mean (µg/L)	≤ 11 µg/L Pass/ Fail	Network Five--yYear Average Geometric Mean (µg/L)	Network Five- Yyear Average ≤ 10 µg/L Pass/ Fail	3- of 5 -yYear Network Average ≤ 10 µg/L
WCA-2	Unimpacted	2014	WCA2F4	12	7	Pass					
WCA-2	Unimpacted	2014	CA26	12	4	Pass	5	Pass			
WCA-2	Unimpacted	2015	CA29	11	5	Pass					
WCA-2	Unimpacted	2015	CA26	11	4	Pass					
WCA-2	Unimpacted	2015	404C2	10	7	Pass					
WCA-2	Unimpacted	2015	CA224	9	6	Pass					
WCA-2	Unimpacted	2015	CA217	8	5	Pass					
WCA-2	Unimpacted	2015	WCA2F5	9	6	Pass					
WCA-2	Unimpacted	2015	U3	11	5	Pass					
WCA-2	Unimpacted	2015	CA222	8	5	Pass					
WCA-2	Unimpacted	2015	WCA2F4	10	9	Pass					
WCA-2	Unimpacted	2015	U1	10	7	Pass	6	Pass			
WCA-2	Unimpacted	2016	CA29	9	4	Pass					
WCA-2	Unimpacted	2016	WCA2F5	11	6	Pass					
WCA-2	Unimpacted	2016	U3	9	5	Pass					
WCA-2	Unimpacted	2016	CA217	10	5	Pass					
WCA-2	Unimpacted	2016	WCA2F4	8	11	Pass					
WCA-2	Unimpacted	2016	CA26	12	5	Pass					
WCA-2	Unimpacted	2016	404C2	11	8	Pass					
WCA-2	Unimpacted	2016	CA224	11	7	Pass					
WCA-2	Unimpacted	2016	CA222	11	5	Pass					
WCA-2	Unimpacted	2016	U1	10	7	Pass	6	Pass	6	Pass	Pass
WCA-3	Impacted	2012	CA35	3	N/A (6)	N/A					
WCA-3	Impacted	2012	CA36	6	31	Fail					
WCA-3	Impacted	2012	CA324	5	N/A (10)	N/A	31	Fail			

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Table 3. Continued.

Area	Criterion Network	Water Year	Station	Sample Size (N)	Annual Site Geometric Mean (µg/L)	≤ 15 µg/L Pass/ Fail	Network Annual Average Geometric Mean (µg/L)	≤ 11 µg/L Pass/ Fail	Network Five--yYear Average Geometric Mean (µg/L)	Network Five- Yyear Average ≤ 10 µg/L Pass/ Fail	3- of 5 -yYear Network Average ≤ 10 µg/L
WCA-3	Impacted	2013	CA35	2	N/A (6)	N/A					
WCA-3	Impacted	2013	CA324	6	10	Pass					
WCA-3	Impacted	2013	CA36	8	32	Fail	21	Fail			
WCA-3	Impacted	2014	CA324	5	N/A (8)	N/A					
WCA-3	Impacted	2014	CA35	6	6	Pass					
WCA-3	Impacted	2014	CA36	7	13	Pass	10	Pass			
WCA-3	Impacted	2015	CA36	7	23	Fail					
WCA-3	Impacted	2015	CA324	4	N/A (14)	N/A					
WCA-3	Impacted	2015	CA35	8	6	Pass	15	Fail			
WCA-3	Impacted	2016	CA324	7	13	Pass					
WCA-3	Impacted	2016	CA35	7	7	Pass					
WCA-3	Impacted	2016	CA36	7	24	Fail	14	Fail	17	Fail	Fail
WCA-3	Unimpacted	2012	CA311	8	5	Pass					
WCA-3	Unimpacted	2012	CA3B2	8	8	Pass					
WCA-3	Unimpacted	2012	CA316	8	7	Pass					
WCA-3	Unimpacted	2012	CA39	10	6	Pass					
WCA-3	Unimpacted	2012	CA33	5	N/A (8)	N/A					
WCA-3	Unimpacted	2012	CA314	10	6	Pass					
WCA-3	Unimpacted	2012	S345B6	9	8	Pass					
WCA-3	Unimpacted	2012	CA319	10	6	Pass					
WCA-3	Unimpacted	2012	3ASMESO	9	5	Pass					
WCA-3	Unimpacted	2012	CA34	7	6	Pass					
WCA-3	Unimpacted	2012	CA315	9	5	Pass					
WCA-3	Unimpacted	2012	CA38	6	4	Pass					
WCA-3	Unimpacted	2012	CA32	8	5	Pass					

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Table 3. Continued.

Area	Criterion Network	Water Year	Station	Sample Size (N)	Annual Site Geometric Mean (µg/L)	≤ 15 µg/L Pass/ Fail	Network Annual Average Geometric Mean (µg/L)	≤ 11 µg/L Pass/ Fail	Network Five--yYear Average Geometric Mean (µg/L)	Network Five- Yyear Average ≤ 10 µg/L Pass/ Fail	3- of 5 -yYear Network Average ≤ 10 µg/L
WCA-3	Unimpacted	2012	CA325	8	4	Pass					
WCA-3	Unimpacted	2012	CA3B1	7	3	Pass	6	Pass			
WCA-3	Unimpacted	2013	CA32	9	5	Pass					
WCA-3	Unimpacted	2013	CA316	12	6	Pass					
WCA-3	Unimpacted	2013	CA39	12	5	Pass					
WCA-3	Unimpacted	2013	CA311	12	4	Pass					
WCA-3	Unimpacted	2013	CA3B2	11	6	Pass					
WCA-3	Unimpacted	2013	S345B6	12	5	Pass					
WCA-3	Unimpacted	2013	CA319	12	5	Pass					
WCA-3	Unimpacted	2013	3ASMESO	12	4	Pass					
WCA-3	Unimpacted	2013	CA314	12	4	Pass					
WCA-3	Unimpacted	2013	CA315	12	4	Pass					
WCA-3	Unimpacted	2013	CA38	10	4	Pass					
WCA-3	Unimpacted	2013	CA33	8	9	Pass					
WCA-3	Unimpacted	2013	CA325	9	5	Pass					
WCA-3	Unimpacted	2013	CA3B1	12	3	Pass					
WCA-3	Unimpacted	2013	CA34	10	7	Pass	5	Pass			
WCA-3	Unimpacted	2014	CA38	10	4	Pass					
WCA-3	Unimpacted	2014	CA316	12	6	Pass					
WCA-3	Unimpacted	2014	CA32	8	5	Pass					
WCA-3	Unimpacted	2014	CA3B2	11	3	Pass					
WCA-3	Unimpacted	2014	S345B6	11	3	Pass					
WCA-3	Unimpacted	2014	CA319	11	4	Pass					
WCA-3	Unimpacted	2014	CA311	12	4	Pass					
WCA-3	Unimpacted	2014	CA314	11	3	Pass					

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Table 3. Continued.

Area	Criterion Network	Water Year	Station	Sample Size (N)	Annual Site Geometric Mean (µg/L)	≤ 15 µg/L Pass/ Fail	Network Annual Average Geometric Mean (µg/L)	≤ 11 µg/L Pass/ Fail	Network Five--yYear Average Geometric Mean (µg/L)	Network Five- Yyear Average ≤ 10 µg/L Pass/ Fail	3- of 5 -yYear Network Average ≤ 10 µg/L
WCA-3	Unimpacted	2014	CA315	12	3	Pass					
WCA-3	Unimpacted	2014	CA3B1	11	2	Pass					
WCA-3	Unimpacted	2014	CA39	10	5	Pass					
WCA-3	Unimpacted	2014	CA33	7	7	Pass					
WCA-3	Unimpacted	2014	CA325	8	3	Pass					
WCA-3	Unimpacted	2014	3ASMESO	11	3	Pass					
WCA-3	Unimpacted	2014	CA34	7	6	Pass	4	Pass			
WCA-3	Unimpacted	2015	CA315	11	4	Pass					
WCA-3	Unimpacted	2015	CA38	9	4	Pass					
WCA-3	Unimpacted	2015	CA3B2	10	4	Pass					
WCA-3	Unimpacted	2015	S345B6	11	4	Pass					
WCA-3	Unimpacted	2015	CA32	6	7	Pass					
WCA-3	Unimpacted	2015	CA311	7	4	Pass					
WCA-3	Unimpacted	2015	CA314	12	4	Pass					
WCA-3	Unimpacted	2015	CA3B1	9	4	Pass					
WCA-3	Unimpacted	2015	CA316	9	6	Pass					
WCA-3	Unimpacted	2015	CA39	10	5	Pass					
WCA-3	Unimpacted	2015	CA33	7	10	Pass					
WCA-3	Unimpacted	2015	CA325	8	4	Pass					
WCA-3	Unimpacted	2015	CA319	10	4	Pass					
WCA-3	Unimpacted	2015	3ASMESO	10	4	Pass					
WCA-3	Unimpacted	2015	CA34	8	5	Pass	5	Pass			
WCA-3	Unimpacted	2016	CA315	11	4	Pass					
WCA-3	Unimpacted	2016	CA314	12	5	Pass					
WCA-3	Unimpacted	2016	CA38	8	4	Pass					

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Table 3. Continued.

Area	Criterion Network	Water Year	Station	Sample Size (N)	Annual Site Geometric Mean (µg/L)	≤ 15 µg/L Pass/ Fail	Network Annual Average Geometric Mean (µg/L)	≤ 11 µg/L Pass/ Fail	Network Five--yYear Average Geometric Mean (µg/L)	Network Five- Yyear Average ≤ 10 µg/L Pass/ Fail	3- of 5 -yYear Network Average ≤ 10 µg/L
WCA-3	Unimpacted	2016	CA32	7	6	Pass					
WCA-3	Unimpacted	2016	CA311	10	4	Pass					
WCA-3	Unimpacted	2016	CA34	8	7	Pass					
WCA-3	Unimpacted	2016	CA3B1	9	5	Pass					
WCA-3	Unimpacted	2016	CA316	8	7	Pass					
WCA-3	Unimpacted	2016	CA39	9	7	Pass					
WCA-3	Unimpacted	2016	CA33	8	9	Pass					
WCA-3	Unimpacted	2016	CA3B2	9	5	Pass					
WCA-3	Unimpacted	2016	S345B6	10	4	Pass					
WCA-3	Unimpacted	2016	CA319	11	5	Pass					
WCA-3	Unimpacted	2016	3ASMESO	12	5	Pass					
WCA-3	Unimpacted	2016	CA325	9	5	Pass	5	Pass	5	Pass	Pass
ENP	N/A	2012	EP	8	3	Pass					
ENP	N/A	2012	G-3273	4	N/A (5)	N/A					
ENP	N/A	2012	P33	10	5	Pass					
ENP	N/A	2012	P34	8	4	Pass					
ENP	N/A	2012	TSB	5	N/A (4)	N/A					
ENP	N/A	2012	NE1	9	5	Pass					
ENP	N/A	2012	RG1	6	6	Pass					
ENP	N/A	2012	P37	6	2	Pass					
ENP	N/A	2012	CR2	7	4	Pass					
ENP	N/A	2012	NP201	9	6	Pass					
ENP	N/A	2012	SRS1C	6	7	Pass					
ENP	N/A	2012	SRS2	9	4	Pass	5	Pass			
ENP	N/A	2013	P33	12	4	Pass					

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Table 3. Continued.

Area	Criterion Network	Water Year	Station	Sample Size (N)	Annual Site Geometric Mean (µg/L)	≤ 15 µg/L Pass/ Fail	Network Annual Average Geometric Mean (µg/L)	≤ 11 µg/L Pass/ Fail	Network Five--yYear Average Geometric Mean (µg/L)	Network Five- Yyear Average ≤ 10 µg/L Pass/ Fail	3- of 5 -yYear Network Average ≤ 10 µg/L
ENP	N/A	2013	NP201	12	3	Pass					
ENP	N/A	2013	P34	11	4	Pass					
ENP	N/A	2013	G-3273	8	3	Pass					
ENP	N/A	2013	RG1	8	6	Pass					
ENP	N/A	2013	EP	10	2	Pass					
ENP	N/A	2013	NE1	12	4	Pass					
ENP	N/A	2013	SRS2	11	4	Pass					
ENP	N/A	2013	P37	10	2	Pass					
ENP	N/A	2013	CR2	9	3	Pass					
ENP	N/A	2013	SRS1C	9	4	Pass					
ENP	N/A	2013	TSB	8	3	Pass	4	Pass			
ENP	N/A	2014	P33	11	4	Pass					
ENP	N/A	2014	RG1	9	5	Pass					
ENP	N/A	2014	G-3273	9	3	Pass					
ENP	N/A	2014	NP201	11	3	Pass					
ENP	N/A	2014	P34	10	3	Pass					
ENP	N/A	2014	CR2	9	4	Pass					
ENP	N/A	2014	SRS1C	11	5	Pass					
ENP	N/A	2014	SRS2	12	4	Pass					
ENP	N/A	2014	EP	11	3	Pass					
ENP	N/A	2014	NE1	11	4	Pass					
ENP	N/A	2014	P37	10	2	Pass					
ENP	N/A	2014	SRS1B	10	6	Pass					
ENP	N/A	2014	TSB	9	3	Pass	4	Pass			
ENP	N/A	2015	G-3273	6	3	Pass					

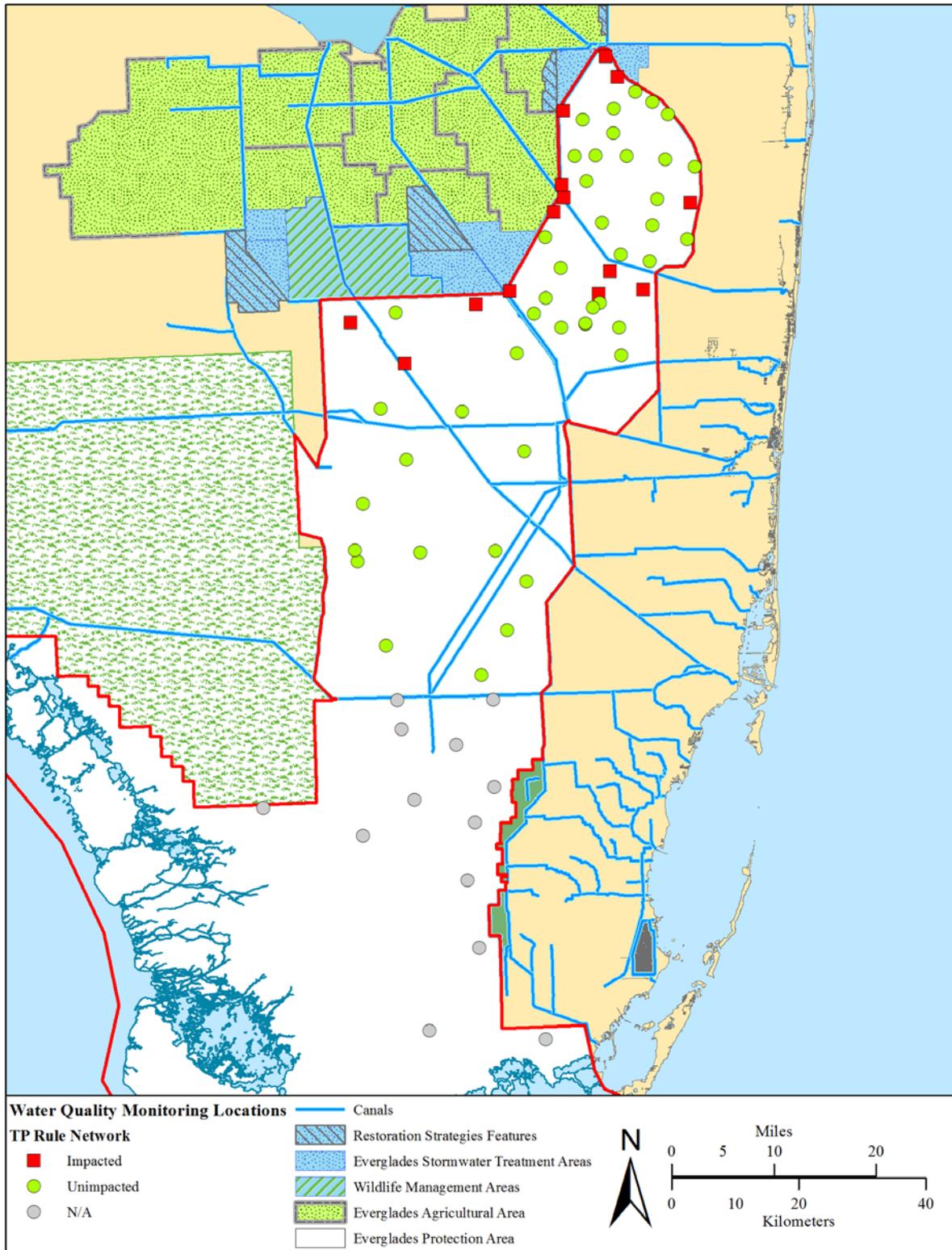
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Table 3. Continued.

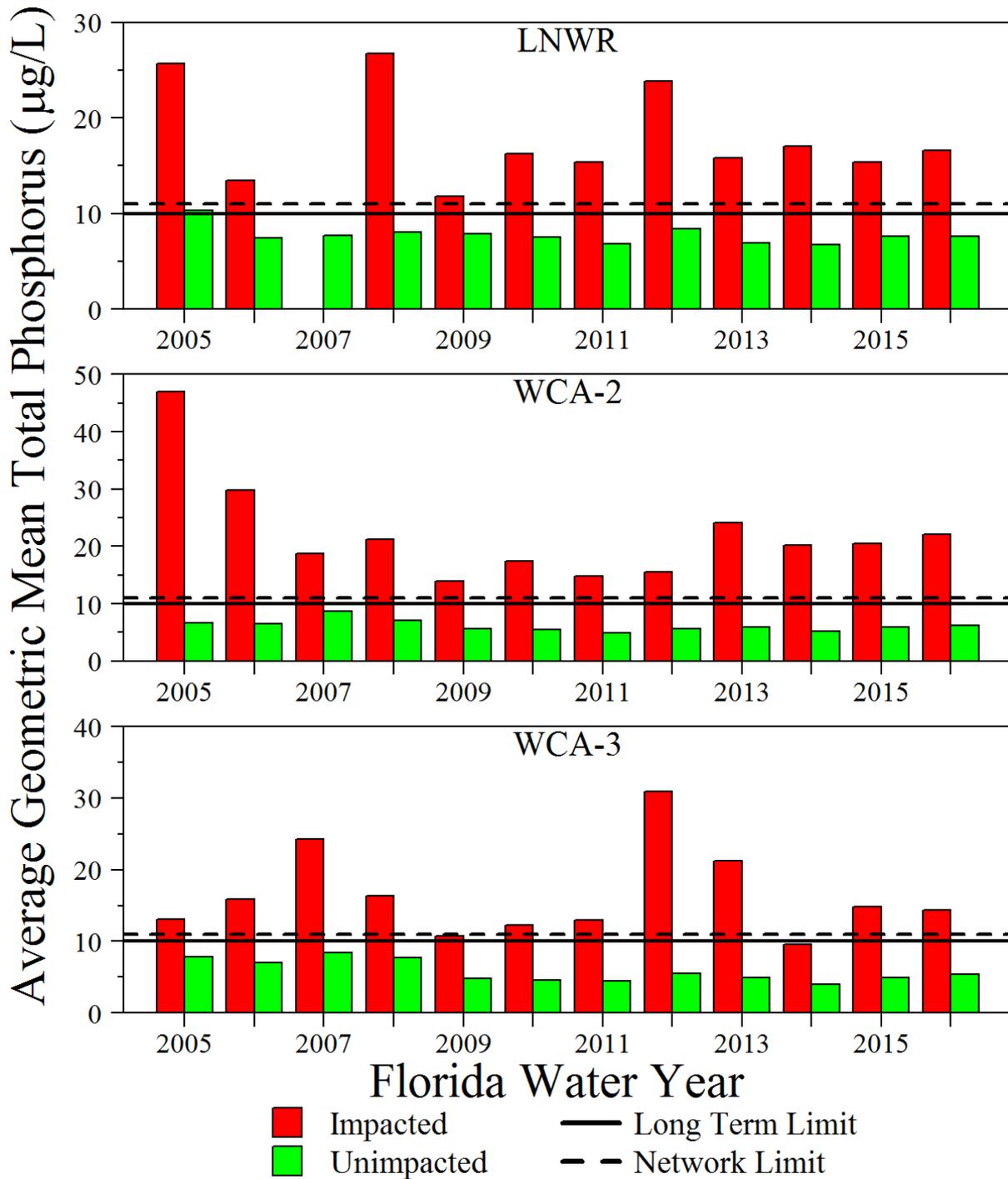
Area	Criterion Network	Water Year	Station	Sample Size (N)	Annual Site Geometric Mean (µg/L)	≤ 15 µg/L Pass/ Fail	Network Annual Average Geometric Mean (µg/L)	≤ 11 µg/L Pass/ Fail	Network Five-yYear Average Geometric Mean (µg/L)	Network Five- Yyear Average ≤ 10 µg/L Pass/ Fail	3- of 5 -yYear Network Average ≤ 10 µg/L
ENP	N/A	2015	RG1	7	4	Pass					
ENP	N/A	2015	CR2	6	3	Pass					
ENP	N/A	2015	SRS1C	7	4	Pass					
ENP	N/A	2015	P34	8	4	Pass					
ENP	N/A	2015	EP	9	3	Pass					
ENP	N/A	2015	NE1	11	5	Pass					
ENP	N/A	2015	SRS2	11	4	Pass					
ENP	N/A	2015	P37	8	2	Pass					
ENP	N/A	2015	TSB	6	4	Pass					
ENP	N/A	2015	SRS1B	5	N/A (8)	N/A					
ENP	N/A	2015	NP201	9	4	Pass					
ENP	N/A	2015	P33	12	4	Pass	4	Pass			
ENP	N/A	2016	G-3273	9	4	Pass					
ENP	N/A	2016	CR2	9	3	Pass					
ENP	N/A	2016	SRS1B	7	9	Pass					
ENP	N/A	2016	RG1	9	5	Pass					
ENP	N/A	2016	P34	9	3	Pass					
ENP	N/A	2016	P37	8	2	Pass					
ENP	N/A	2016	EP	9	3	Pass					
ENP	N/A	2016	SRS1C	7	6	Pass					
ENP	N/A	2016	NP201	8	3	Pass					
ENP	N/A	2016	P33	11	5	Pass					
ENP	N/A	2016	TSB	7	3	Pass					
ENP	N/A	2016	NE1	9	5	Pass					
ENP	N/A	2016	SRS2	12	4	Pass	4	Pass	4	Pass	Pass

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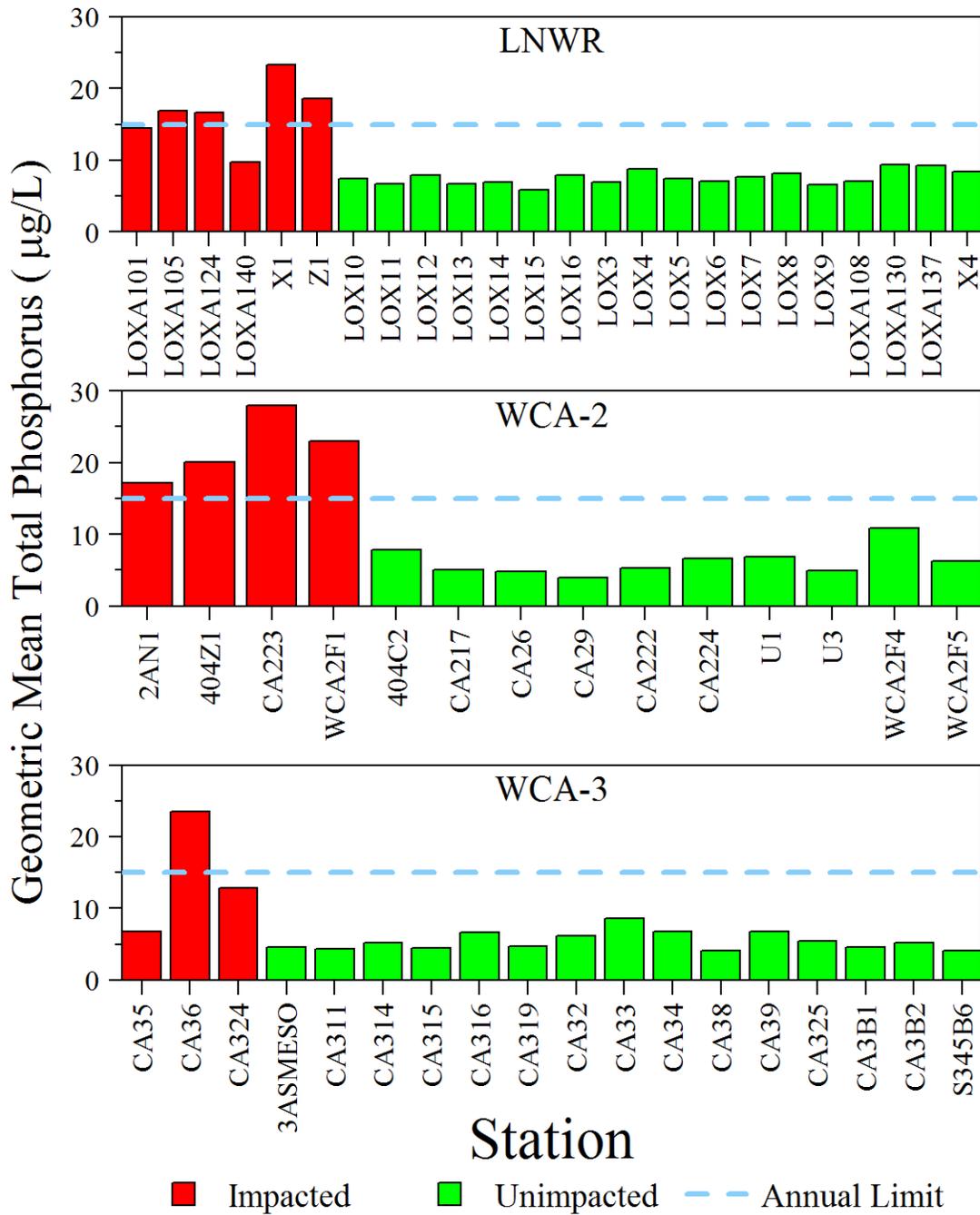
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**Figure 1.** Location of TP rule monitoring stations in the EPA and their respective classifications used in WY2012–WY2016 evaluations. (Note: N/A – not applicable.)



**Figure 2.** Network (impacted and unimpacted) trends for LNWR, WCA-2, and WCA-3 during WY2005–WY2016 relative to the 10 µg/L long-term (five-year) and the 11 µg/L annual network limits for TP. [Note: Due to extreme weather events and drought conditions, a data gap exists for WY2007 within the LNWR.]

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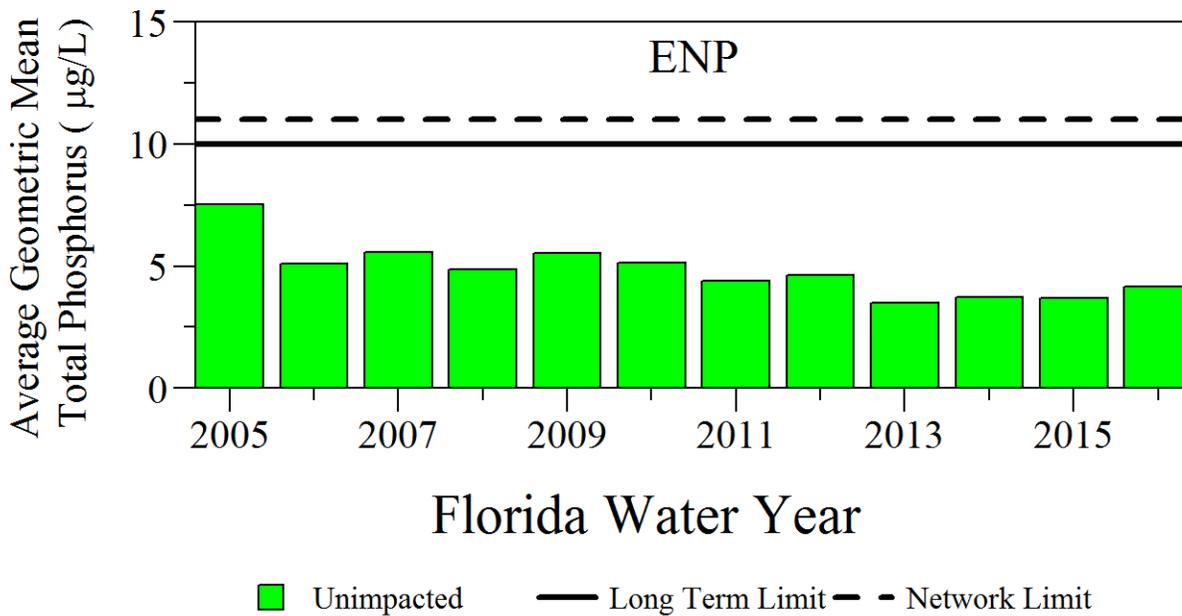
**Figure 3.** TP geometric mean concentration for each station during WY2016 for the LNWR, WCA-2, and WCA-3 relative to the 15 µg/L annual limit.

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97 **TOTAL PHOSPHORUS RULE ASSESSMENT –**  
 98 **EVERGLADES NATIONAL PARK**

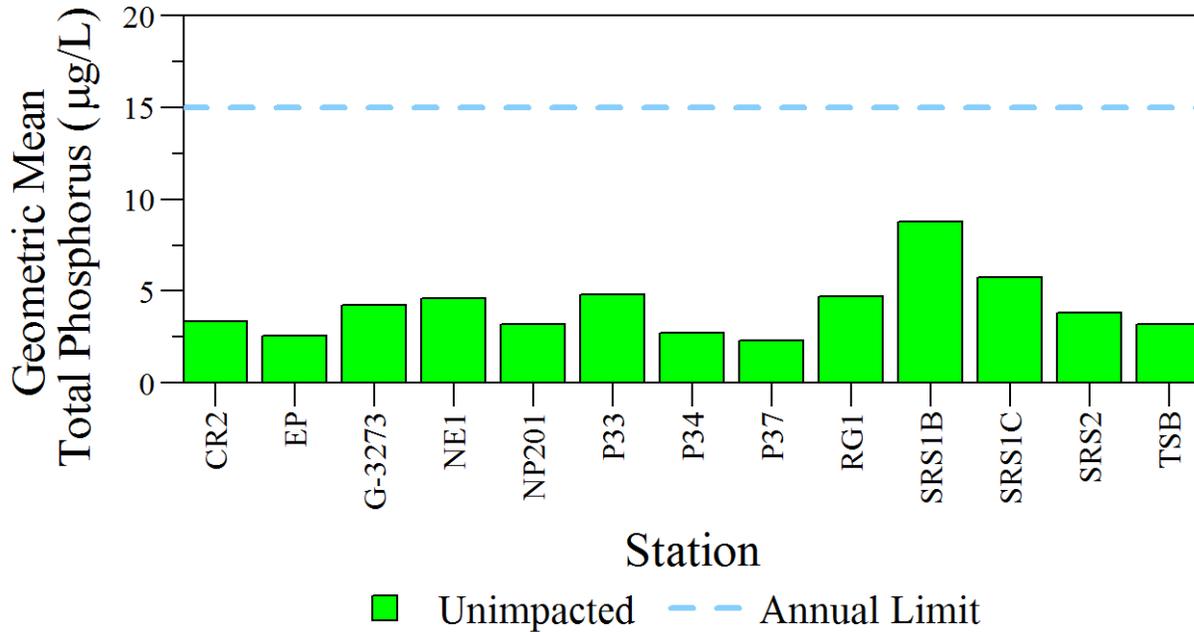
99 As stated in Paragraph 62-302.540(4)(b), F.A.C., achievement of the phosphorus criteria shall be  
 100 assessed for all water bodies in the EPA, which includes ENP. However, Paragraph 62-302.540(4)(c),  
 101 F.A.C., also states “Achievement of the phosphorus criterion in the Park shall be based on the methods as  
 102 set forth in Appendix A of the Settlement Agreement<sup>2</sup> unless the Settlement Agreement is rescinded or  
 103 terminated. If the Settlement Agreement is no longer in force, achievement of the criterion shall be  
 104 determined based on the method provided for the remaining EPA.” The Settlement Agreement remains in  
 105 force and, therefore, data presented in this appendix for the ENP is for informational purposes only and  
 106 **Figure 1** indicates that the TP rule status of stations within the ENP is not applicable for compliance  
 107 purposes. Notably, based on soil TP concentrations and surface water TP concentrations since the inception  
 108 of the monitoring network within the ENP, all stations have been categorized as unimpacted.

109 Stations within the ENP network achieved all aspects of the TP rule (**Table 1**) with a steadily declining  
 110 network average geometric mean TP concentration since WY2005 (**Figure 4**). During WY2016, individual  
 111 station annual geometric means ranged from 2 µg/L (P37) to 9 µg/L (SRS1B), with an overall average  
 112 geometric mean of 4 µg/L (**Figure 5**).



113 **Figure 4.** Network trends for ENP during WY2005–WY2016 relative to the 10 µg/L long-term (five-  
 114 year) and the 11 µg/L annual network limits for TP.  
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<sup>2</sup> United States versus South Florida Water Management District. 1988. Case No. 88-1886-CIV-HOEVELER.

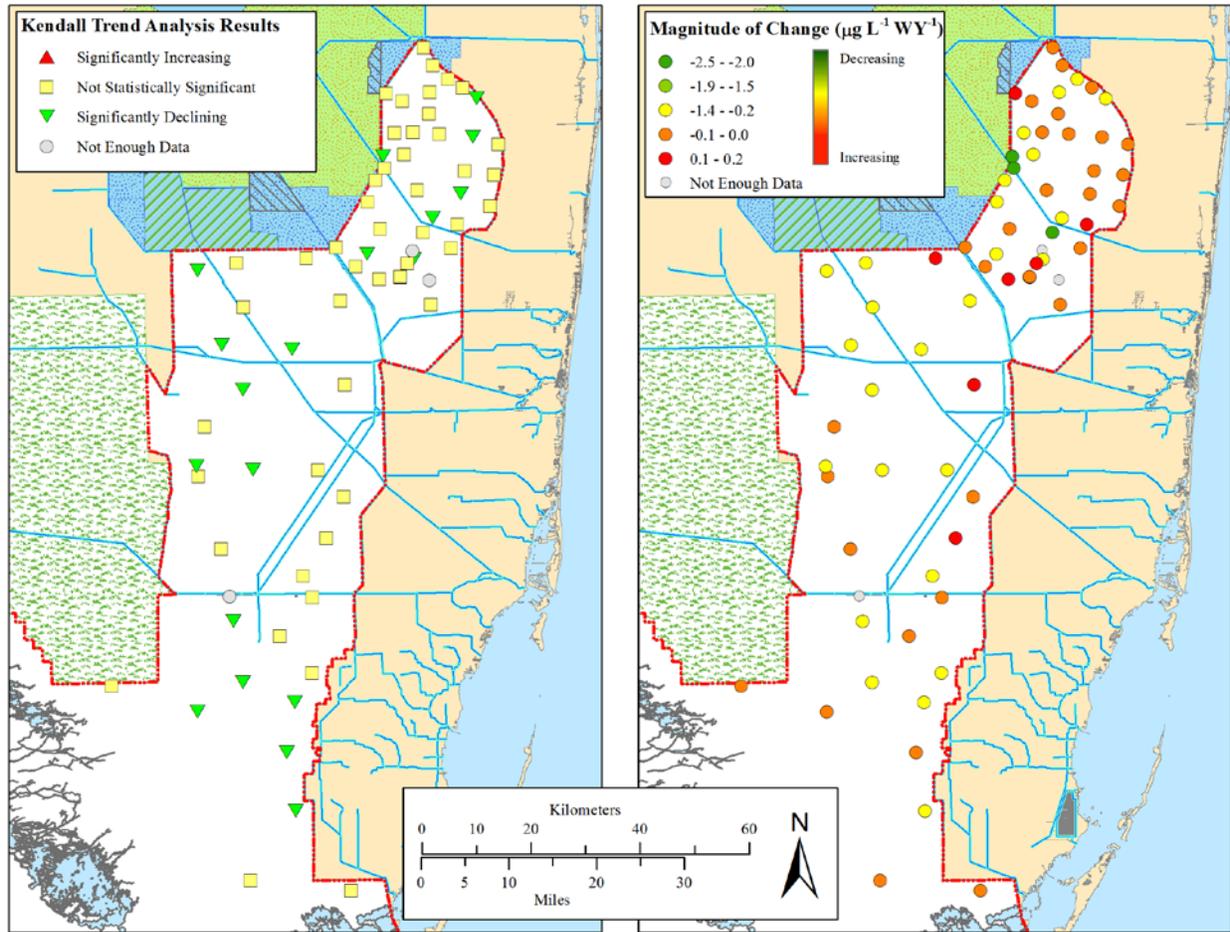


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 117 **Figure 5.** TP geometric mean concentration for each station during WY2016 for ENP relative to the  
 118 15 µg/L annual station limit.

119 **TOTAL PHOSPHORUS RULE ASSESSMENT – TRENDS**

120 Since WY2005 (pre-TP rule development and post-stormwater treatment area construction), the TP  
 121 rule compliance monitoring network monitoring locations have declined in annual geometric mean TP  
 122 concentrations at a rate of  $-0.2 \pm 0.06$  µg/L per water year; 16 out of 67 stations, including current and  
 123 historic total (24 percent of the entire network), experienced significantly declining trends (**Figure 6**). The  
 124 remaining 42 stations did not experience statistically significant trends, and no stations experienced  
 125 significantly increasing trends. The magnitude of change ranged from  $-2.5$  to  $0.2$  µg/L per water year  
 126 (**Figure 6**). Only two stations, WCA2F5 and CA222 (both unimpacted stations in WCA-2), experienced  
 127 slight increases in annual geometric mean TP concentrations throughout the period of record. Furthermore,  
 128 the remaining impacted stations with the TP rule monitoring network experienced a change of  $-0.68 \pm$   
 129  $0.08$  µg/L per water year. A detailed summary of statistical results is presented in **Table 4**.

130 Based on the reported rates of change in **Table 4** for impacted stations, assuming that trends remain  
 131 constant and restoration progresses forward, the ability of impacted stations to attain a  
 132 long-term TP concentration of 10 µg/L could occur anywhere from the next couple of years (i.e., 1 to  
 133 2 years) to the next half century (i.e., ~50 years).



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**Figure 6.** Annual geometric mean TP trend analysis results for data collected at the TP rule compliance monitoring locations between WY2005 and WY2016.

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**Table 4.** Statistical results of annual geometric mean TP trend analysis for data collected at the TP rule compliance monitoring locations between WY2005 and WY2016. (Note: N/A – not applicable.)

Area	Criterion Network	Station	Number of Years	Test Statistic	Kendall $\tau$	$\rho$ value	Sen's Slope Estimate	Trend Status
LNWR	Impacted	LOXA101	10	19.00	-0.16	0.60	-0.154	Not Statistically Significant
LNWR	Impacted	LOXA105	11	29.00	0.05	0.88	0.012	Not Statistically Significant
LNWR	Impacted	LOXA124	11	26.00	-0.05	0.88	-0.117	Not Statistically Significant
LNWR	Impacted	LOXA140	10	19.00	-0.16	0.60	-0.162	Not Statistically Significant
LNWR	Impacted	X1	8	3.00	-0.79	<0.05	-2.511	Significantly Declining
LNWR	Impacted	Z1	9	12.00	-0.33	0.26	-2.296	Not Statistically Significant
LNWR	Unimpacted	LOX10	11	16.00	-0.42	0.09	-0.218	Not Statistically Significant
LNWR	Unimpacted	LOX11	12	20.00	-0.39	0.09	-0.171	Not Statistically Significant
LNWR	Unimpacted	LOX12	12	22.00	-0.33	0.15	-0.099	Not Statistically Significant
LNWR	Unimpacted	LOX13	11	12.00	-0.56	<0.05	-0.148	Significantly Declining
LNWR	Unimpacted	LOX14	12	21.00	-0.36	0.12	-0.112	Not Statistically Significant
LNWR	Unimpacted	LOX15	12	6.00	-0.82	<0.05	-0.215	Significantly Declining
LNWR	Unimpacted	LOX16	12	33.00	0.00	1.00	0.007	Not Statistically Significant
LNWR	Unimpacted	LOX3	8	8.00	-0.43	0.18	-0.209	Not Statistically Significant
LNWR	Unimpacted	LOX4	12	21.00	-0.36	0.12	-0.128	Not Statistically Significant
LNWR	Unimpacted	LOX5	9	14.00	-0.22	0.48	-0.042	Not Statistically Significant
LNWR	Unimpacted	LOX6	12	26.00	-0.21	0.38	-0.094	Not Statistically Significant
LNWR	Unimpacted	LOX7	12	16.00	-0.52	<0.05	-0.138	Significantly Declining
LNWR	Unimpacted	LOX8	12	23.00	-0.30	0.20	-0.140	Not Statistically Significant
LNWR	Unimpacted	LOX9	11	21.00	-0.24	0.36	-0.131	Not Statistically Significant
LNWR	Unimpacted	LOXA108	9	14.00	-0.22	0.48	-0.123	Not Statistically Significant
LNWR	Unimpacted	LOXA130	11	11.00	-0.60	<0.05	-0.502	Significantly Declining
LNWR	Unimpacted	LOXA137	11	17.00	-0.38	0.12	-0.356	Not Statistically Significant
LNWR	Unimpacted	X4	9	10.00	-0.44	0.12	-0.217	Not Statistically Significant
WCA-2	Impacted	2AN1	9	16.00	-0.11	0.76	-0.283	Not Statistically Significant
WCA-2	Impacted	404Z1	9	15.00	-0.17	0.61	-0.120	Not Statistically Significant
WCA-2	Impacted	CA223	7	10.00	-0.05	1.00	-0.092	Not Statistically Significant
WCA-2	Impacted	WCA2F1	11	15.00	-0.45	0.06	-2.380	Not Statistically Significant
WCA-2	Unimpacted	404C2	8	8.00	-0.43	0.18	-0.235	Not Statistically Significant
WCA-2	Unimpacted	CA217	9	14.00	-0.22	0.48	-0.093	Not Statistically Significant
WCA-2	Unimpacted	CA222	9	24.00	0.33	0.26	0.048	Not Statistically Significant
WCA-2	Unimpacted	CA224	9	15.00	-0.17	0.61	-0.035	Not Statistically Significant
WCA-2	Unimpacted	CA26	9	11.00	-0.39	0.18	-0.096	Not Statistically Significant
WCA-2	Unimpacted	CA29	12	12.00	-0.64	<0.05	-0.232	Significantly Declining
WCA-2	Unimpacted	U1	9	14.00	-0.22	0.48	-0.105	Not Statistically Significant
WCA-2	Unimpacted	U3	9	17.00	-0.06	0.92	-0.026	Not Statistically Significant
WCA-2	Unimpacted	WCA2F4	12	13.00	-0.61	<0.05	-0.619	Significantly Declining
WCA-2	Unimpacted	WCA2F5	9	22.00	0.22	0.48	0.066	Not Statistically Significant
WCA-3	Impacted	CA324	3	2.00	0.33	1.00	0.249	Not Statistically Significant
WCA-3	Impacted	CA35	7	3.00	-0.71	<0.05	-0.255	Significantly Declining
WCA-3	Impacted	CA36	11	22.00	-0.20	0.45	-0.713	Not Statistically Significant
WCA-3	Unimpacted	3ASMESO	9	18.00	0.00	1.00	-0.044	Not Statistically Significant
WCA-3	Unimpacted	CA311	12	15.00	-0.55	<0.05	-0.214	Significantly Declining
WCA-3	Unimpacted	CA314	9	12.00	-0.33	0.26	-0.179	Not Statistically Significant
WCA-3	Unimpacted	CA315	12	12.00	-0.64	<0.05	-0.411	Significantly Declining

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**Table 4.** Continued.

Area	Criterion Network	Station	Number of Years	Test Statistic	Kendall $\tau$	$\rho$ value	Sen's Slope Estimate	Trend Status
WCA-3	Unimpacted	CA316	12	18.00	-0.45	<0.05	-0.211	Significantly Declining
WCA-3	Unimpacted	CA319	9	13.00	-0.28	0.36	-0.135	Not Statistically Significant
WCA-3	Unimpacted	CA32	12	19.00	-0.42	0.06	-0.203	Not Statistically Significant
WCA-3	Unimpacted	CA325	8	12.00	-0.14	0.72	-0.053	Not Statistically Significant
WCA-3	Unimpacted	CA33	11	15.00	-0.45	0.06	-0.495	Not Statistically Significant
WCA-3	Unimpacted	CA34	12	16.00	-0.52	<0.05	-0.336	Significantly Declining
WCA-3	Unimpacted	CA38	12	16.00	-0.52	<0.05	-0.208	Significantly Declining
WCA-3	Unimpacted	CA39	9	20.00	0.11	0.76	0.067	Not Statistically Significant
WCA-3	Unimpacted	CA3B1	9	13.00	-0.28	0.36	-0.171	Not Statistically Significant
WCA-3	Unimpacted	CA3B2	9	16.00	-0.11	0.76	-0.220	Not Statistically Significant
WCA-3	Unimpacted	S345B6	9	18.00	0.00	1.00	0.007	Not Statistically Significant
ENP	N/A	CR2	8	4.00	-0.71	<0.05	-0.152	Significantly Declining
ENP	N/A	EP	11	21.00	-0.24	0.36	-0.071	Not Statistically Significant
ENP	N/A	G-3273	7	6.00	-0.43	0.24	-0.331	Not Statistically Significant
ENP	N/A	NE1	12	22.00	-0.33	0.15	-0.168	Not Statistically Significant
ENP	N/A	NP201	12	12.00	-0.64	<0.05	-0.379	Significantly Declining
ENP	N/A	P33	12	9.00	-0.73	<0.05	-0.485	Significantly Declining
ENP	N/A	P34	11	17.00	-0.38	0.12	-0.145	Not Statistically Significant
ENP	N/A	P37	10	-1.80	-0.45	0.07	-0.075	Not Statistically Significant
ENP	N/A	RG1	8	1.00	-0.93	<0.05	-1.155	Significantly Declining
ENP	N/A	SRS1C	8	13.00	-0.07	0.90	-0.040	Not Statistically Significant
ENP	N/A	SRS2	9	8.00	-0.56	<0.05	-0.115	Significantly Declining
ENP	N/A	TSB	10	8.00	-0.64	<0.05	-0.204	Significantly Declining

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 144 In: *2014 South Florida Environmental Report – Volume I*, South Florida Water Management District,  
 145 West Palm Beach, FL.