

# Fort Pickens State Park Aquatic Preserve

## SEACAR Discrete Water Quality Analysis

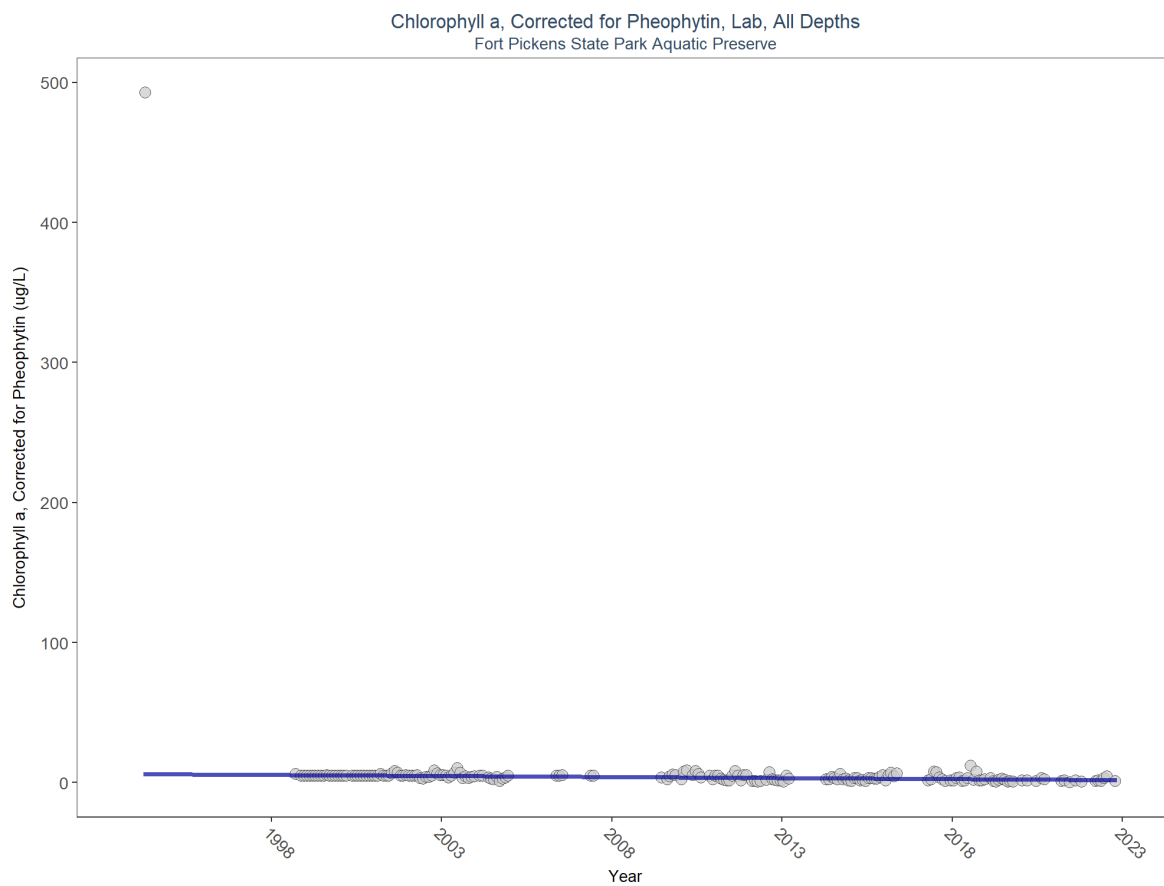
Last compiled on 26 June, 2024

### Contents

<b>Parameters</b>	<b>2</b>
Chlorophyll a, Corrected for Pheophytin . . . . .	2
Chlorophyll a, Uncorrected for Pheophytin . . . . .	3
Dissolved Oxygen . . . . .	4
Dissolved Oxygen Saturation . . . . .	5
pH . . . . .	6
Salinity . . . . .	7
Secchi Depth . . . . .	8
Total Nitrogen . . . . .	9
Total Phosphorus . . . . .	10
Total Suspended Solids . . . . .	11
Turbidity . . . . .	12
Water Temperature . . . . .	13

# Parameters

## Chlorophyll a, Corrected for Pheophytin

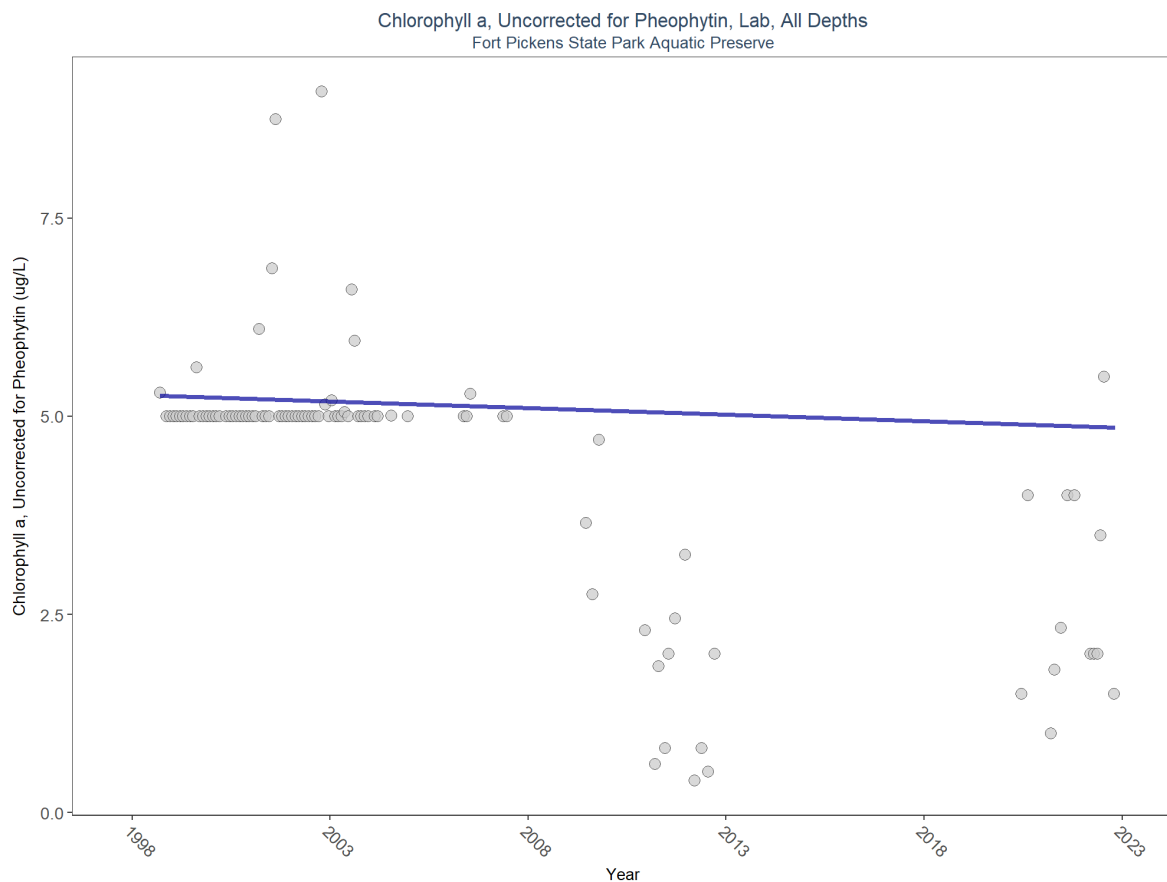


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	386	24	5	TRUE	-0.4241	0.0000	-0.1503125	6.108029	6.7996	0.8151	-1

$p < 0.00005$  appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

## Chlorophyll a, Uncorrected for Pheophytin

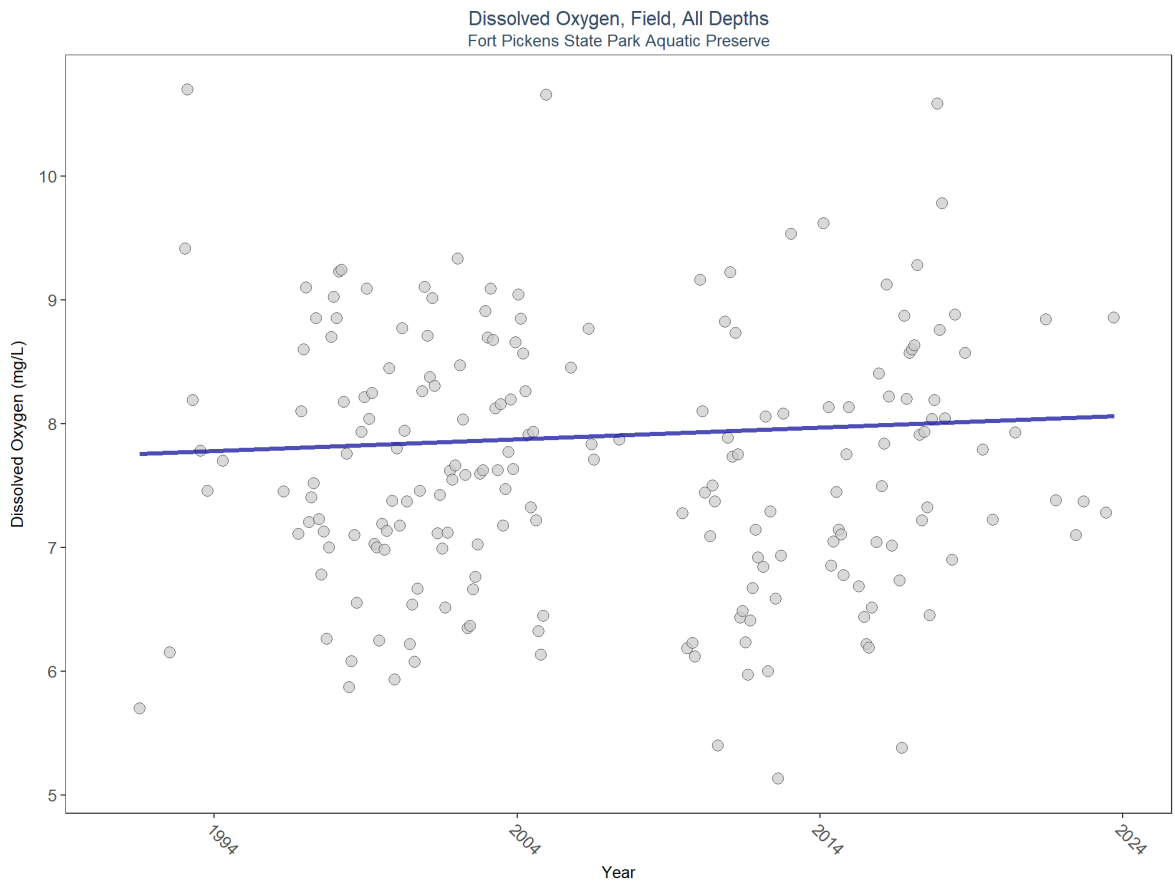


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	226	16	5	TRUE	-0.318	0.0000	-0.01666667	5.271532	NA	NA	-1

$p < 0.00005$  appear as 0 due to rounding.

SennIntercept is intercept value at beginning of  
record for monitoring location

# Dissolved Oxygen

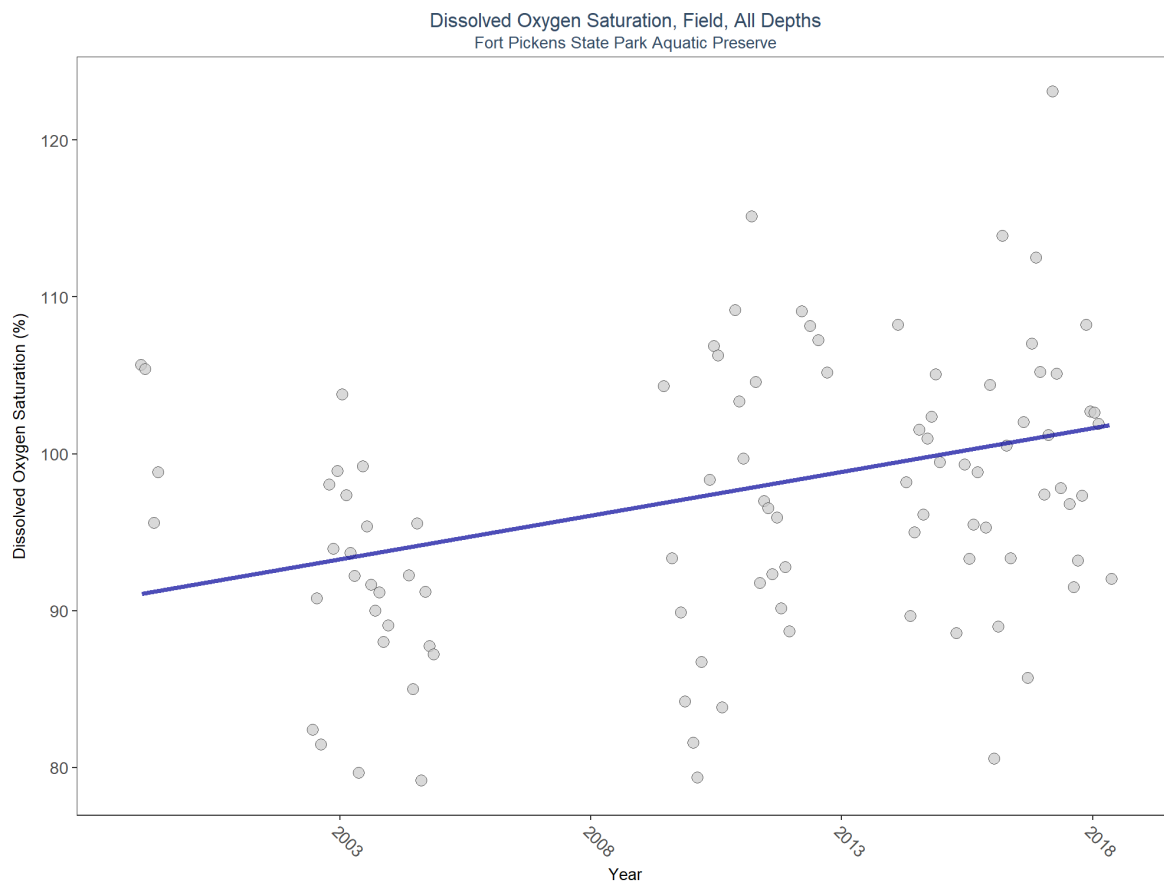


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	1102	31	7.57	TRUE	0.0585	0.2156	0.009480519	7.749116	12.5938	0.3207	0

*p < 0.00005 appear as 0 due to rounding.*

*SennIntercept is intercept value at beginning of  
record for monitoring location*

# Dissolved Oxygen Saturation

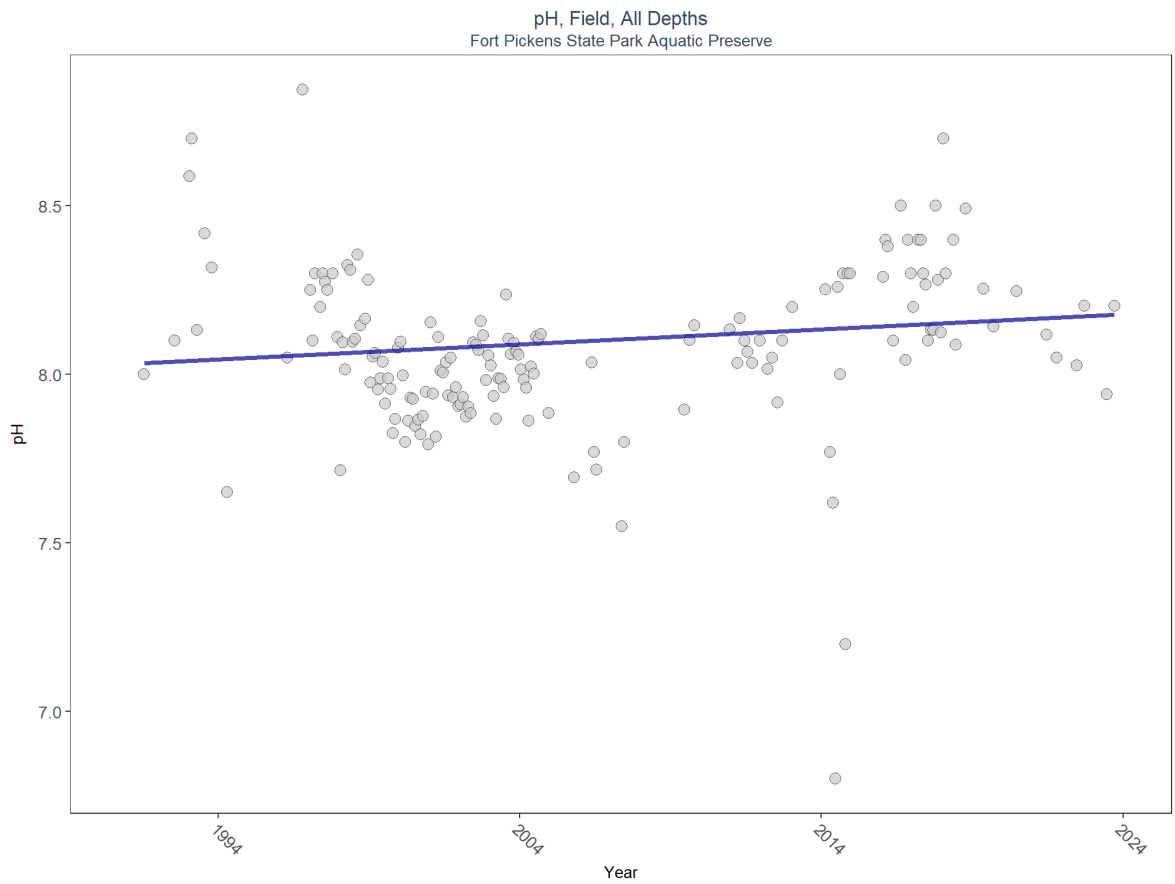


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	247	13	98.01	TRUE	0.2466	0.0025	0.5574045	91.05751	8.4787	0.6699	1

$p < 0.00005$  appear as 0 due to rounding.

*SennIntercept* is intercept value at beginning of record for monitoring location

pH

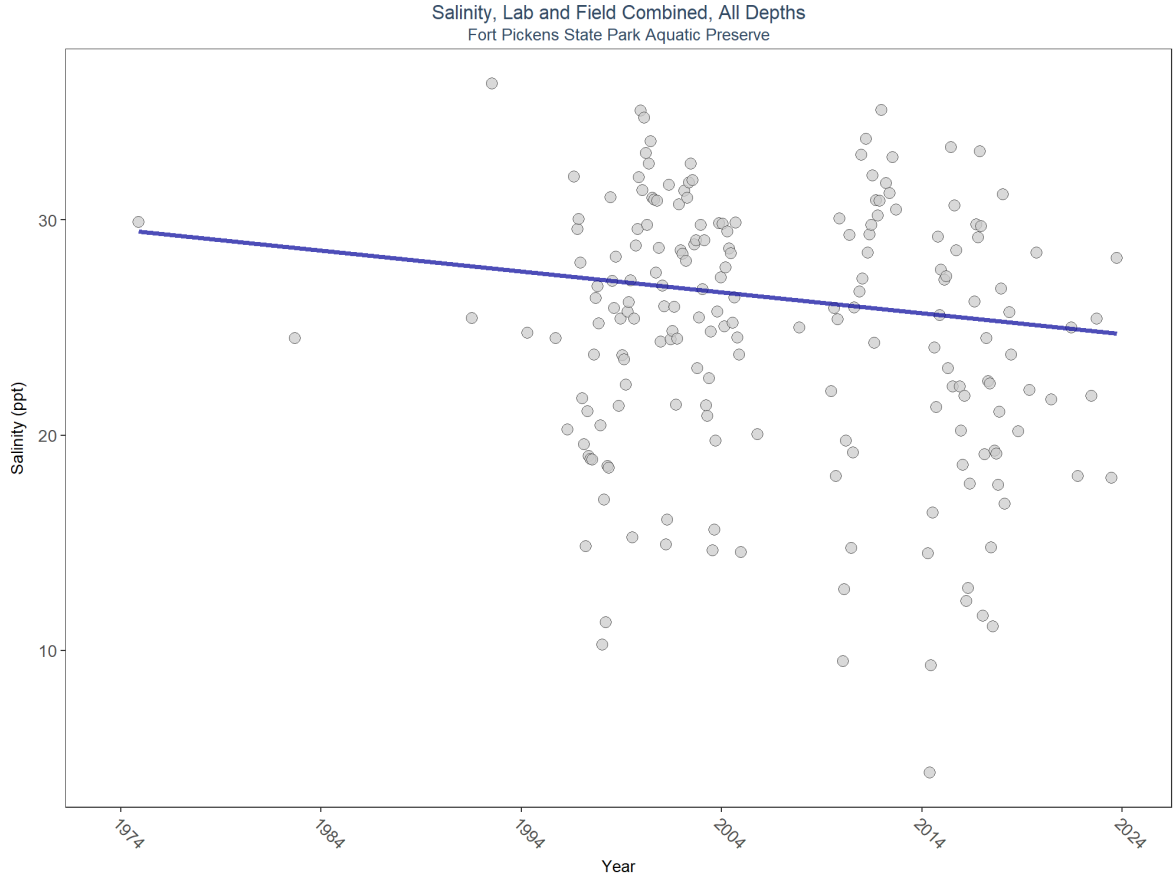


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	920	30	8.1	TRUE	0.1423	0.0450	0.004488636	8.031128	11.1676	0.4293	1

*p < 0.00005 appear as 0 due to rounding.*

*SennIntercept is intercept value at beginning of  
record for monitoring location*

Salinity

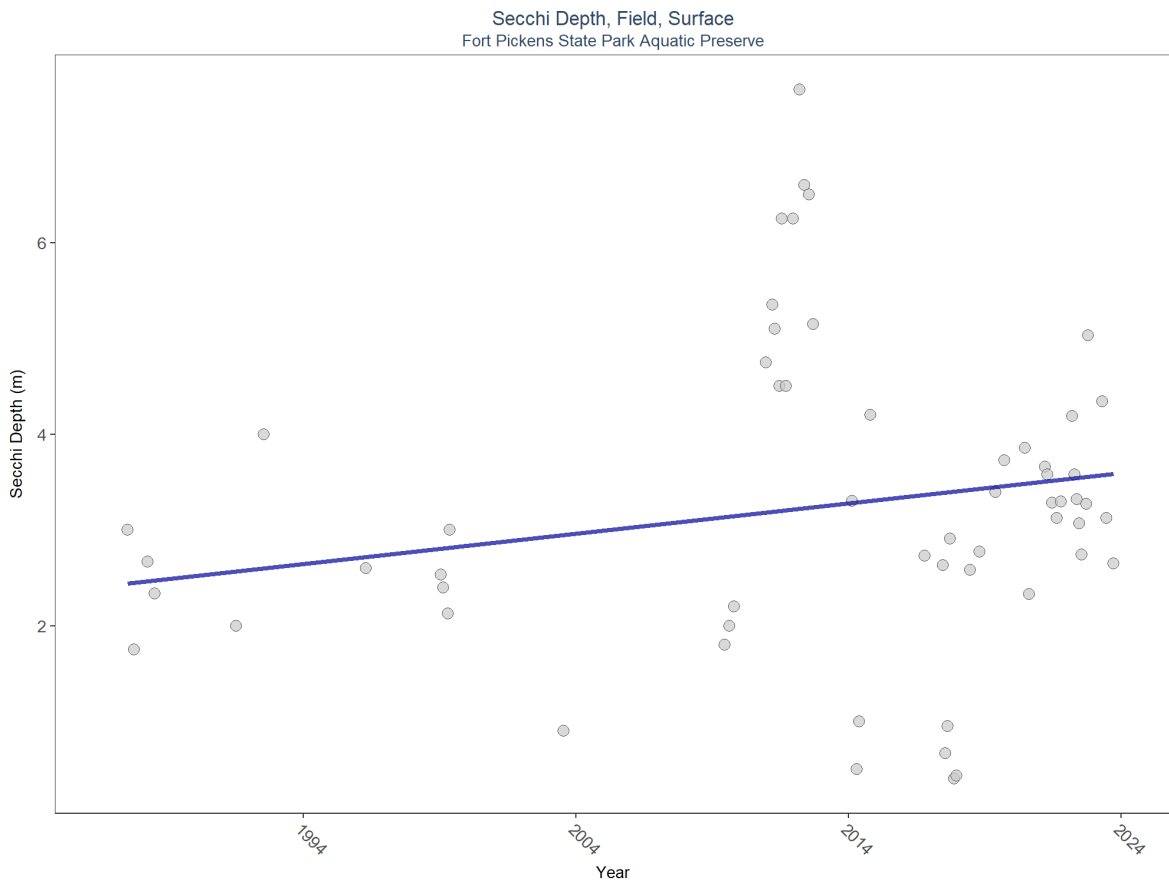


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	1048	31	25.815	TRUE	-0.0978	0.0639	-0.09704762	29.54346	7.5757	0.7507	0

*p < 0.00005 appear as 0 due to rounding.*

*SennIntercept is intercept value at beginning of  
record for monitoring location*

Secchi Depth



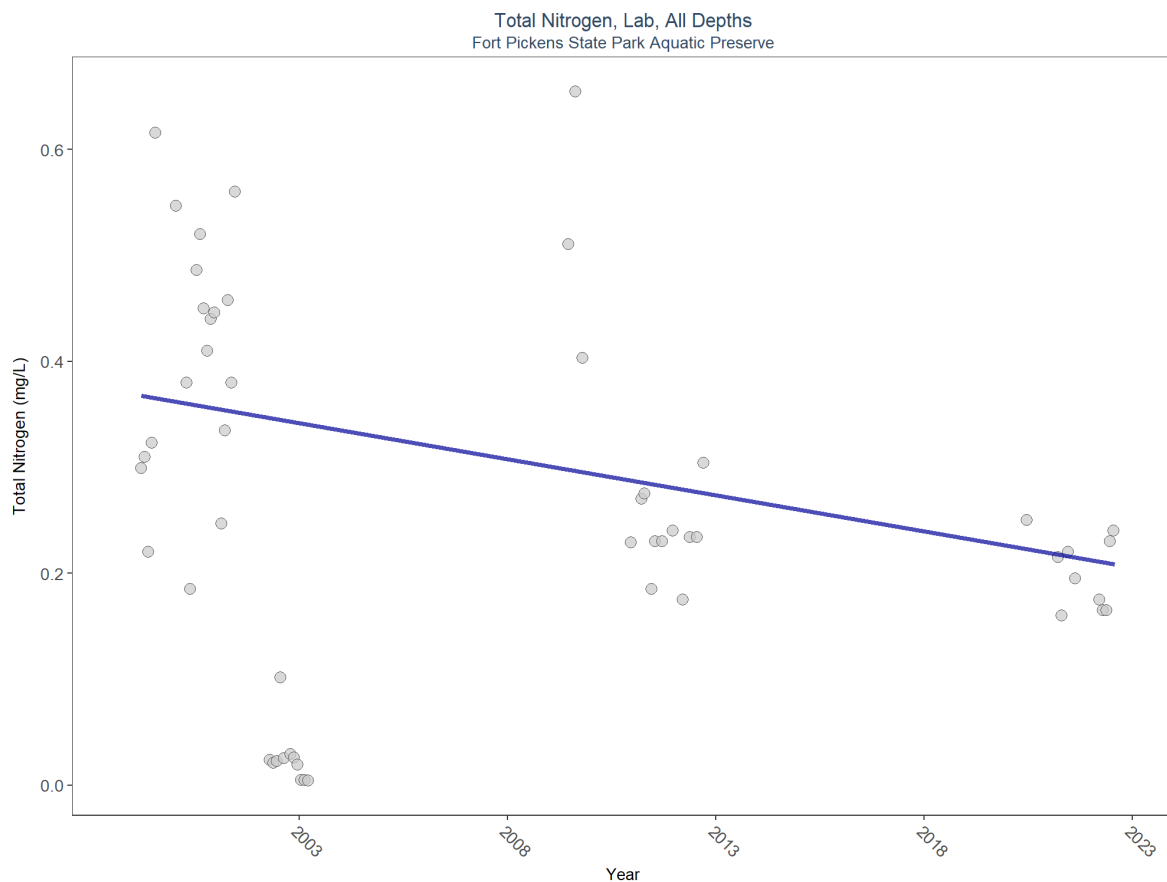
RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
Surface	432	20	3	TRUE	0.1228	0.3239	0.0315446	2.423856	11.5682	0.2388	0

$p < 0.00005$  appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location



## Total Nitrogen

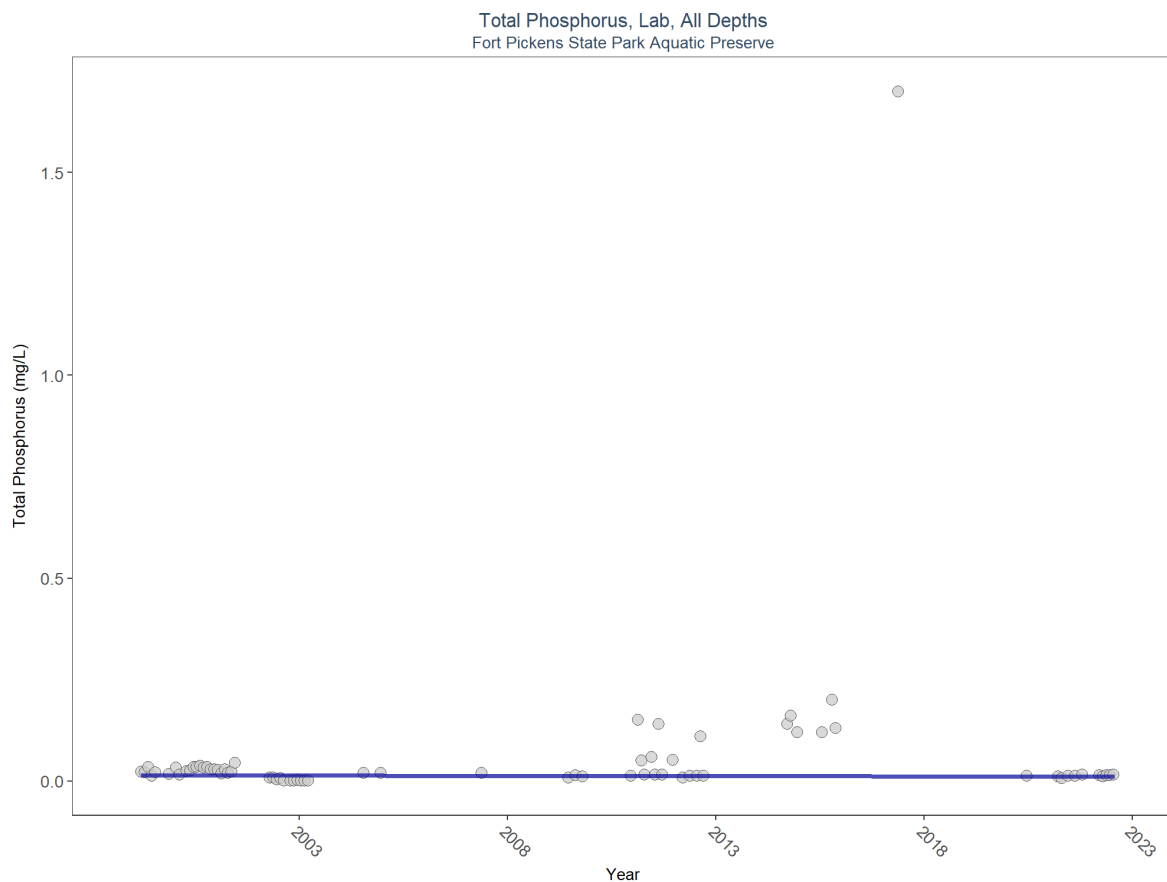


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	96	12	0.22	TRUE	-0.3169	0.0442	-0.006818182	0.3691808	1.7371	0.9992	-1

$p < 0.00005$  appear as 0 due to rounding.

*SennIntercept is intercept value at beginning of  
record for monitoring location*

## Total Phosphorus

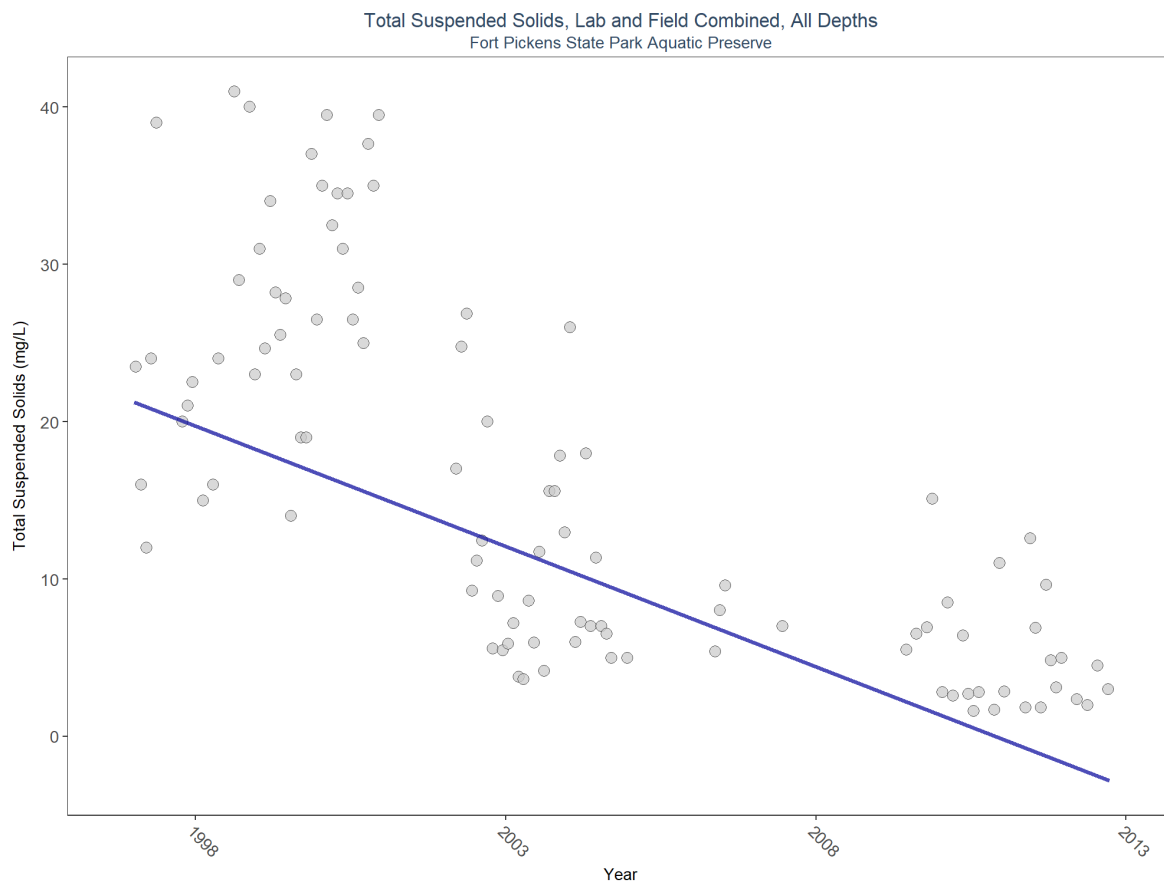


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	124	17	0.014	TRUE	-0.0195	0.8462	-0.0001625	0.01445562	11.1466	0.4311	0

$p < 0.00005$  appear as 0 due to rounding.

*SennIntercept is intercept value at beginning of  
record for monitoring location*

## Total Suspended Solids

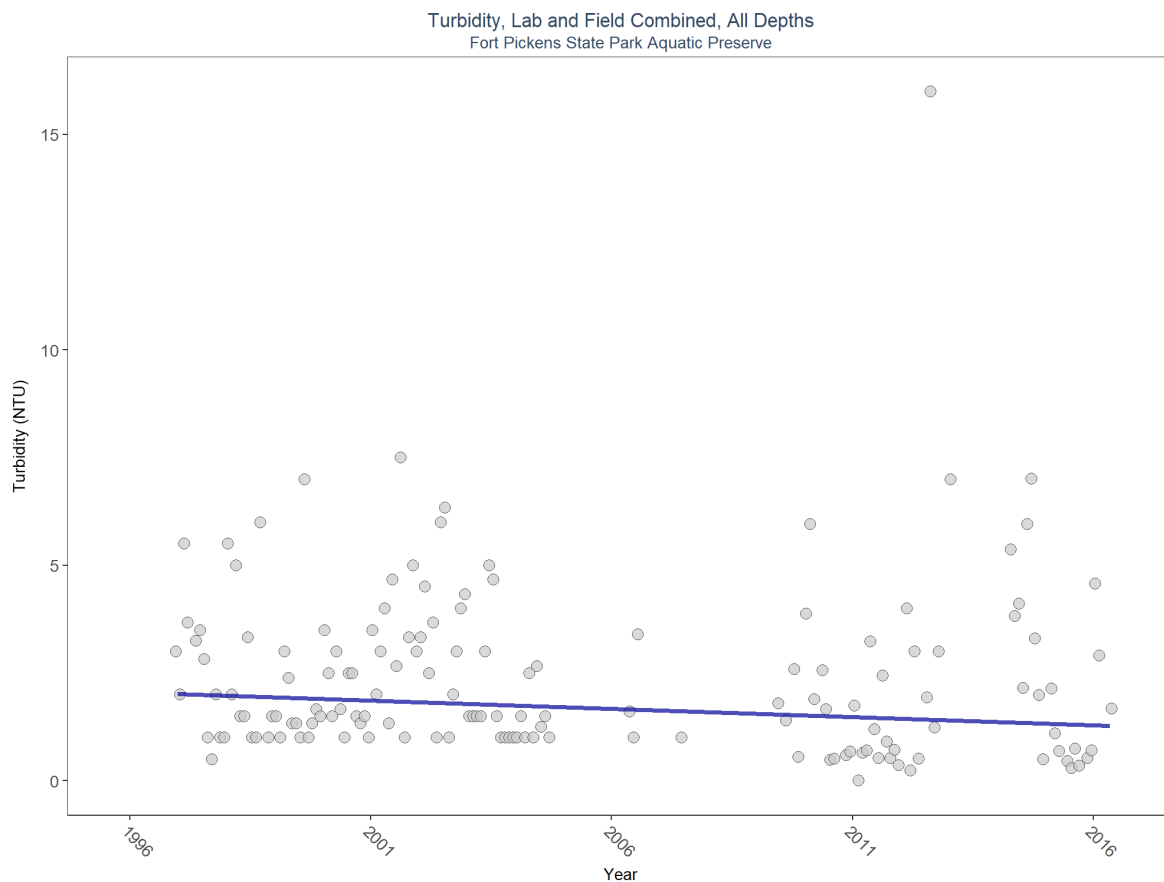


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	265	13	11	TRUE	-0.5894	0.0000	-1.5325	21.28139	7.6889	0.7409	-2

$p < 0.00005$  appear as 0 due to rounding.

*SennIntercept is intercept value at beginning of  
record for monitoring location*

# Turbidity

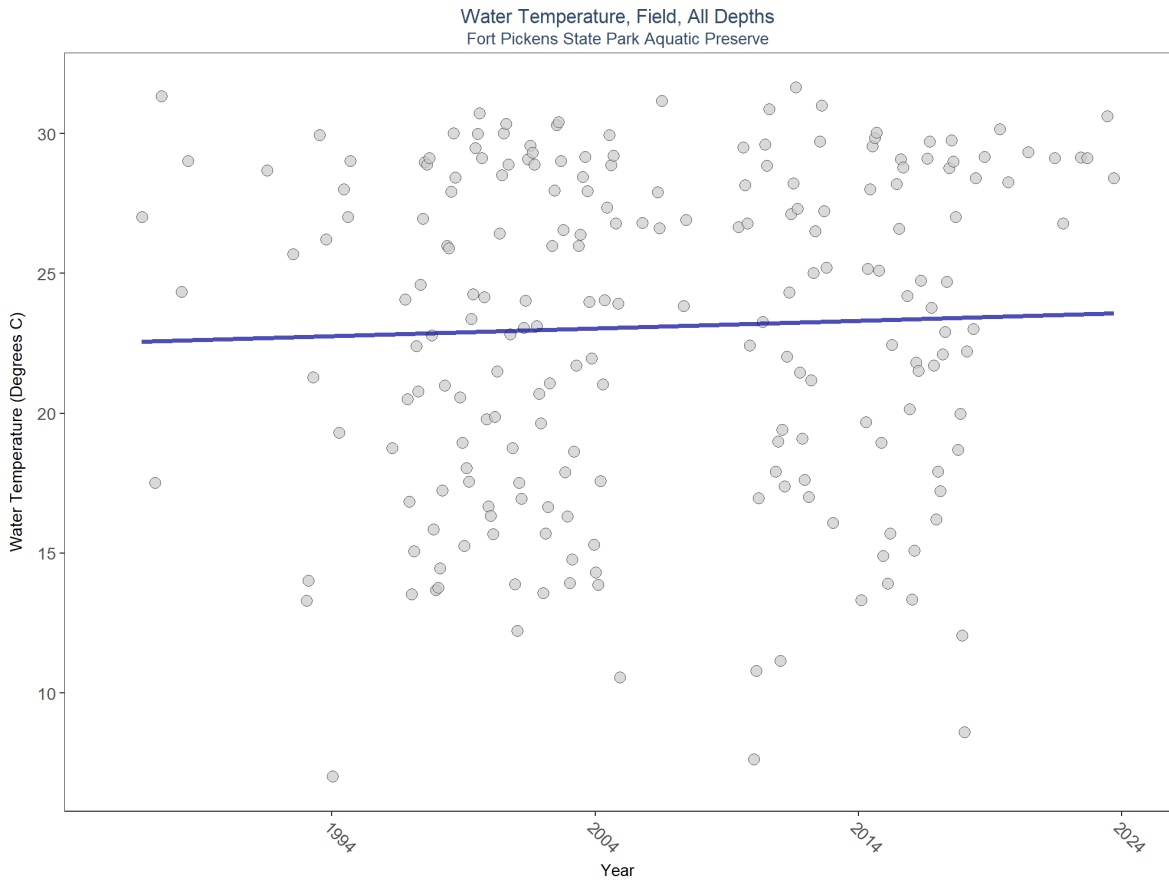


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	347	19	1.2	TRUE	-0.1366	0.0270	-0.03842949	2.058219	14.512	0.2059	-1

$p < 0.00005$  appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

# Water Temperature



RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	1141	34	26.7	TRUE	0.0893	0.0630	0.0277778	22.53166	9.1177	0.611	0

$p < 0.00005$  appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location