

# Alligator Harbor Aquatic Preserve

## SEACAR Discrete Water Quality Analysis

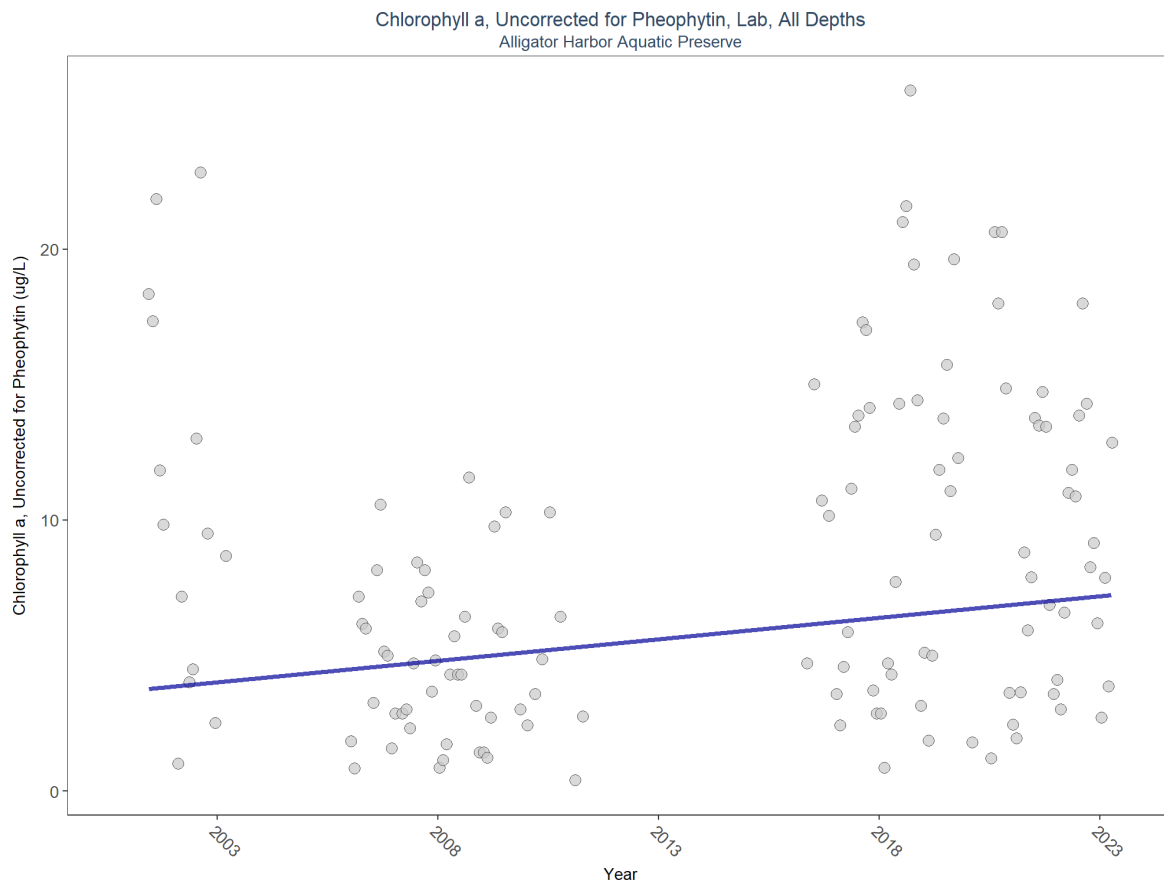
Last compiled on 26 June, 2024

### Contents

<b>Parameters</b>	<b>2</b>
Chlorophyll a, Uncorrected for Pheophytin . . . . .	2
Colored Dissolved Organic Matter . . . . .	3
Dissolved Oxygen . . . . .	4
pH . . . . .	5
Salinity . . . . .	6
Secchi Depth . . . . .	7
Total Nitrogen . . . . .	8
Total Phosphorus . . . . .	9
Turbidity . . . . .	10
Water Temperature . . . . .	11

## Parameters

### Chlorophyll a, Uncorrected for Pheophytin

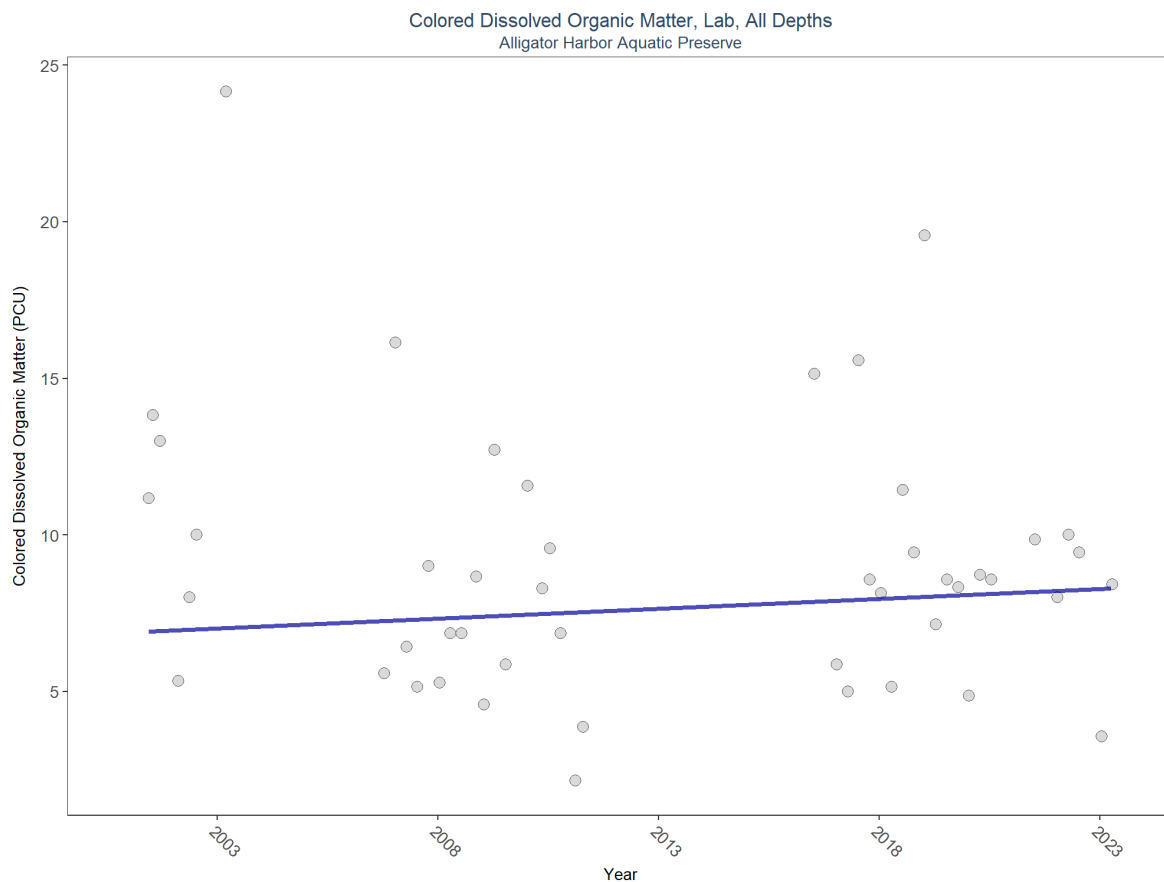


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	1053	17	6	TRUE	0.3035	0.0000	0.1587302	3.701265	9.0529	0.617	1

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

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

## Colored Dissolved Organic Matter

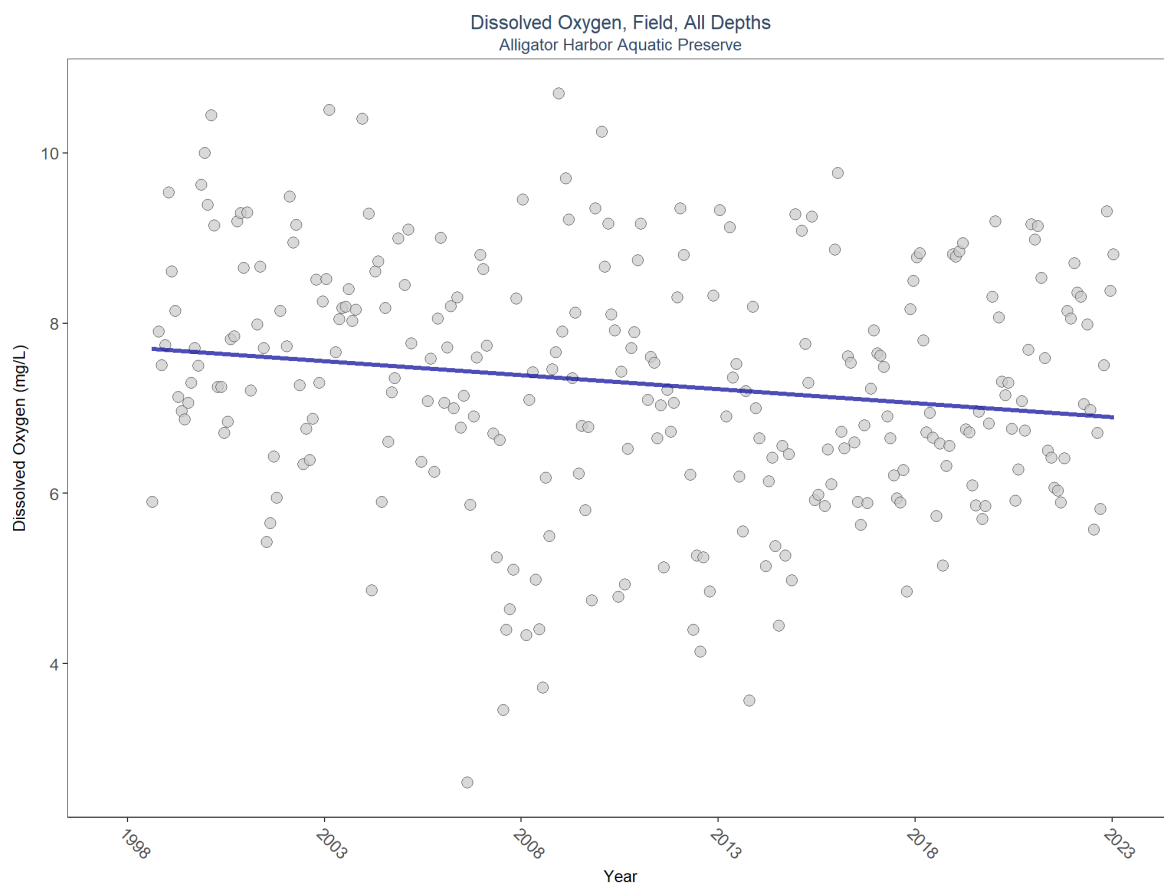


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	319	17	8	TRUE	0.0891	0.5787	0.06349206	6.880495	4.9051	0.4276	0

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

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

# Dissolved Oxygen

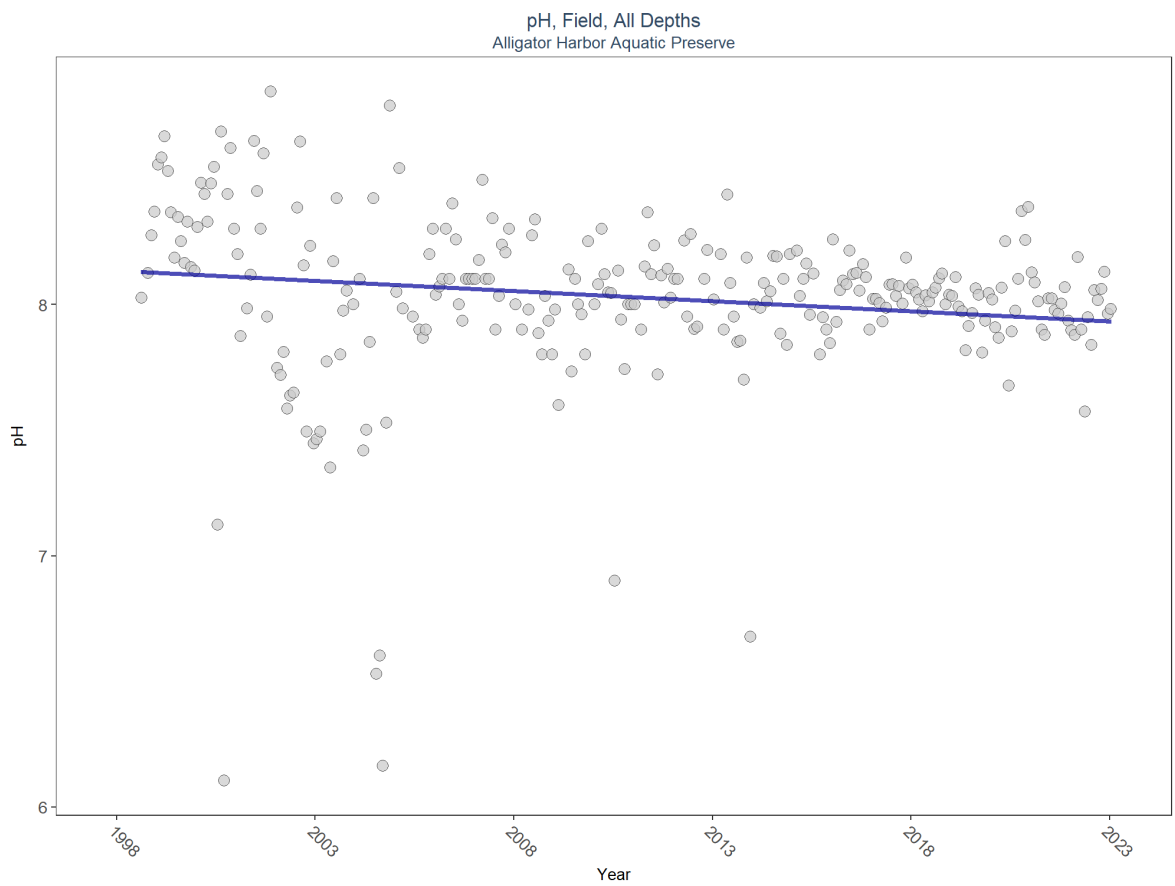


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	7608	26	7.2	TRUE	-0.1595	0.0002	-0.033	7.722952	5.9689	0.8754	-1

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

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

pH

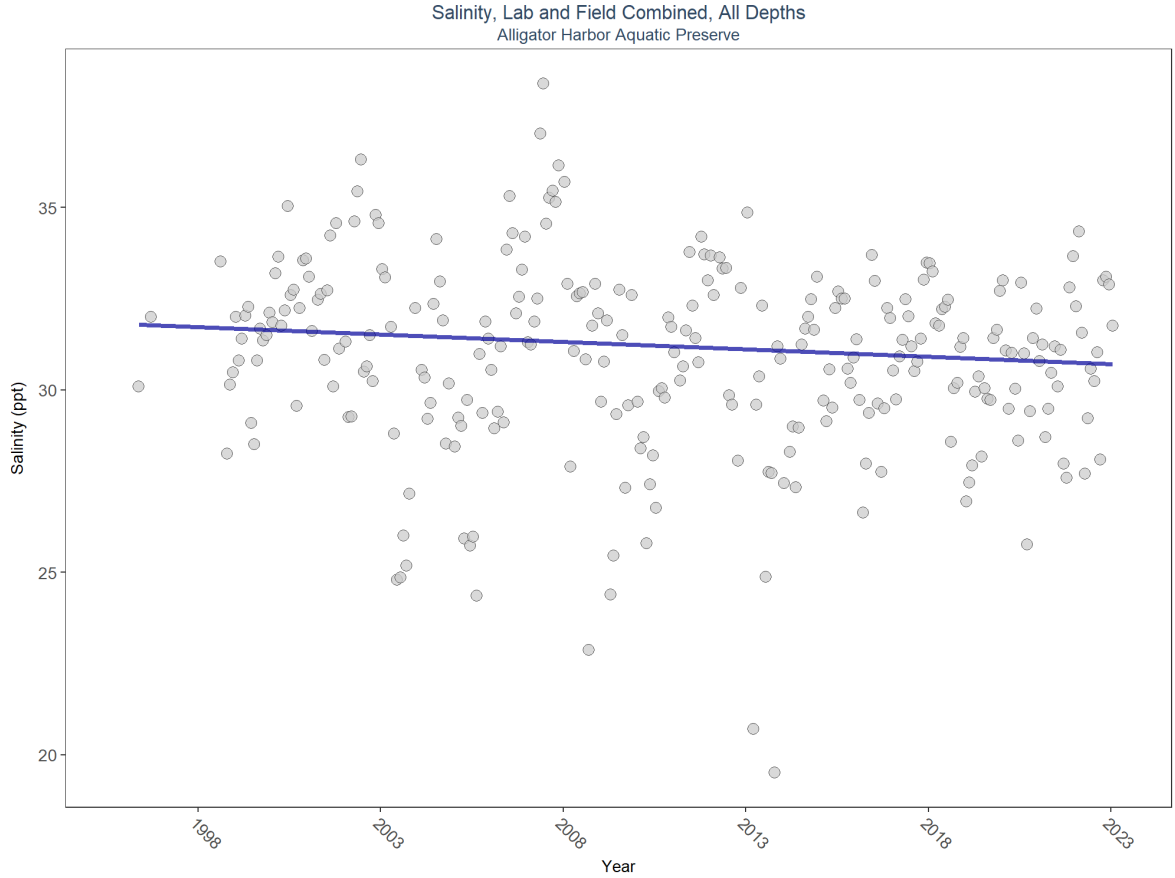


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	4735	26	8.1	TRUE	-0.171	0.0001	-0.008011971	8.133008	10.1245	0.5192	-1

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

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

Salinity

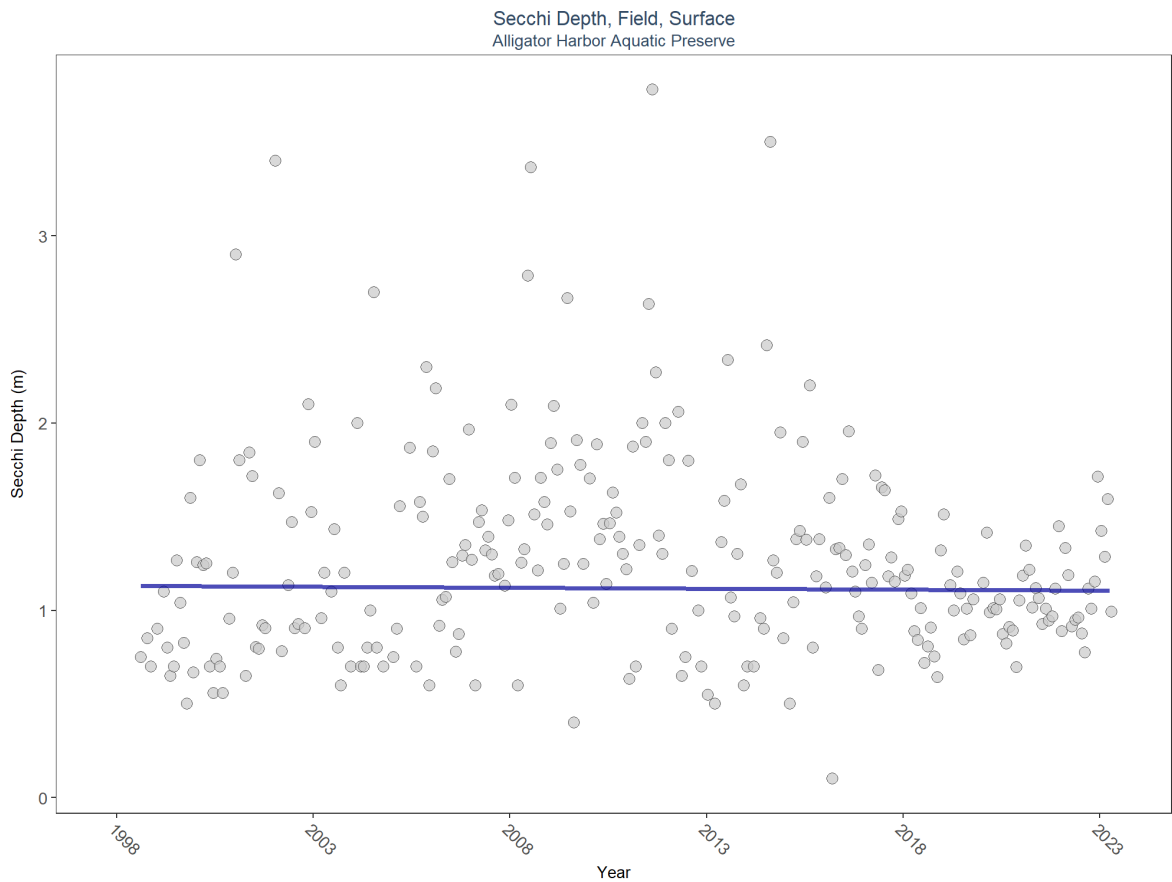


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	8844	27	31.2	TRUE	-0.0949	0.0233	-0.04037453	31.80643	5.5566	0.9013	-1

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

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

Secchi Depth

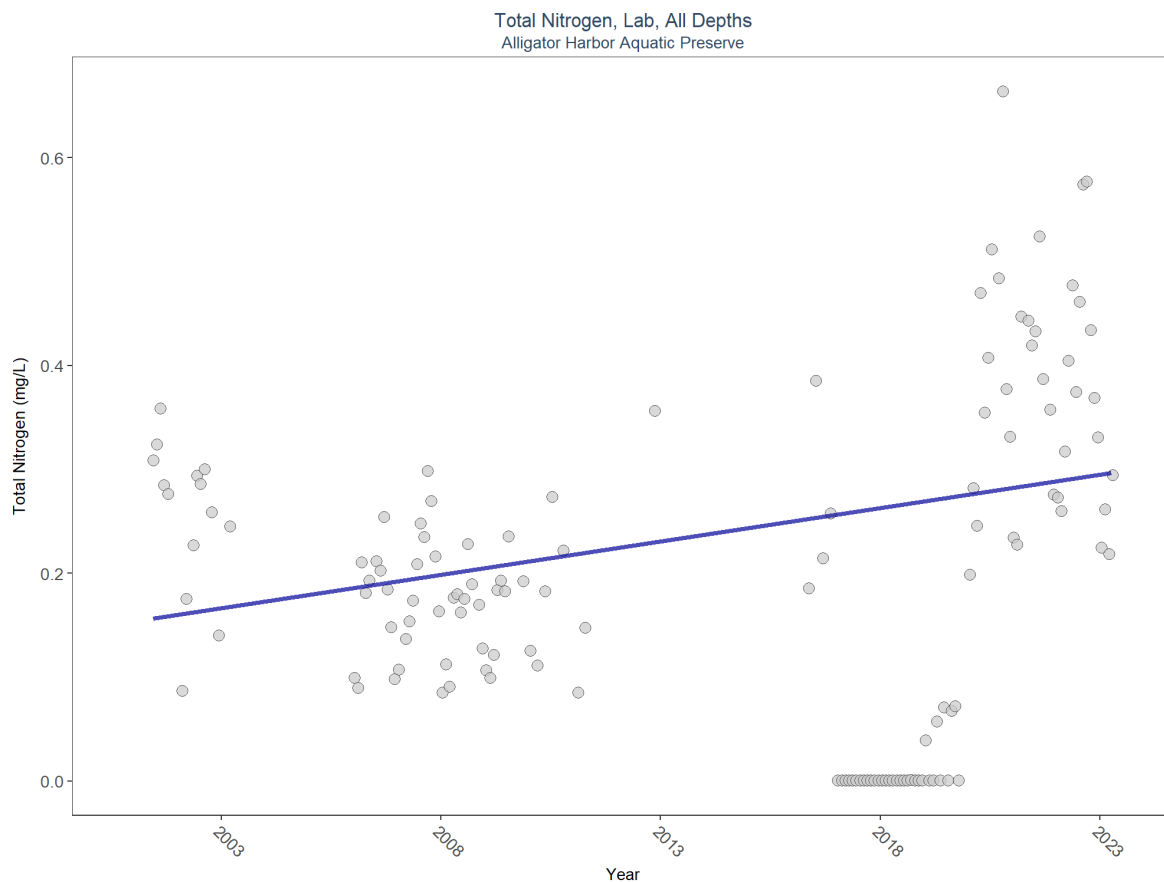


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
Surface	2344	26	1.1	TRUE	-0.0215	0.6515	-0.0009687578	1.131487	10.8534	0.4556	0

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

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

## Total Nitrogen



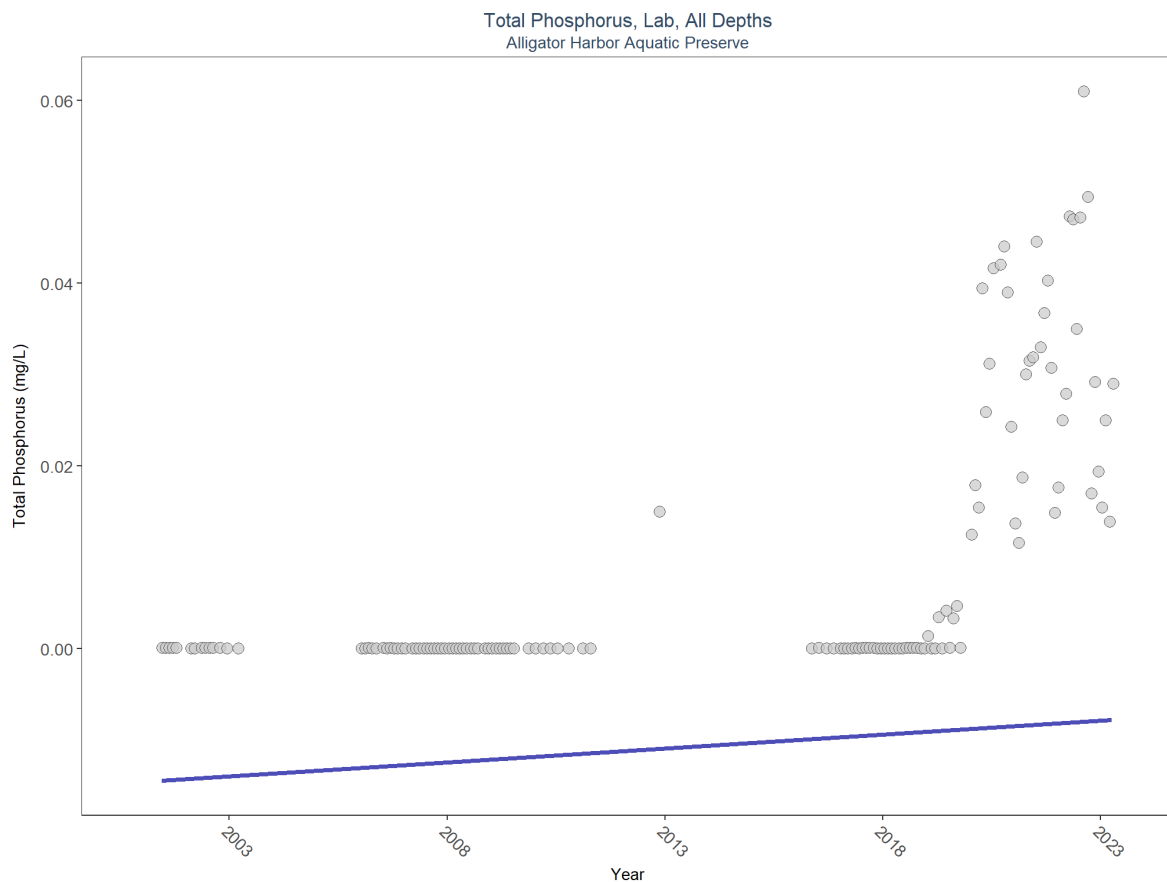
RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	1370	18	0.115	TRUE	0.1228	0.0671	0.006410534	0.1538248	5.3404	0.9136	0

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

SennIntercept is intercept value at beginning of  
record for monitoring location



# Total Phosphorus

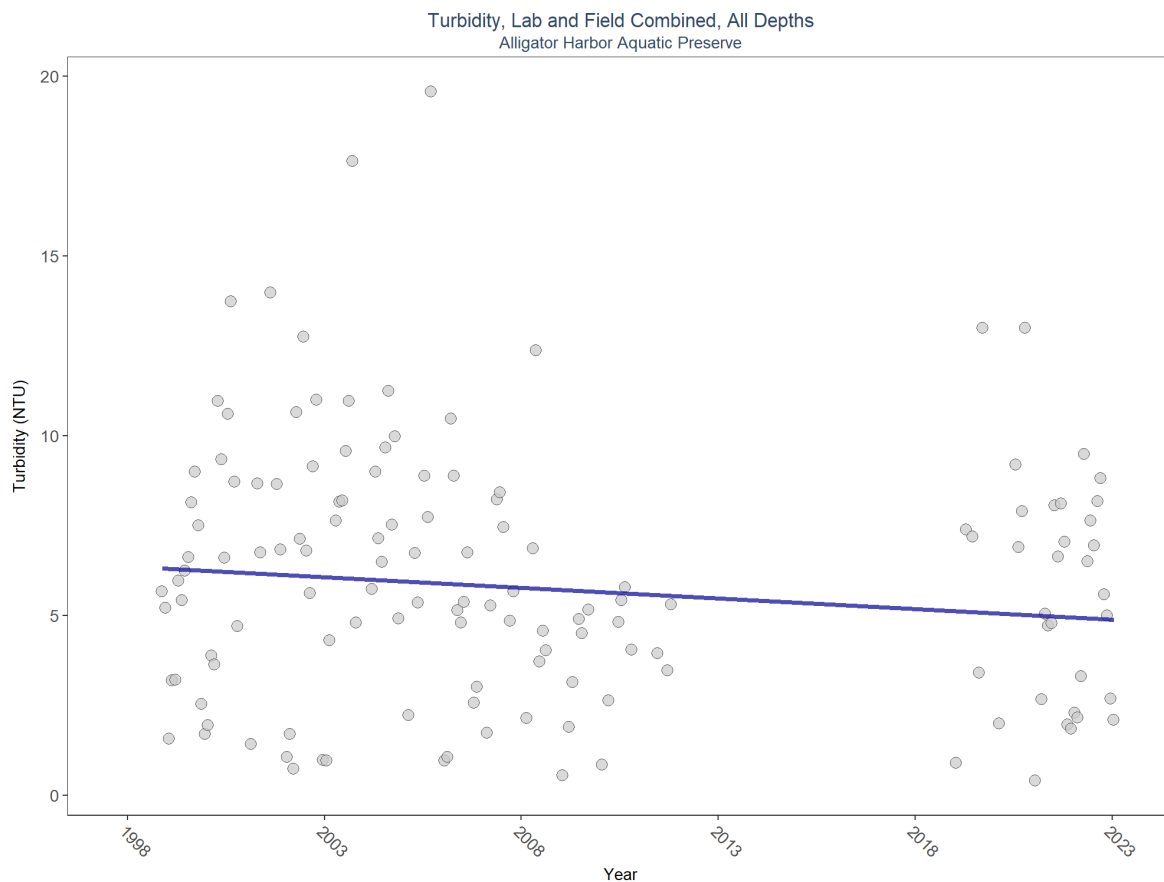


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	990	18	0.00004	TRUE	0.5037	0.0000	0.0003076136	-0.01461452	3.4332	0.9837	2

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

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

# Turbidity

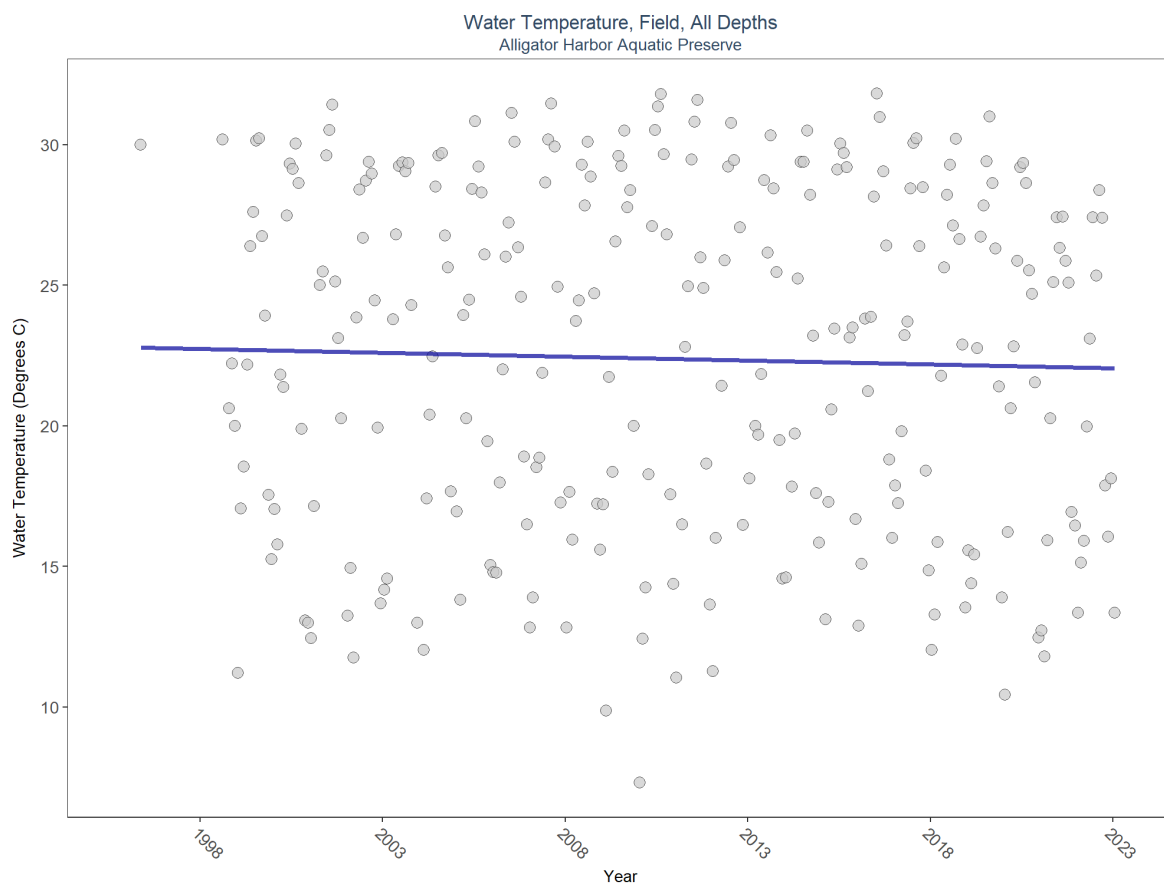


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	3709	19	5.3	TRUE	-0.1567	0.0138	-0.059222	6.363237	2.9374	0.9915	-1

$p < 0.00005$  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	9103	27	25.8	TRUE	-0.0745	0.0825	-0.02756573	22.78214	10.8982	0.4518	0

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

SennIntercept is intercept value at beginning of record for monitoring location