Biscayne Bay Aquatic Preserve
SEACAR Discrete Water Quality Analysis
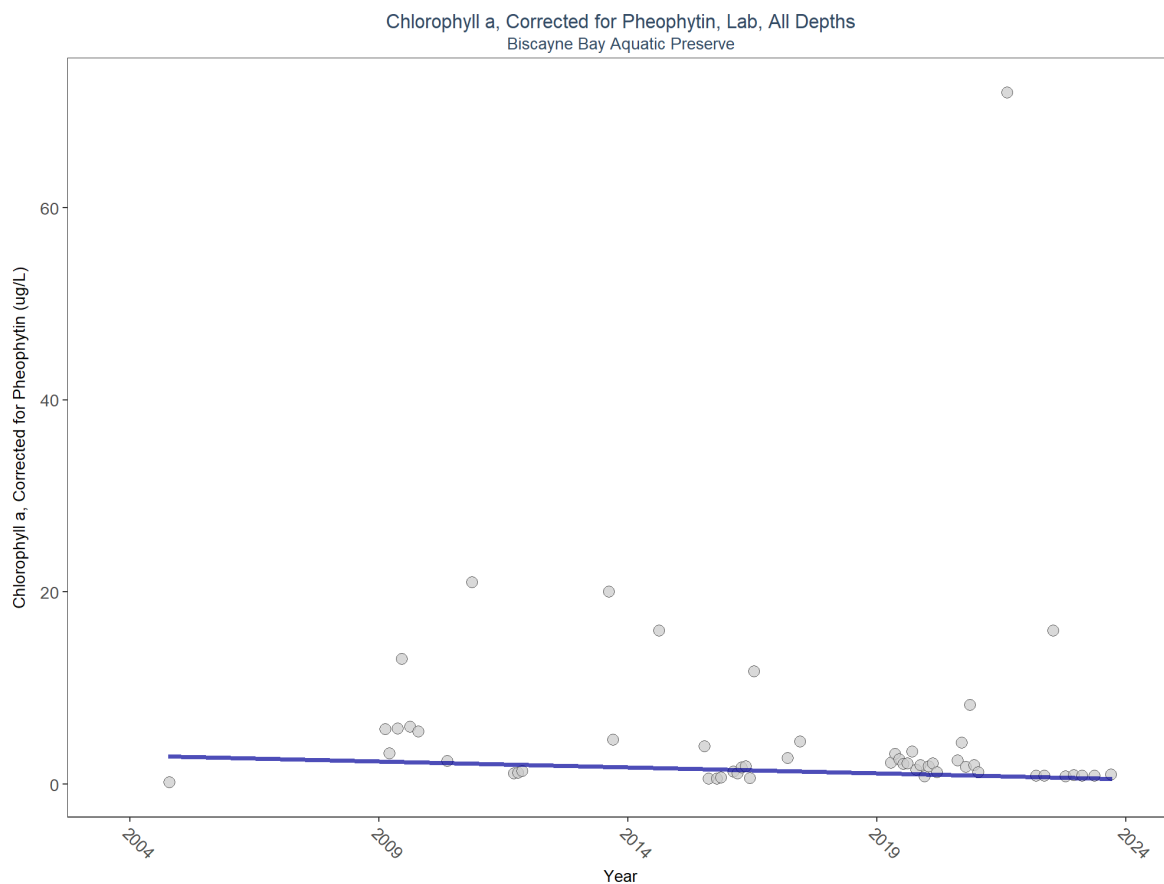
Last compiled on 26 June, 2024

Contents

Parameters

Chlorophyll a, Corrected for Pheophytin

Chlorophyll a, Corrected for Pheophytin, Lab, All Depths
Biscayne Bay Aquatic Preserve

RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	449	14	1.4	TRUE	-0.1617	0.2278	-0.1223397	2.960004	10.4245	0.4927	0

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
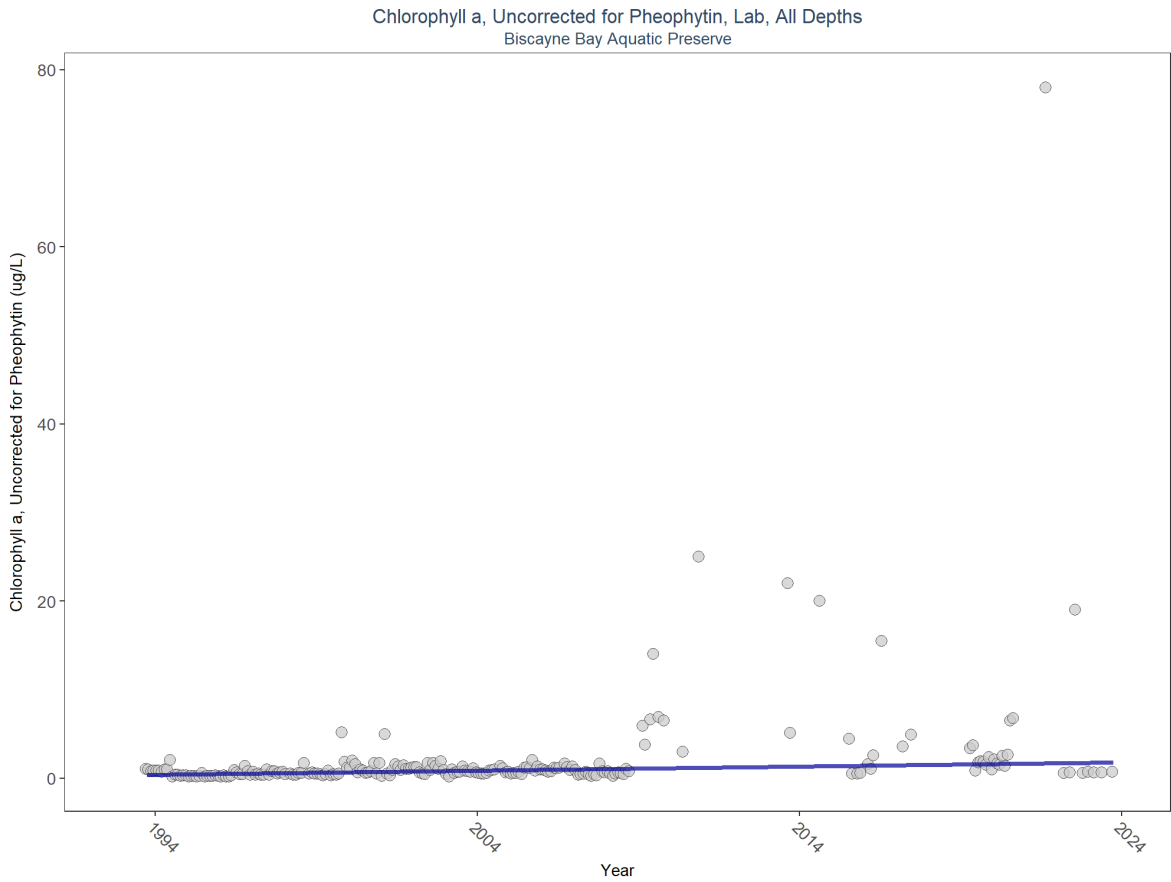
Chlorophyll a, Uncorrected for Pheophytin, Lab, All Depths
Biscayne Bay Aquatic Preserve

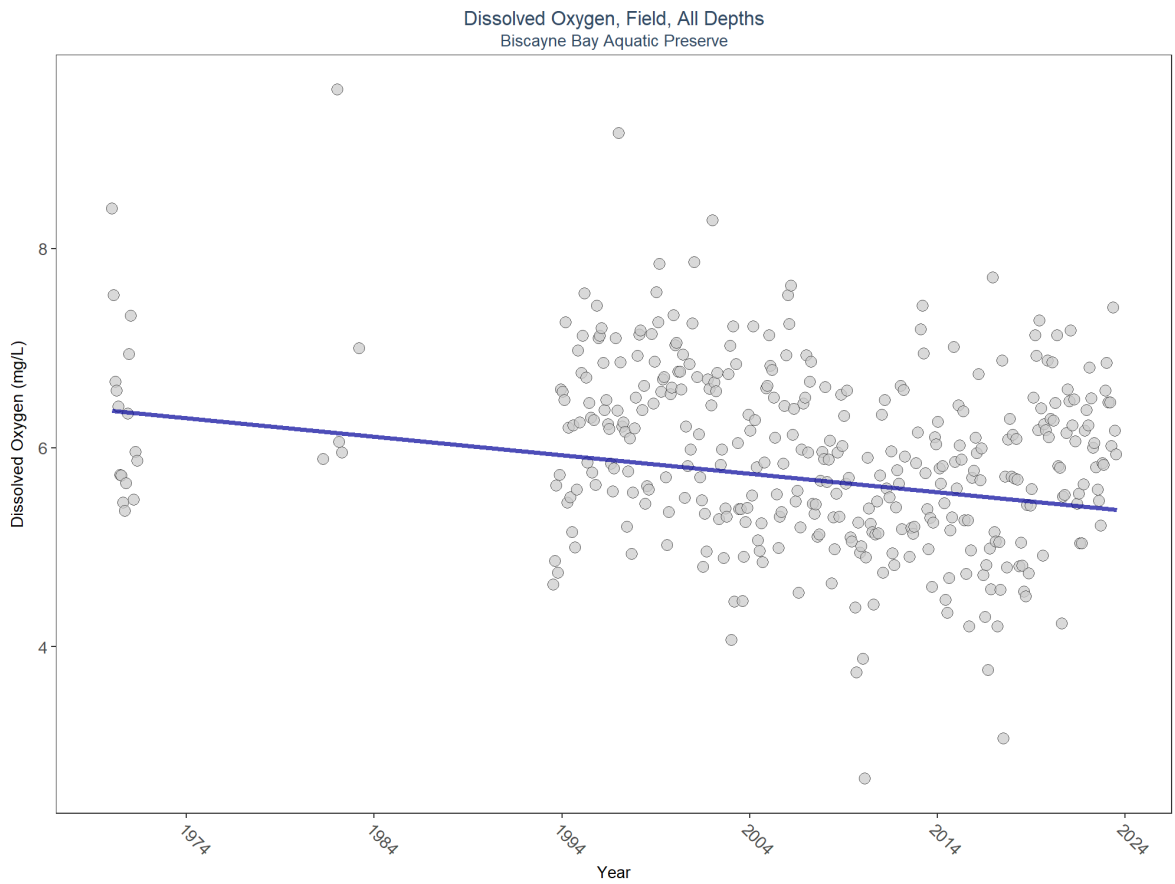| RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	2228	28	0.6594	TRUE	0.3765	0.0000	0.04698206	0.3386111	7.1623	0.7858	1

p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

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Dissolved Oxygen

RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	16950	36	6	TRUE	-0.2251	0.0000	-0.01855192	6.370702	6.911	0.8062	-1

p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

Dissolved Oxygen Saturation
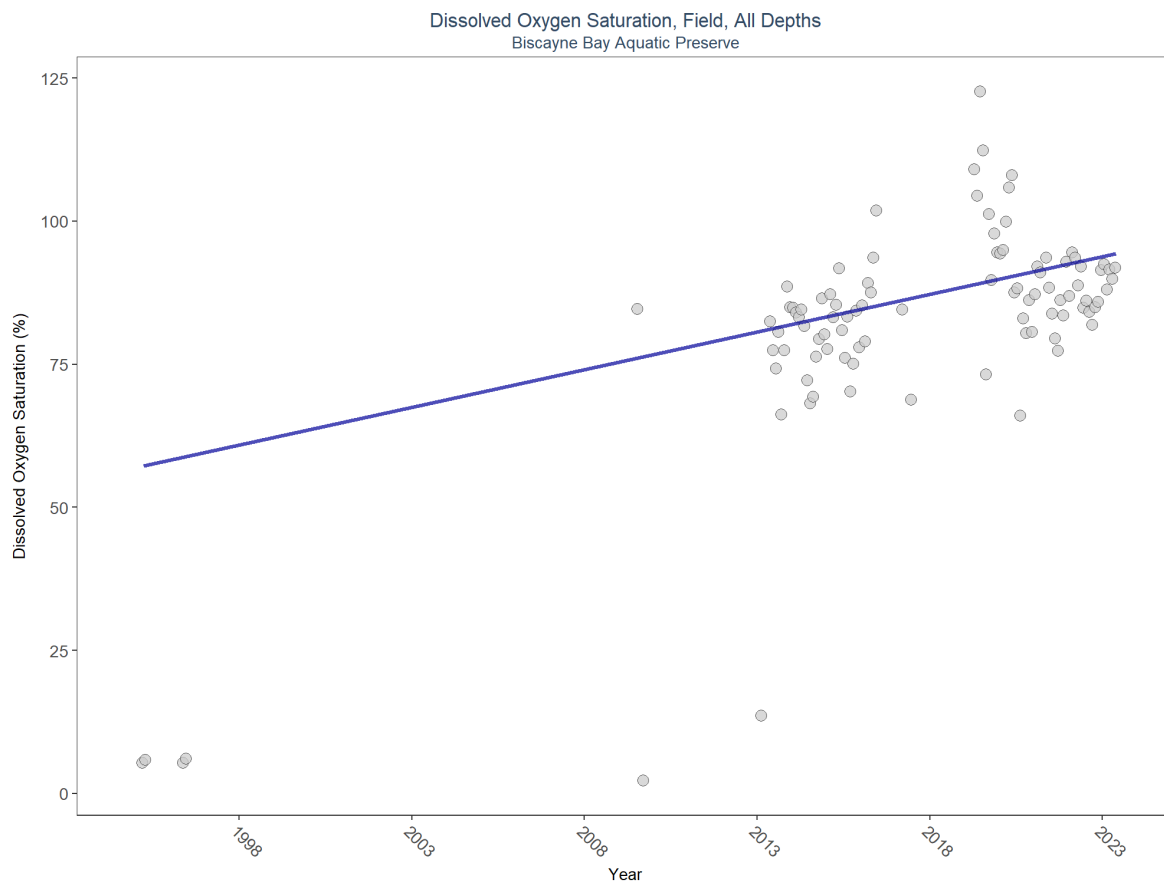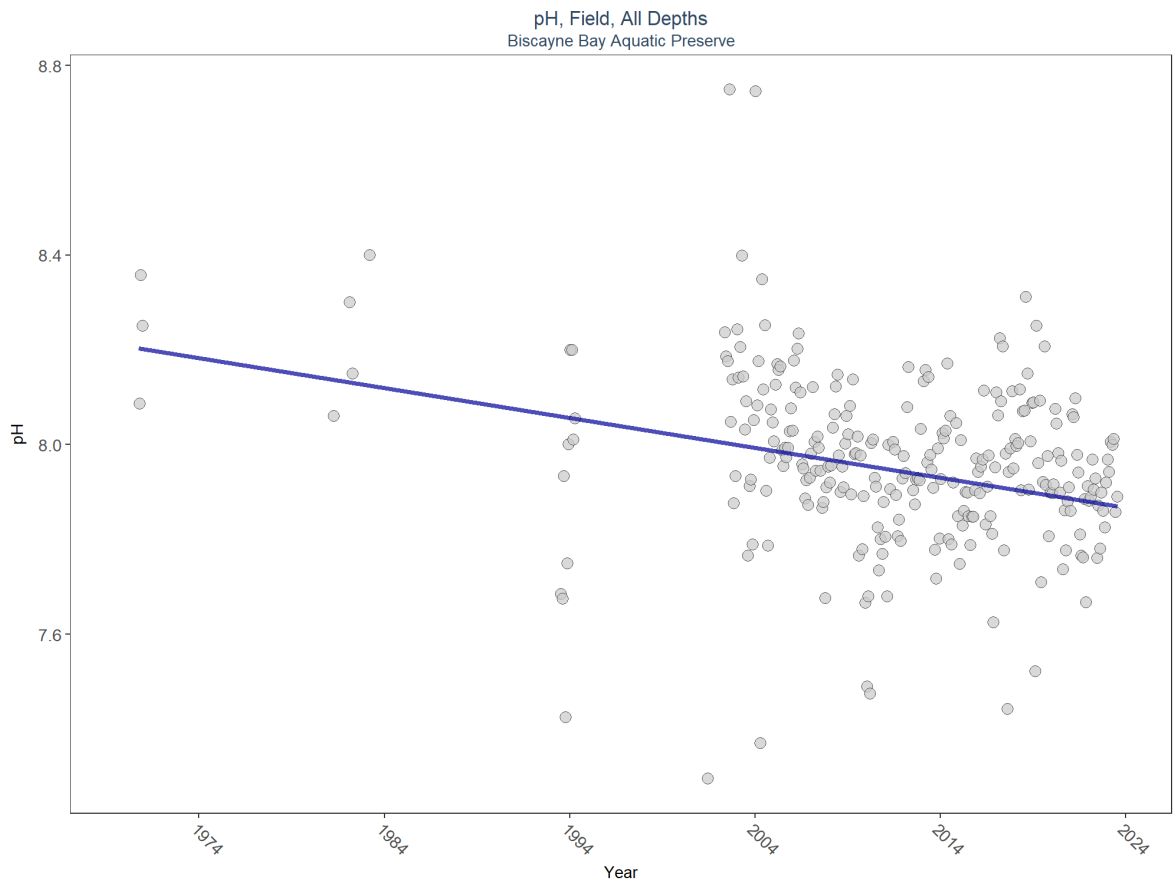
Dissolved Oxygen Saturation, Field, All Depths
Biscayne Bay Aquatic Preserve

RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	5771	13	90.1	TRUE	0.3877	0.0000	1.314628	56.9734	11.7184	0.3852	1

p < 0.00005 appear as 0 due to rounding.

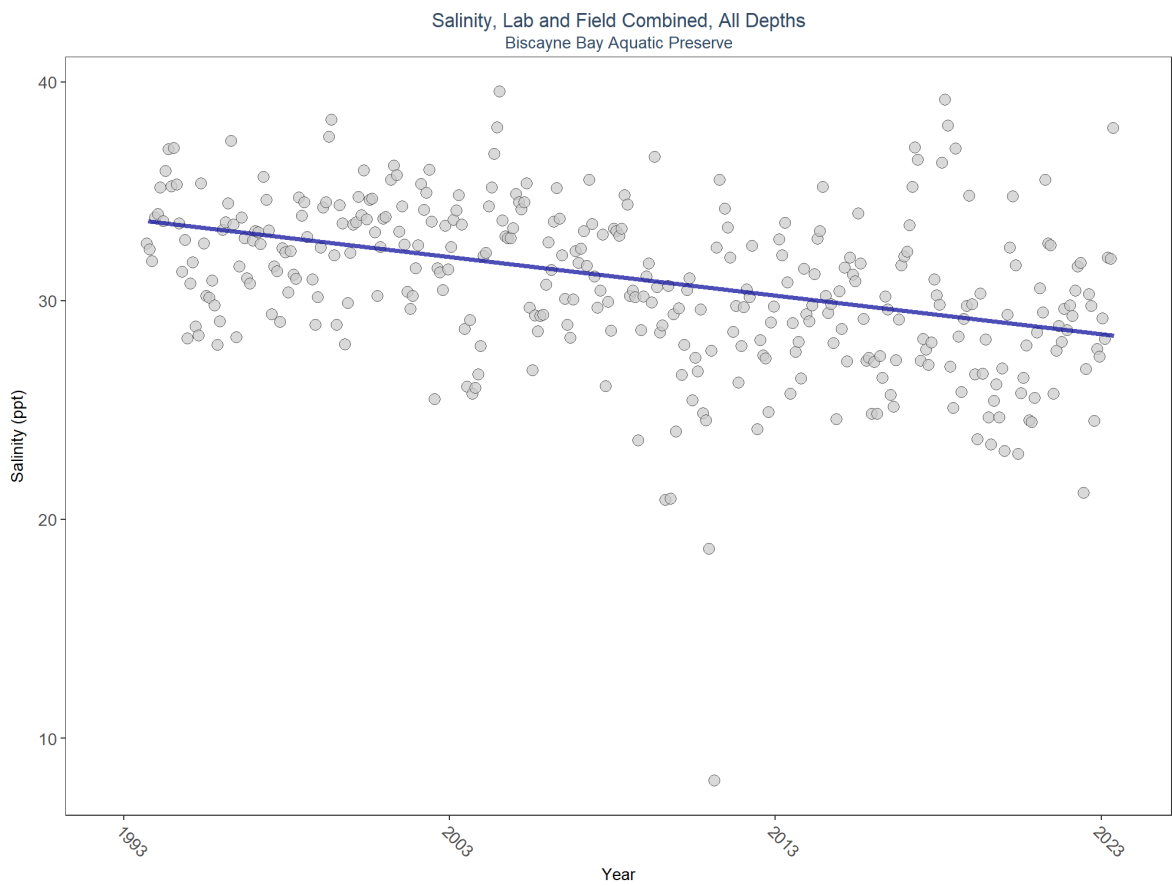*SennIntercept is intercept value at beginning of
record for monitoring location*

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pH

pH, Field, All Depths
Biscayne Bay Aquatic Preserve

RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	13516	29	7.98	TRUE	-0.265	0.0000	-0.006324581	8.208203	8.2587	0.69	-1

p < 0.00005 appear as 0 due to rounding.

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

Salinity

Salinity, Lab and Field Combined, All Depths
Biscayne Bay Aquatic Preserve

RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	19366	31	32.2	TRUE	-0.374	0.0000	-0.1762887	33.75433	6.189	0.8605	-1

p < 0.00005 appear as 0 due to rounding.

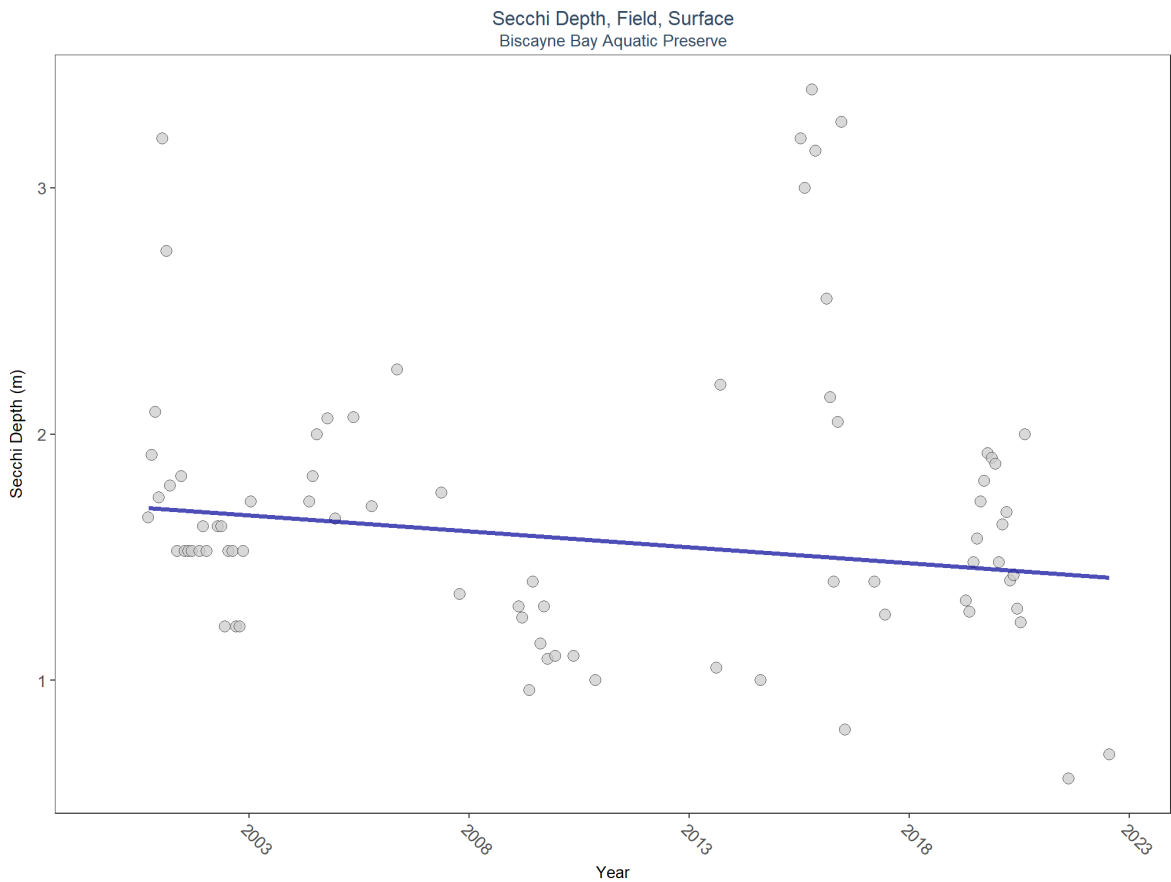*SennIntercept is intercept value at beginning of record for monitoring location*
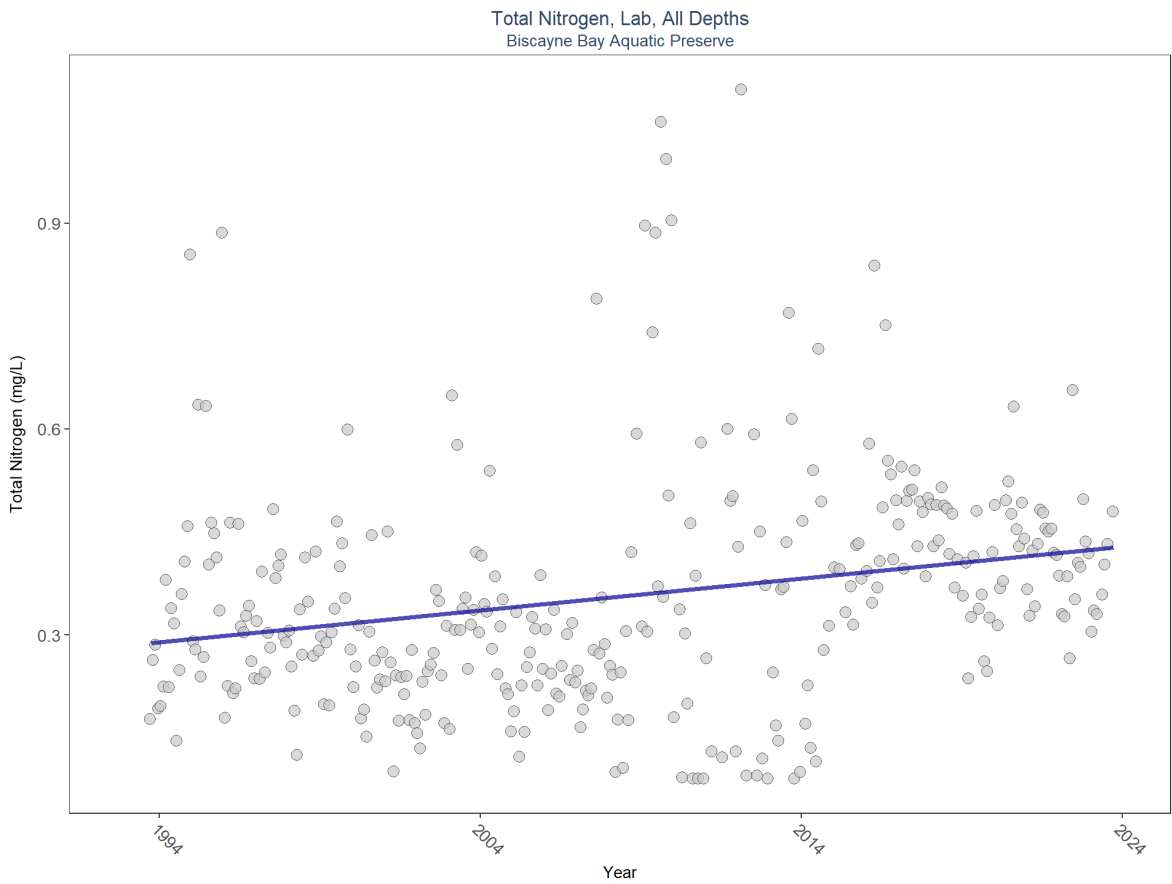
Secchi Depth

Secchi Depth, Field, Surface
Biscayne Bay Aquatic Preserve

RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
Surface	667	19	1.524019	TRUE	-0.1204	0.3144	-0.01288222	1.70837	3.1308	0.9889	0

p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

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Total Nitrogen

Total Nitrogen, Lab, All Depths
Biscayne Bay Aquatic Preserve

RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	6505	31	0.3339	TRUE	0.2058	0.0000	0.004629293	0.2845066	9.1289	0.61	1

p < 0.00005 appear as 0 due to rounding.

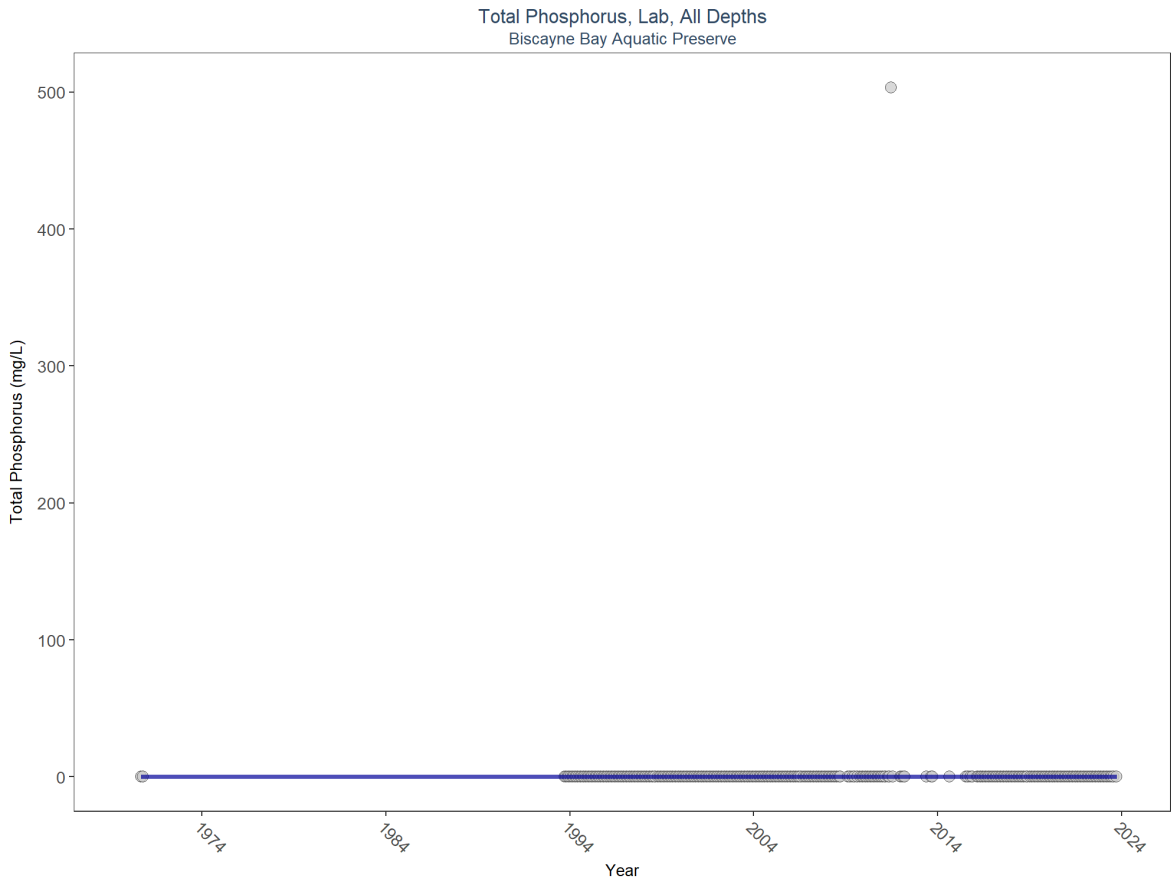*SennIntercept is intercept value at beginning of record for monitoring location*

Total Phosphorus

Total Phosphorus, Lab, All Depths
Biscayne Bay Aquatic Preserve

RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	6436	32	0.01	TRUE	0.3976	0.0000	0.0003827053	-0.005047439	1.3961	0.9997	1

p < 0.00005 appear as 0 due to rounding.

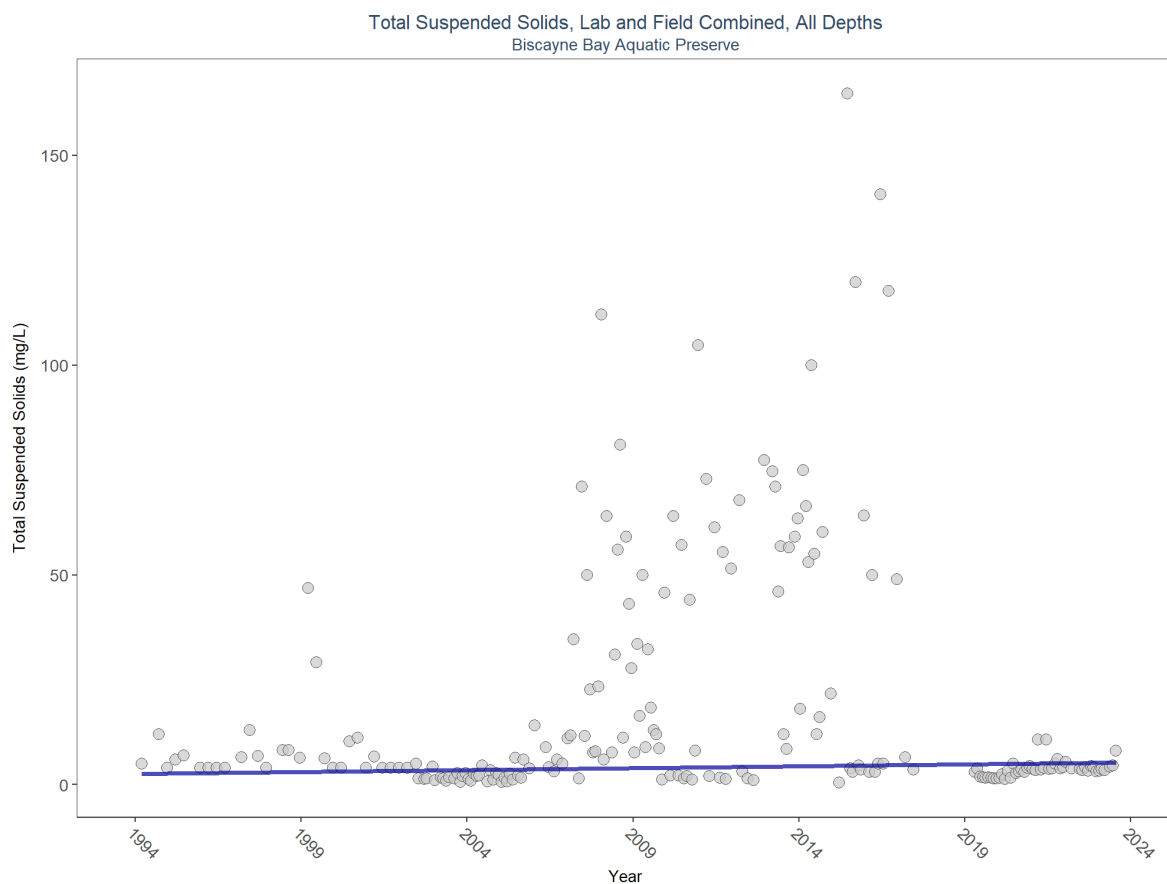*SennIntercept is intercept value at beginning of record for monitoring location*

Total Suspended Solids

Total Suspended Solids, Lab and Field Combined, All Depths
Biscayne Bay Aquatic Preserve

RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	2764	29	3	TRUE	0.1481	0.0107	0.09190686	2.525368	3.527	0.9818	1

p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location
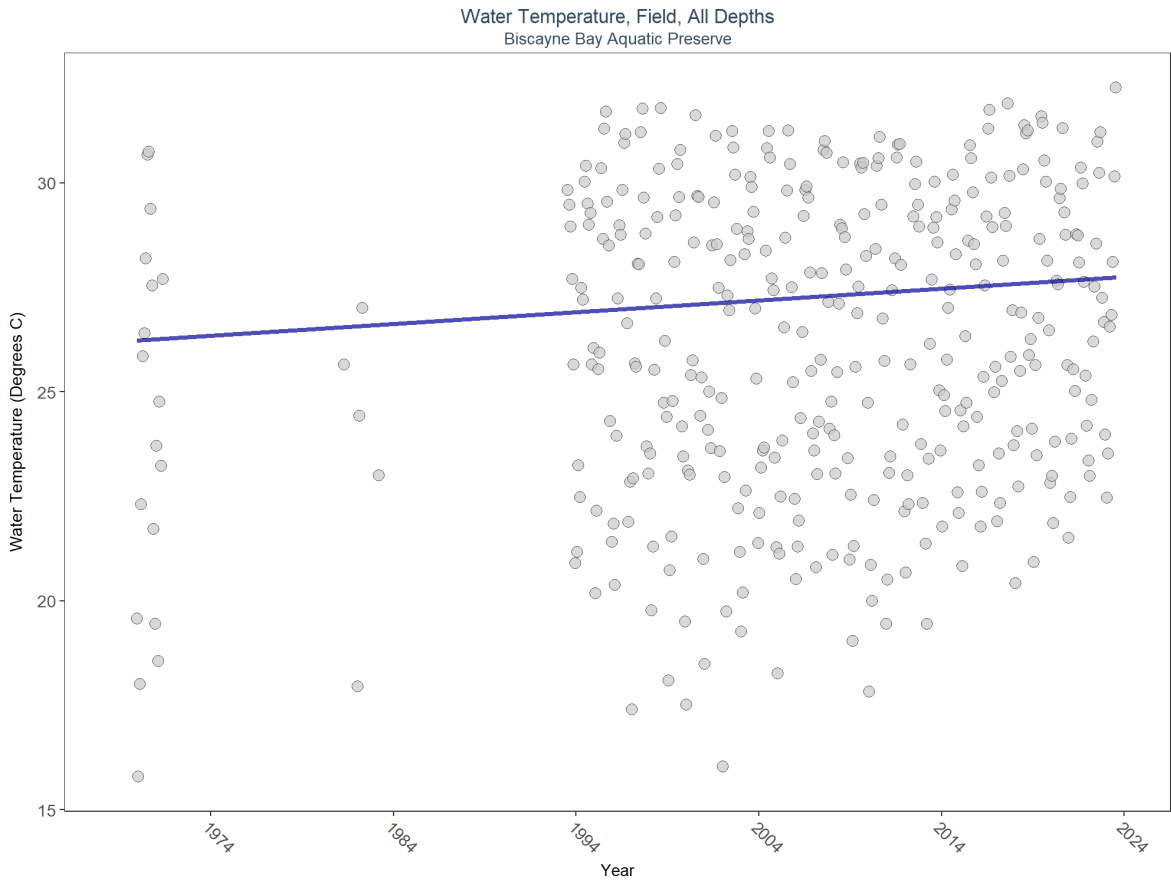
Turbidity
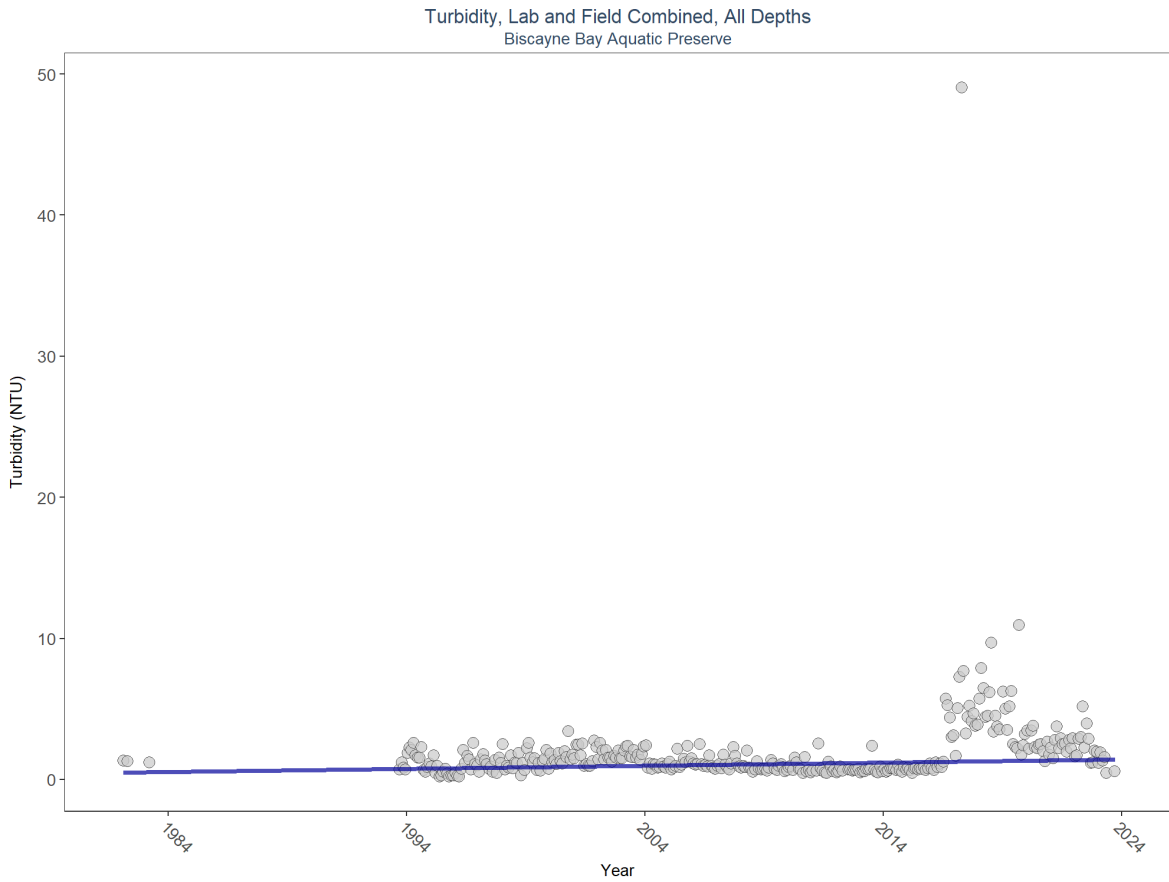
Turbidity, Lab and Field Combined, All Depths
Biscayne Bay Aquatic Preserve

RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	15116	33	1.0025	TRUE	0.1354	0.0003	0.02191738	0.4855946	4.6981	0.9449	1

p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

Water Temperature

Water Temperature, Field, All Depths
Biscayne Bay Aquatic Preserve

RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	20489	37	26.99	TRUE	0.1597	0.0000	0.02826954	26.20279	8.5241	0.6657	1

p < 0.00005 appear as 0 due to rounding.

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