

Nassau River-St. Johns River Marshes Aquatic Preserve
SEACAR Discrete Water Quality Analysis

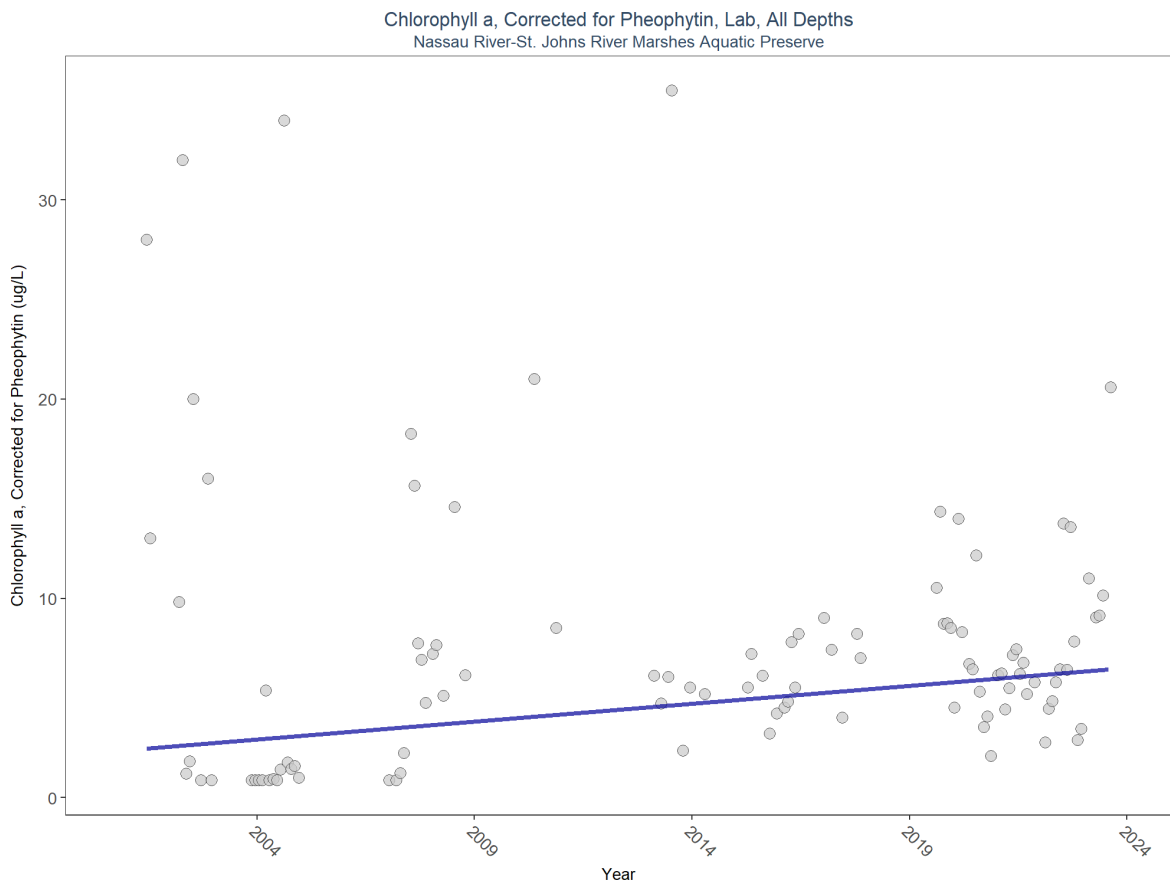
Last compiled on 26 June, 2024

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Parameters

Chlorophyll a, Corrected for Pheophytin

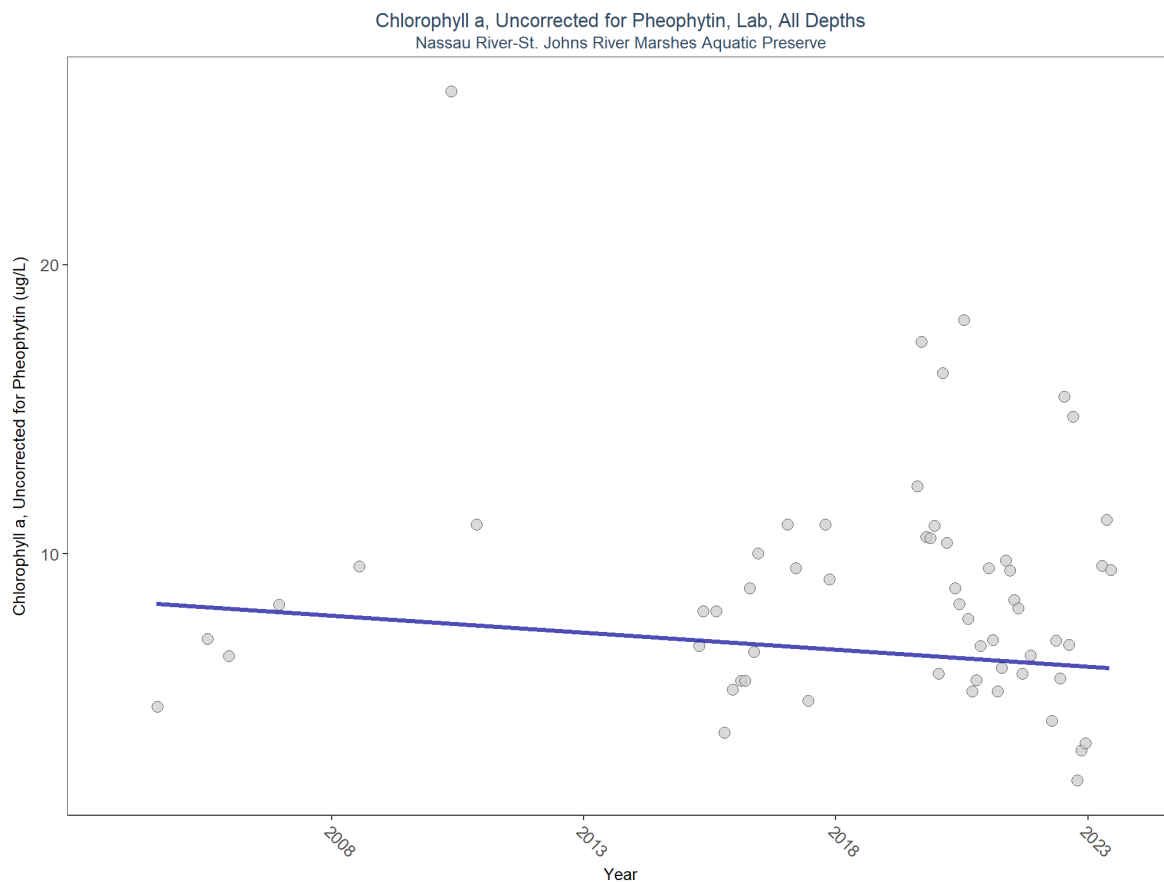


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	554	17	5.7	TRUE	0.2135	0.0090	0.1791209	2.381894	10.4719	0.4885	1

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

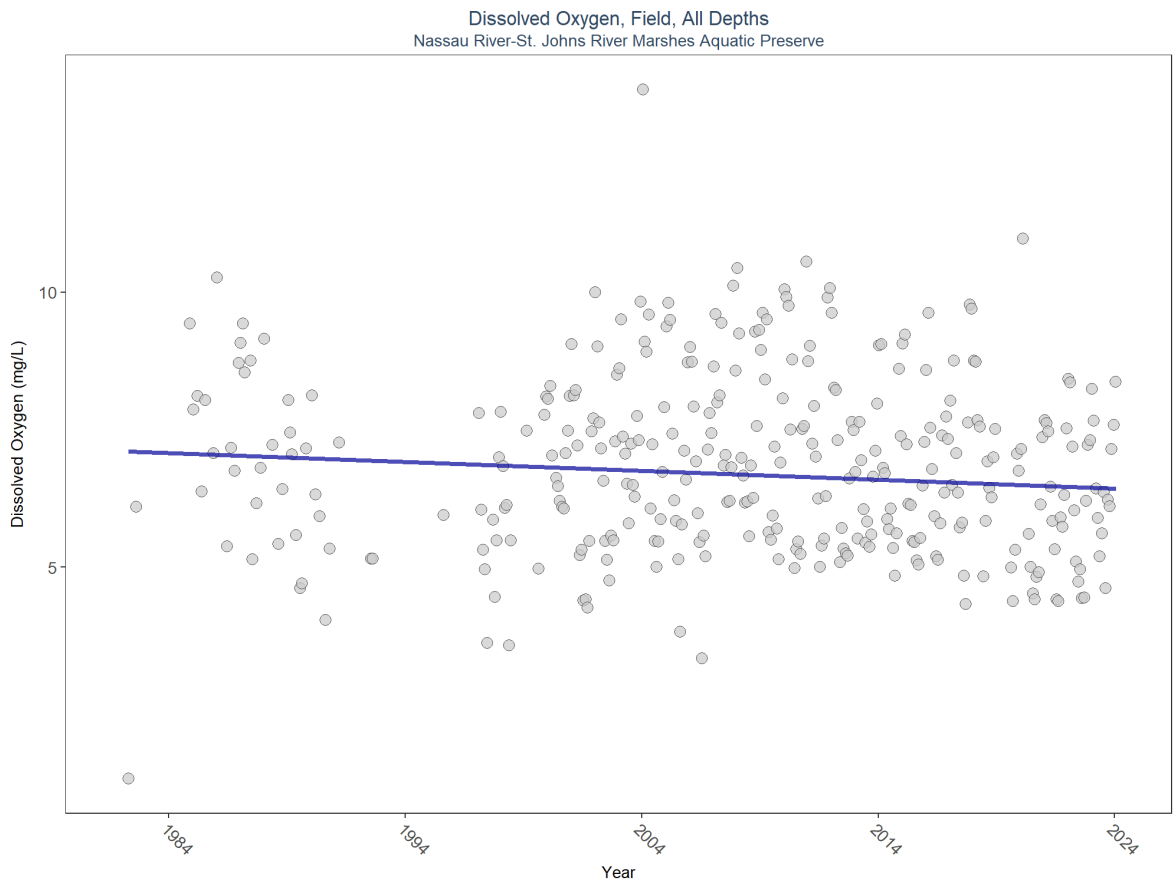


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	382	13	7.8	TRUE	-0.0994	0.4590	-0.1170311	8.323569	10.9038	0.4514	0

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

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

Dissolved Oxygen

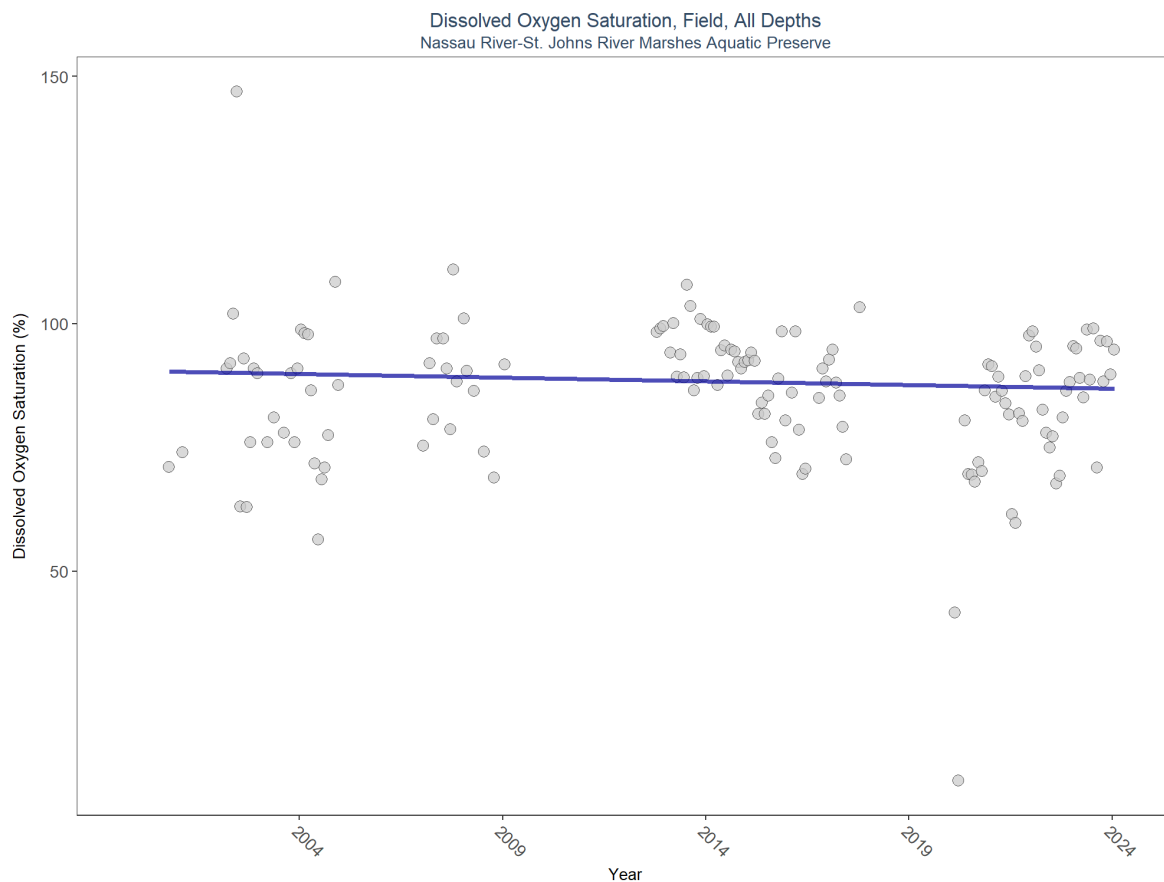


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	35029	39	6.29	TRUE	-0.1146	0.0030	-0.01630556	7.114474	6.4672	0.8404	-1

p < 0.00005 appear as 0 due to rounding.

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

Dissolved Oxygen Saturation

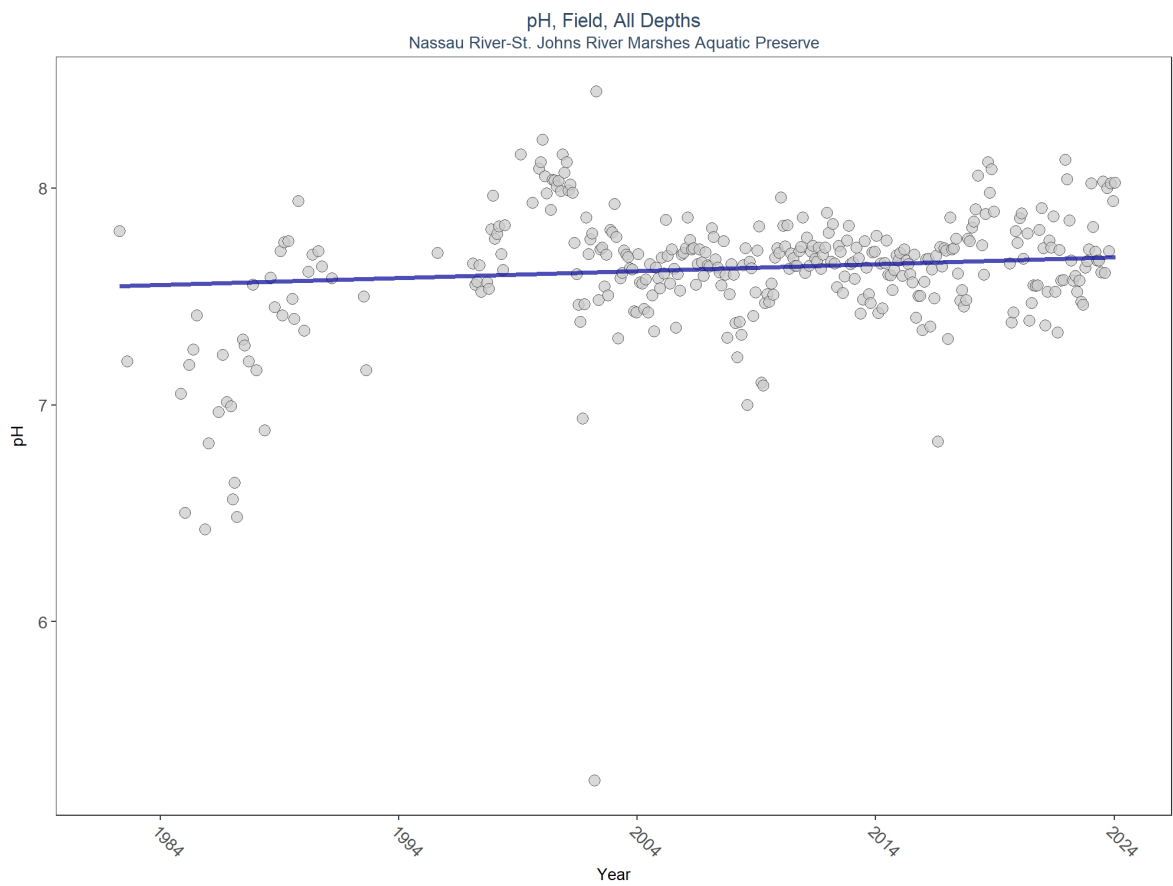


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	1081	19	88.8	TRUE	-0.1098	0.0796	-0.1487629	90.4207	7.2483	0.7786	0

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

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

pH

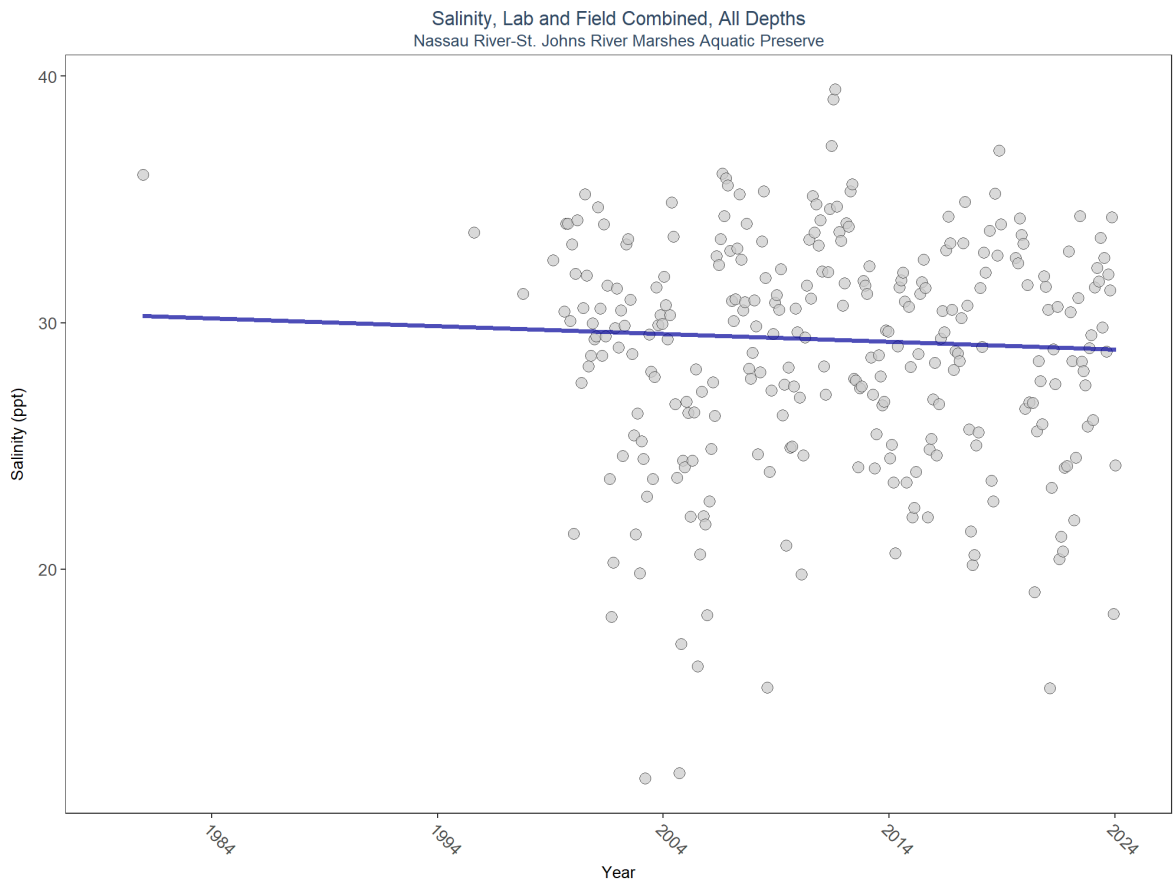


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	25407	39	7.67	TRUE	0.1045	0.0054	0.003212281	7.547205	6.1765	0.8613	1

p < 0.00005 appear as 0 due to rounding.

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

Salinity

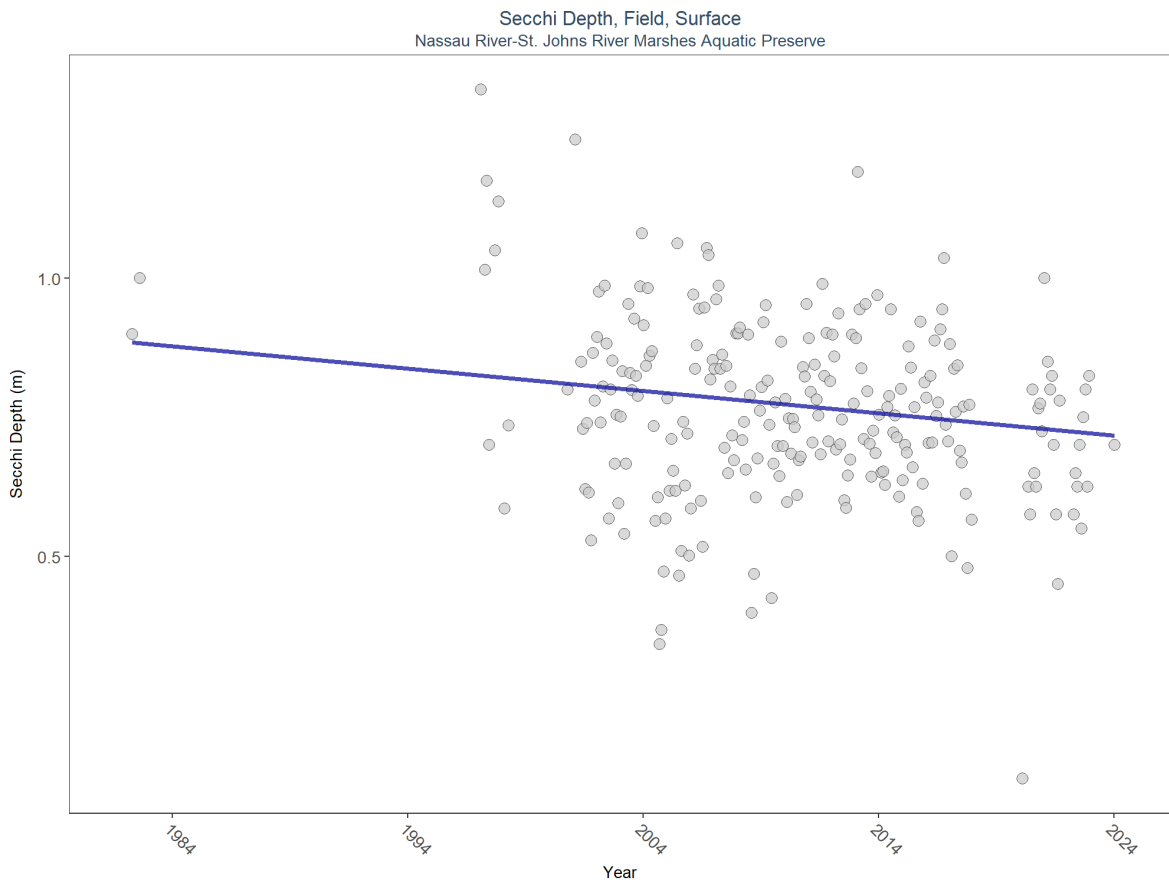


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	16861	29	30.7	TRUE	-0.0287	0.4856	-0.03164706	30.31639	4.4307	0.9556	0

p < 0.00005 appear as 0 due to rounding.

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

Secchi Depth

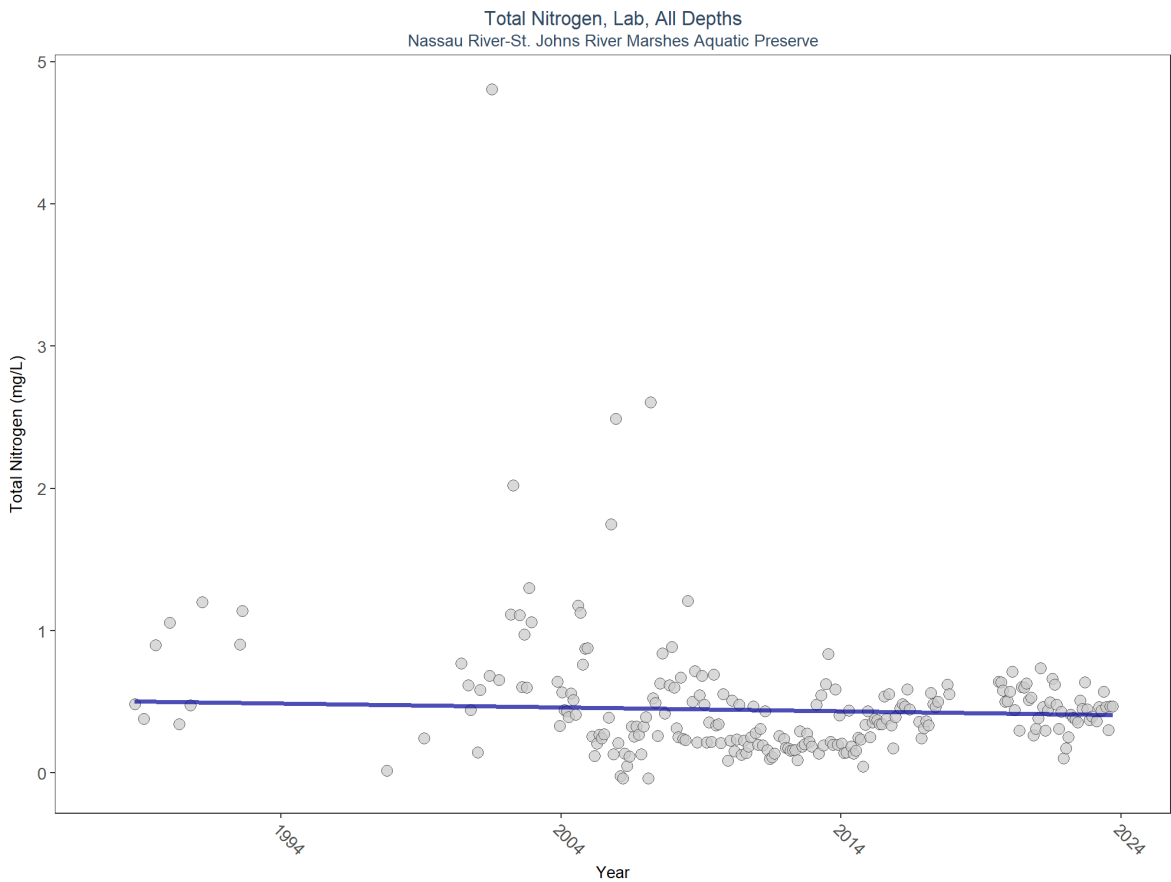


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
Surface	14622	25	0.7	TRUE	-0.1271	0.0052	-0.004034314	0.8865381	16.1941	0.1341	-1

p < 0.00005 appear as 0 due to rounding.

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

Total Nitrogen

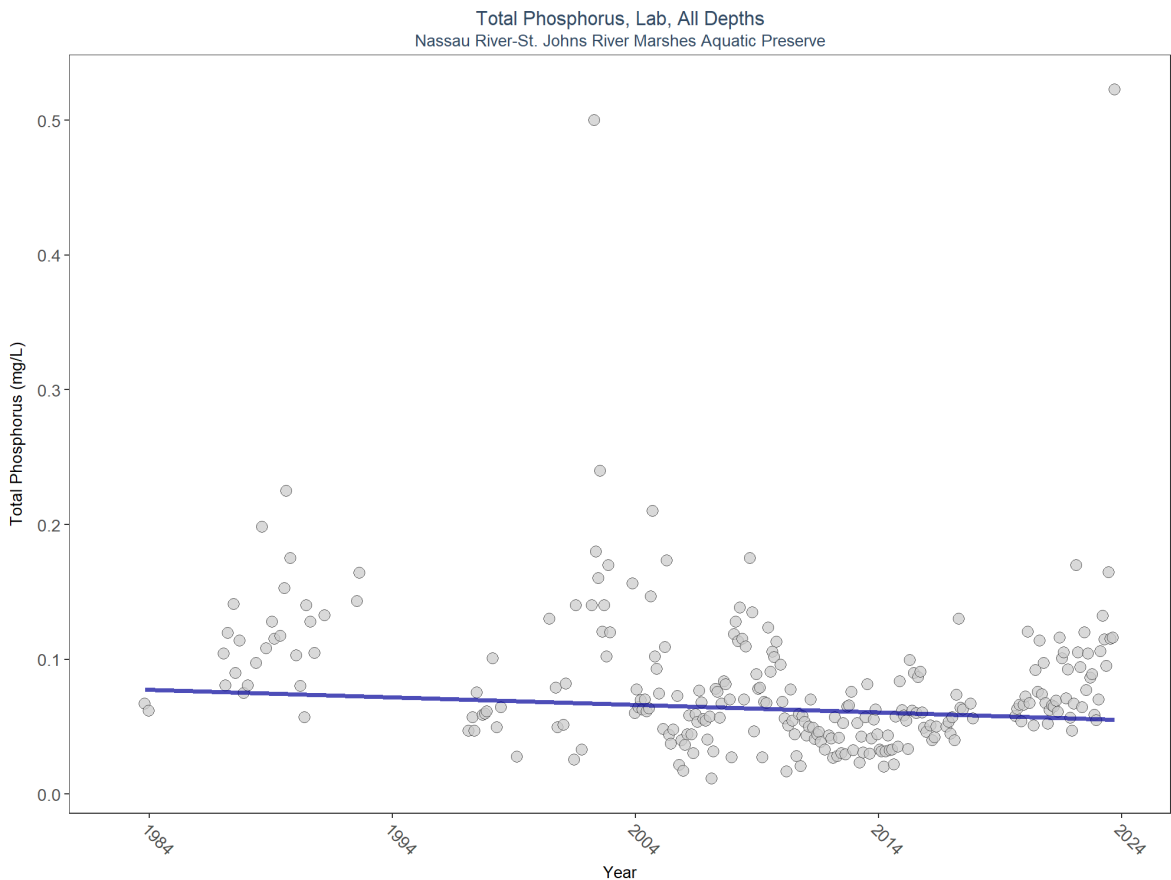


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	901	30	0.4234	TRUE	-0.0509	0.3170	-0.002768626	0.5054924	7.483	0.7587	0

p < 0.00005 appear as 0 due to rounding.

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

Total Phosphorus

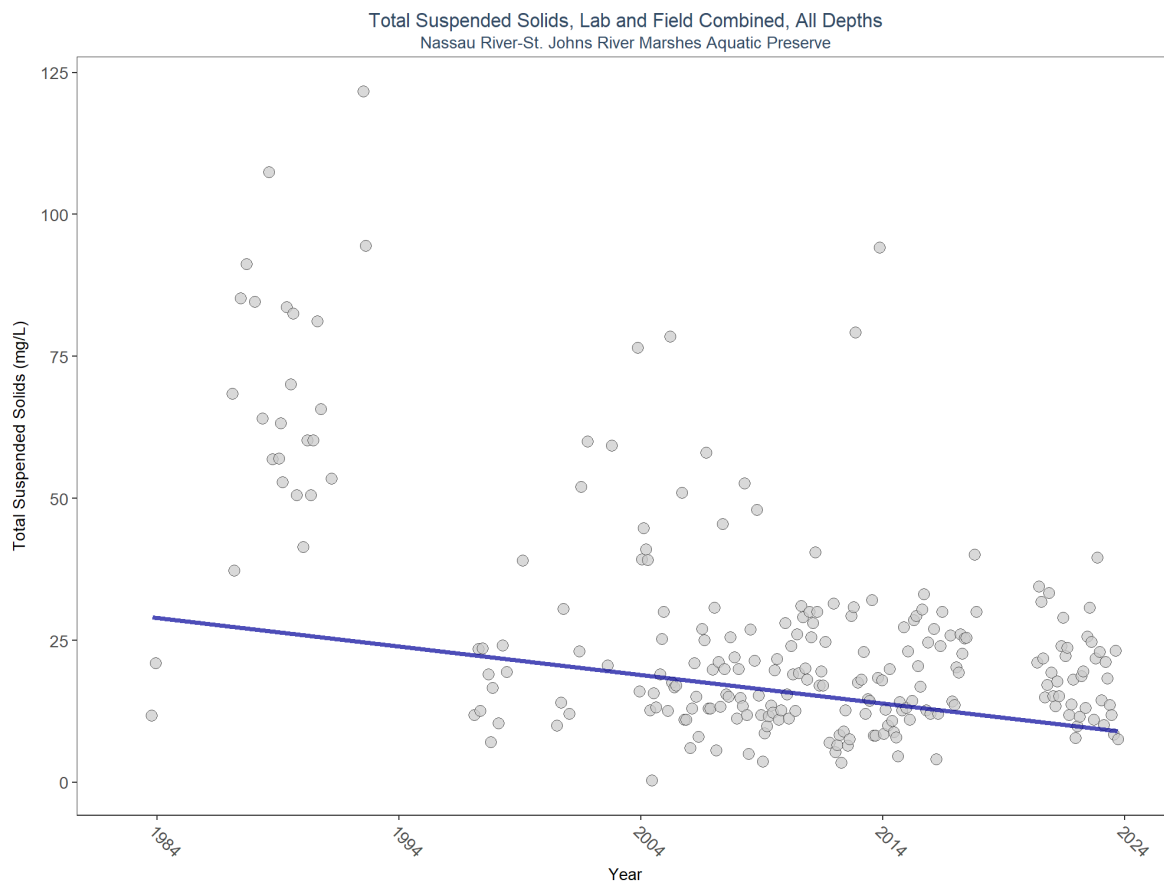


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	1621	33	0.07	TRUE	-0.1192	0.0112	-0.0005592677	0.07785479	4.8767	0.937	-1

p < 0.00005 appear as 0 due to rounding.

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

Total Suspended Solids

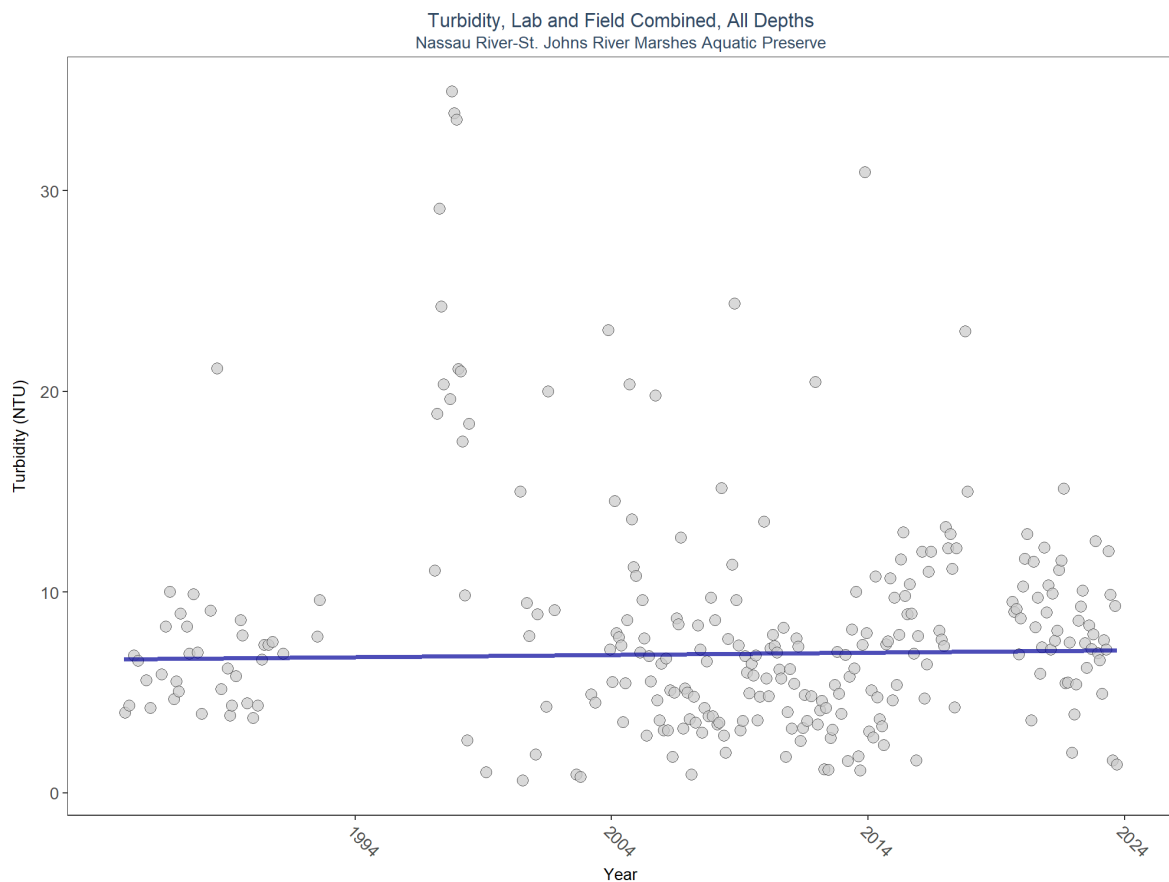


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	1037	32	19.3	TRUE	-0.1836	0.0001	-0.5	29.40856	12.4143	0.3333	-1

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

SennIntercept is intercept value at beginning of record for monitoring location

Turbidity

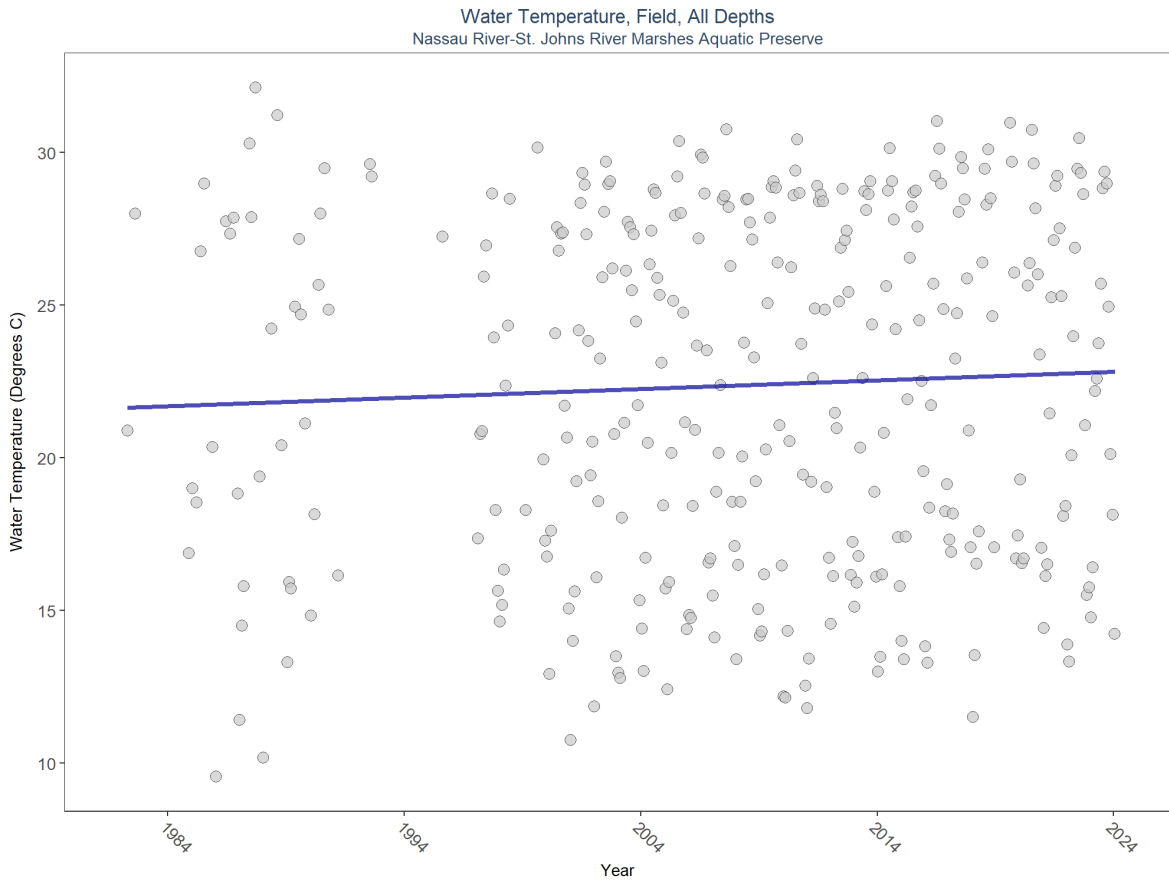


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	16106	34	15.8	TRUE	0.0097	0.6372	0.01100355	6.667175	10.9547	0.4471	0

$p < 0.00005$ 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	36605	39	21.5	TRUE	0.1189	0.0021	0.02781049	21.64863	7.2319	0.78	1

p < 0.00005 appear as 0 due to rounding.

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