Tomoka Marsh Aquatic Preserve

SEACAR Discrete Water Quality Analysis
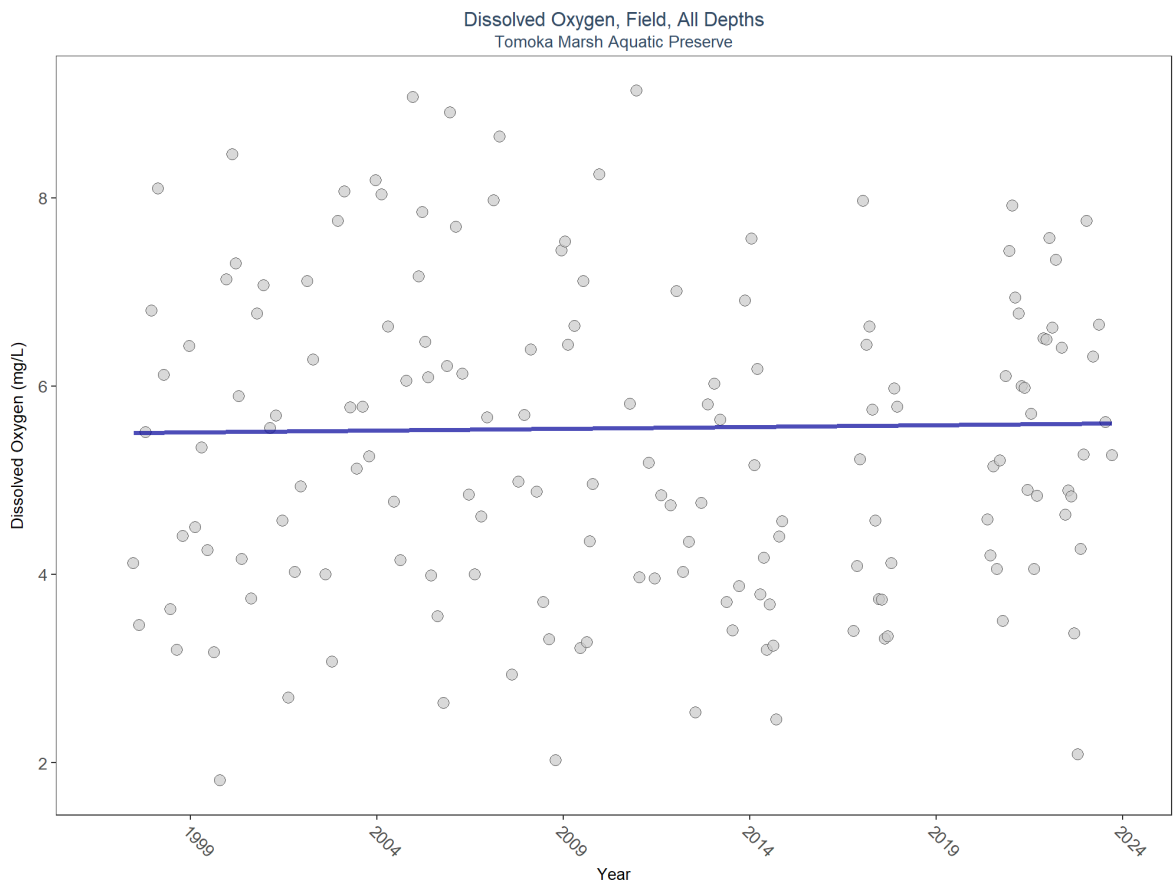
Last compiled on 26 June, 2024

Contents

Parameters

Dissolved Oxygen

Dissolved Oxygen, Field, All Depths
Tomoka Marsh Aquatic Preserve

RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	624	24	5.4	TRUE	0.0733	0.6246	0.003857143	5.502568	15.3057	0.1689	0

p < 0.00005 appear as 0 due to rounding.

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

Dissolved Oxygen Saturation
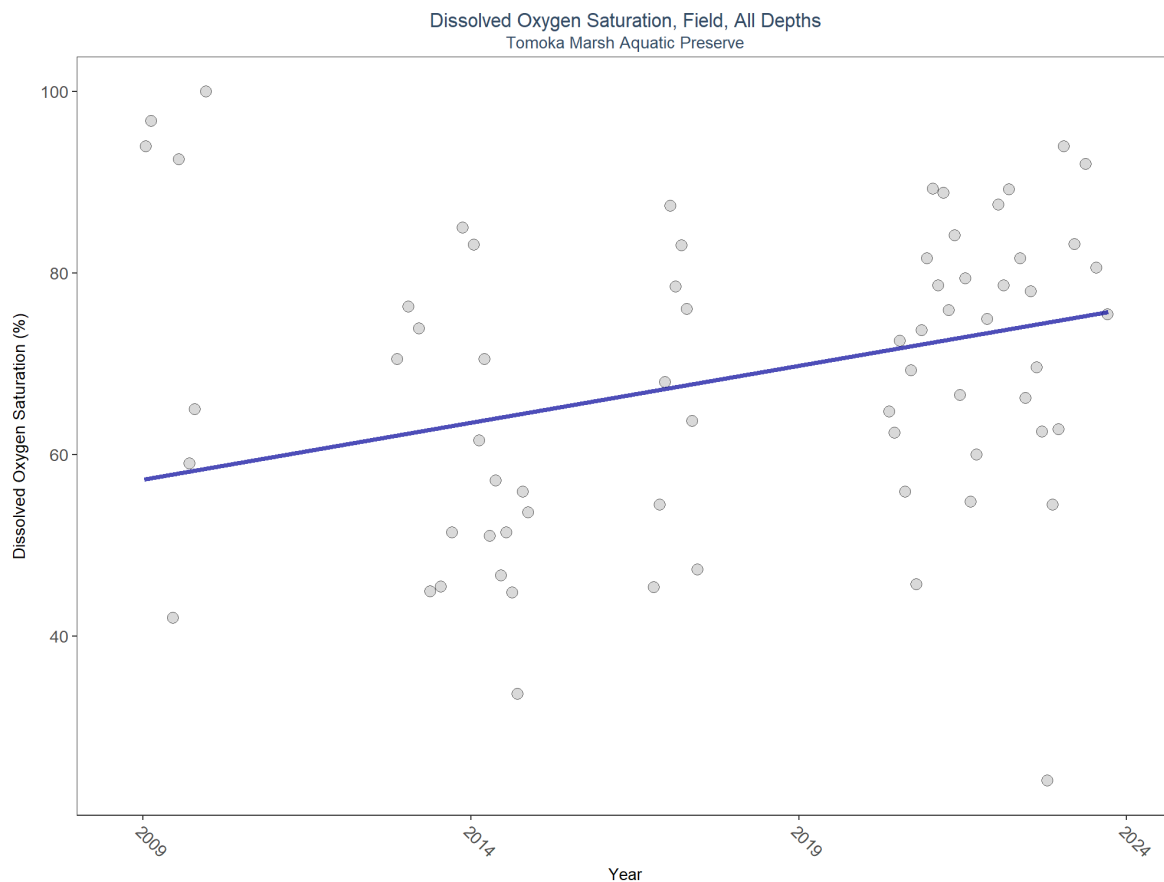
Dissolved Oxygen Saturation, Field, All Depths
Tomoka Marsh Aquatic Preserve

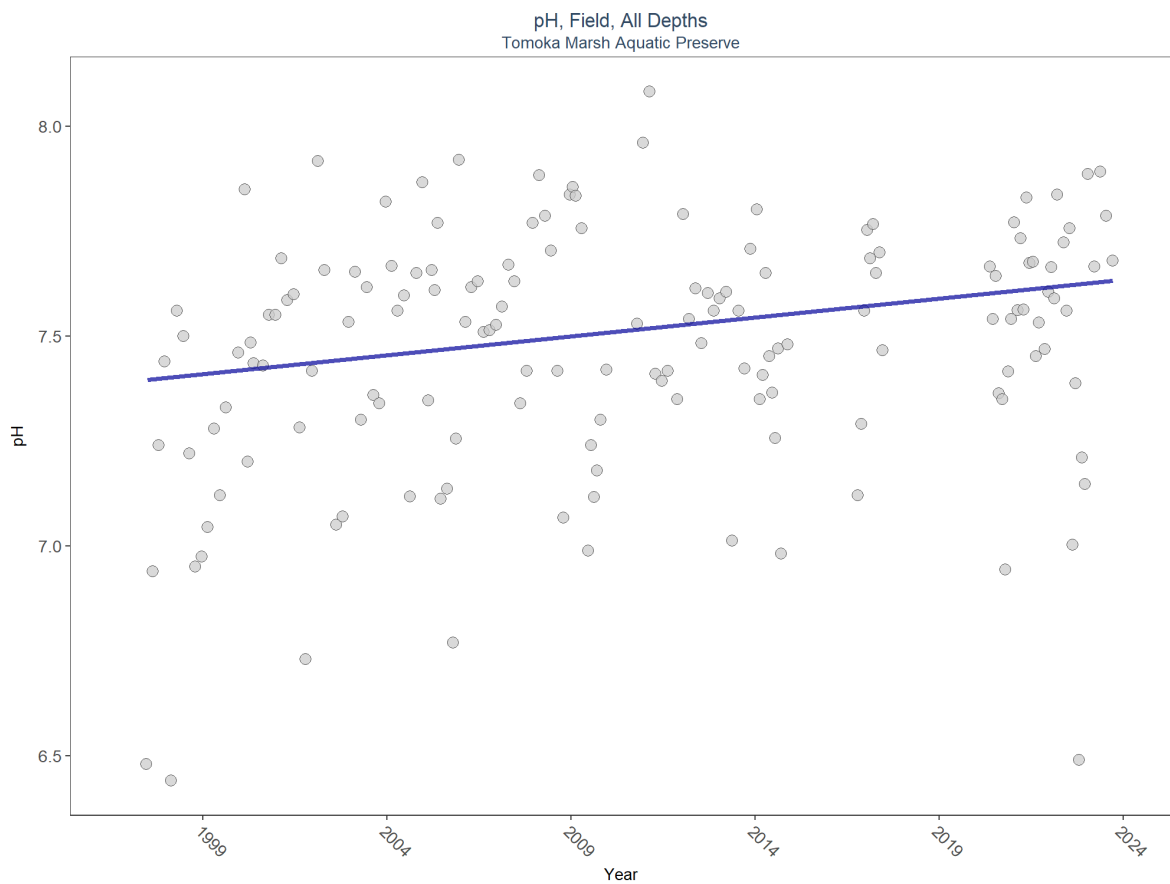| RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	317	10	70.9	TRUE	0.3059	0.0012	1.254544	57.2058	22.2854	0.0223	1

p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

pH

pH, Field, All Depths
Tomoka Marsh Aquatic Preserve

RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	613	24	7.54	TRUE	0.2227	0.0013	0.009	7.391447	13.0743	0.2885	1

p < 0.00005 appear as 0 due to rounding.

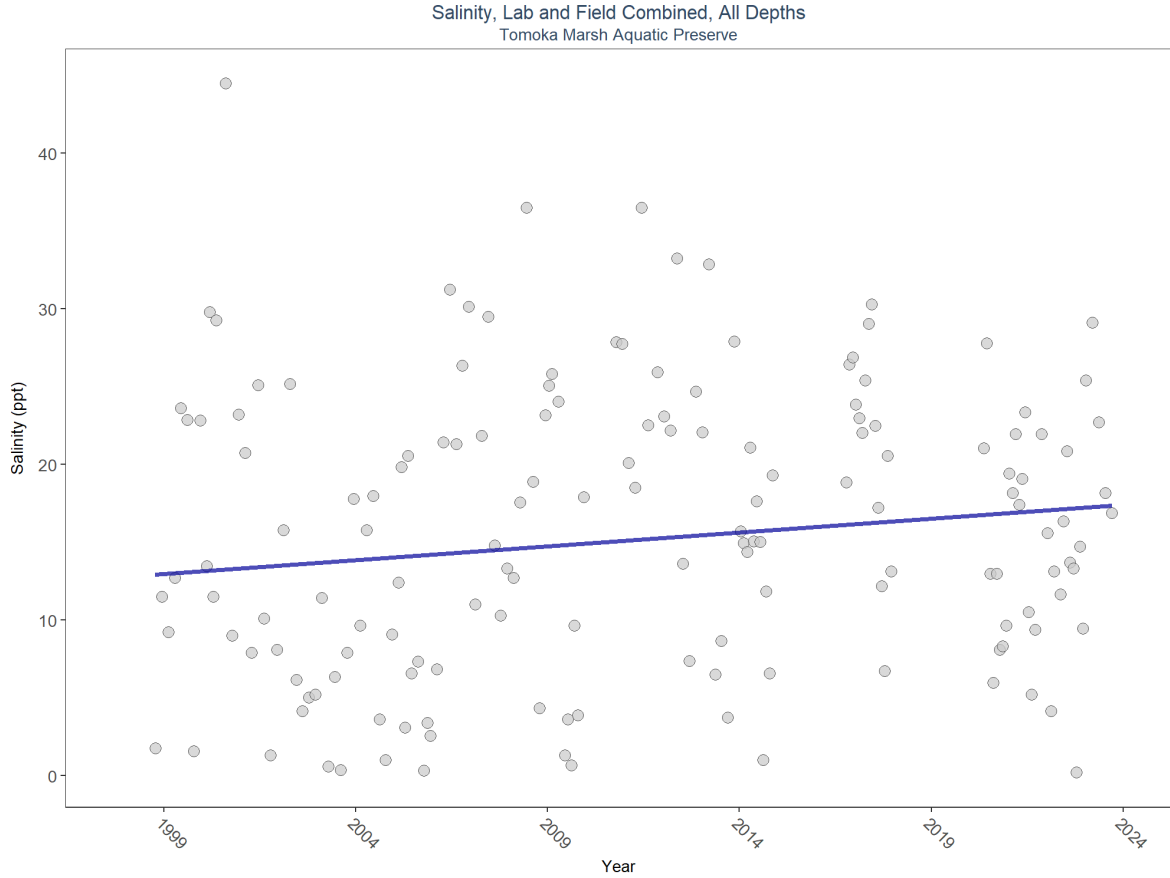*SennIntercept is intercept value at beginning of record for monitoring location*

Salinity

Salinity, Lab and Field Combined, All Depths
Tomoka Marsh Aquatic Preserve

RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	602	23	16.075	TRUE	0.0759	0.2037	0.1771362	12.79583	13.2011	0.2804	0

p < 0.00005 appear as 0 due to rounding.

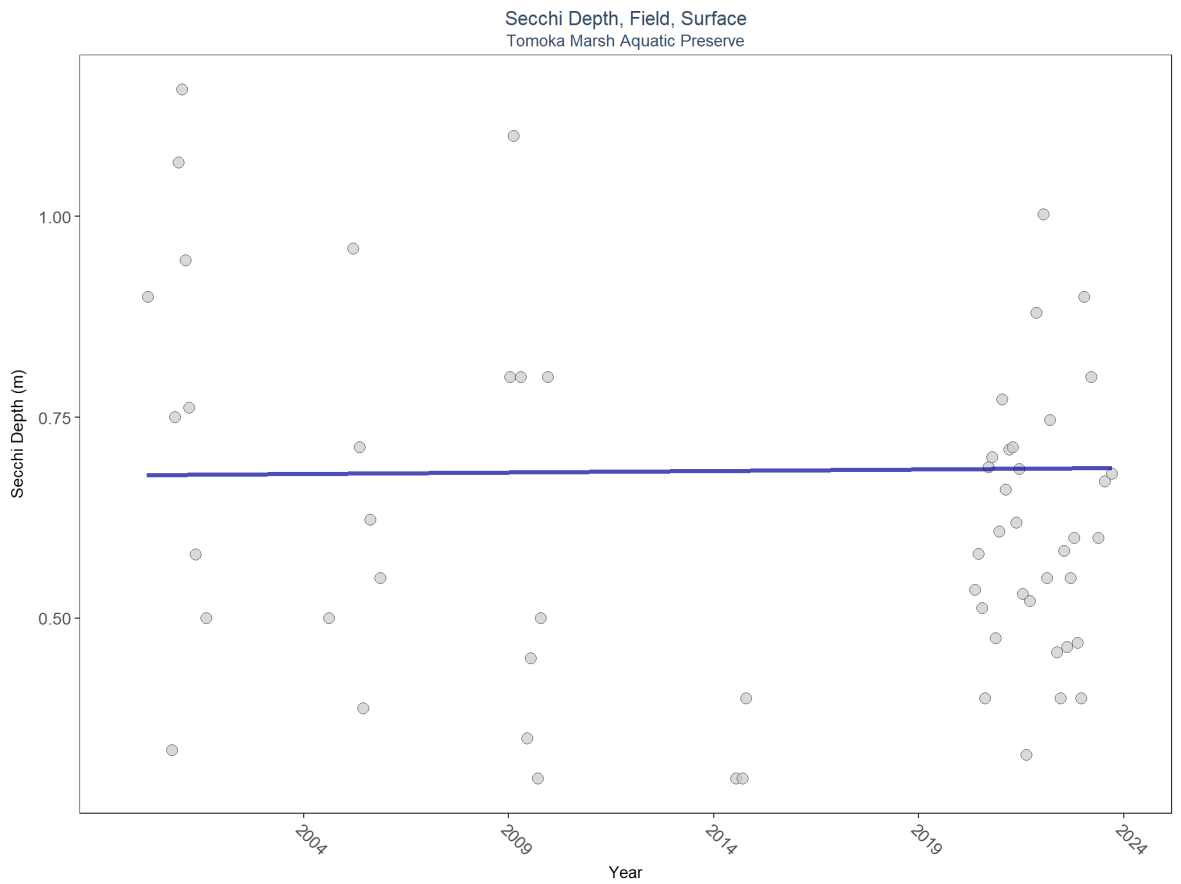*SennIntercept is intercept value at beginning of record for monitoring location*
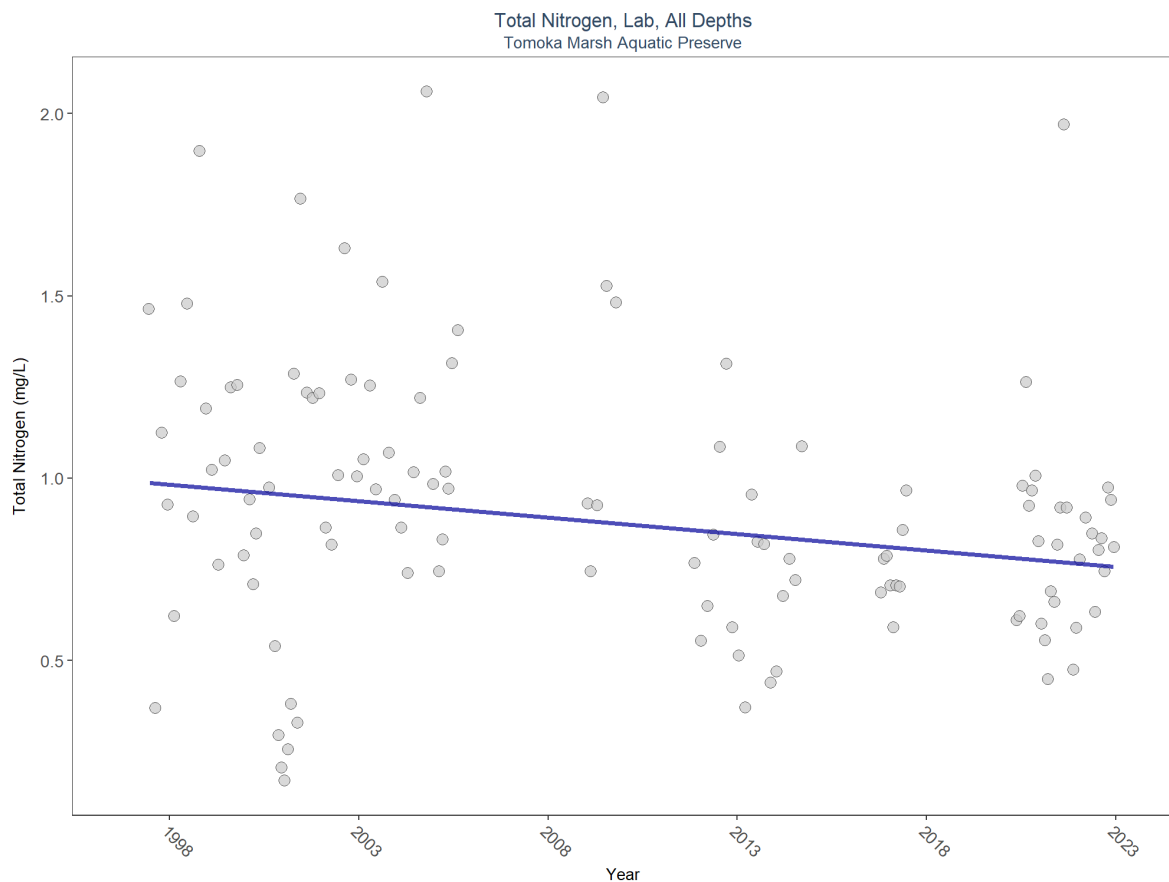
Secchi Depth

Secchi Depth, Field, Surface
Tomoka Marsh Aquatic Preserve

RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
Surface	279	10	0.6	TRUE	-0.0511	0.9468	0.0003676471	0.6782187	21.3322	0.0301	0

p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

Total Nitrogen

Total Nitrogen, Lab, All Depths
Tomoka Marsh Aquatic Preserve

RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	360	19	0.8045	TRUE	-0.1653	0.0184	-0.008980833	0.990825	20.7905	0.0356	-1

p < 0.00005 appear as 0 due to rounding.

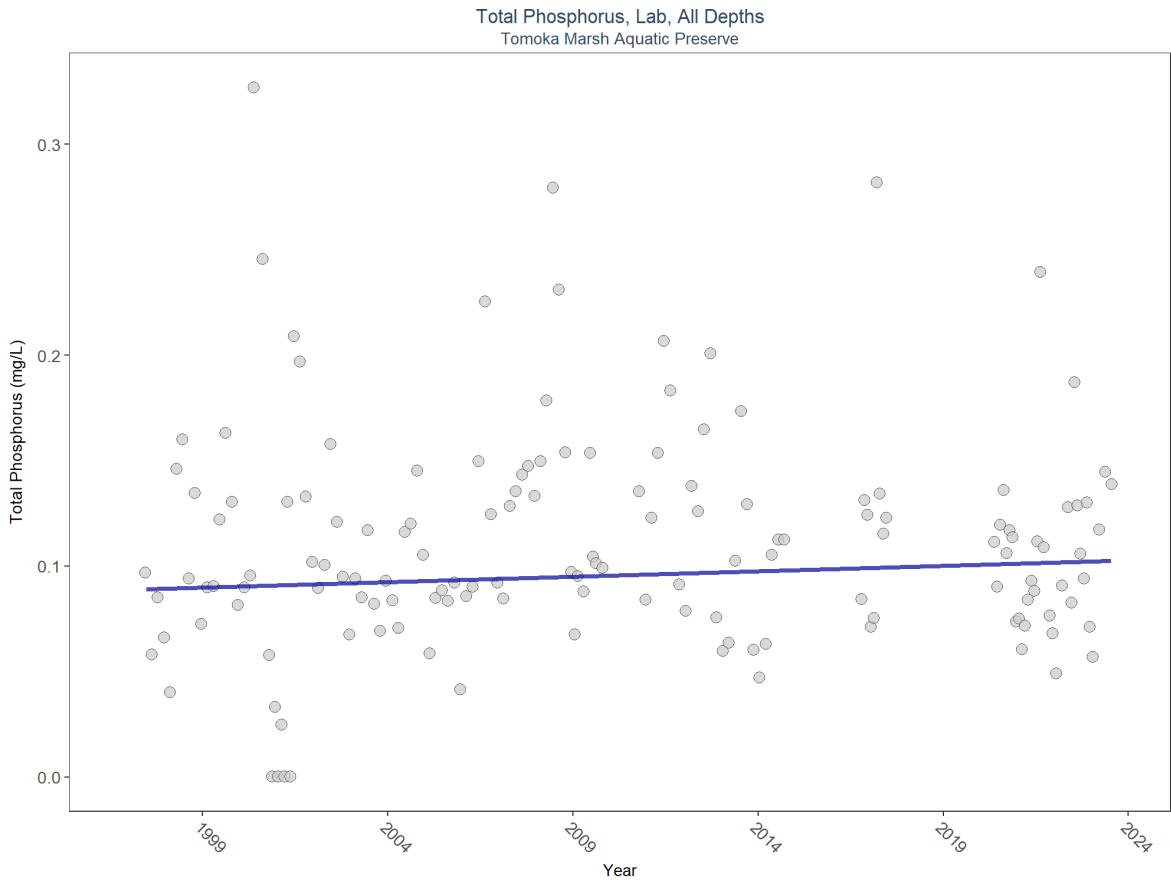*SennIntercept is intercept value at beginning of record for monitoring location*
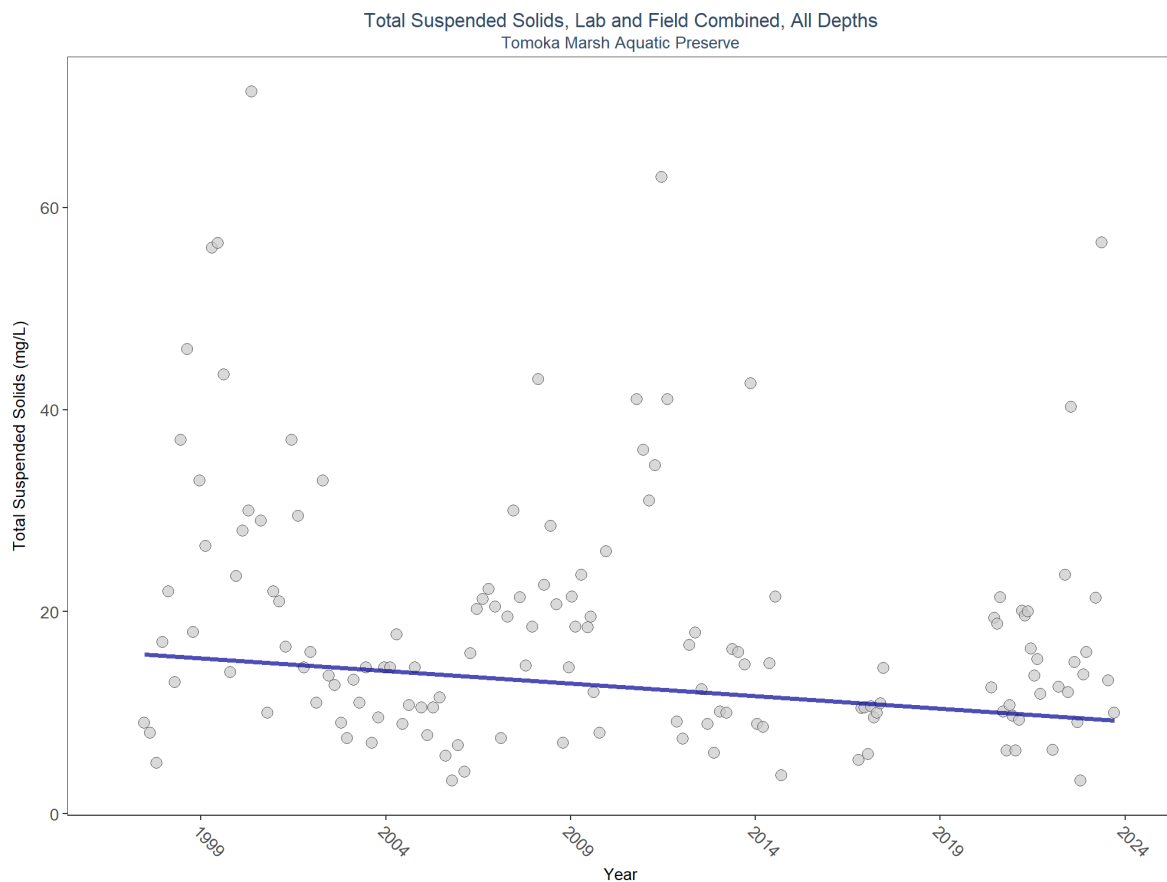
Total Phosphorus

Total Phosphorus, Lab, All Depths
Tomoka Marsh Aquatic Preserve

RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	604	24	0.0985	TRUE	0.0639	0.3347	0.0005111325	0.0889083	14.0293	0.2314	0

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
Tomoka Marsh Aquatic Preserve

RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	393	24	14	TRUE	-0.0733	0.1234	-0.25	15.9026	8.7777	0.6424	0

p < 0.00005 appear as 0 due to rounding.

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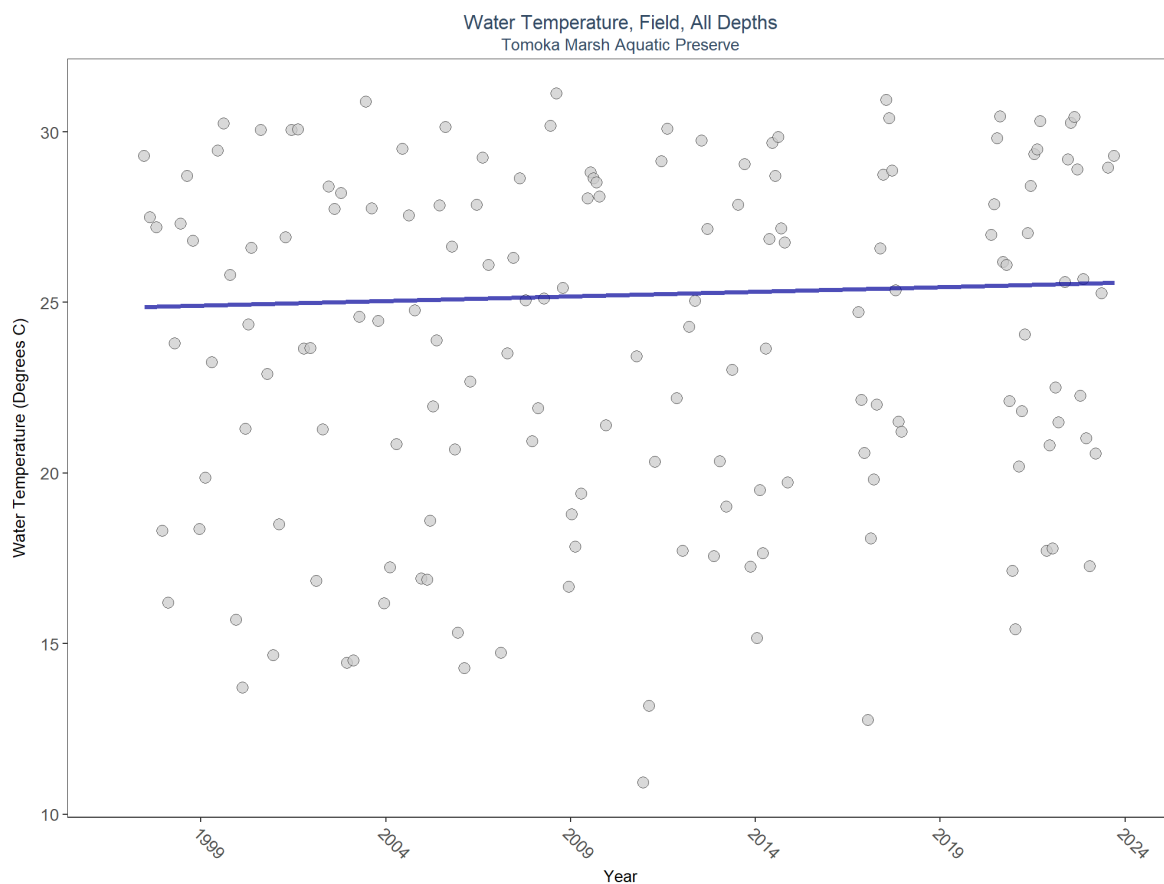
Turbidity
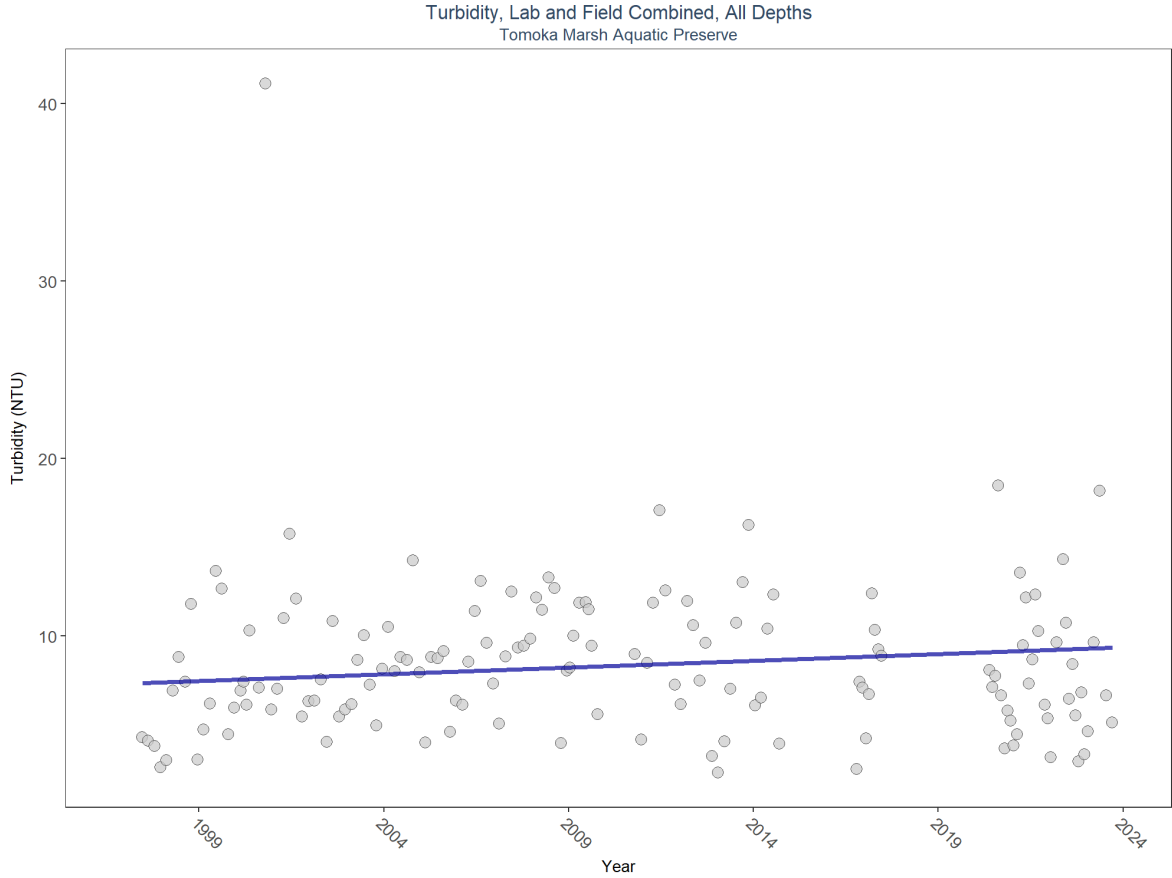
Turbidity, Lab and Field Combined, All Depths
Tomoka Marsh Aquatic Preserve

RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	432	24	7.08158	TRUE	0.0753	0.1071	0.07614584	7.299557	24.1354	0.0122	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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Water Temperature

Water Temperature, Field, All Depths
Tomoka Marsh Aquatic Preserve

RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	640	24	25	TRUE	0.114	0.0729	0.027	24.85033	9.9784	0.5323	0

p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location