

Mosquito Lagoon Aquatic Preserve

SEACAR Discrete Water Quality Analysis

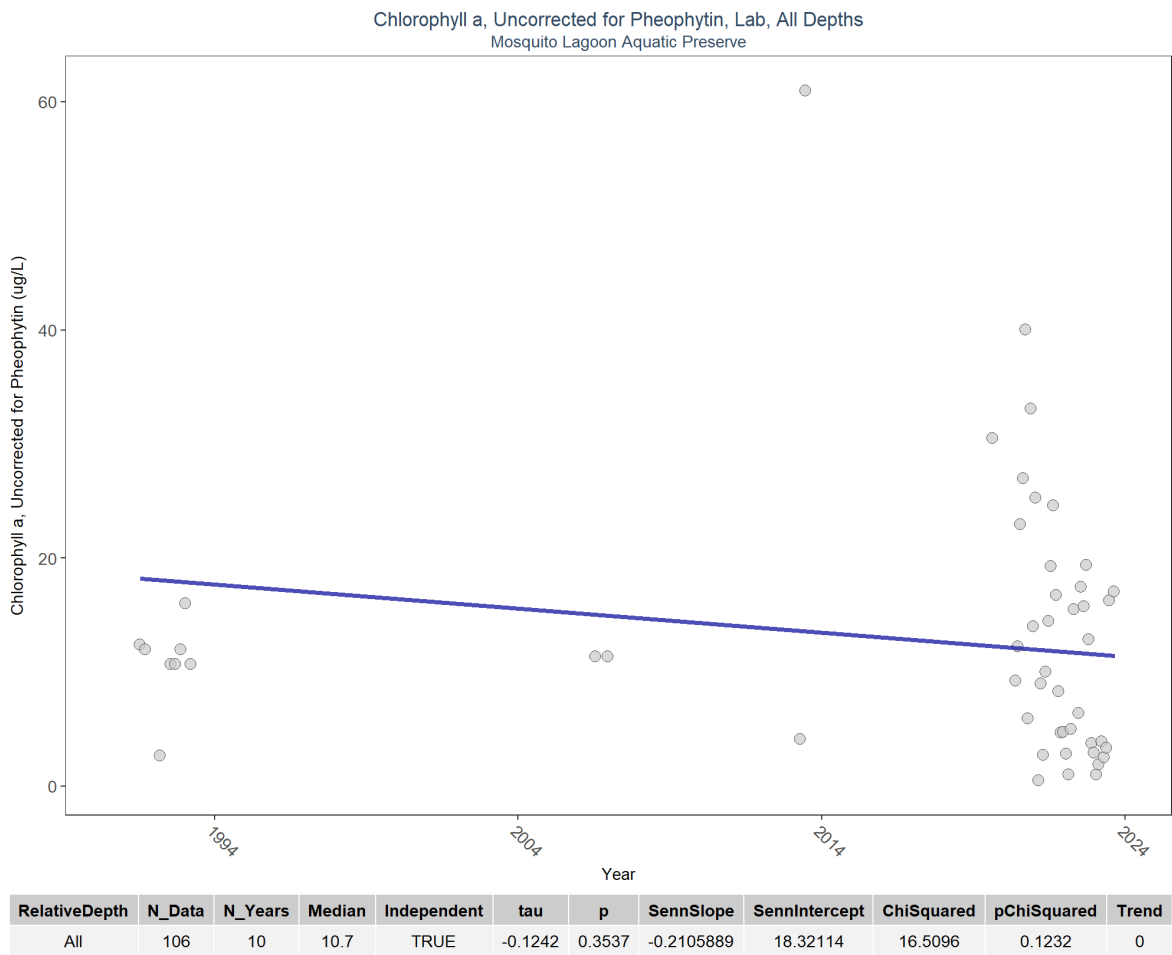
Last compiled on 26 June, 2024

Contents

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

Parameters

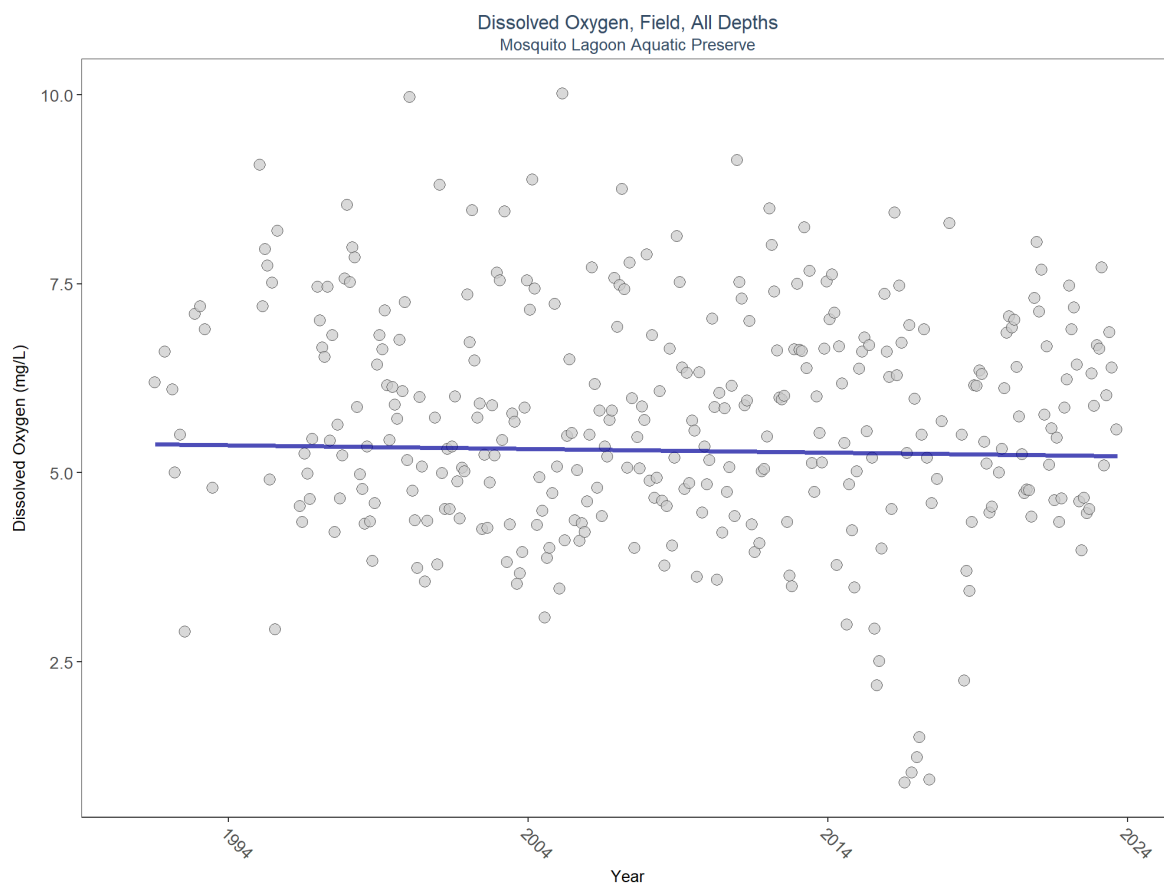
Chlorophyll a, Uncorrected for Pheophytin



p < 0.00005 appear as 0 due to rounding.

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

Dissolved Oxygen

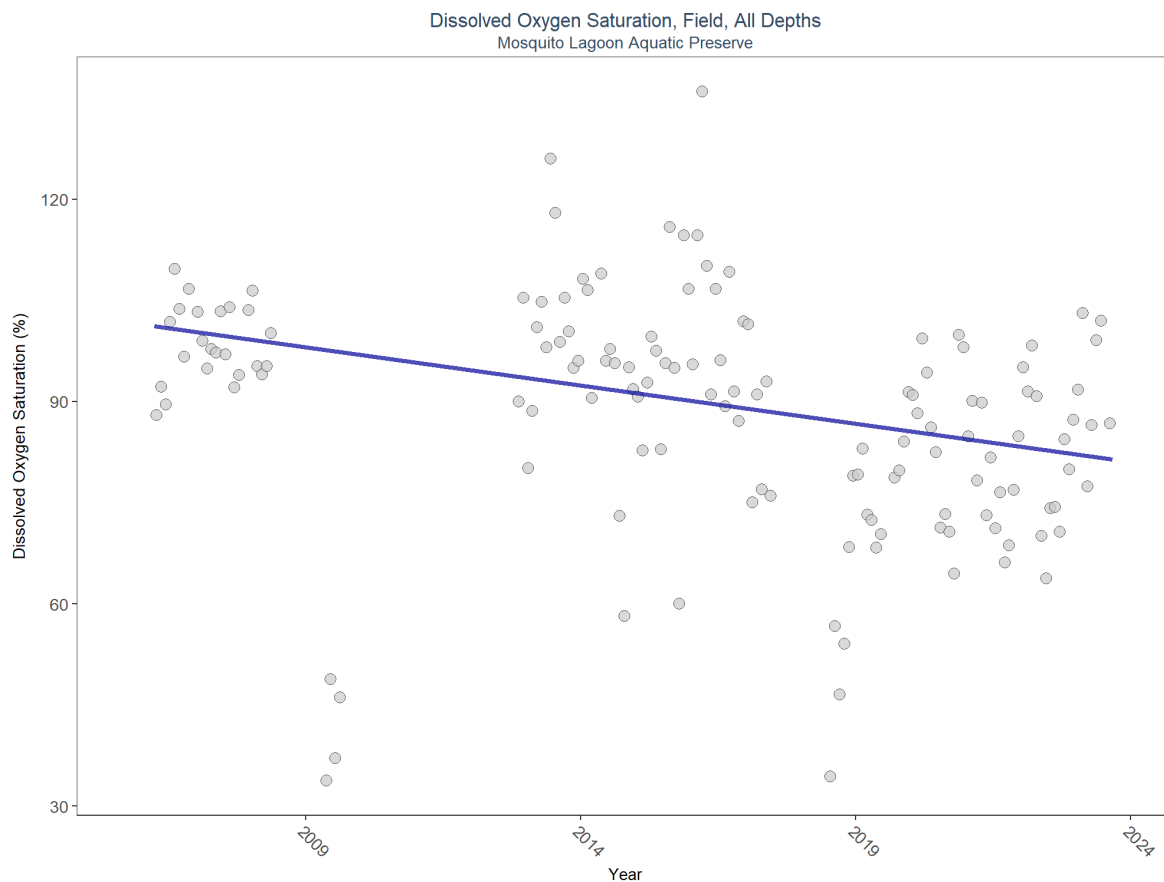


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	4713	32	5.4	TRUE	-0.0255	0.5305	-0.004692641	5.37895	6.1861	0.8607	0

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

SennIntercept is intercept value at beginning of record for monitoring location

Dissolved Oxygen Saturation

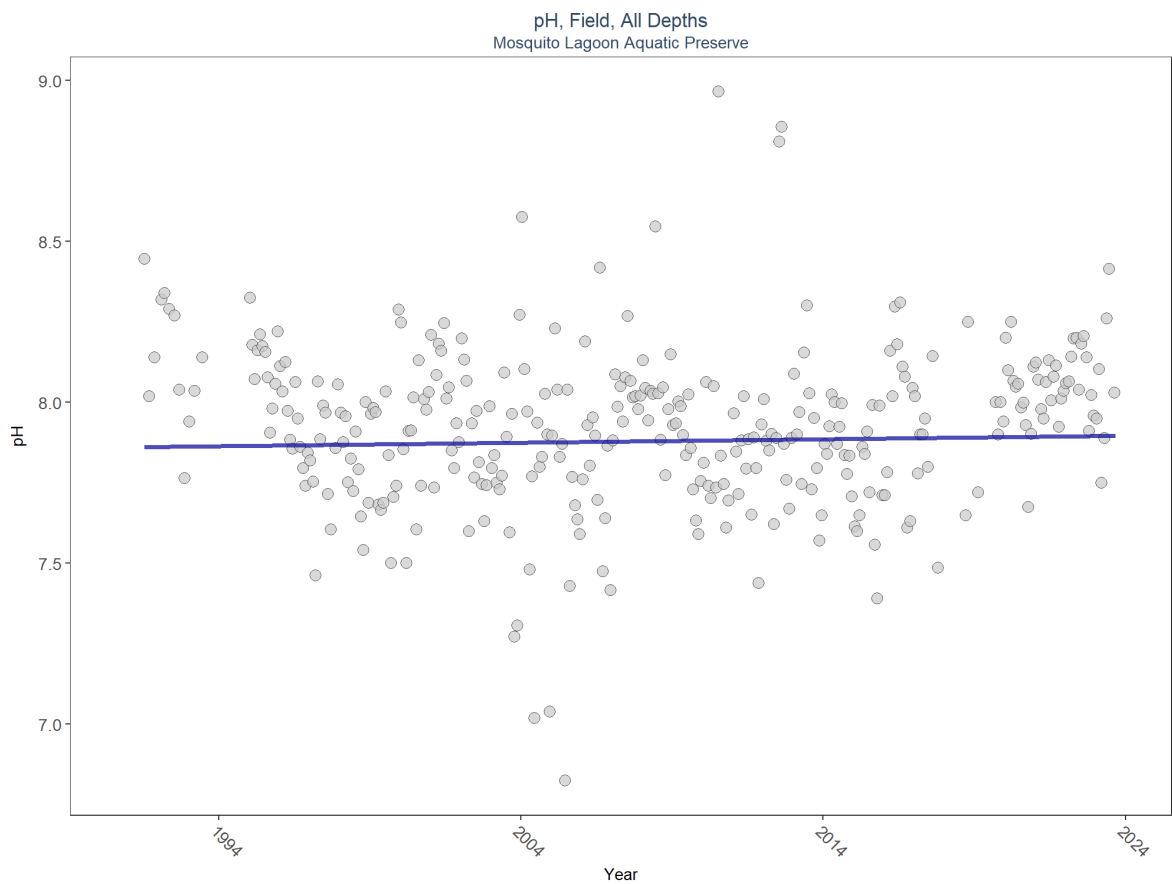


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	423	16	87.1	TRUE	-0.2846	0.0000	-1.134479	101.4434	3.1962	0.9879	-1

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

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

pH

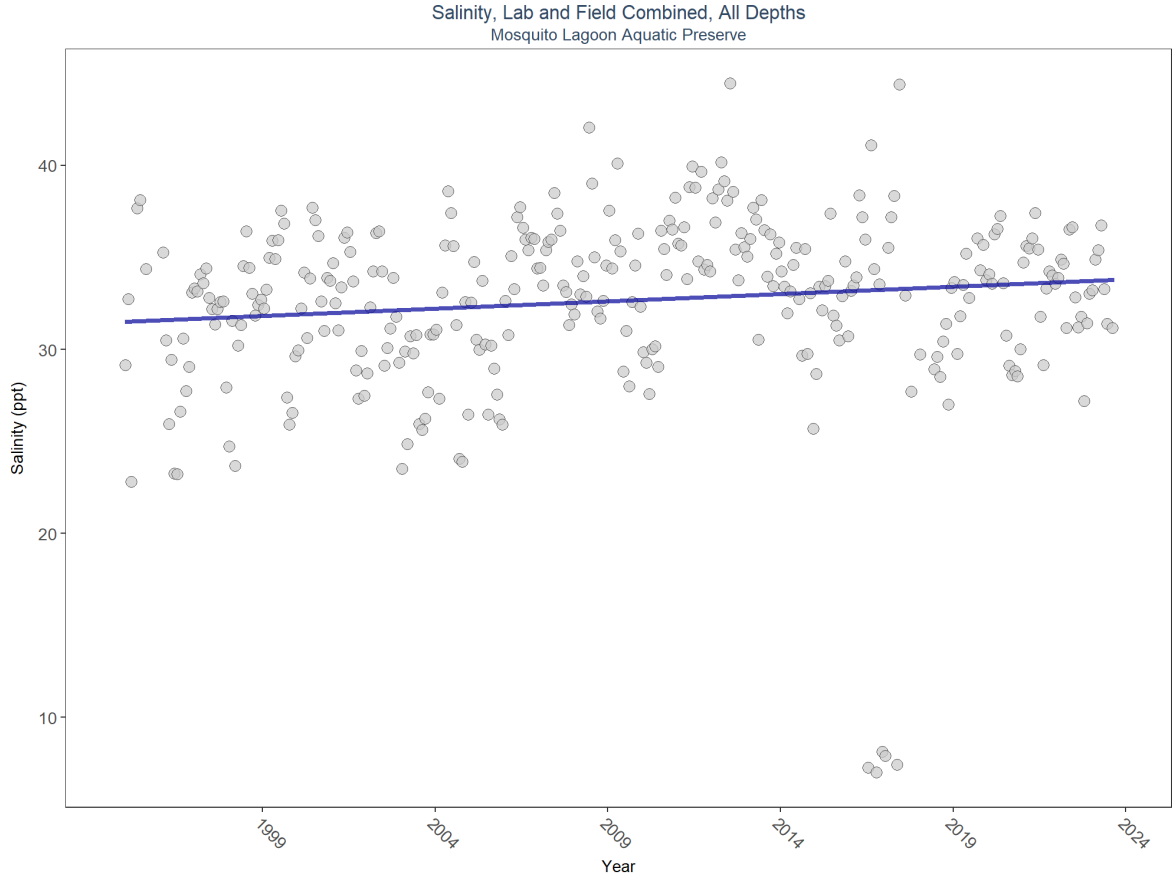


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	3633	32	7.9	TRUE	0.035	0.3786	0.001103175	7.86026	12.7317	0.3112	0

p < 0.00005 appear as 0 due to rounding.

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

Salinity

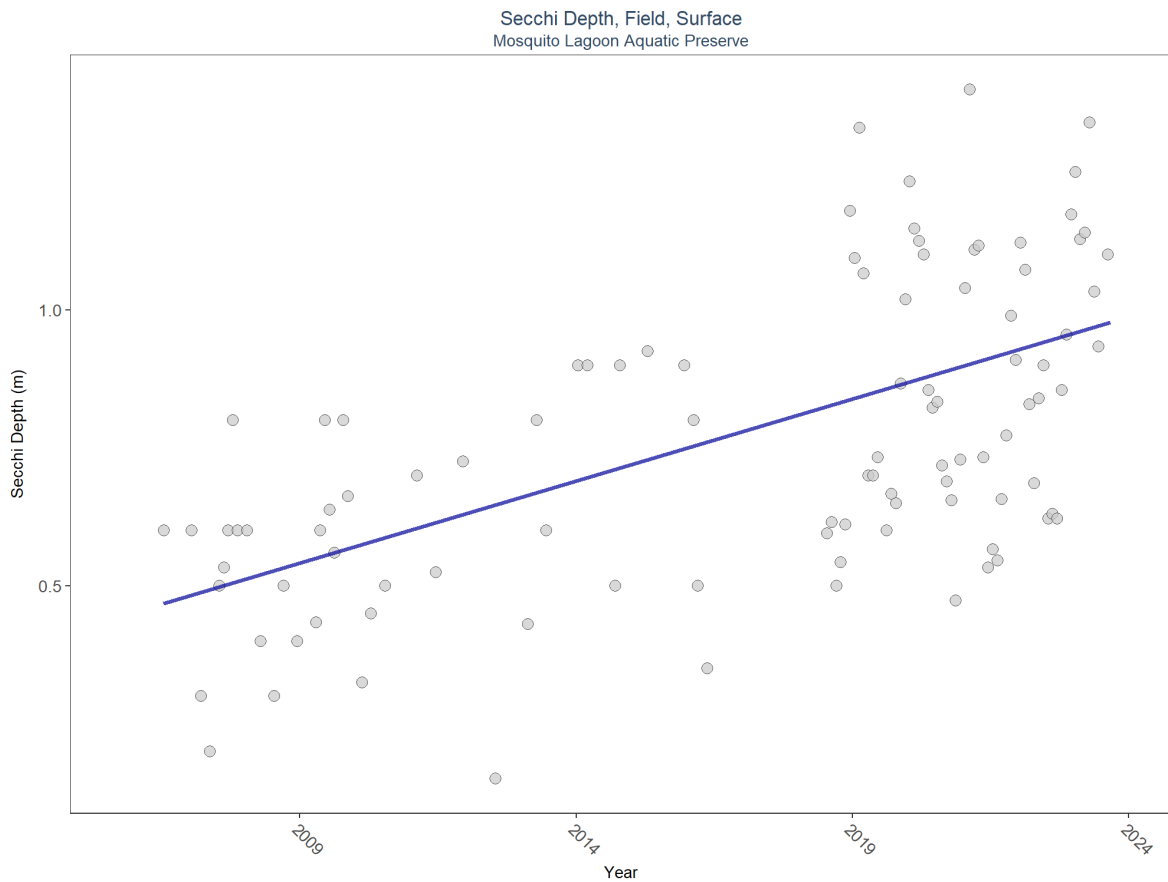


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	5137	29	32.4	TRUE	0.139	0.0004	0.08006494	31.49931	11.9174	0.3699	1

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

SennIntercept is intercept value at beginning of record for monitoring location

Secchi Depth

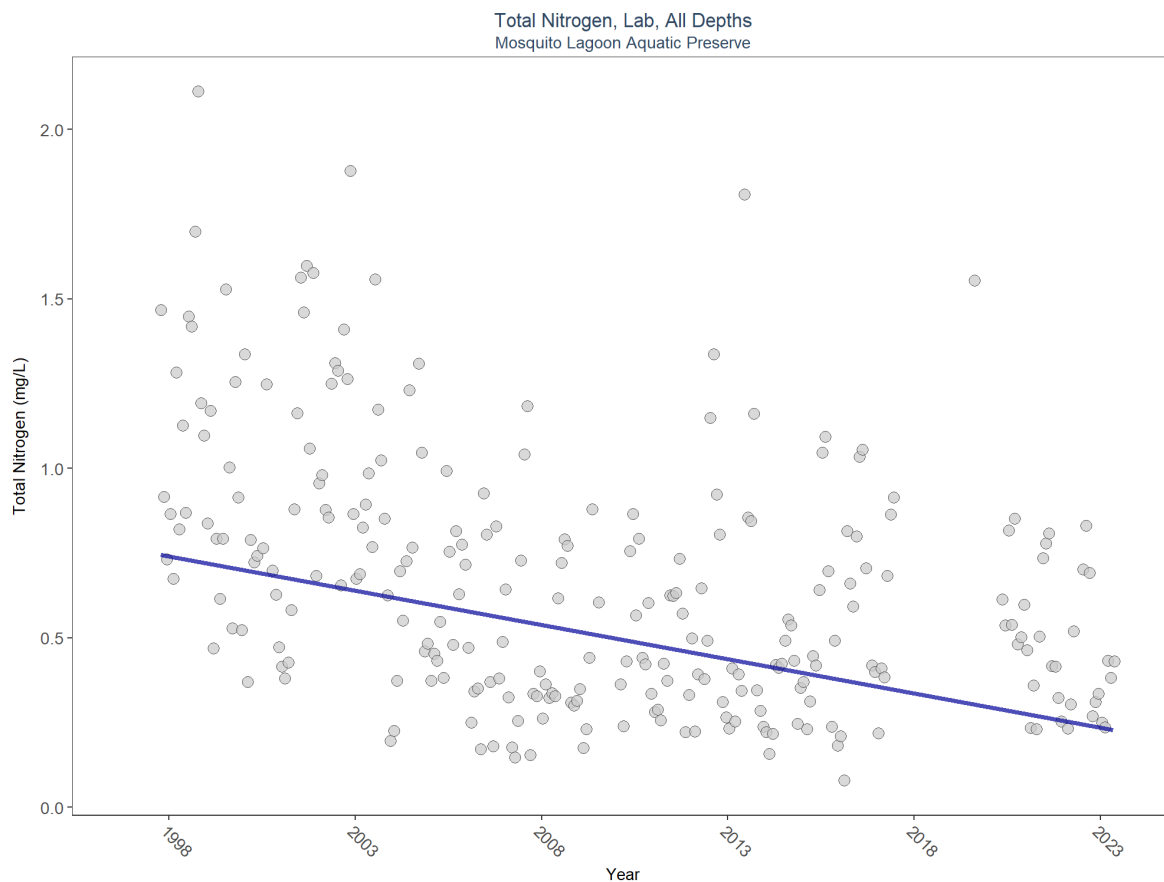


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
Surface	596	17	0.8	TRUE	0.4895	0.0000	0.02975	0.4522197	7.1915	0.7834	1

p < 0.00005 appear as 0 due to rounding.

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

Total Nitrogen

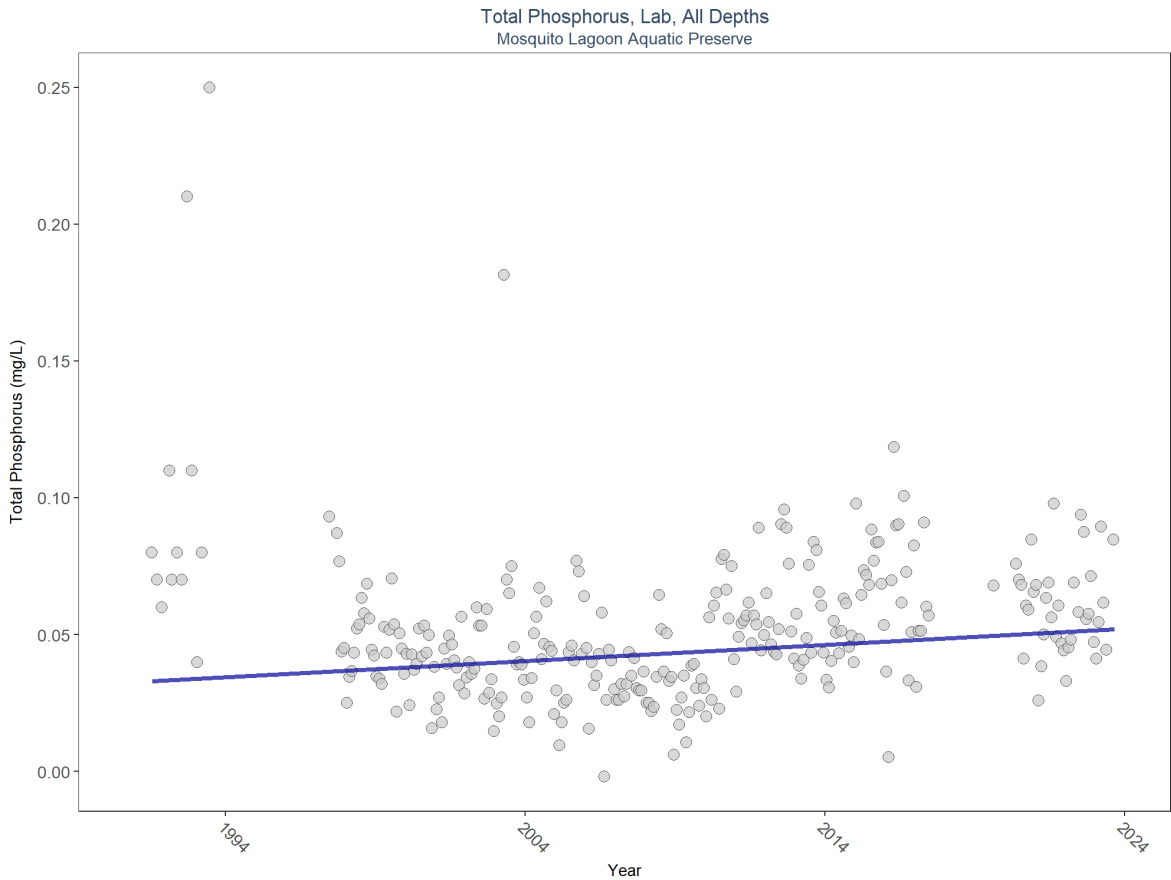


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	370	26	0.7115	TRUE	-0.3781	0.0000	-0.02020319	0.759755	10.2163	0.511	-1

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

SennIntercept is intercept value at beginning of record for monitoring location

Total Phosphorus

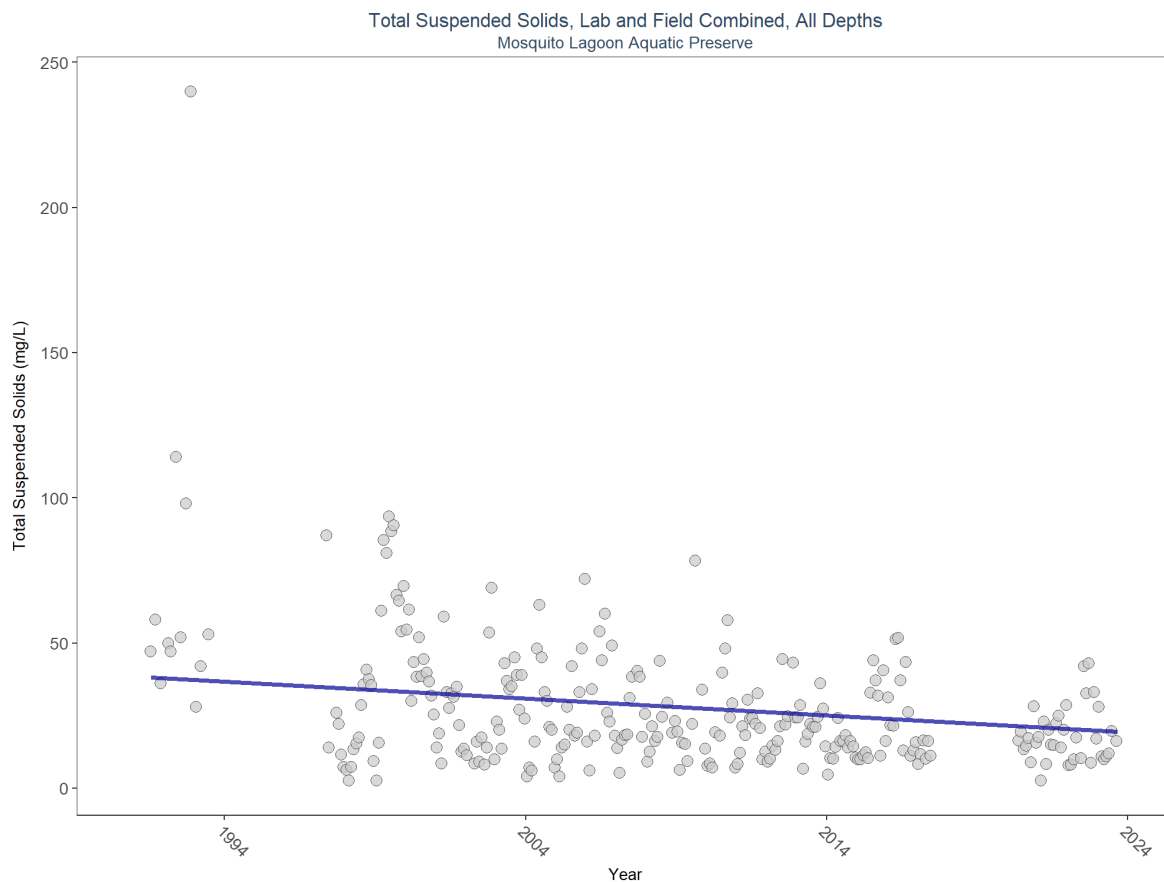


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	829	29	0.04114	TRUE	0.1733	0.0000	0.0005928571	0.032655	6.9387	0.804	1

p < 0.00005 appear as 0 due to rounding.

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

Total Suspended Solids

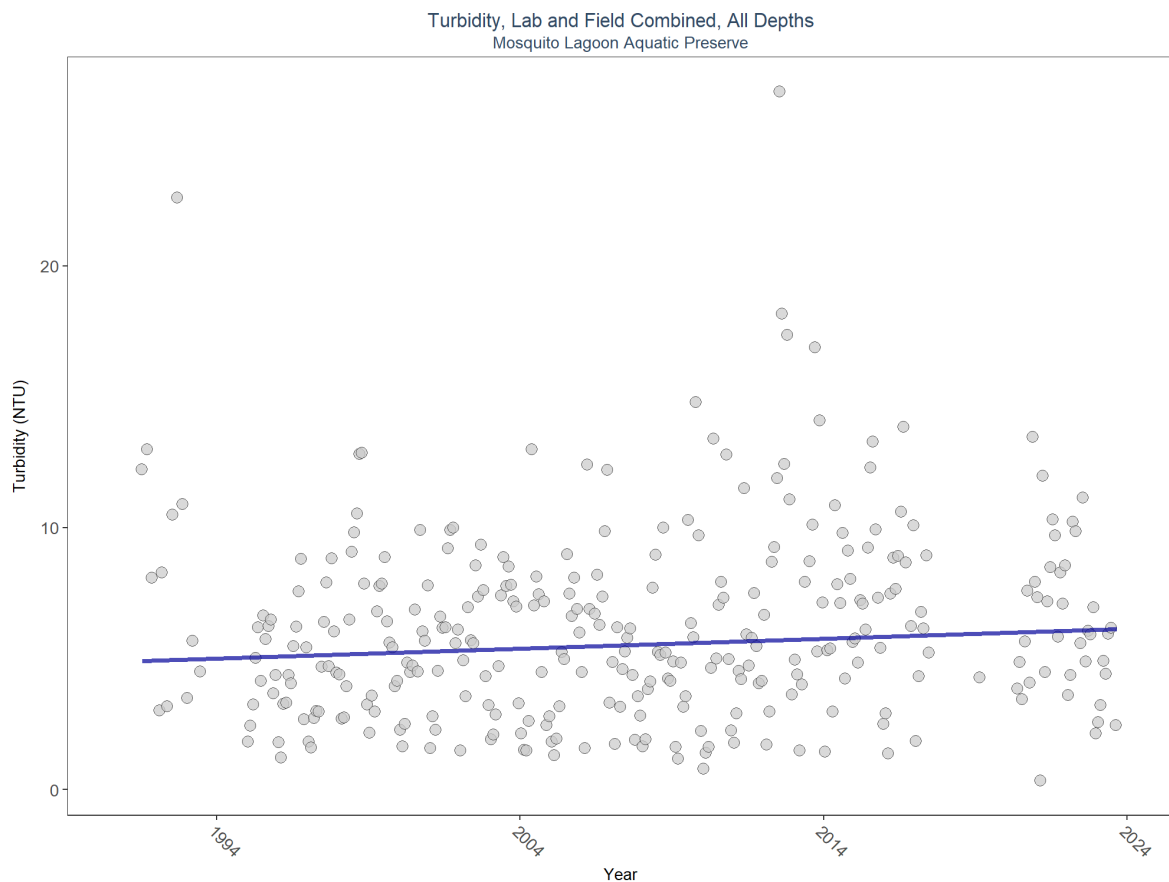


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	432	28	20	TRUE	-0.2416	0.0000	-0.5824041	38.52113	15.1157	0.1773	-1

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

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

Turbidity

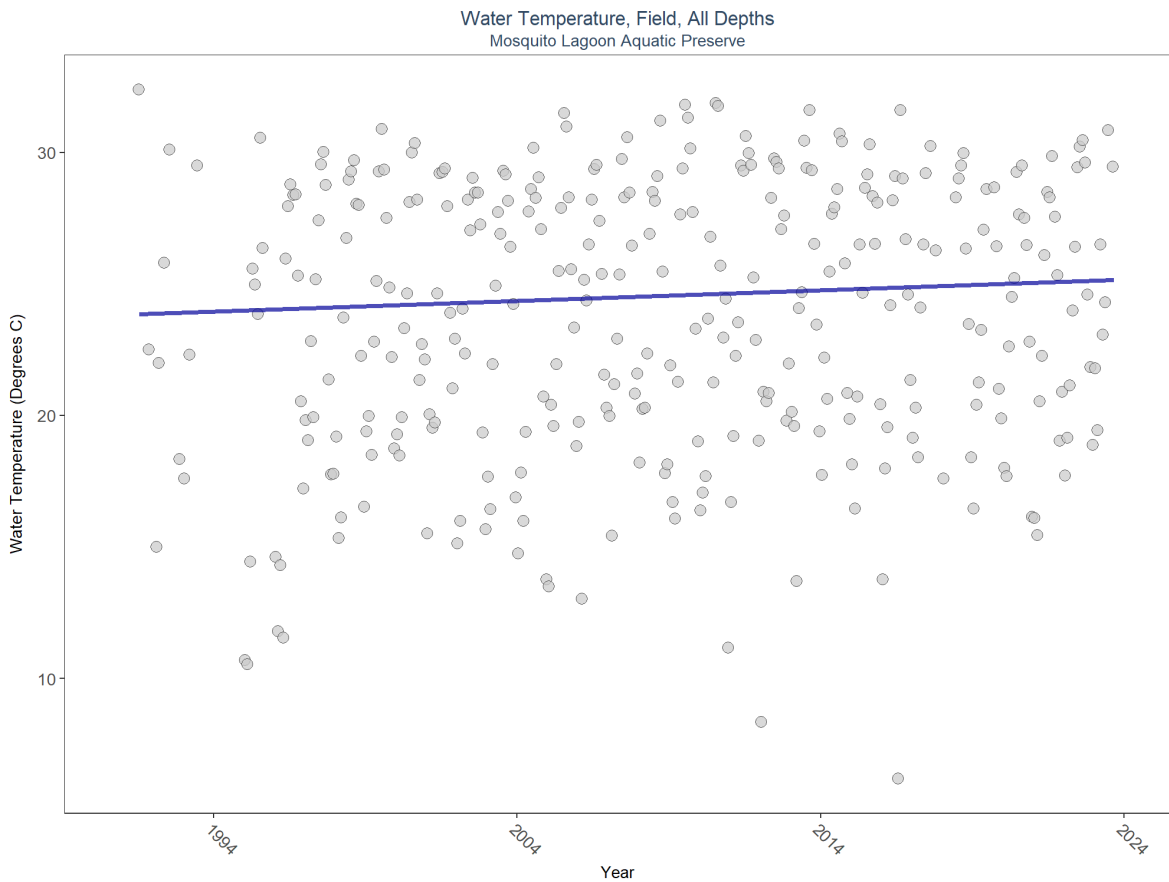


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	3518	31	4.6	TRUE	0.1023	0.0090	0.03780661	4.893027	8.0578	0.7081	1

$p < 0.00005$ 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	5254	32	25	TRUE	0.1379	0.0003	0.04064405	23.82724	13.6223	0.2546	1

p < 0.00005 appear as 0 due to rounding.

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