

Rocky Bayou State Park Aquatic Preserve

SEACAR Discrete Water Quality Analysis

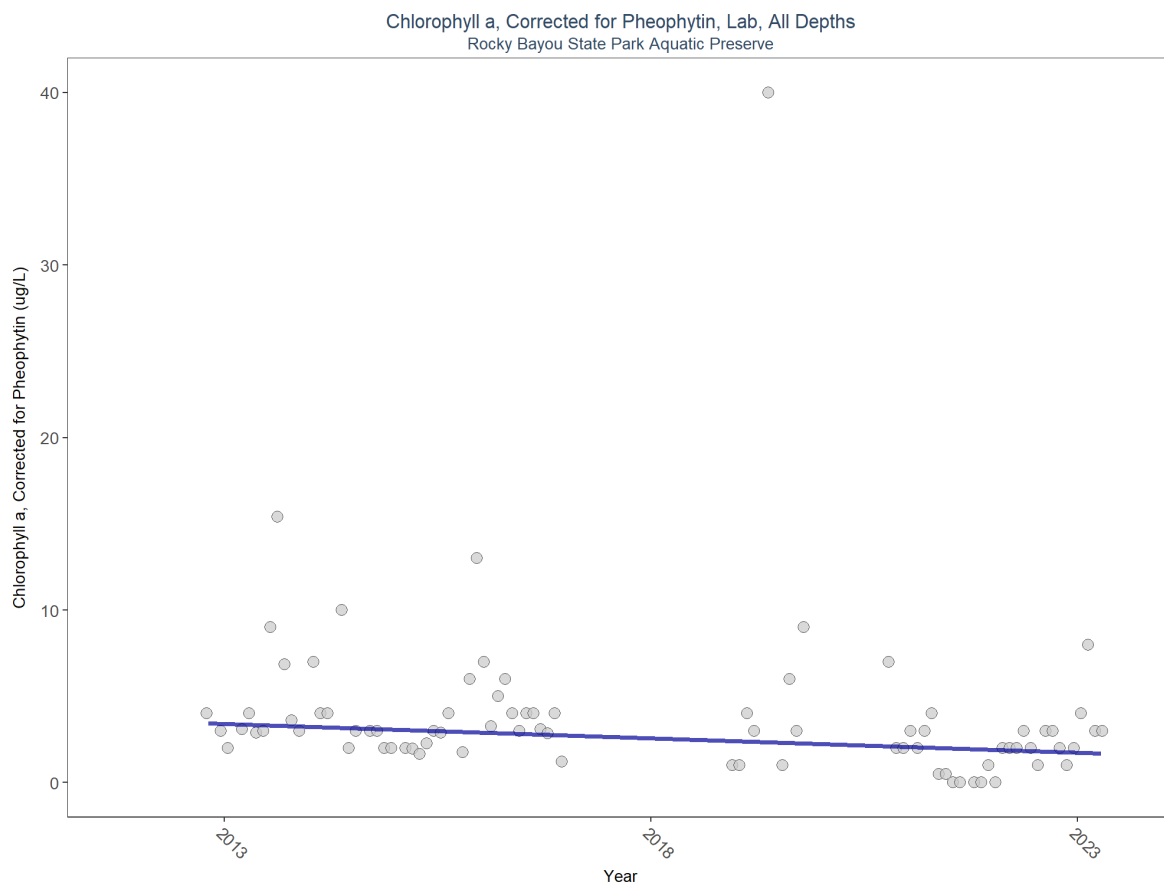
Last compiled on 26 June, 2024

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Parameters

Chlorophyll a, Corrected for Pheophytin



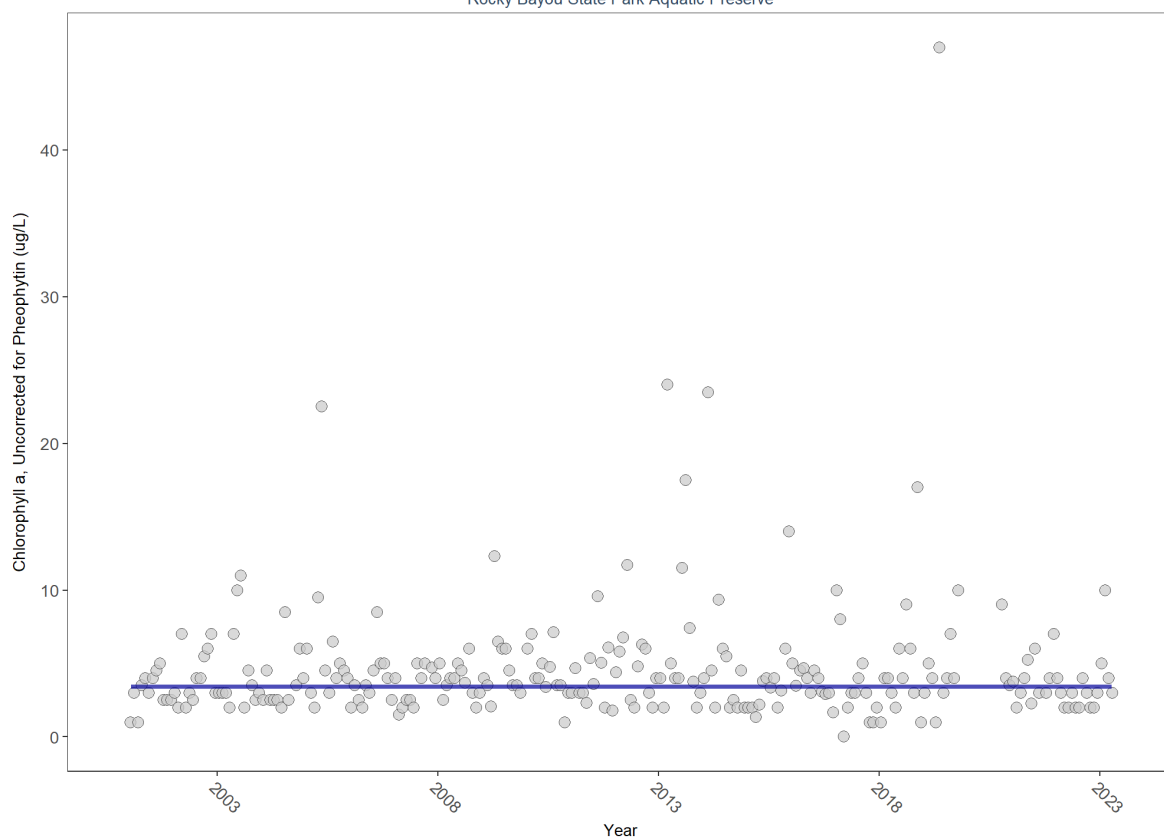
RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	110	11	3	TRUE	-0.3035	0.0012	-0.1666667	3.583333	4.6611	0.9465	-1

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

SennIntercept is intercept value at beginning of
record for monitoring location

Chlorophyll a, Uncorrected for Pheophytin

Chlorophyll a, Uncorrected for Pheophytin, Lab, All Depths
Rocky Bayou State Park Aquatic Preserve

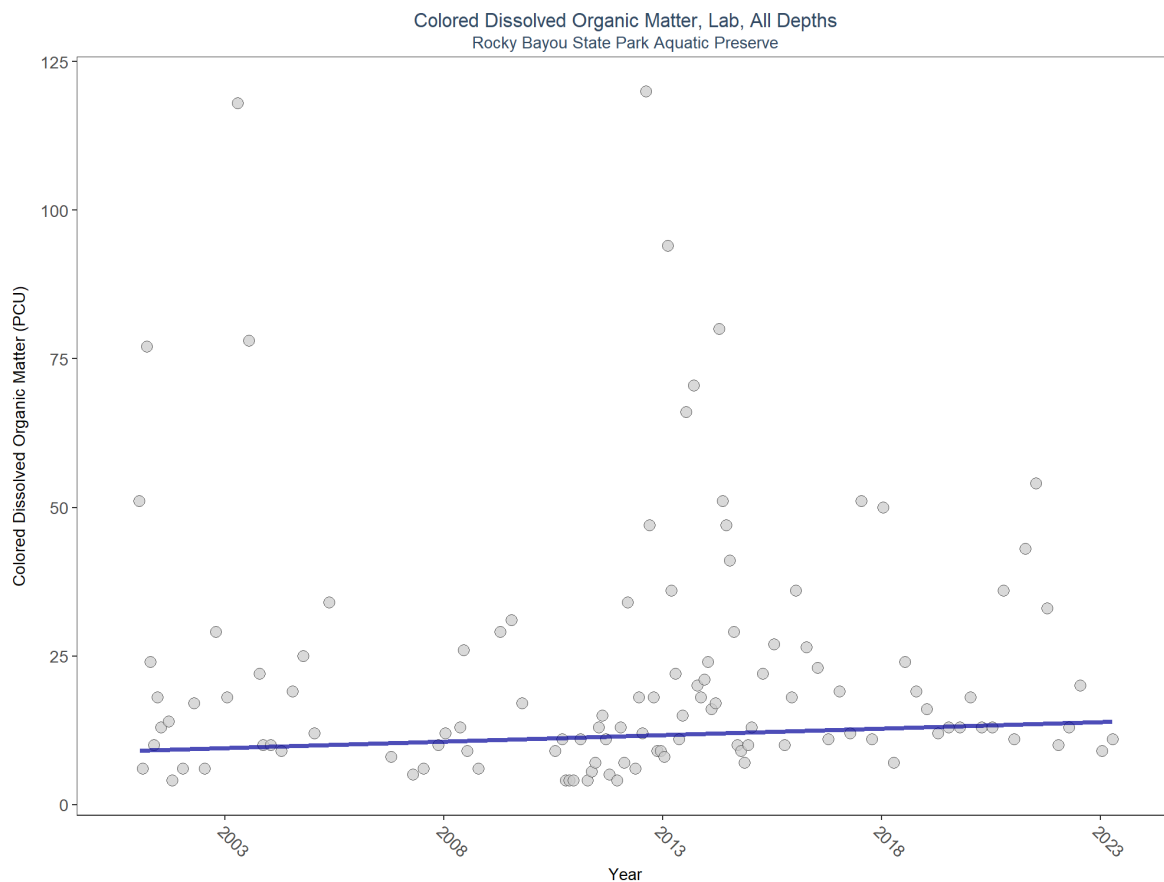


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	459	23	3.4	TRUE	-0.0164	0.7865	0	3.428472	8.8977	0.6313	0

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

SennIntercept is intercept value at beginning of
record for monitoring location

Colored Dissolved Organic Matter

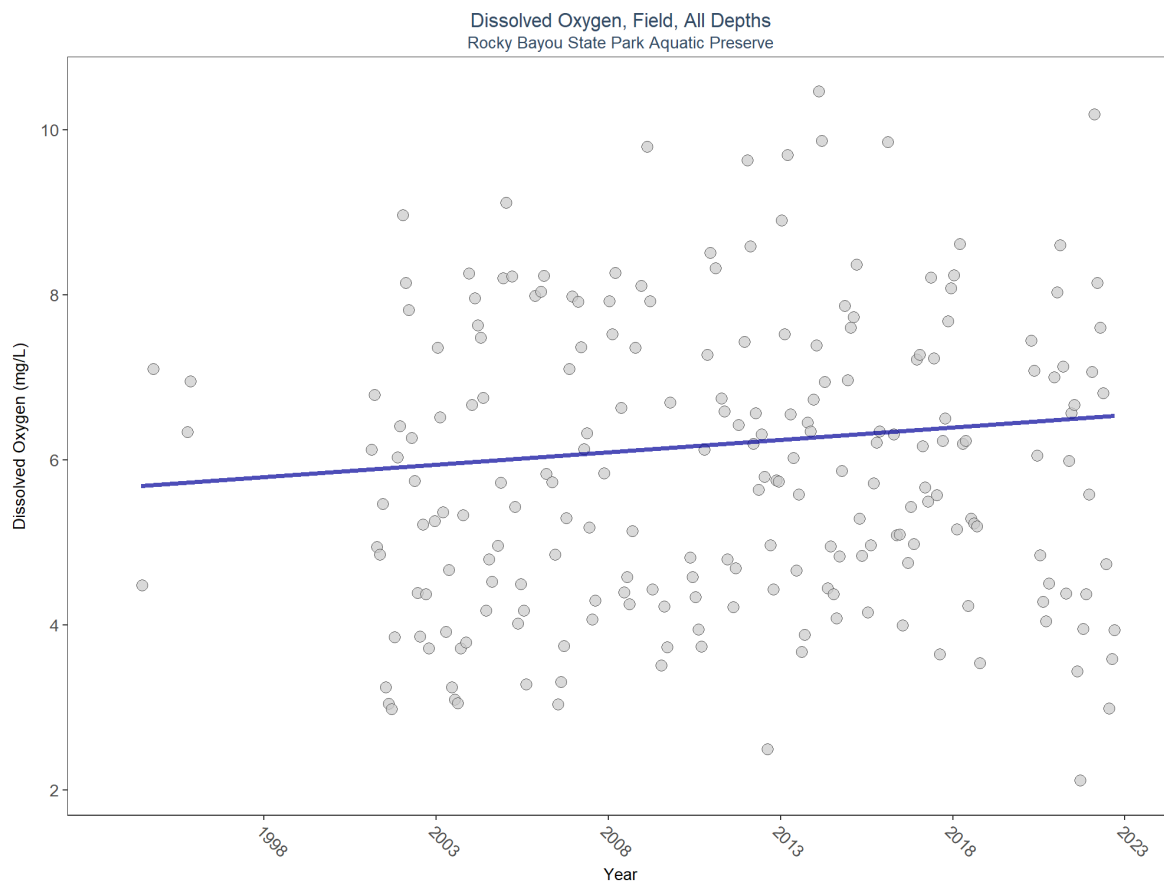


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	129	23	13	TRUE	0.105	0.2055	0.2222222	9.055556	10.4977	0.4862	0

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

SennIntercept is intercept value at beginning of record for monitoring location

Dissolved Oxygen

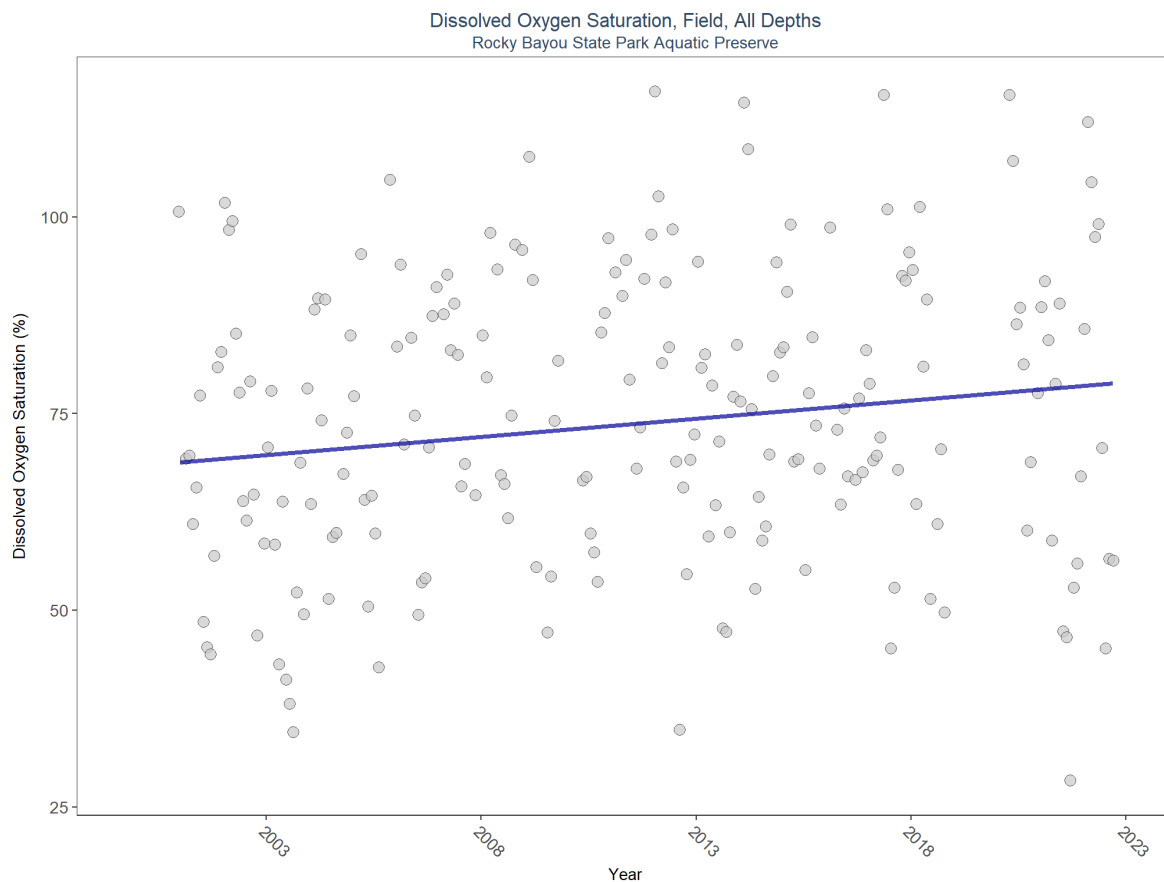


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	642	23	6.54	TRUE	0.1273	0.0059	0.03	5.670367	13.8762	0.2399	1

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

SennIntercept is intercept value at beginning of record for monitoring location

Dissolved Oxygen Saturation

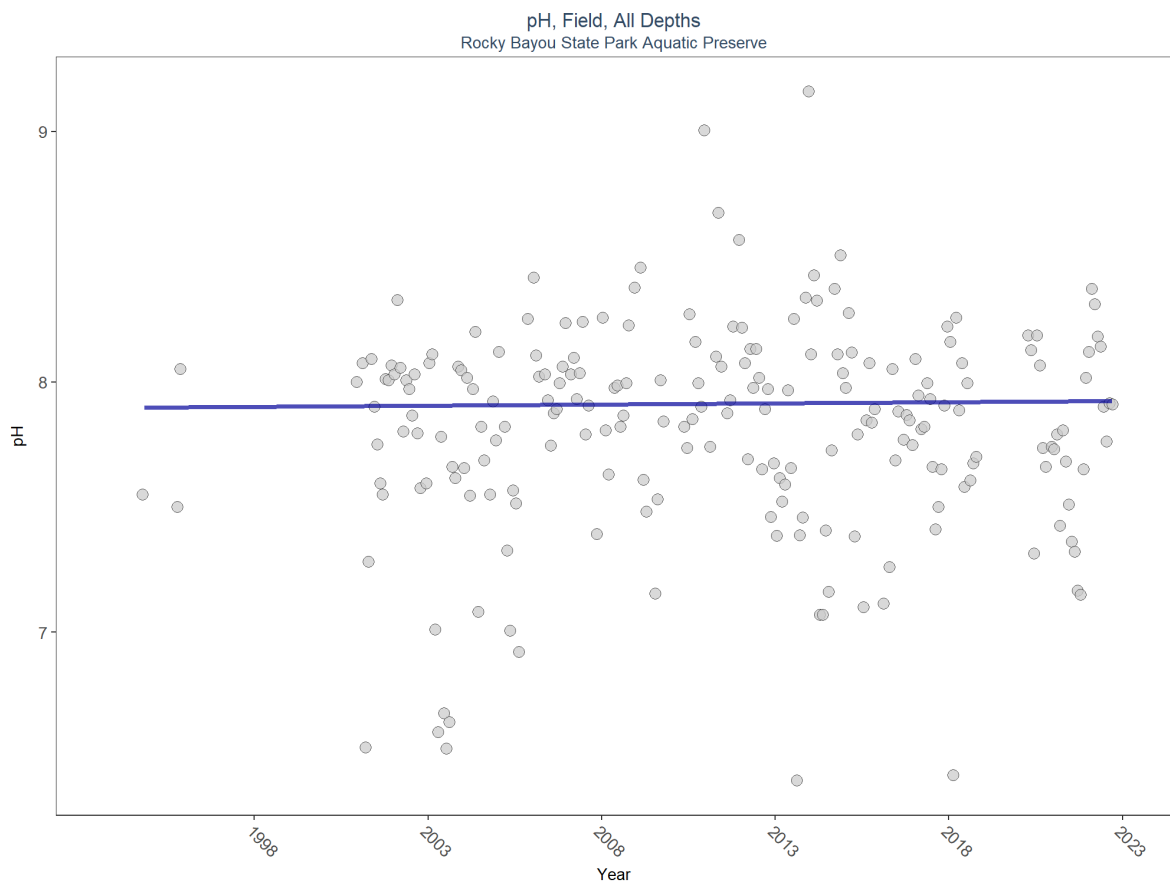


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	610	22	89	TRUE	0.1187	0.0143	0.4620192	68.3263	6.6932	0.8234	1

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

SennIntercept is intercept value at beginning of record for monitoring location

pH

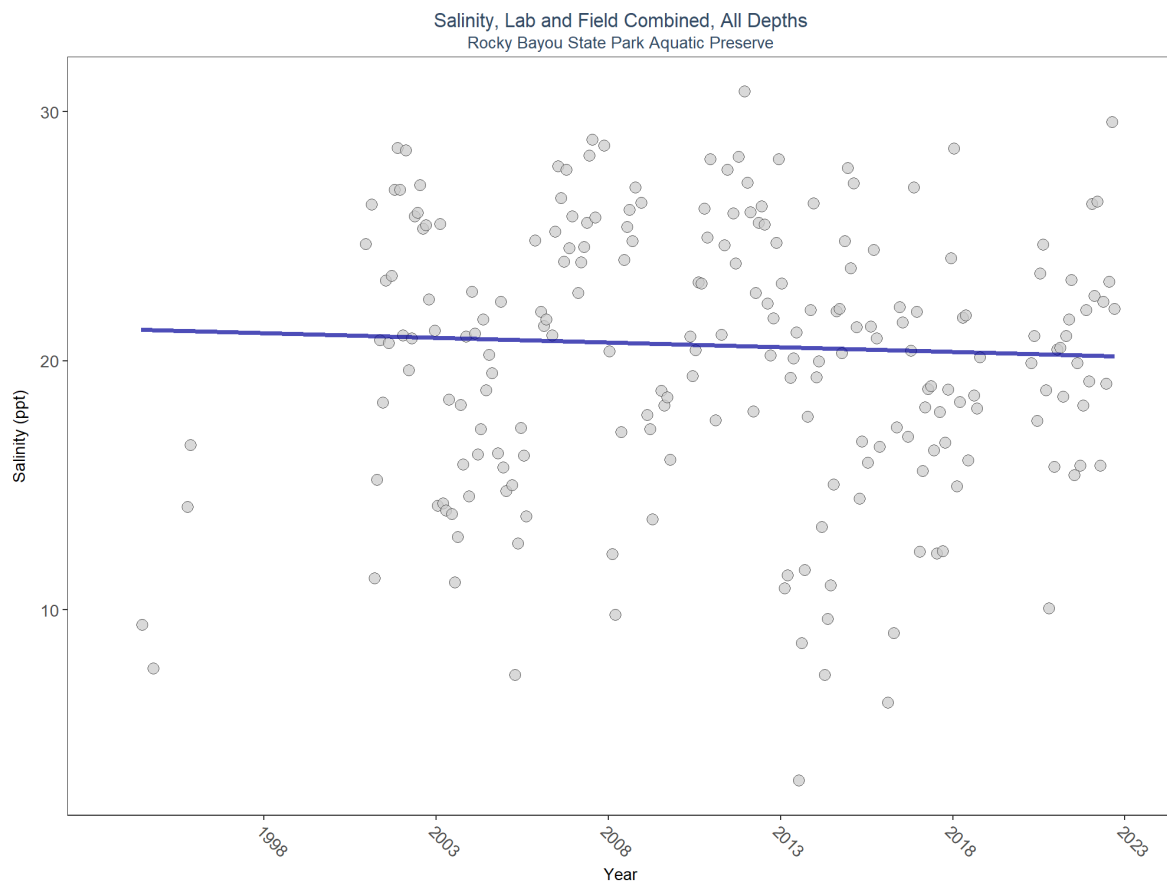


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	638	24	7.88	TRUE	0.0145	0.7534	0.001	7.895795	9.5462	0.5716	0

p < 0.00005 appear as 0 due to rounding.

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

Salinity

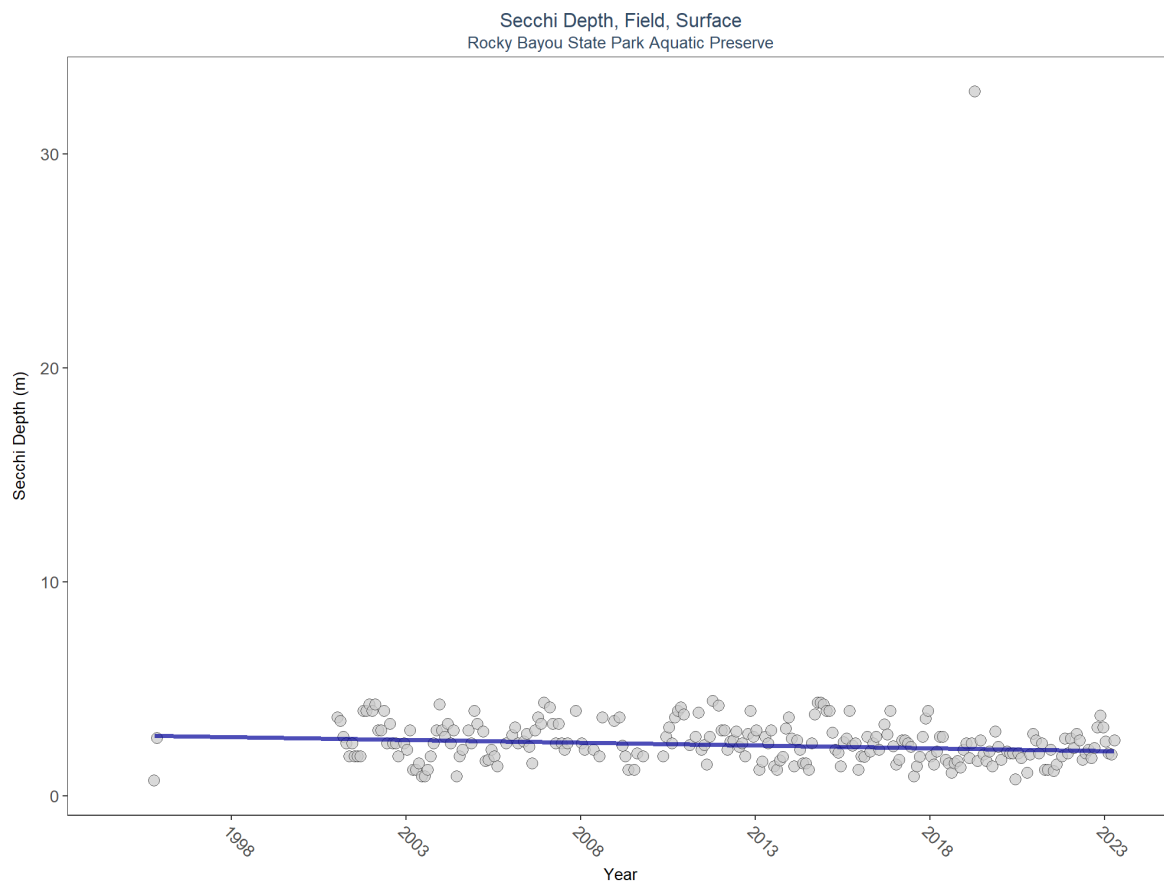


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	629	24	21.9	TRUE	-0.0237	0.5735	-0.03782895	21.25917	12.7244	0.3117	0

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

SennIntercept is intercept value at beginning of record for monitoring location

Secchi Depth

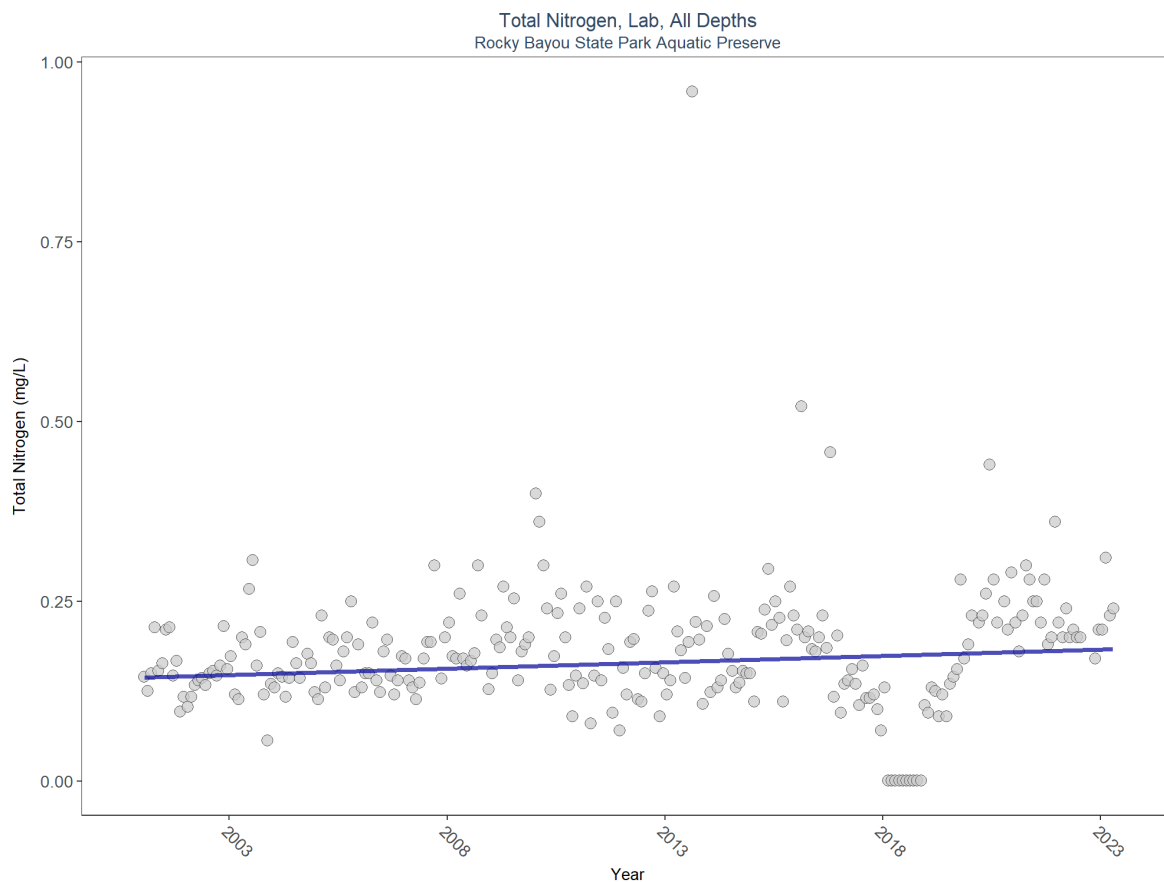


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
Surface	466	24	2.4384	TRUE	-0.161	0.0007	-0.0253996	2.820737	10.0642	0.5246	-1

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

SennIntercept is intercept value at beginning of record for monitoring location

Total Nitrogen

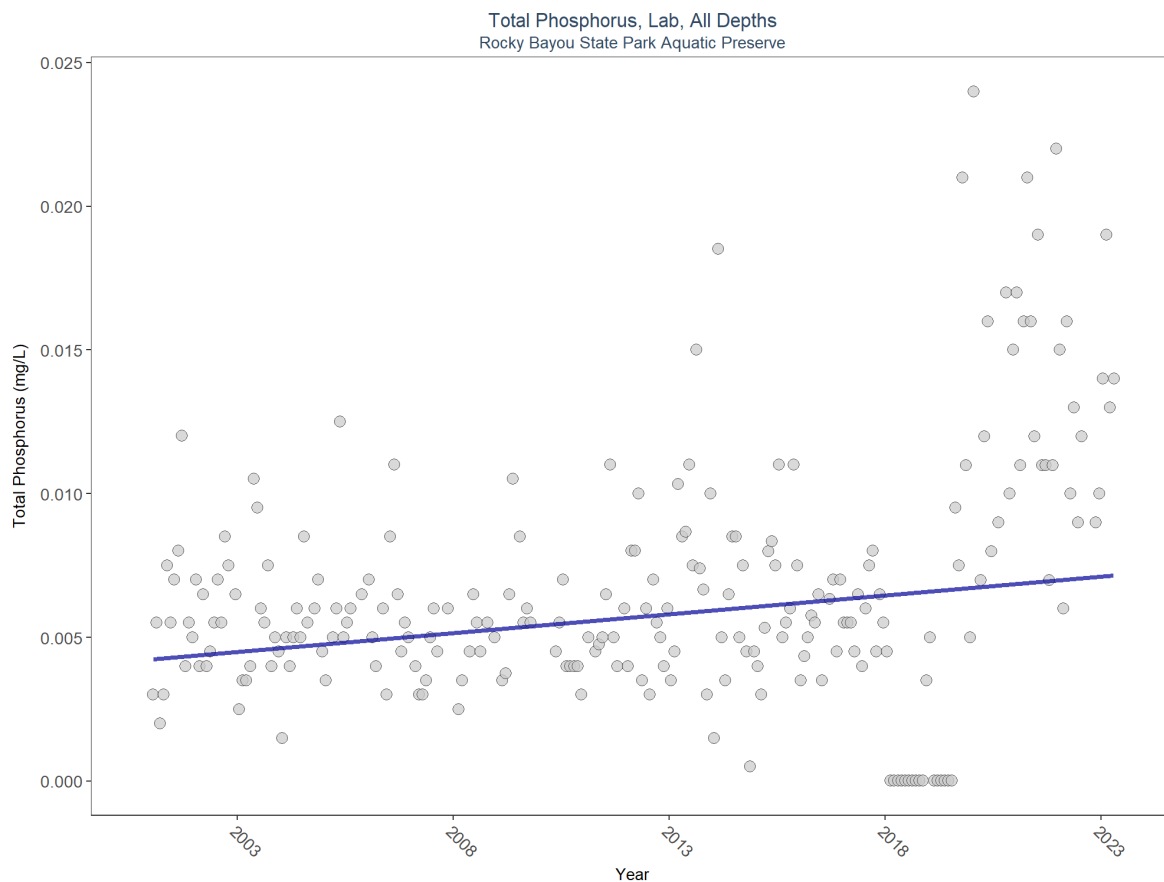


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	639	23	0.2	TRUE	0.1124	0.0107	0.001759953	0.1440696	7.0126	0.7981	1

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

SennIntercept is intercept value at beginning of
record for monitoring location

Total Phosphorus

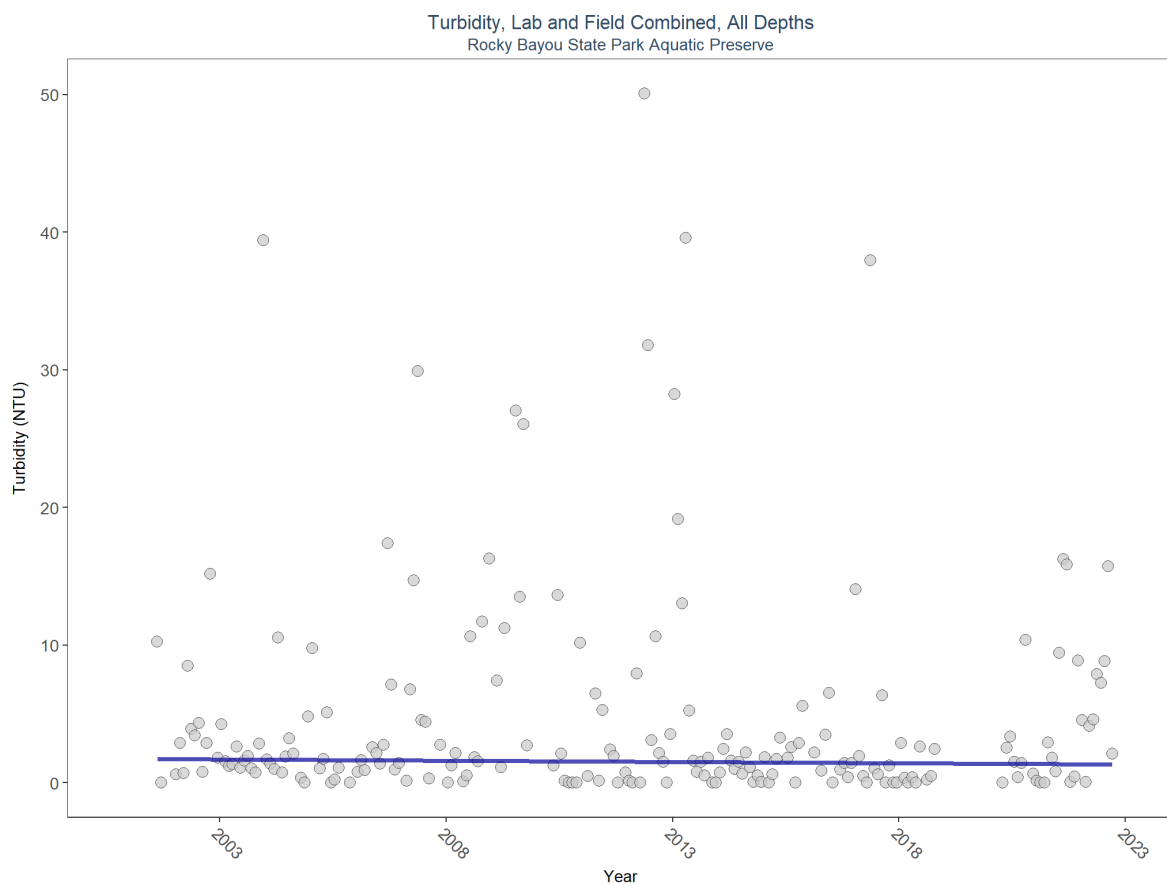


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	470	23	0.007	TRUE	0.1814	0.0001	0.0001311316	0.00423335	9.4687	0.5787	1

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

SennIntercept is intercept value at beginning of record for monitoring location

Turbidity

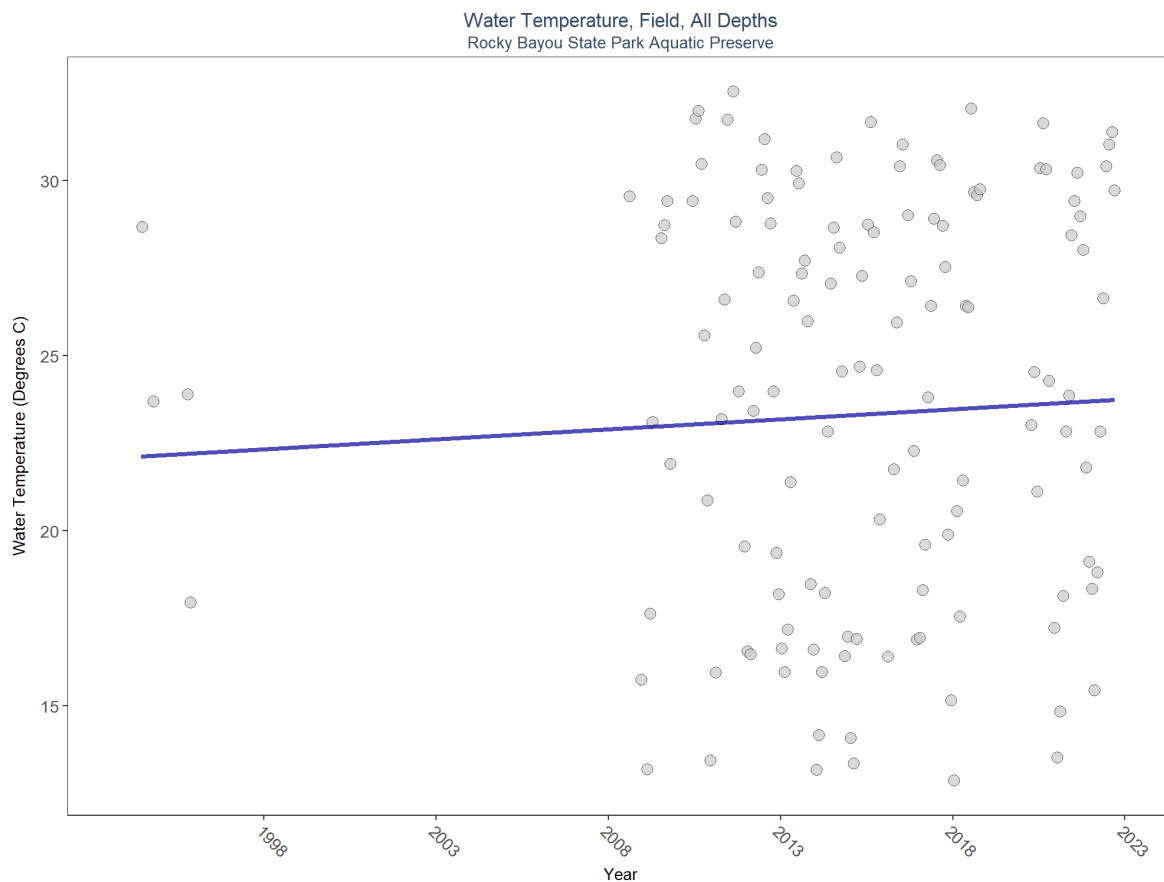


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	578	21	1.1	TRUE	-0.0628	0.2876	-0.01875	1.765625	8.6668	0.6526	0

$p < 0.00005$ 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	334	16	24.38885	TRUE	0.114	0.0708	0.056945	22.10367	14.9807	0.1834	0

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

SennIntercept is intercept value at beginning of record for monitoring location