

Nature Coast Aquatic Preserve
SEACAR Discrete Water Quality Analysis

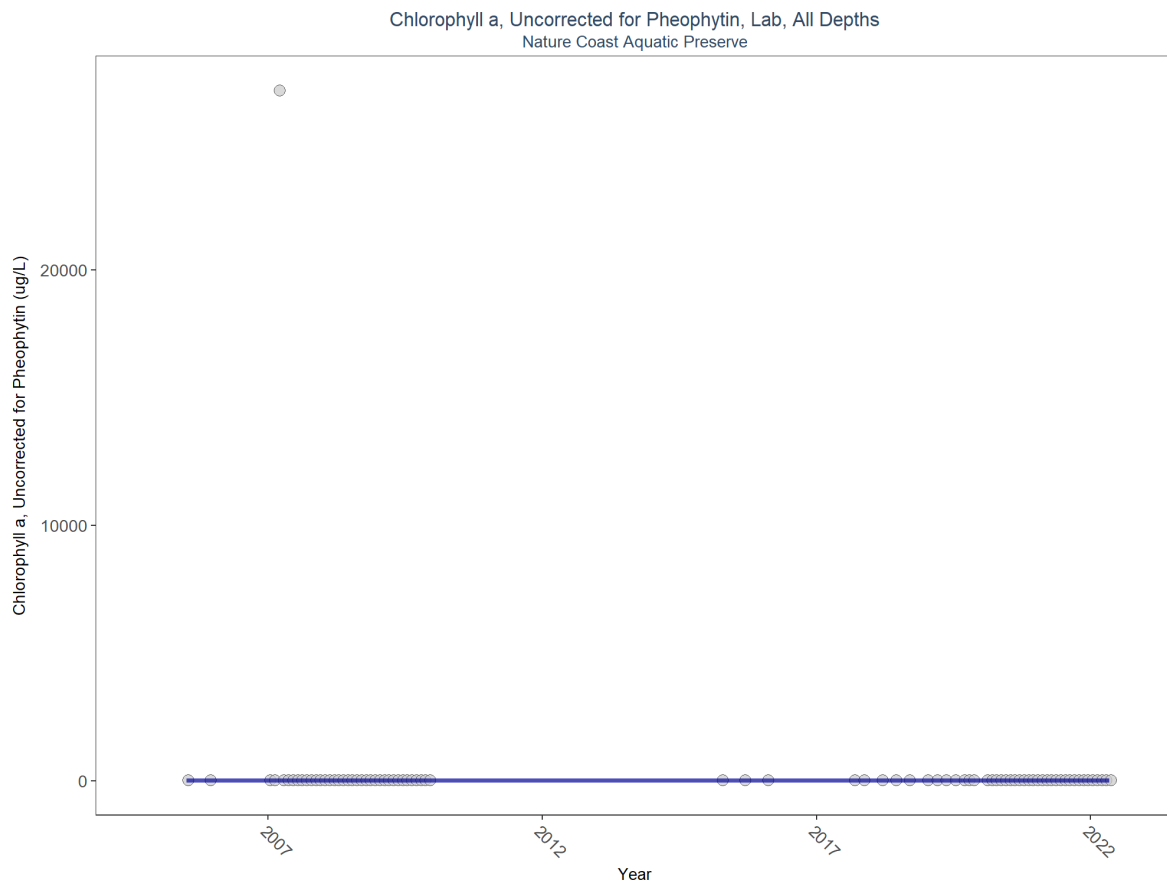
Last compiled on 26 June, 2024

Contents

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

Parameters

Chlorophyll a, Uncorrected for Pheophytin

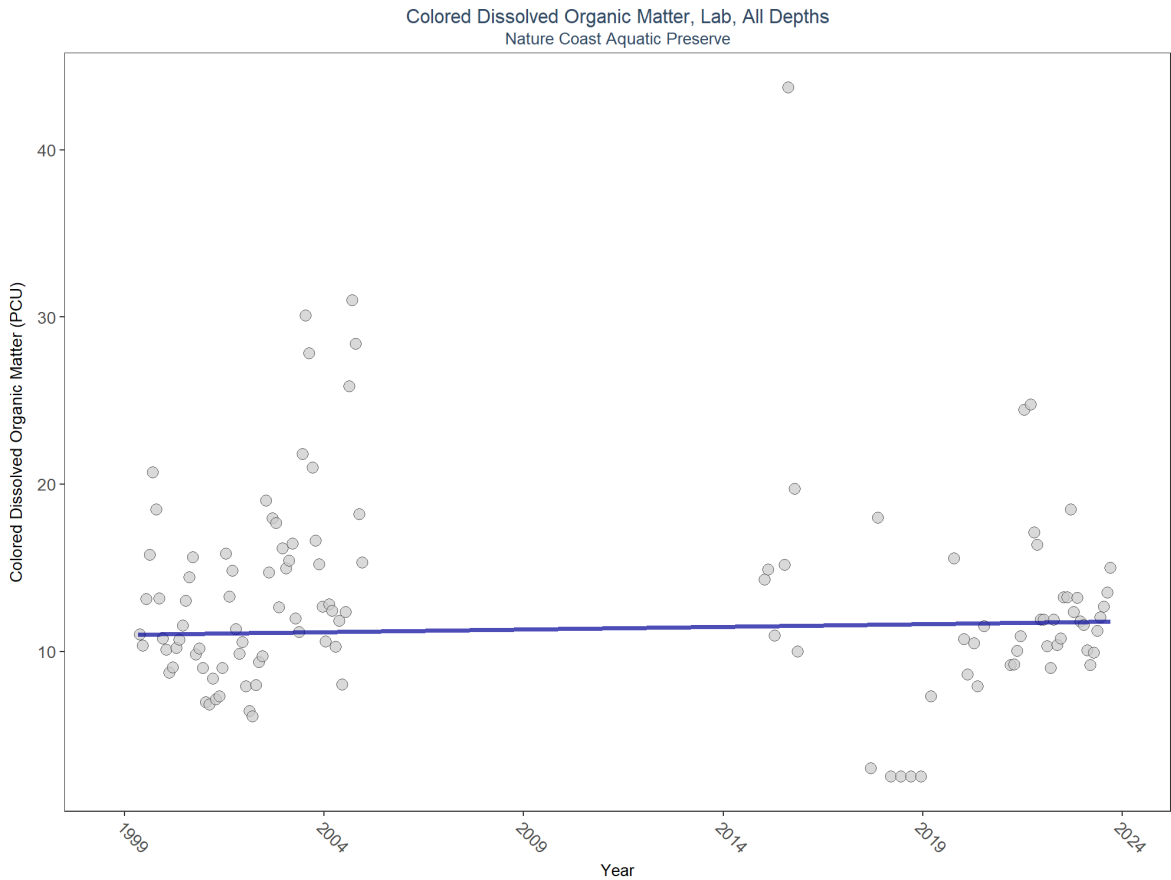


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	2618	12	1	TRUE	0.0494	0.5057	0.006741907	1.551648	8.6062	0.6582	0

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

SennIntercept is intercept value at beginning of record for monitoring location

Colored Dissolved Organic Matter

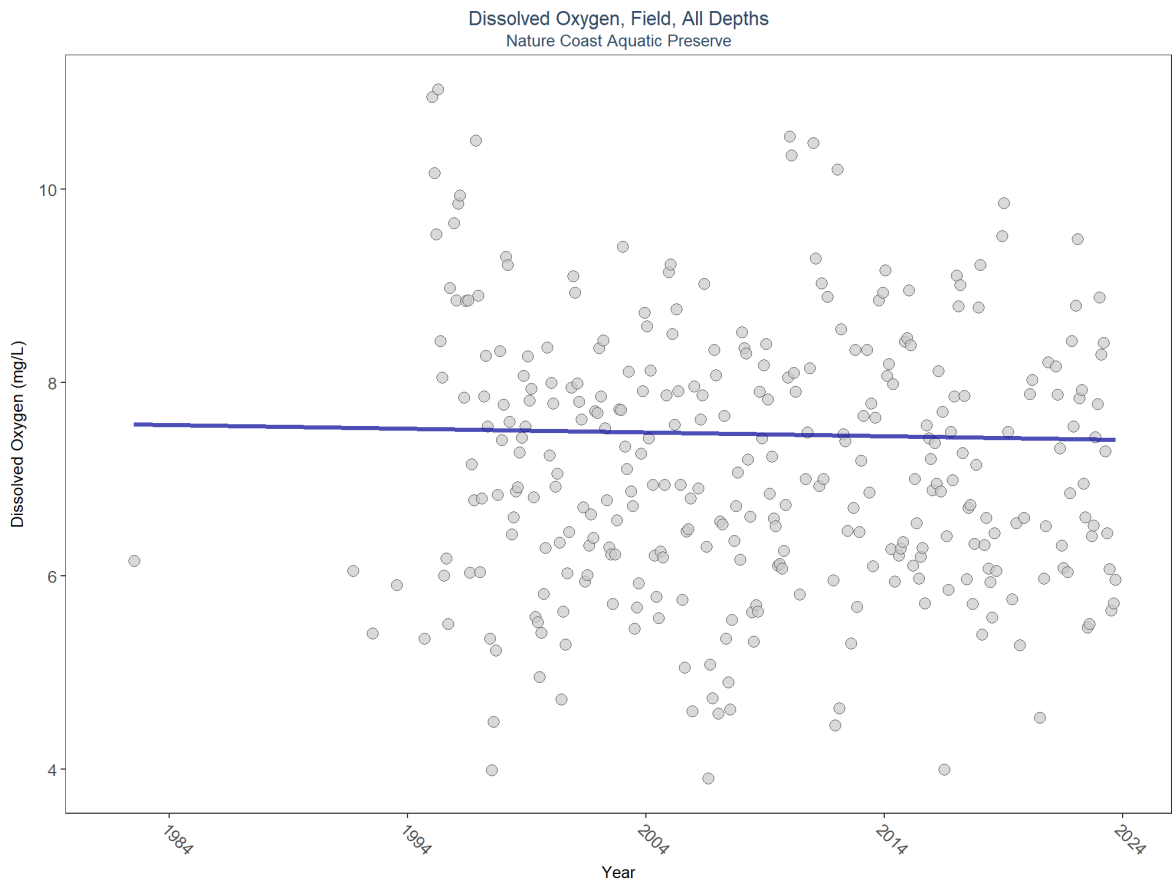


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	4394	14	10.2	TRUE	0.0966	0.2168	0.03111774	11.01554	3.2709	0.9866	0

p < 0.00005 appear as 0 due to rounding.

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

Dissolved Oxygen

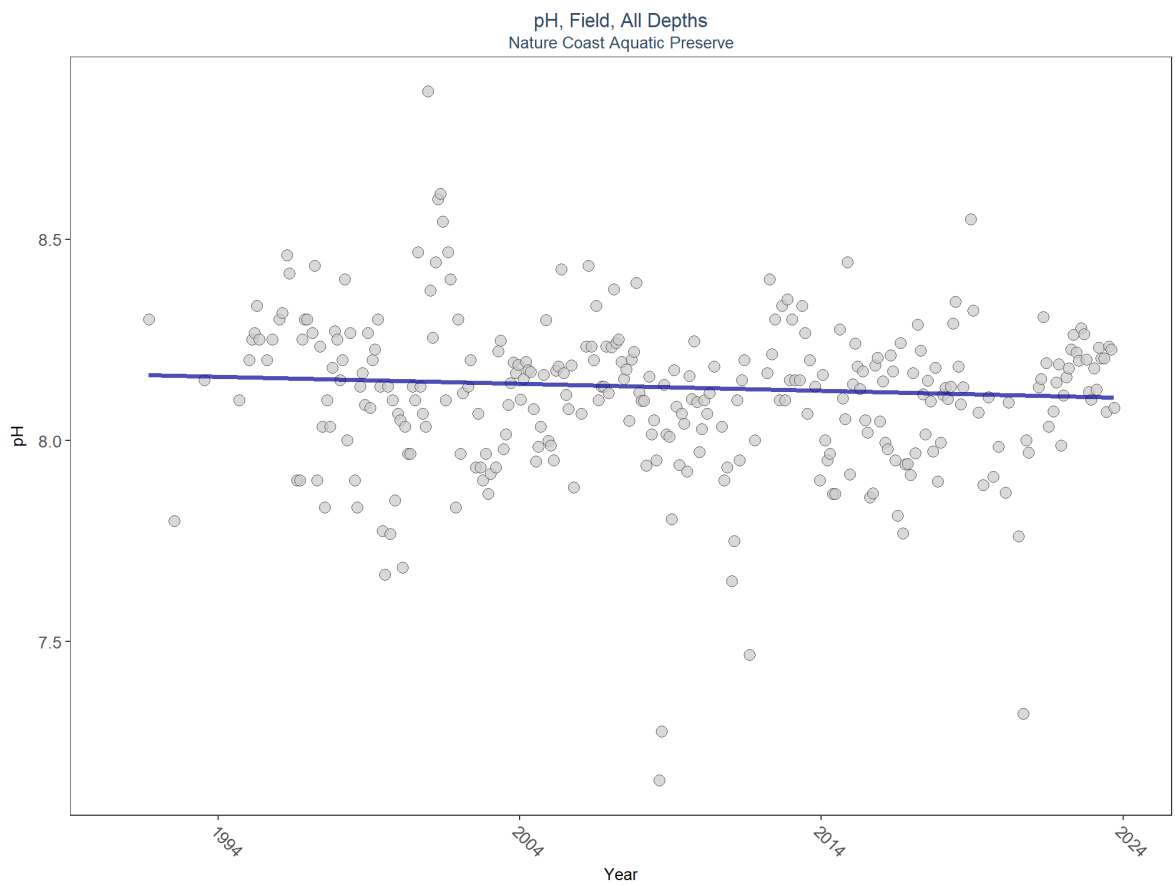


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	8034	34	7.06	TRUE	-0.0236	0.5645	-0.003834009	7.569086	8.3034	0.6859	0

p < 0.00005 appear as 0 due to rounding.

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

pH

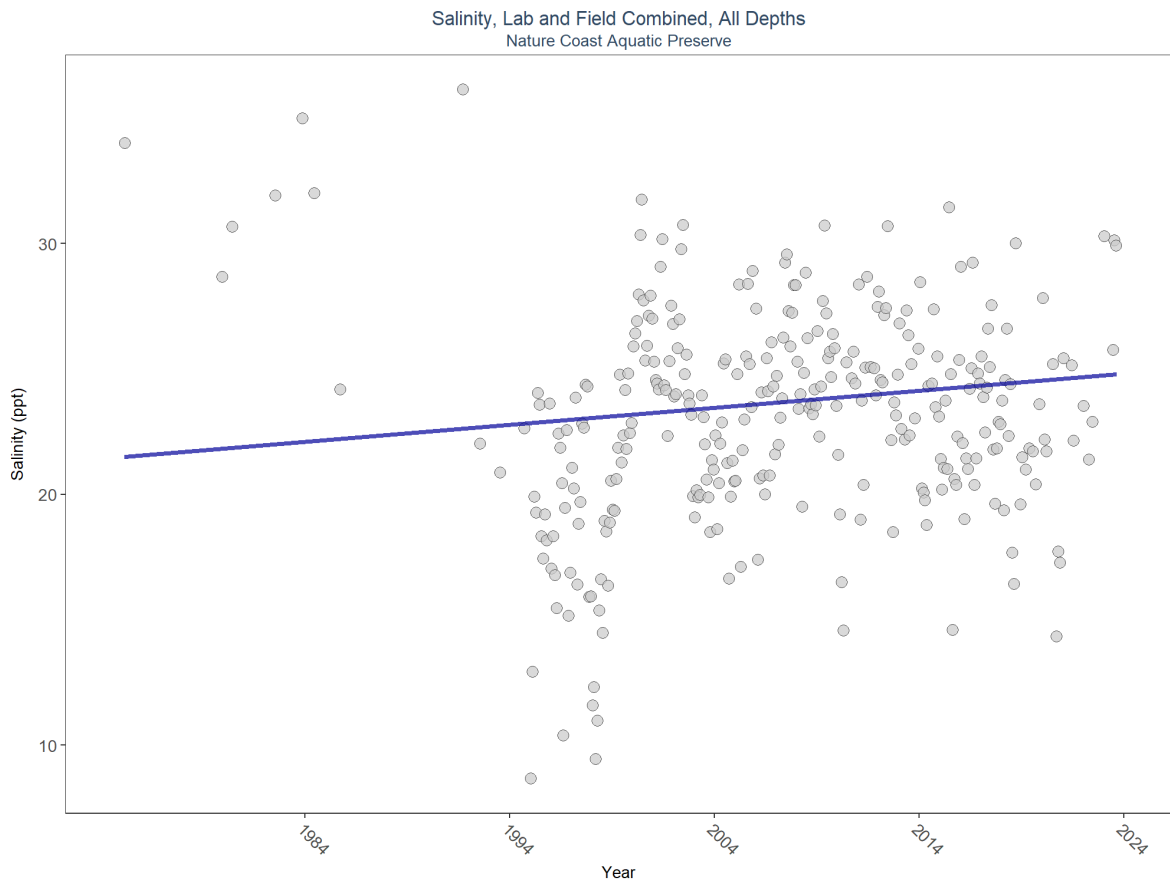


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	5491	33	8.16	TRUE	-0.0567	0.1739	-0.00175105	8.164598	17.8823	0.0844	0

p < 0.00005 appear as 0 due to rounding.

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

Salinity

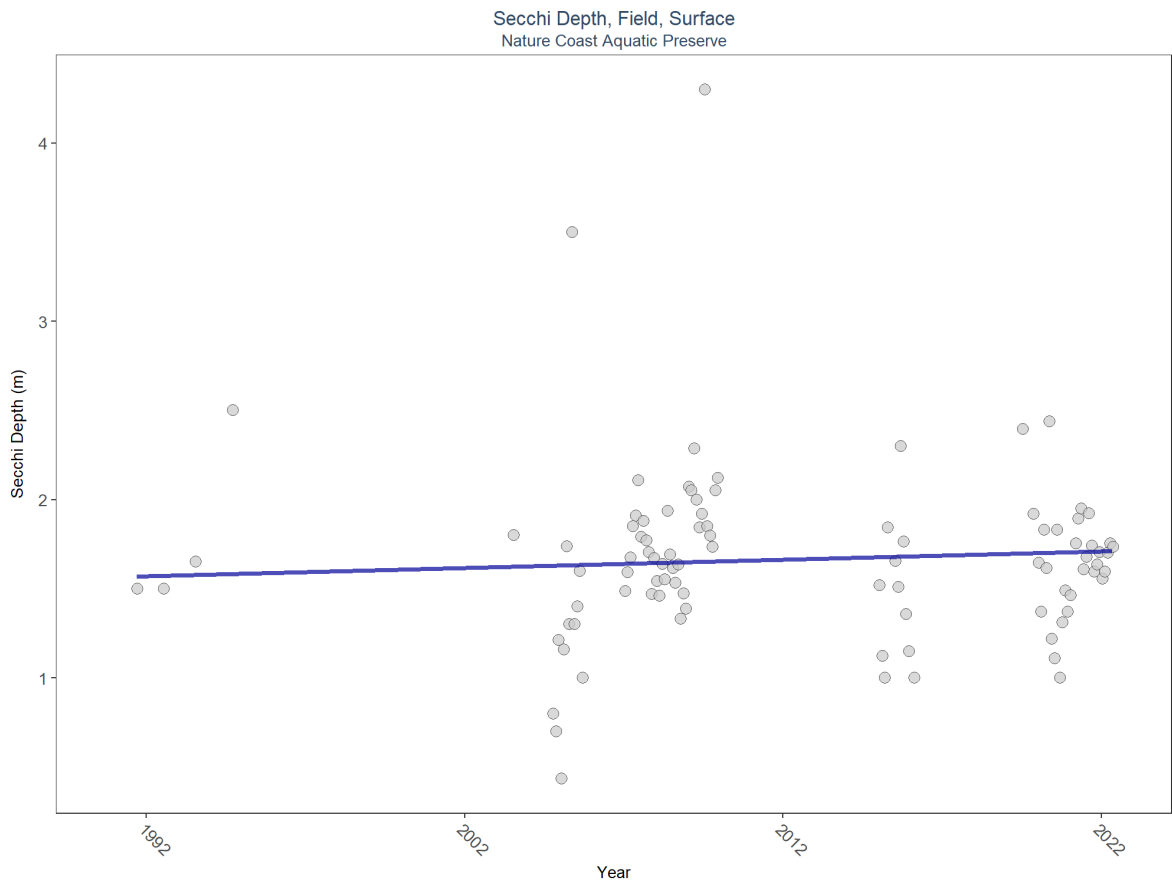


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	7177	40	24.1	TRUE	0.0881	0.0249	0.0681192	21.48119	13.8707	0.2402	1

p < 0.00005 appear as 0 due to rounding.

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

Secchi Depth

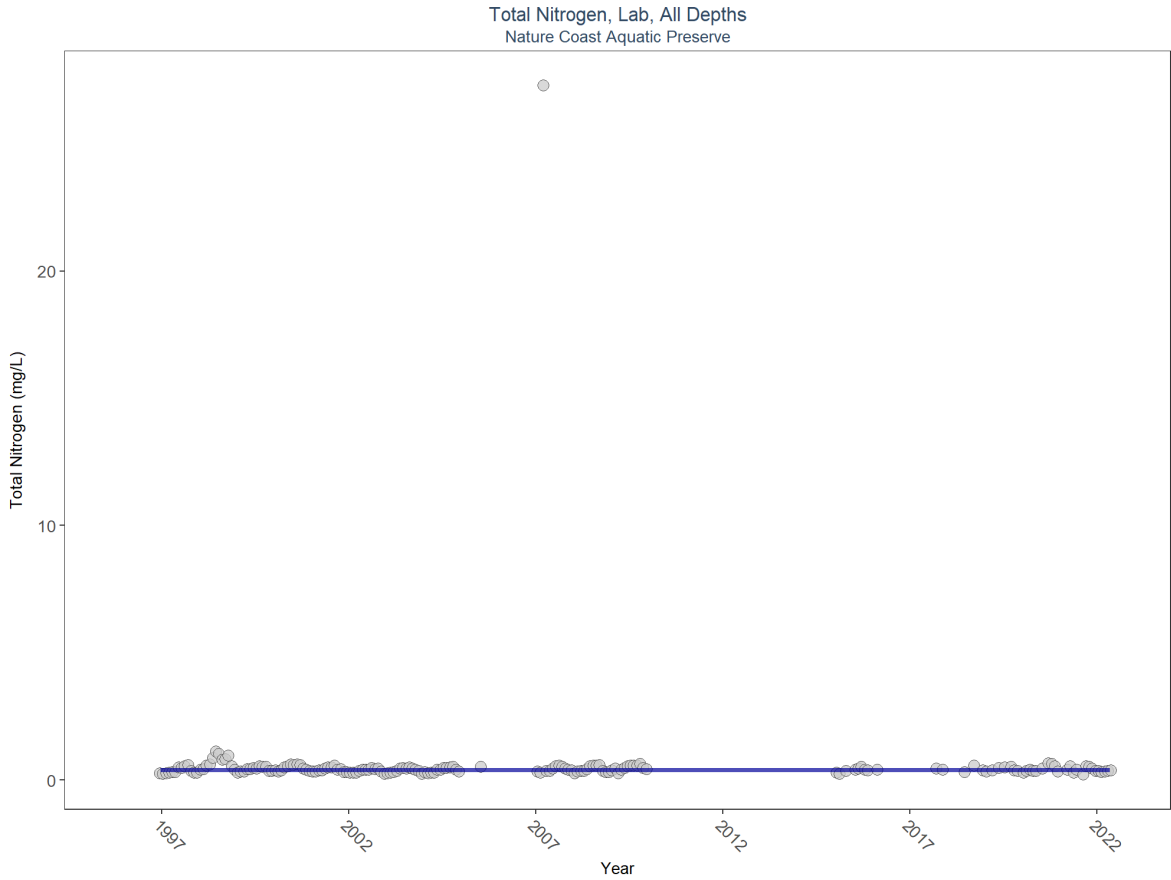


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
Surface	2861	16	1.6	TRUE	0.098	0.2259	0.004643167	1.564871	5.1657	0.9229	0

p < 0.00005 appear as 0 due to rounding.

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

Total Nitrogen

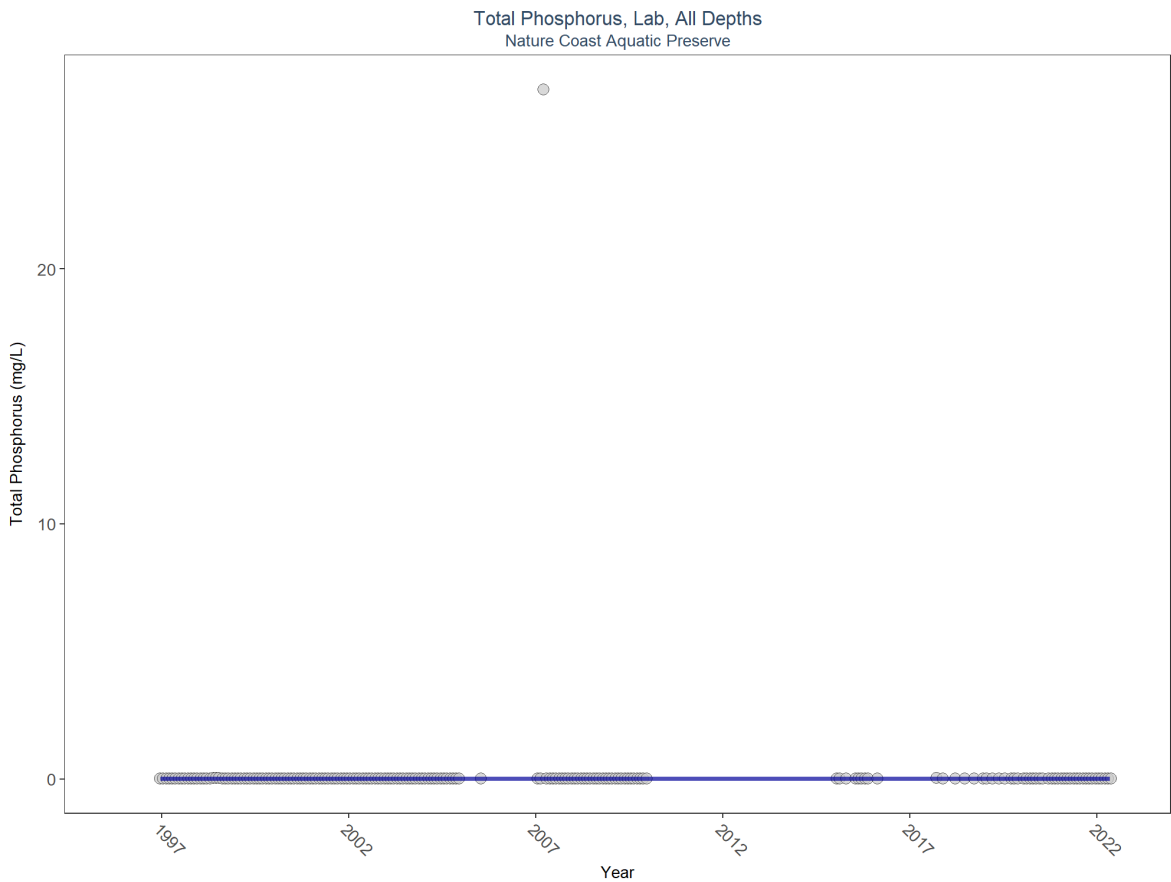


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	5015	21	0.39	TRUE	-0.0319	0.6993	-0.0002681849	0.4068392	11.3933	0.4109	0

p < 0.00005 appear as 0 due to rounding.

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

Total Phosphorus

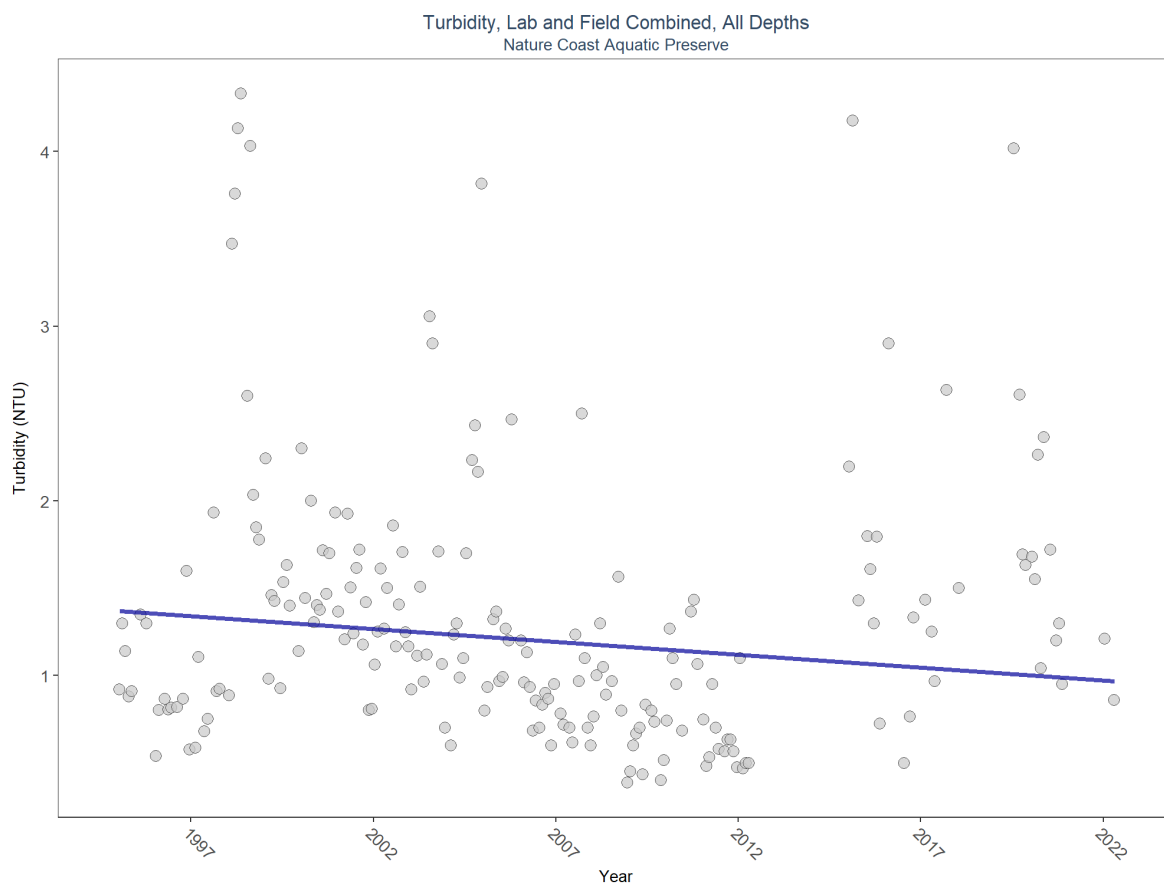


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	5362	21	0.009	TRUE	-0.1091	0.0739	-0.00006585425	0.01191611	14.9787	0.1835	0

p < 0.00005 appear as 0 due to rounding.

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

Turbidity

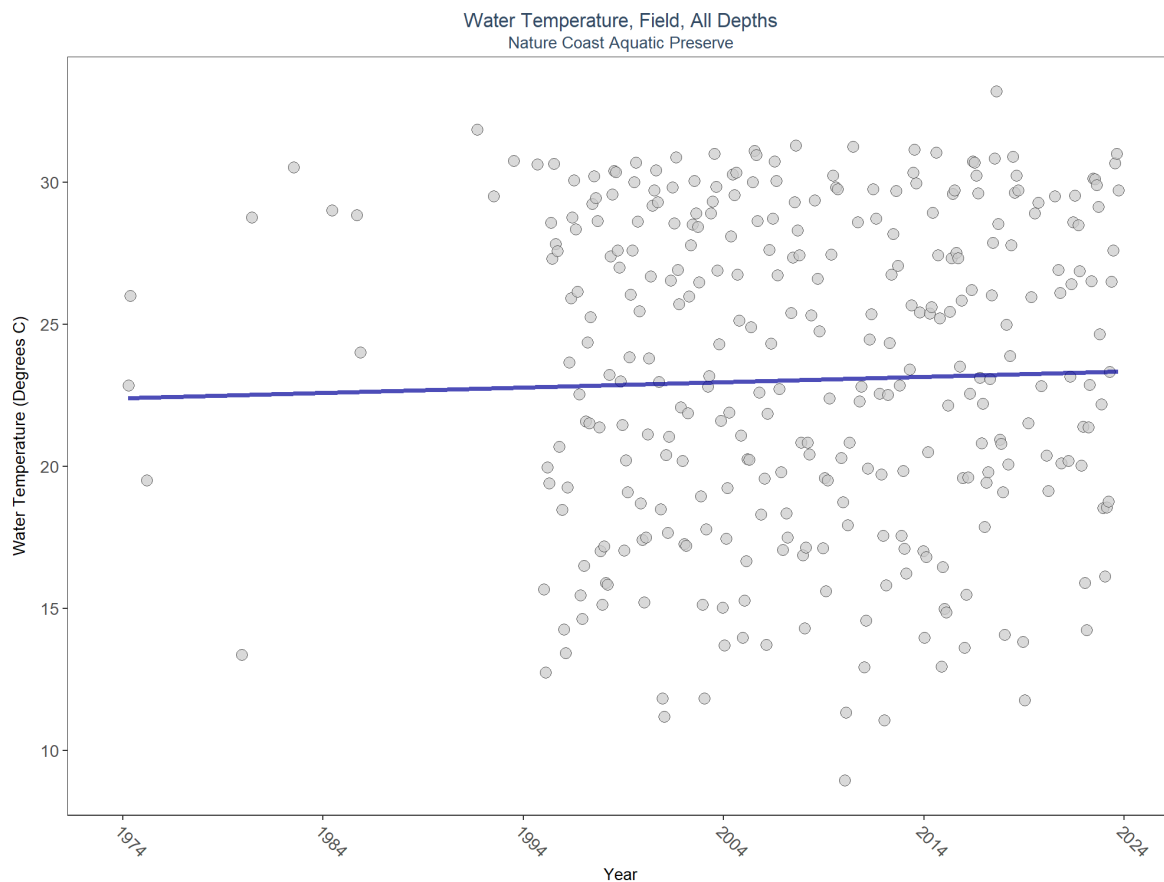


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	1123	25	1	TRUE	-0.1573	0.0091	-0.01469444	1.370051	9.5016	0.5757	-1

$p < 0.00005$ 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	7071	40	24.45	TRUE	0.073	0.0776	0.01923077	22.38718	6.6017	0.8304	0

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

SennIntercept is intercept value at beginning of record for monitoring location