

Cape Romano-Ten Thousand Islands Aquatic Preserve

SEACAR Discrete Water Quality Analysis

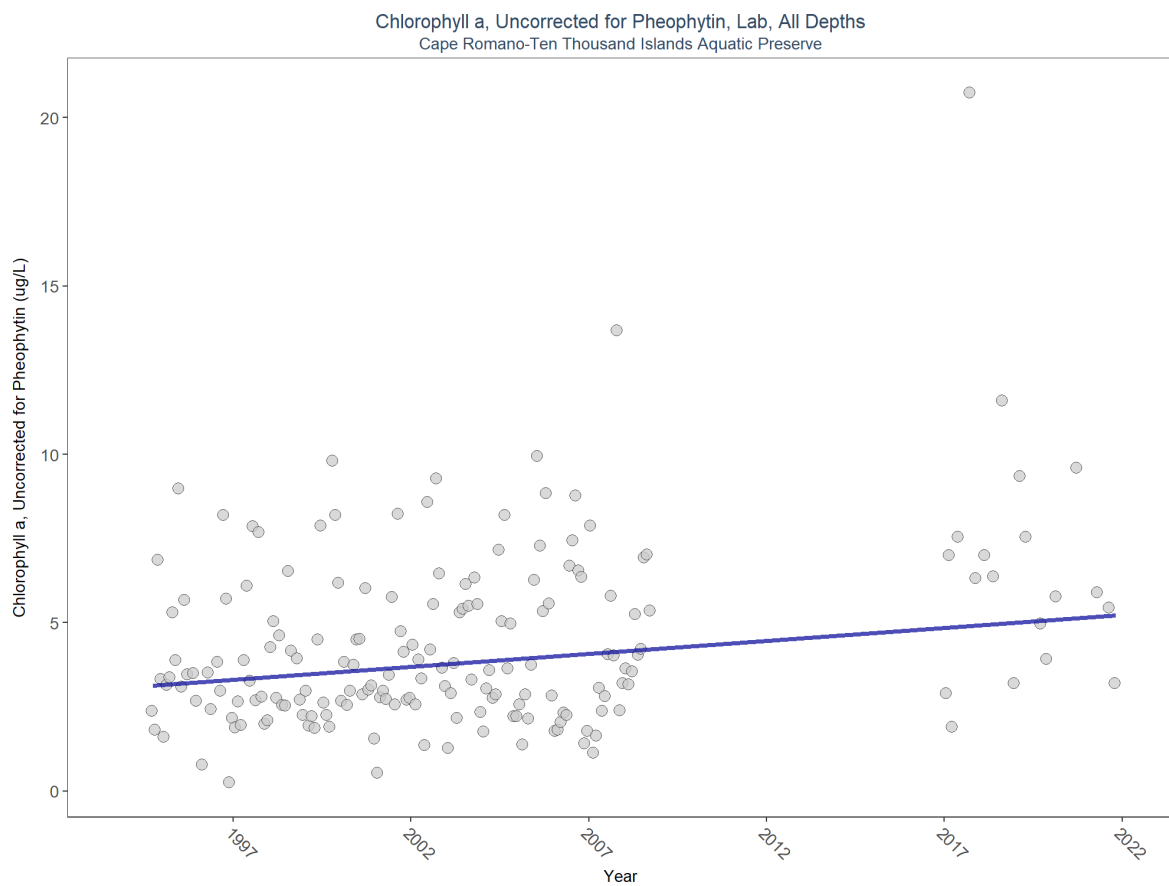
Last compiled on 26 June, 2024

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Parameters

Chlorophyll a, Uncorrected for Pheophytin

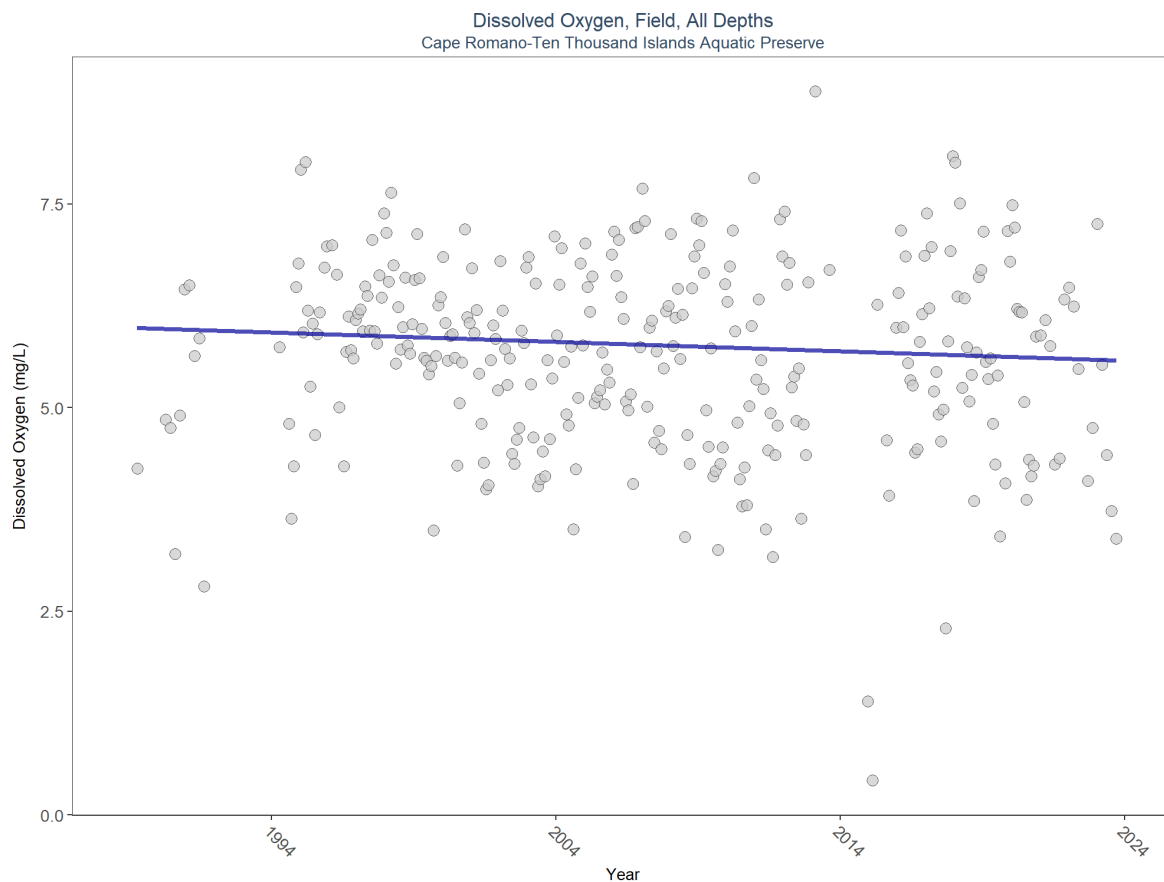


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	1620	20	3.2344	TRUE	0.1619	0.0024	0.07734062	3.068897	8.4089	0.6763	1

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

SennIntercept is intercept value at beginning of
record for monitoring location

Dissolved Oxygen

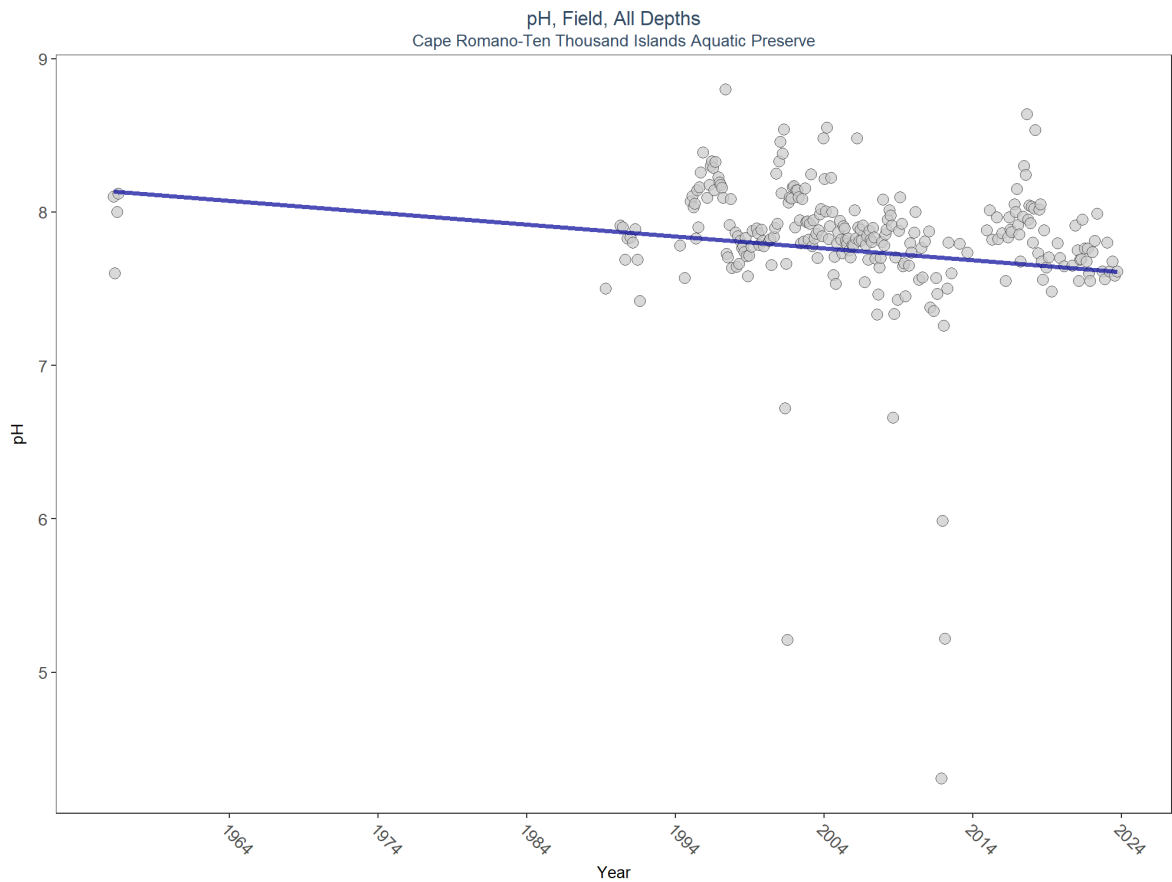


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	10010	33	5.8	TRUE	-0.0746	0.0650	-0.01152476	5.980721	13.0475	0.2902	0

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

SennIntercept is intercept value at beginning of record for monitoring location

pH

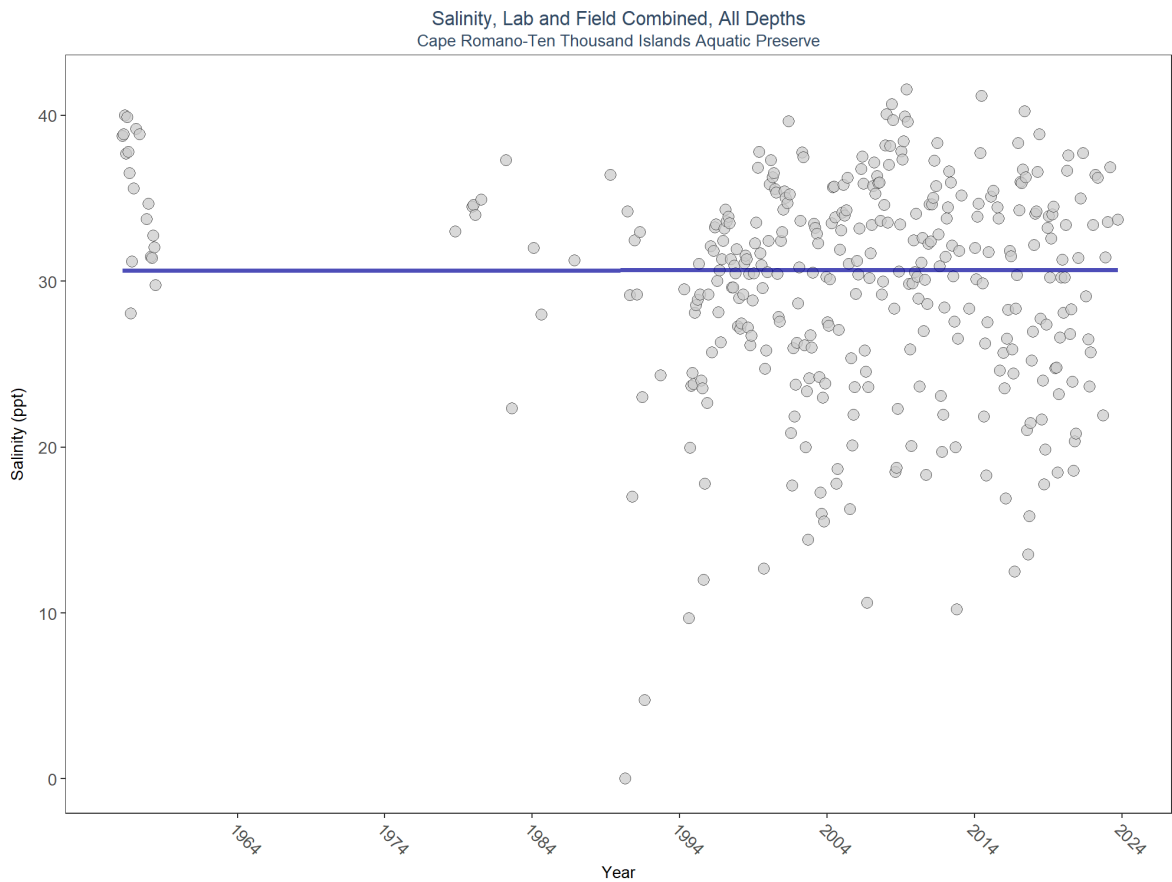


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	4208	34	7.9	TRUE	-0.2085	0.0000	-0.007758344	8.136432	16.0185	0.1404	-1

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

SennIntercept is intercept value at beginning of record for monitoring location

Salinity

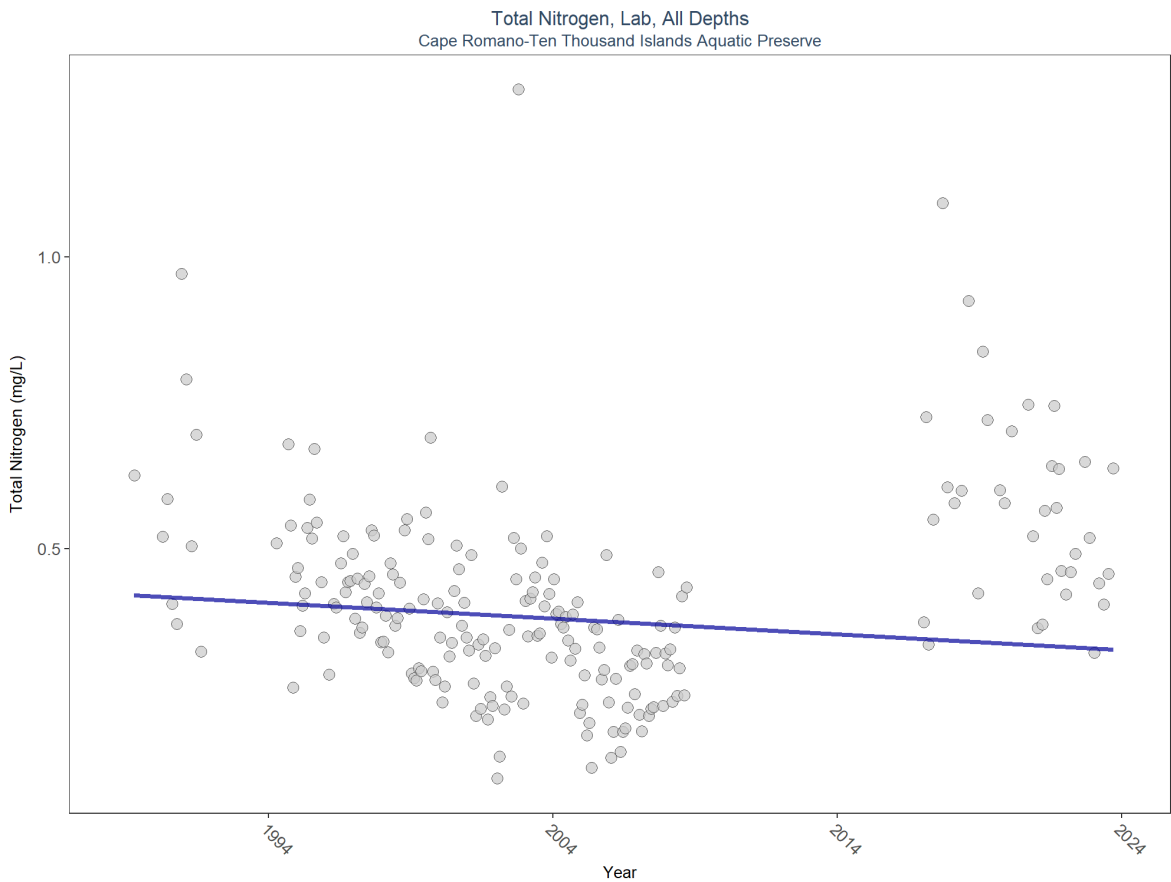


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	10916	43	31.9	TRUE	0.0004	0.9748	0.0003939138	30.64712	10.8597	0.4551	0

p < 0.00005 appear as 0 due to rounding.

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

Total Nitrogen

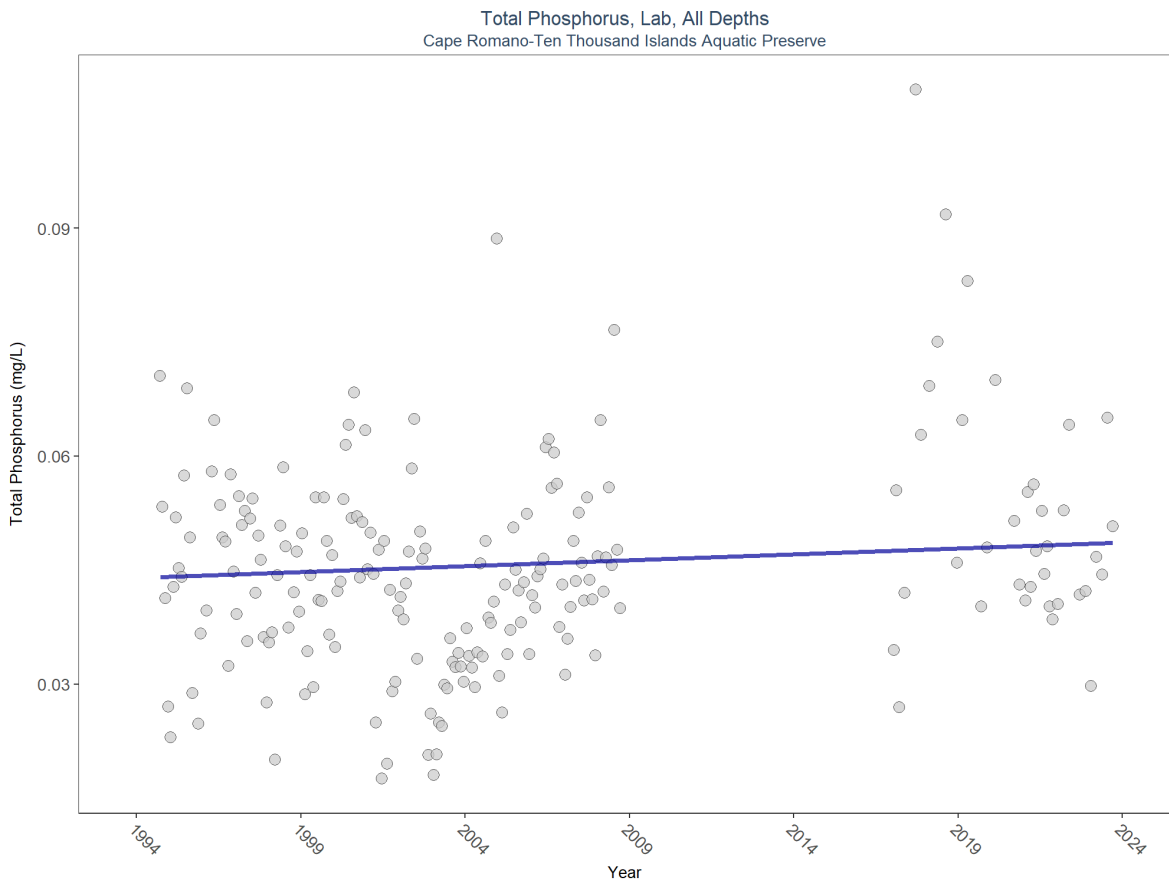


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	1808	25	0.36905	TRUE	-0.1059	0.0724	-0.002697018	0.4203379	20.5311	0.0386	0

p < 0.00005 appear as 0 due to rounding.

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

Total Phosphorus

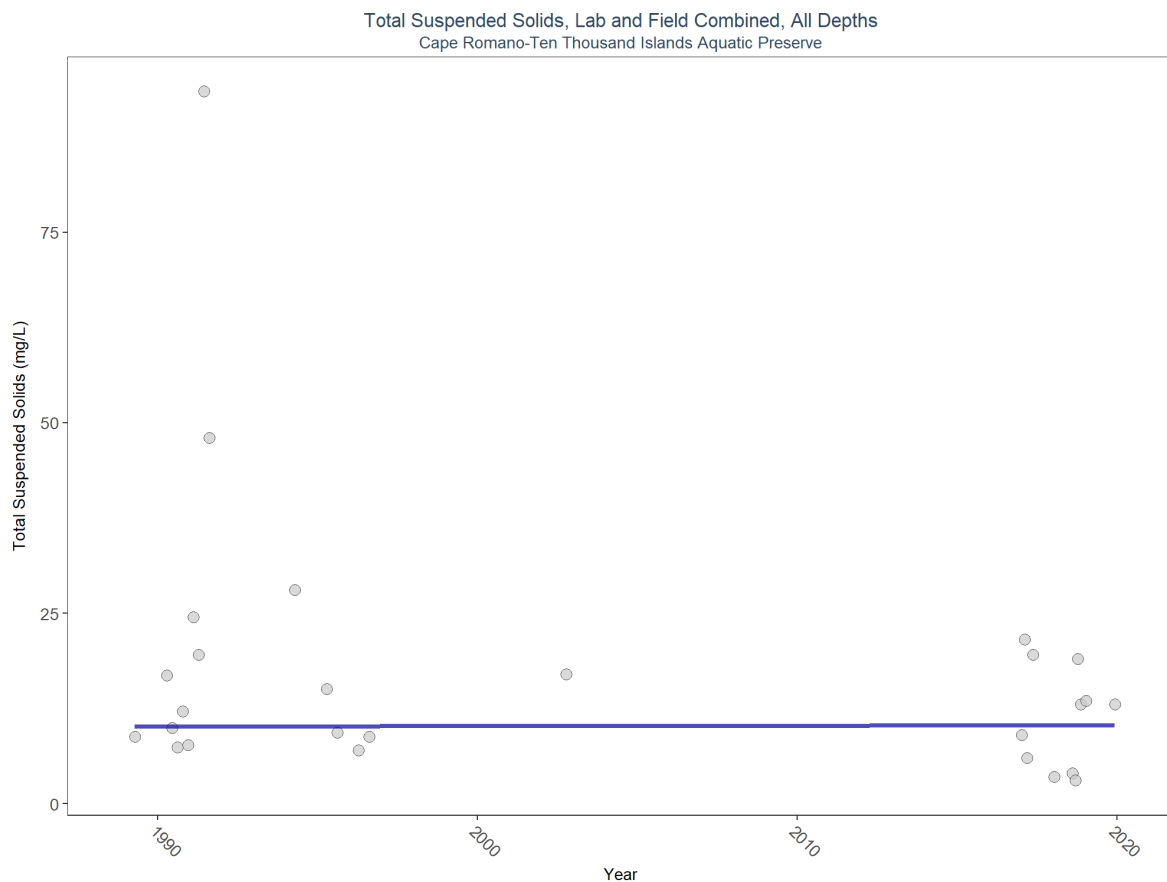


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	1796	22	0.0417	TRUE	0.0693	0.1468	0.000155	0.04400495	5.0564	0.9284	0

p < 0.00005 appear as 0 due to rounding.

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

Total Suspended Solids

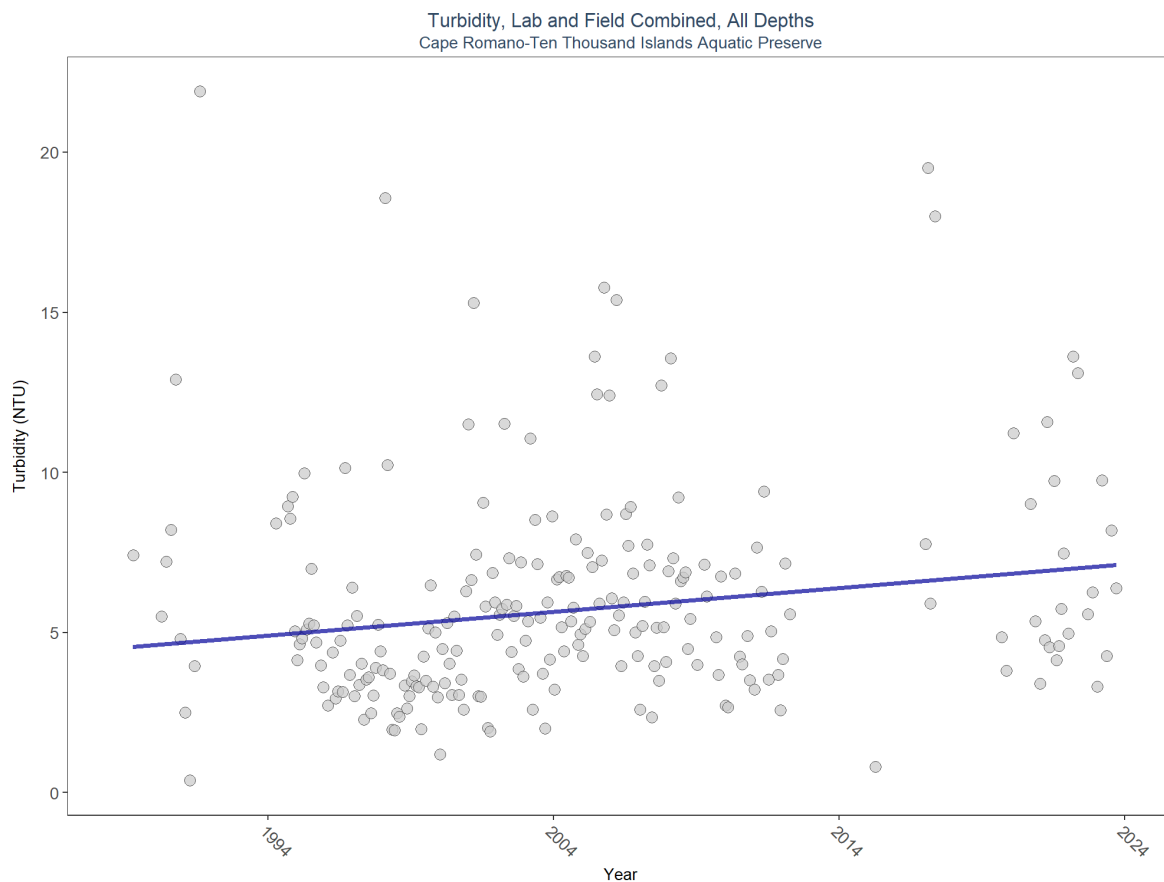


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	55	10	13	TRUE	0.1565	1.0000	0.004807692	10.1502	6.1952	0.4017	0

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

SennIntercept is intercept value at beginning of record for monitoring location

Turbidity

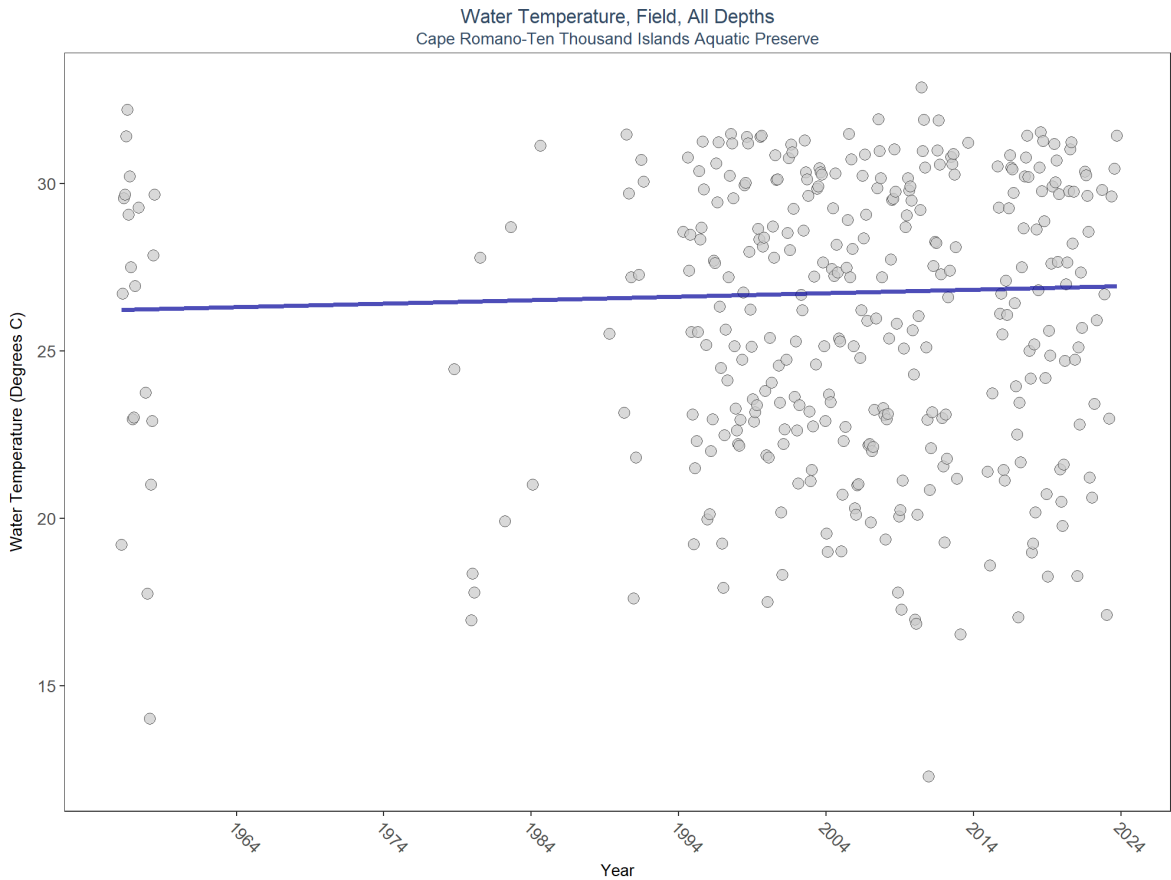


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	4886	29	4.0825	TRUE	0.1403	0.0026	0.07454068	4.534105	11.4005	0.4103	1

$p < 0.00005$ 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	10525	41	26.8	TRUE	0.0563	0.1216	0.01054975	26.22288	14.4658	0.2083	0

p < 0.00005 appear as 0 due to rounding.

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