

# Estero Bay Aquatic Preserve

## SEACAR Discrete Water Quality Analysis

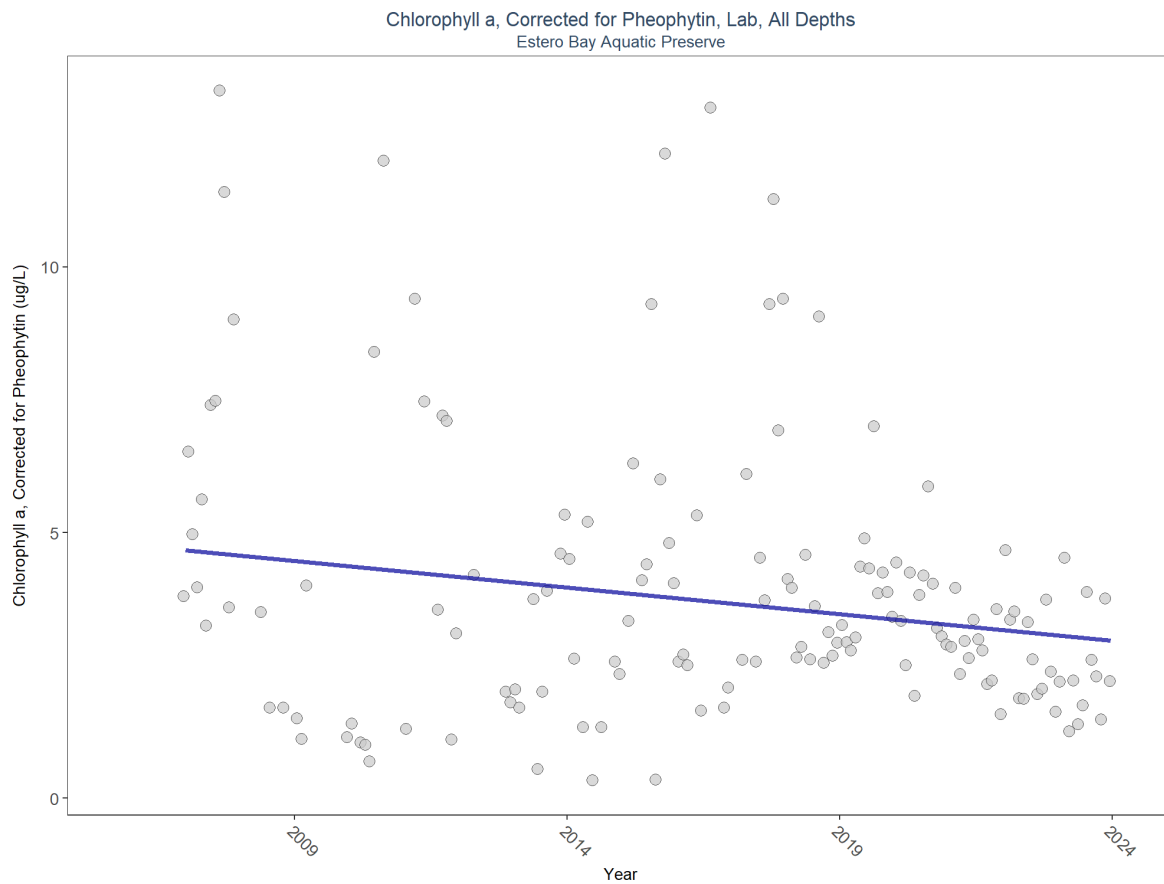
Last compiled on 26 June, 2024

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## Parameters

### Chlorophyll a, Corrected for Pheophytin

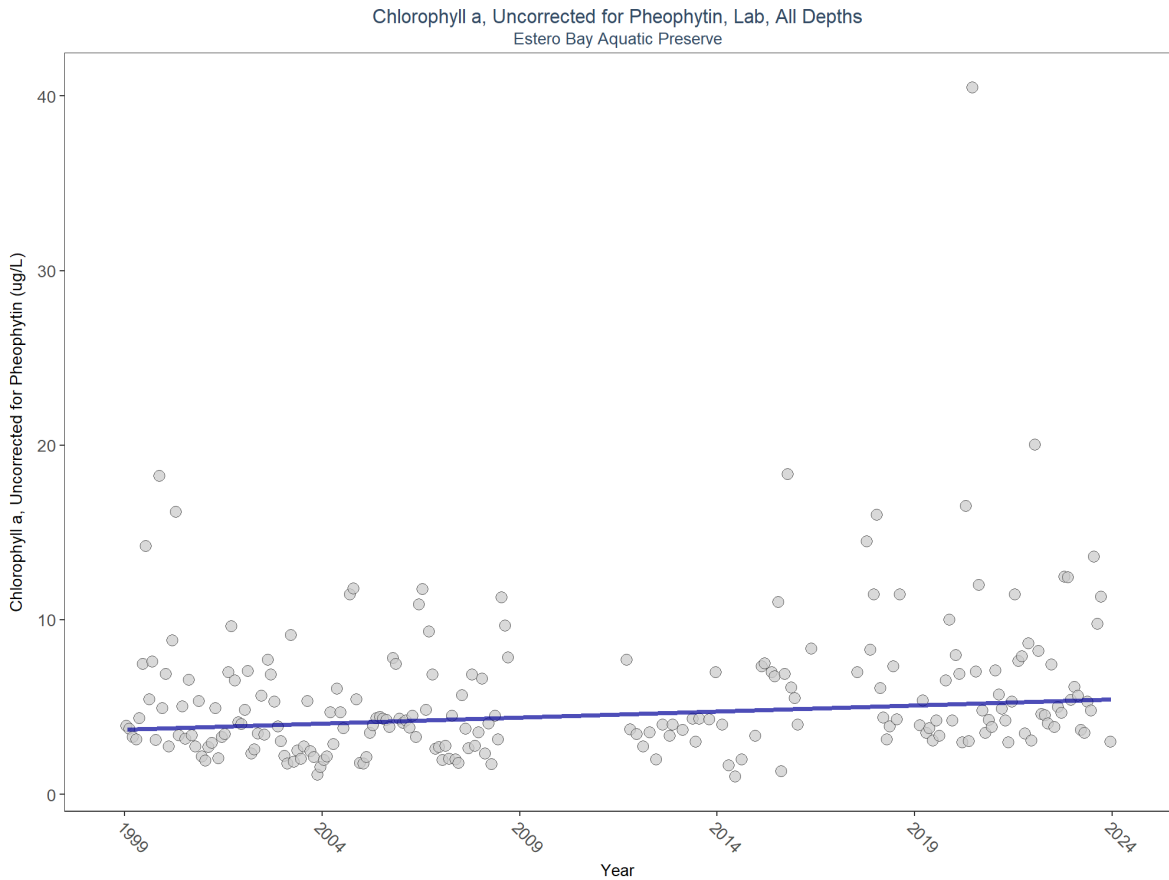


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	1912	18	2.585	TRUE	-0.1214	0.0673	-0.1	4.768011	17.7216	0.0883	0

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

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

# Chlorophyll a, Uncorrected for Pheophytin

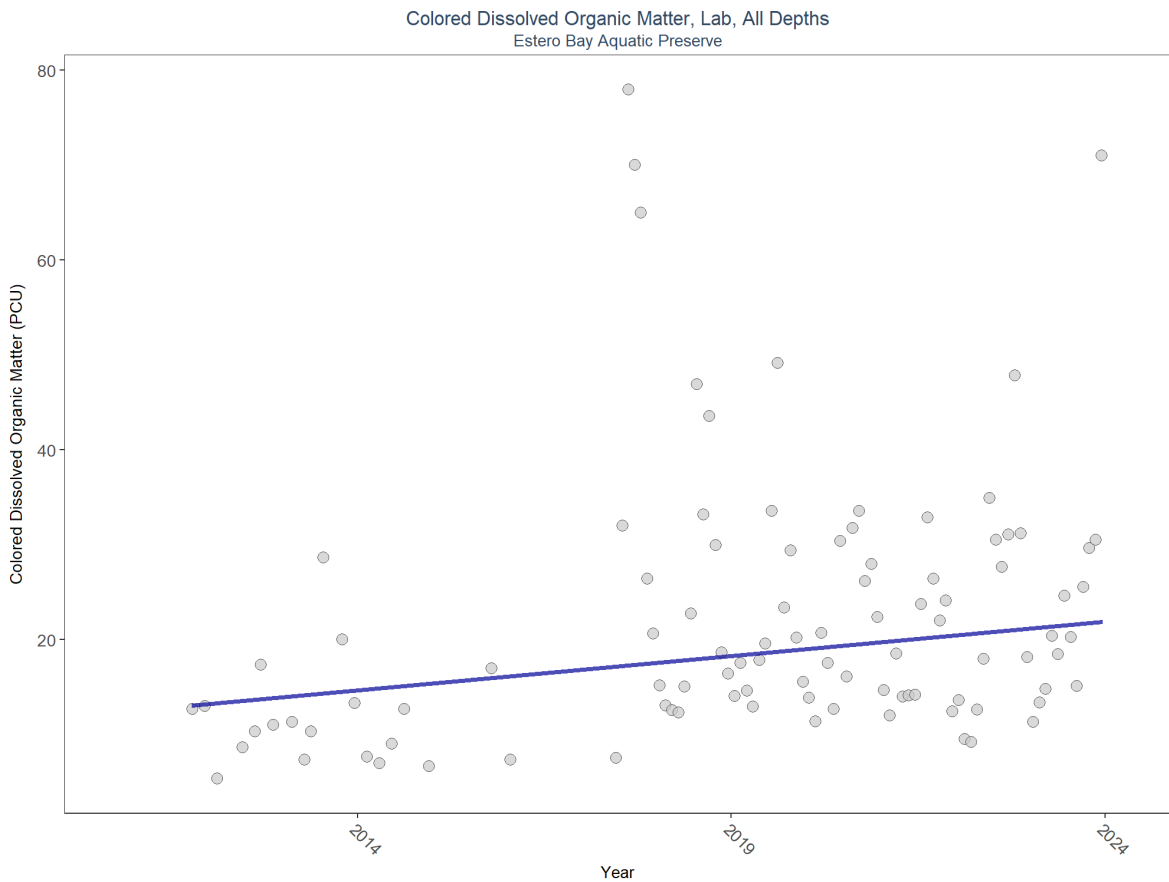


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	896	23	4.1	TRUE	0.1709	0.0006	0.06916524	3.699996	7.1386	0.7878	1

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

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

# Colored Dissolved Organic Matter

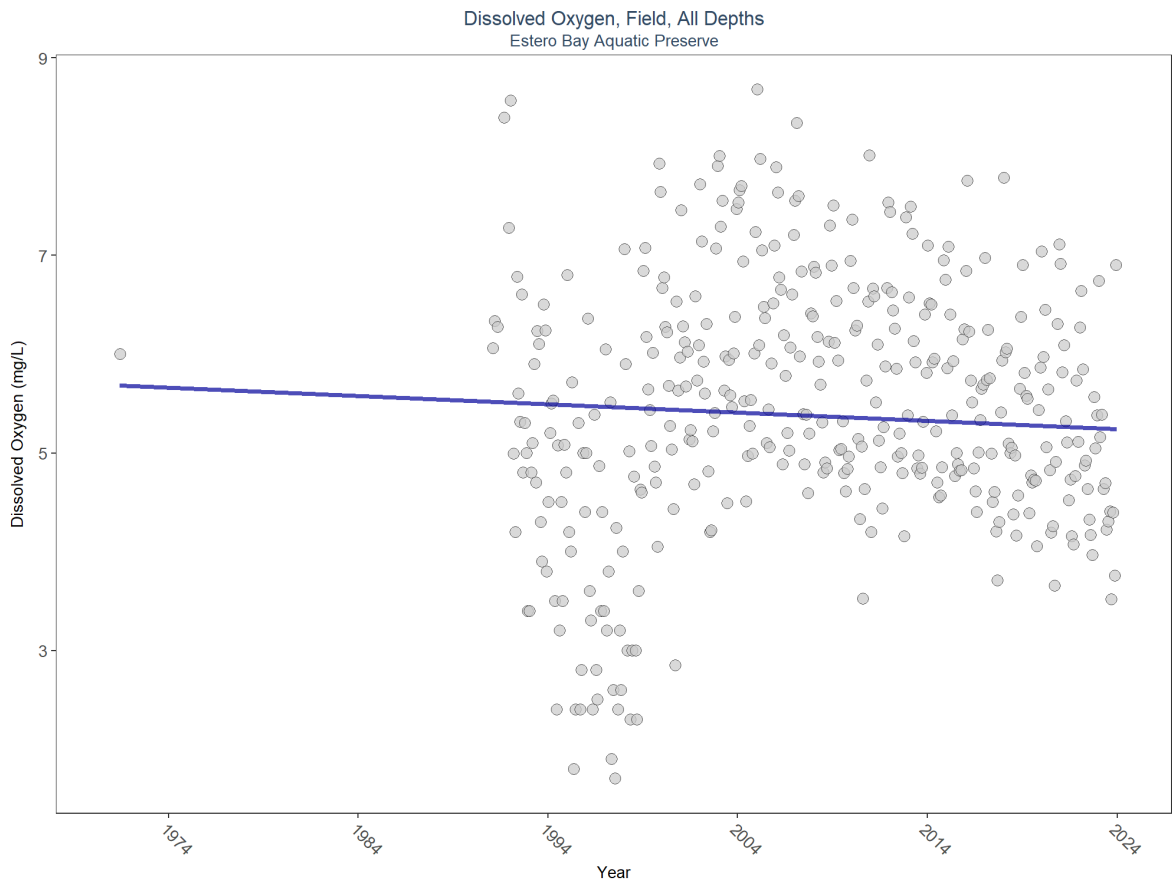


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	1636	13	14.2	TRUE	0.2574	0.0011	0.7266524	12.47818	17.1589	0.1033	1

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

SennIntercept is intercept value at beginning of record for monitoring location

Dissolved Oxygen

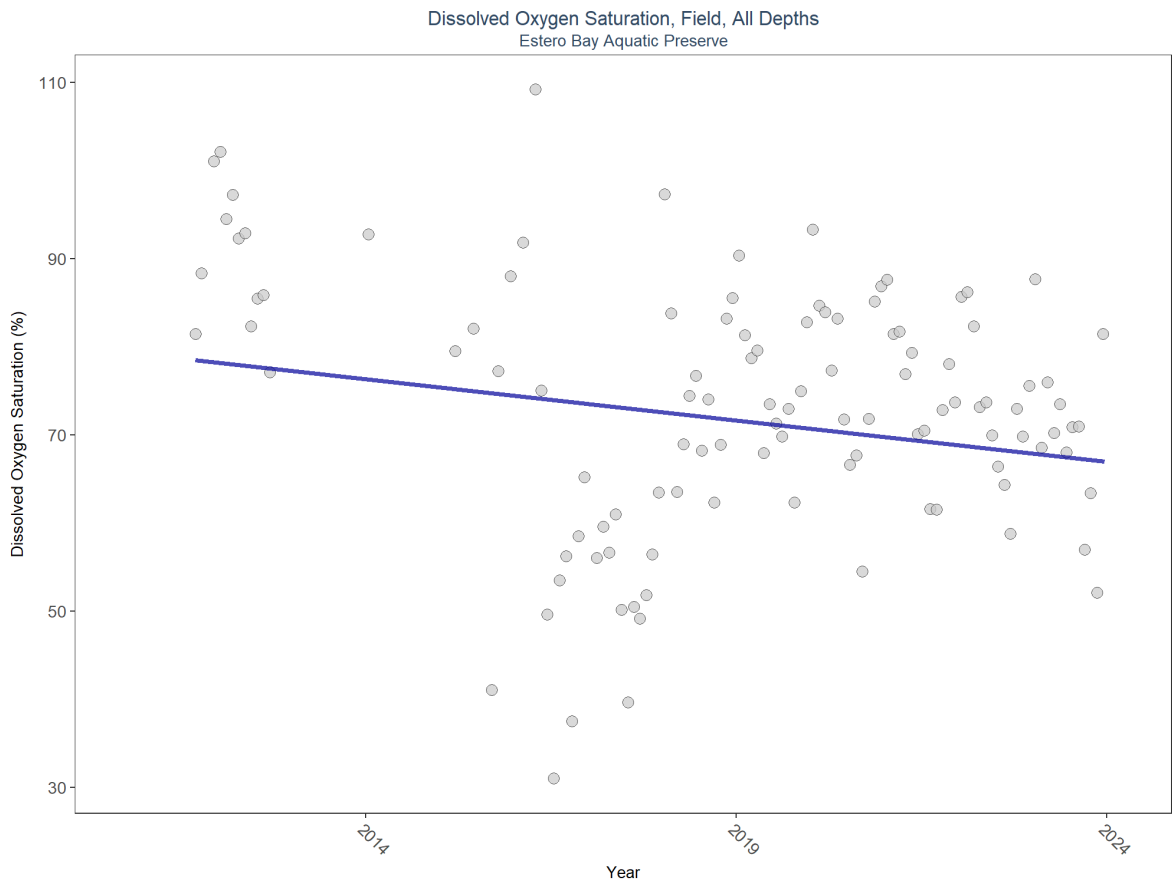


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	10602	34	5.8	TRUE	-0.0593	0.1038	-0.008397731	5.684275	12.8516	0.3031	0

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

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

# Dissolved Oxygen Saturation

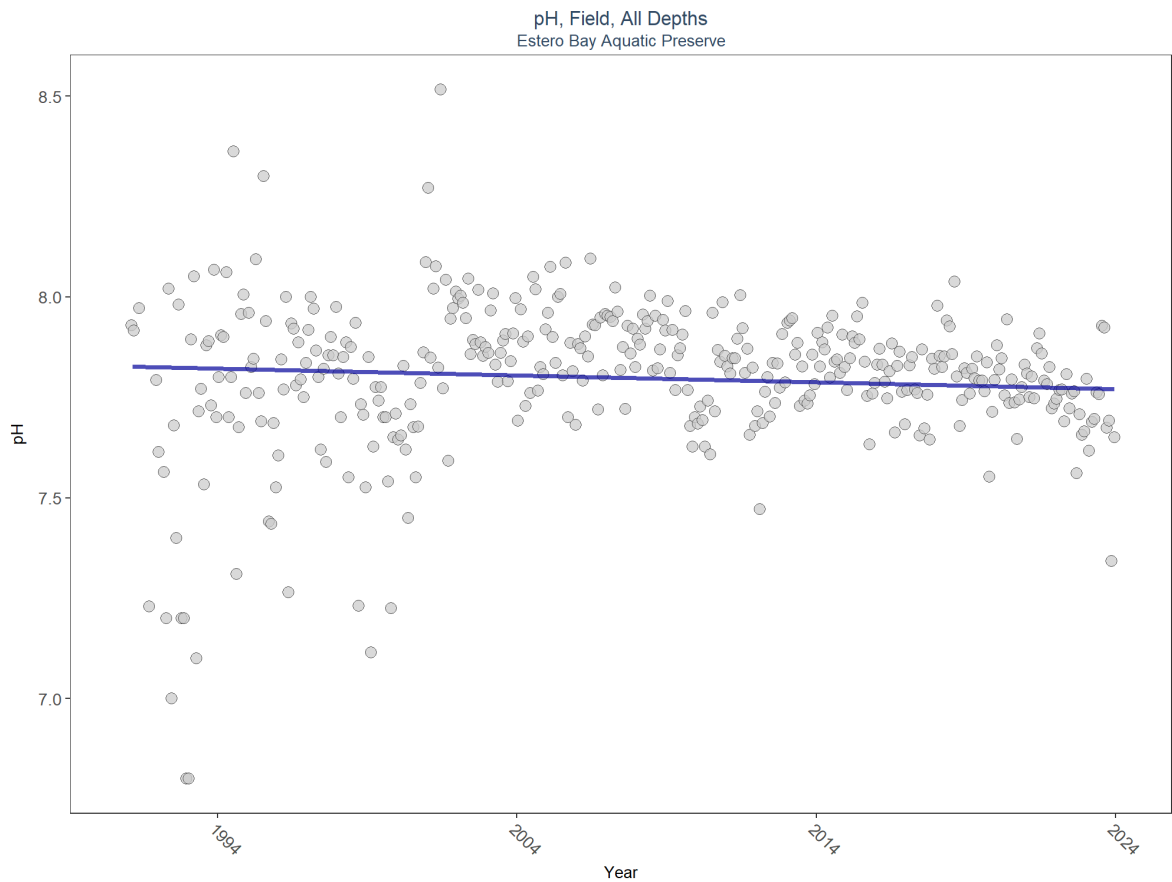


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	2424	12	81.6	TRUE	-0.1888	0.0151	-0.9375	79.10854	6.6504	0.8267	-1

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

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

pH

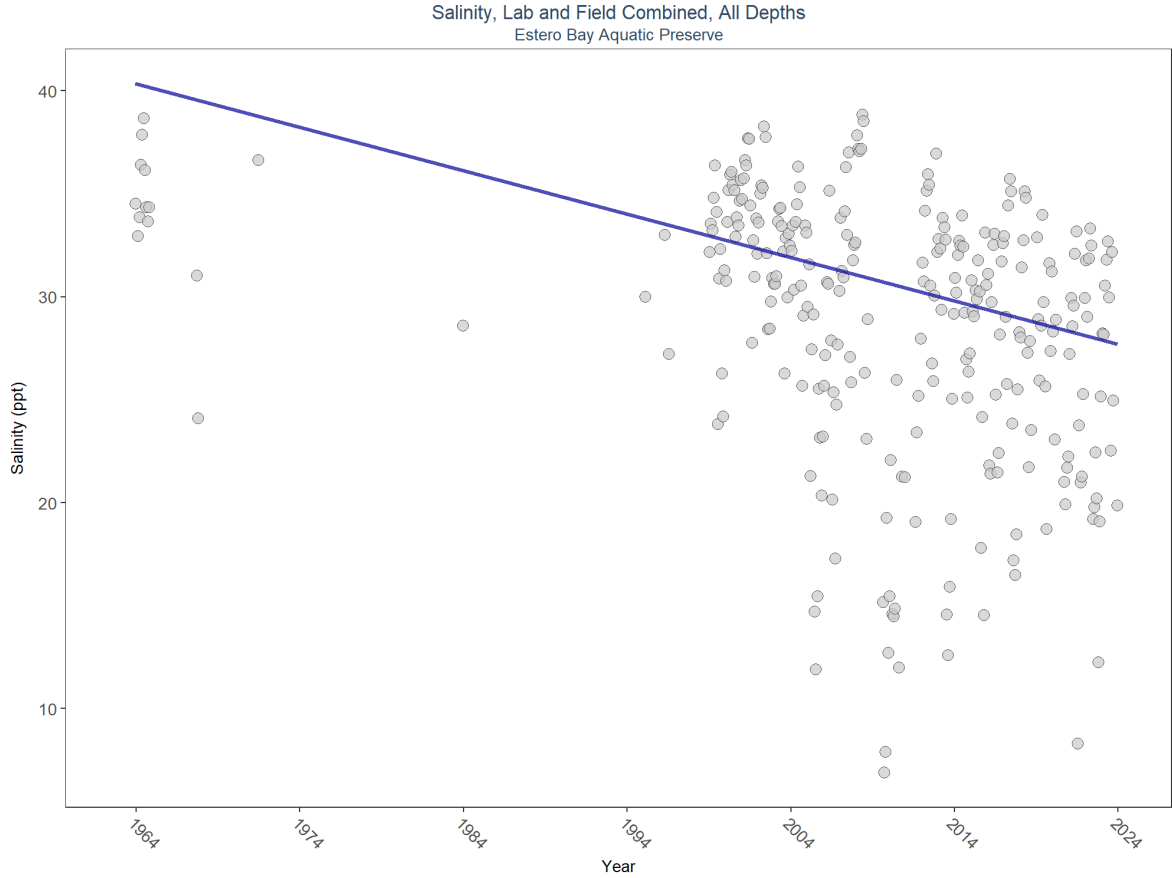


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	9908	33	7.9	TRUE	-0.0769	0.0321	-0.001707305	7.826813	13.4861	0.2627	-1

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

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

Salinity



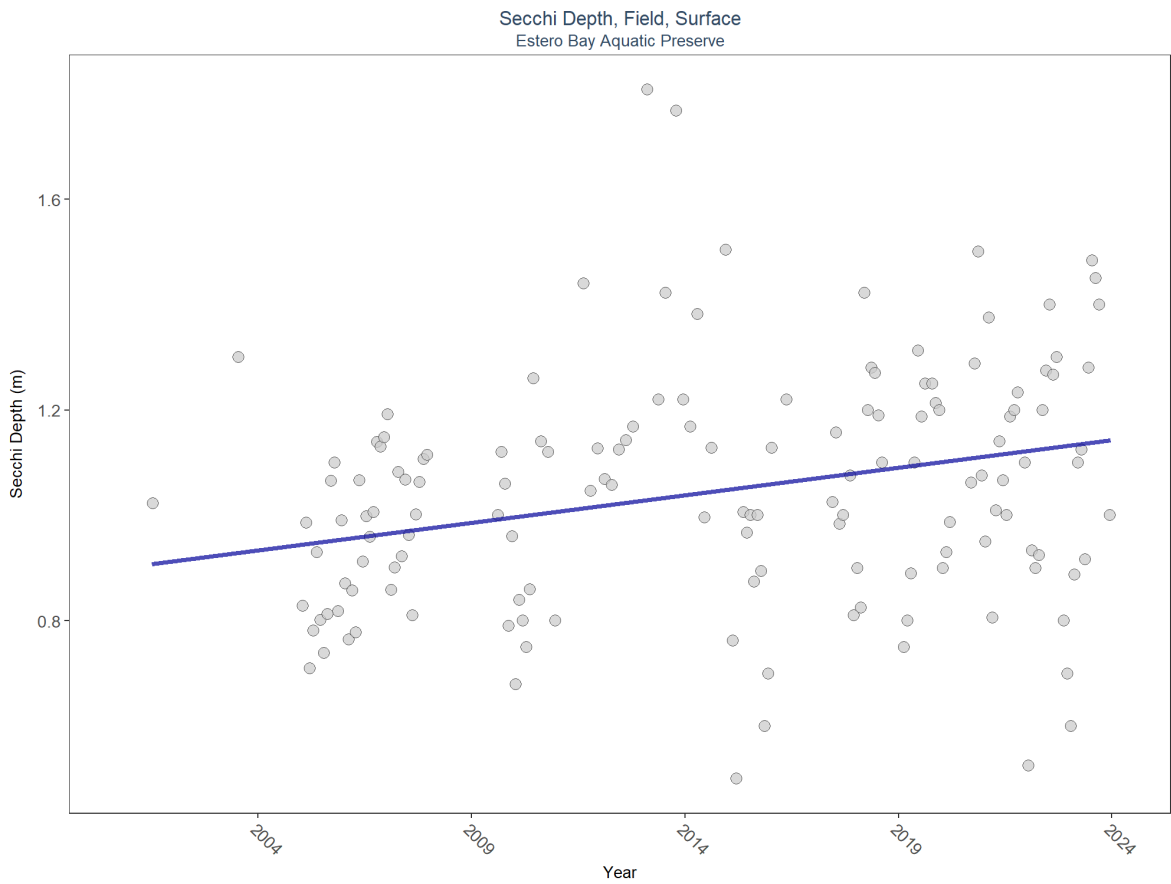
RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	4492	32	32.4	TRUE	-0.3636	0.0000	-0.2108858	40.55381	3.7734	0.9761	-1

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

SennIntercept is intercept value at beginning of  
record for monitoring location



# Secchi Depth

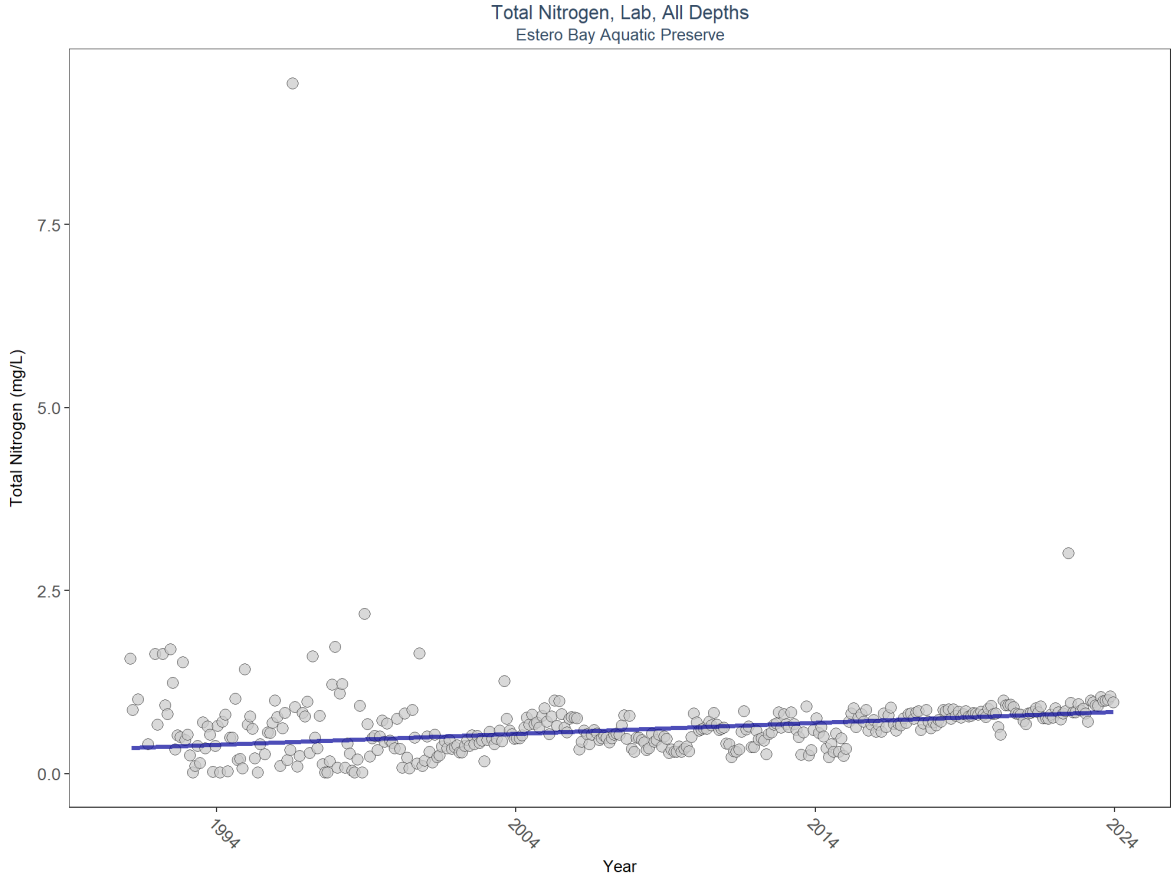


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
Surface	2759	20	0.9	TRUE	0.2298	0.0003	0.01047418	0.9019012	13.1529	0.2834	1

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

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

Total Nitrogen

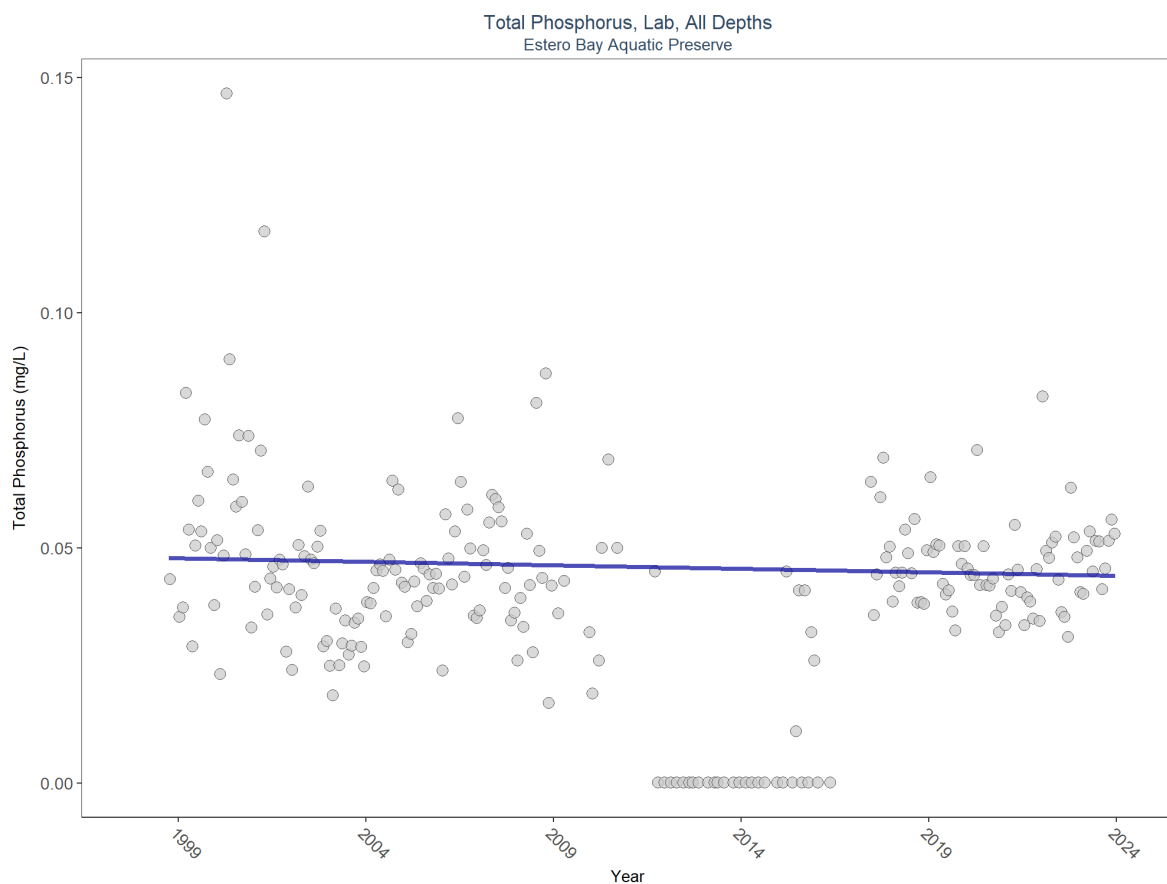


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	6992	33	0.614	TRUE	0.3216	0.0000	0.01496263	0.3534451	13.2733	0.2758	1

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

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

# Total Phosphorus

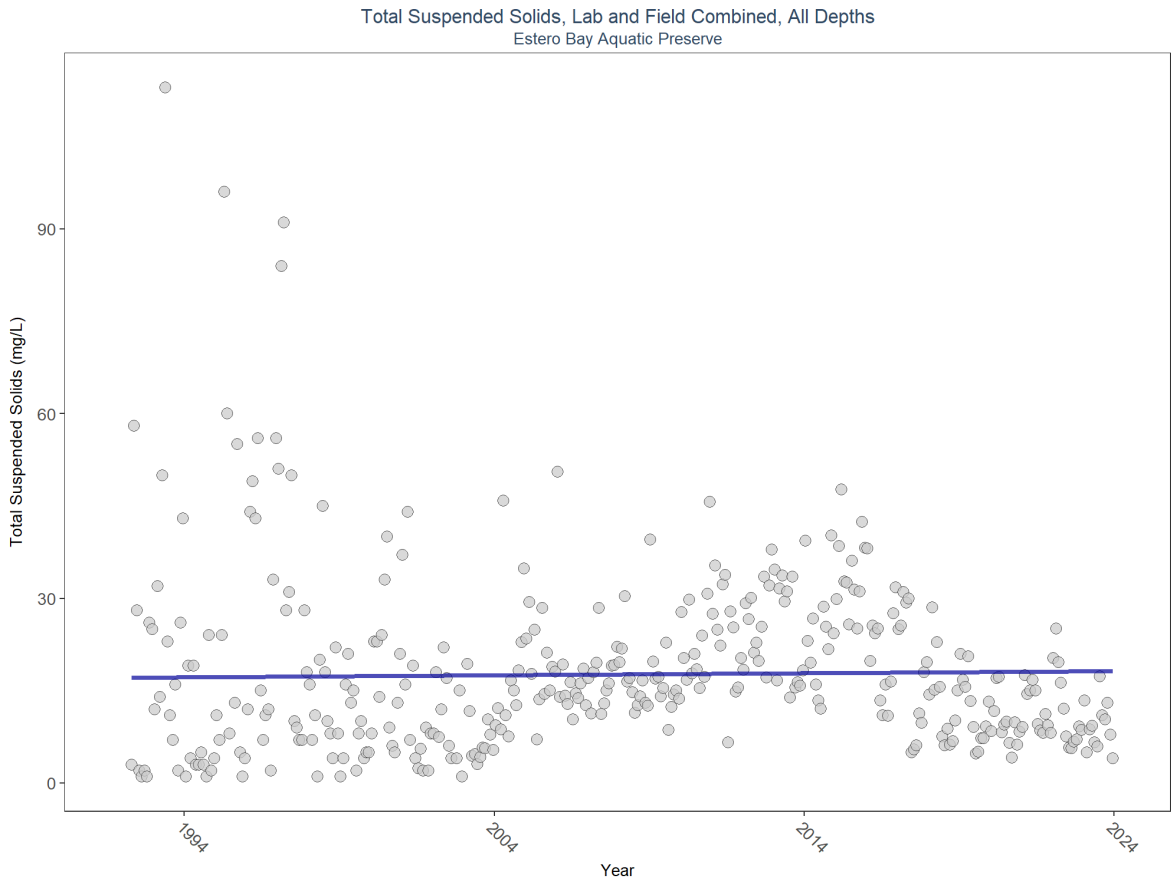


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	2501	26	0.041	TRUE	-0.0535	0.2599	-0.0001496672	0.04794737	13.3375	0.2718	0

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

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

# Total Suspended Solids

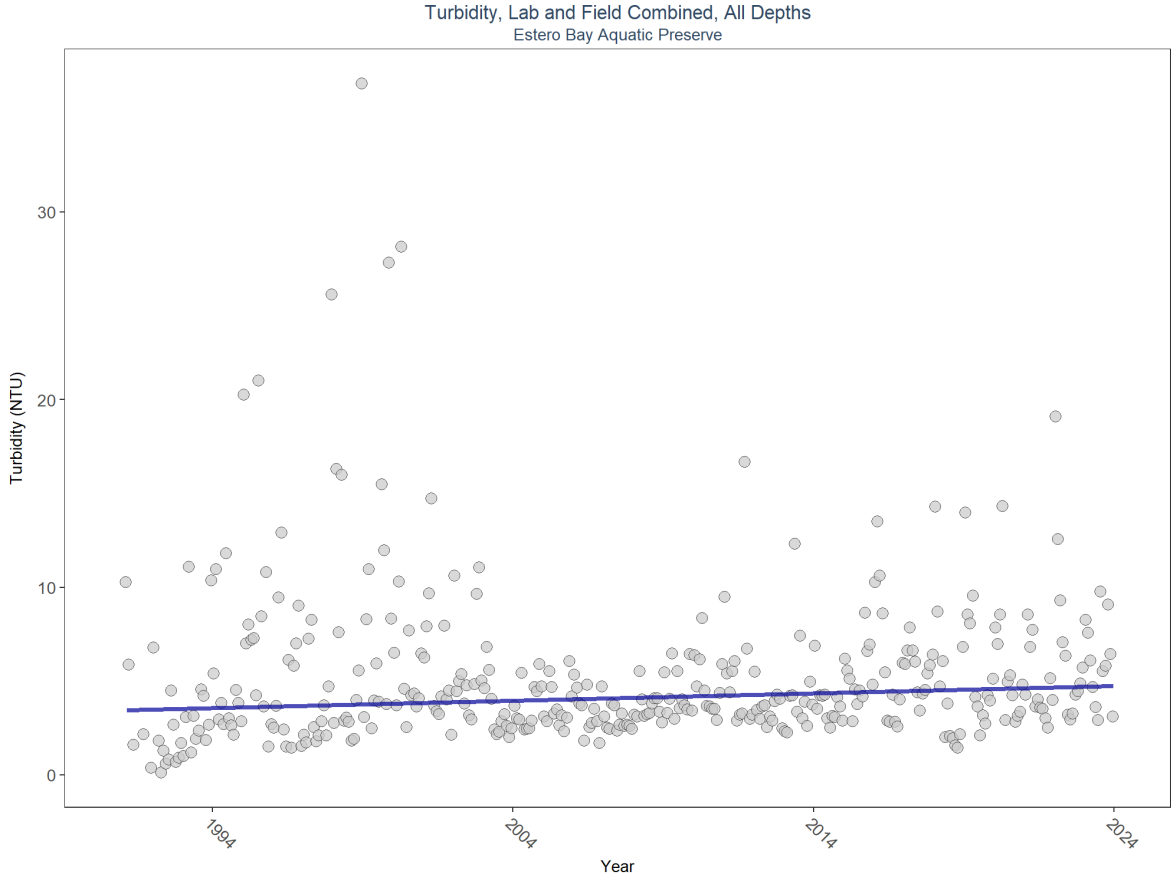


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	5328	32	14	TRUE	0.0206	0.5883	0.03284281	17.15911	15.2398	0.1718	0

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

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

Turbidity

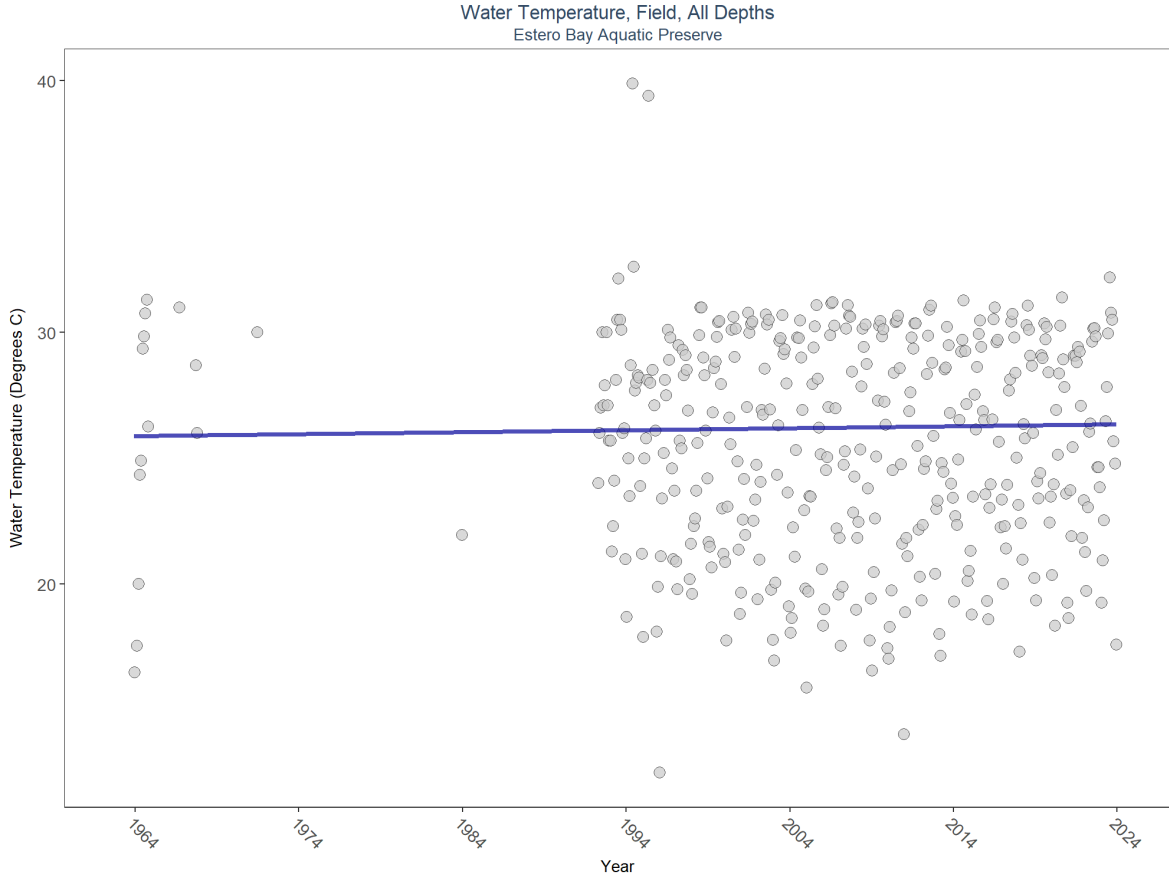


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	7231	33	3.39	TRUE	0.1383	0.0001	0.03898323	3.451771	7.2659	0.7772	1

*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	10058	38	26.2	TRUE	0.0293	0.4044	0.0078125	25.87015	6.1864	0.8606	0

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

SennIntercept is intercept value at beginning of record for monitoring location