

Gasparilla Sound-Charlotte Harbor Aquatic Preserve

SEACAR Discrete Water Quality Analysis

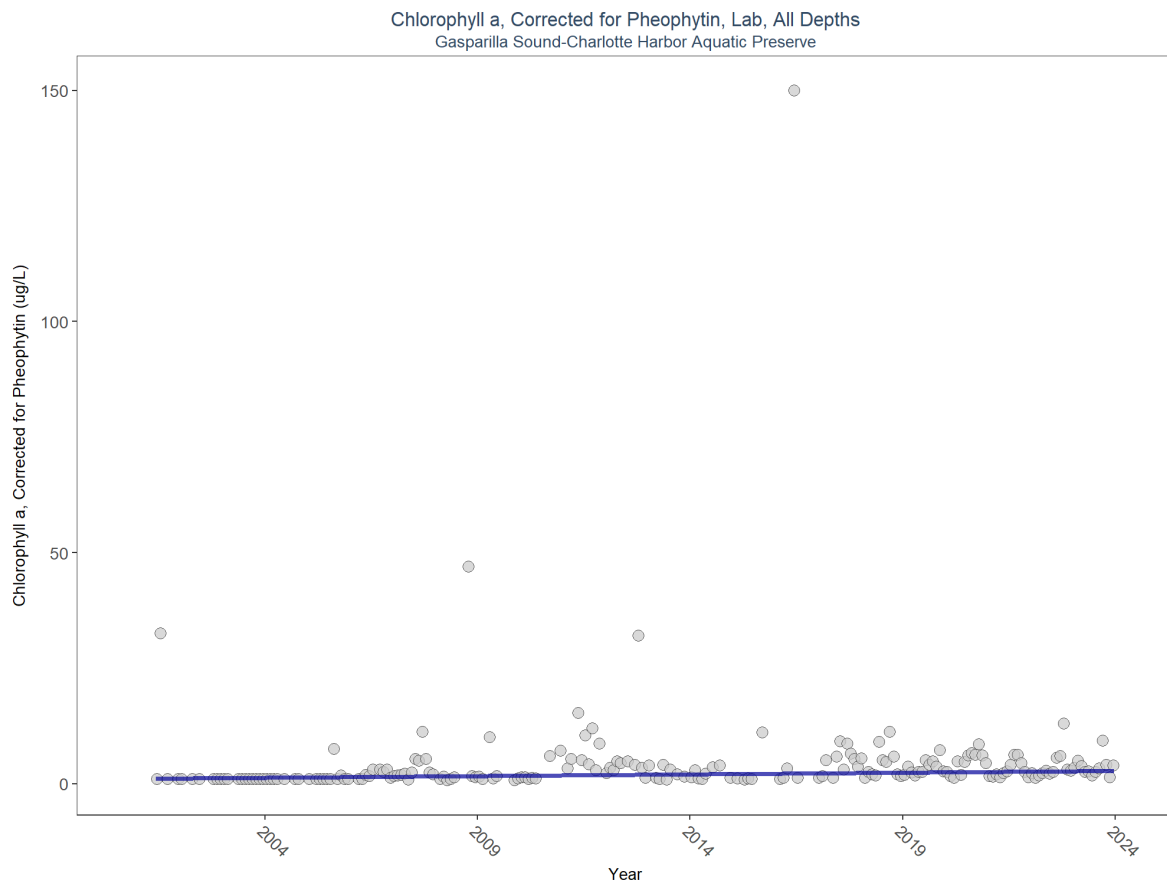
Last compiled on 26 June, 2024

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Parameters

Chlorophyll a, Corrected for Pheophytin

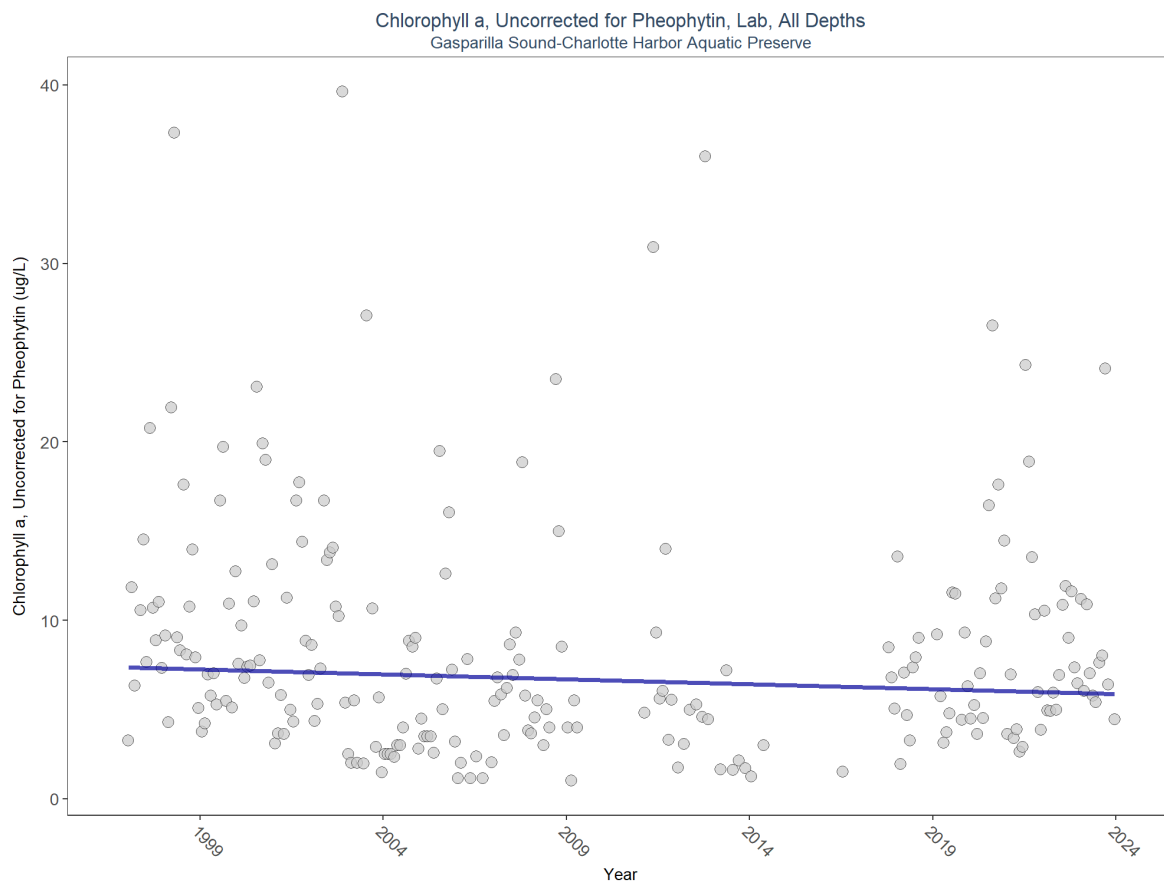


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	1444	23	1.96	TRUE	0.3401	0.0000	0.07650463	1.027005	11.2831	0.4199	1

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

SennIntercept is intercept value at beginning of
record for monitoring location

Chlorophyll a, Uncorrected for Pheophytin

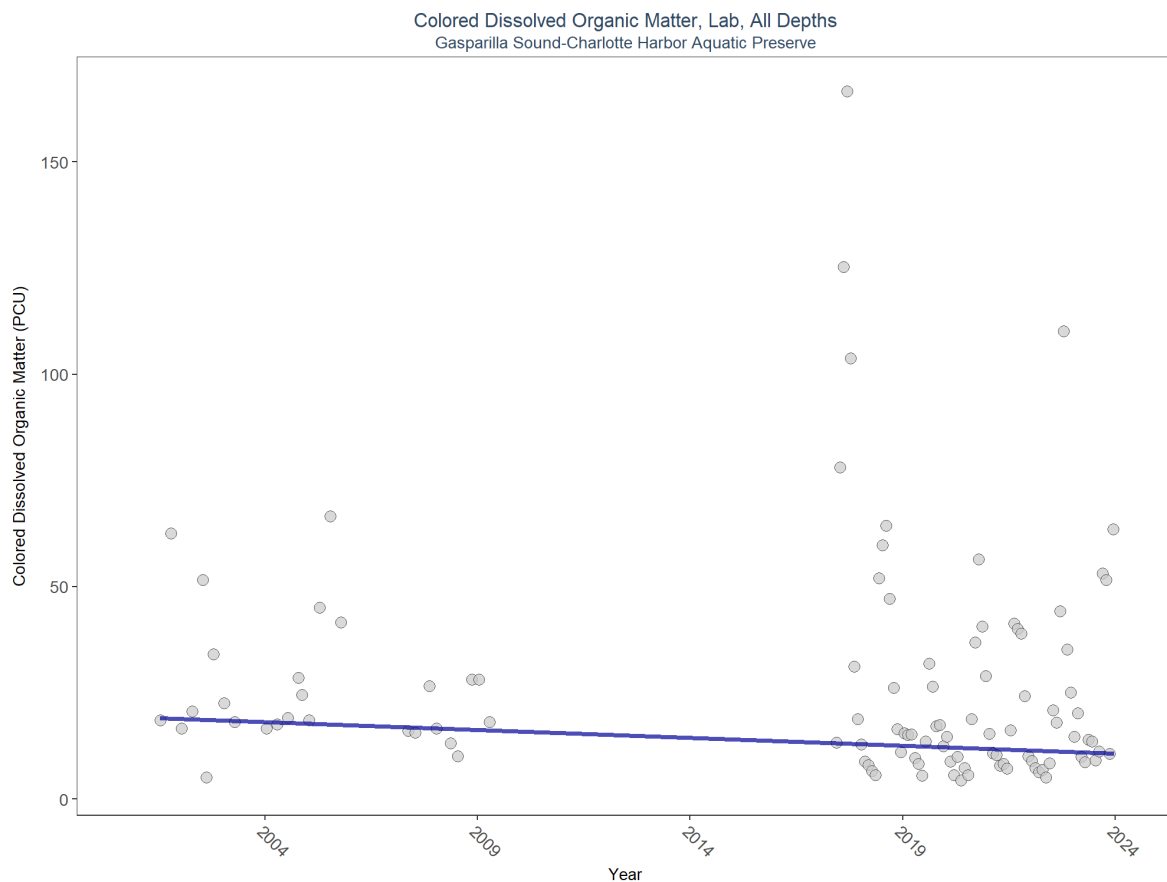


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	1367	25	5.33	TRUE	-0.0824	0.0857	-0.055	7.368339	4.5147	0.9524	0

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

SennIntercept is intercept value at beginning of
record for monitoring location

Colored Dissolved Organic Matter

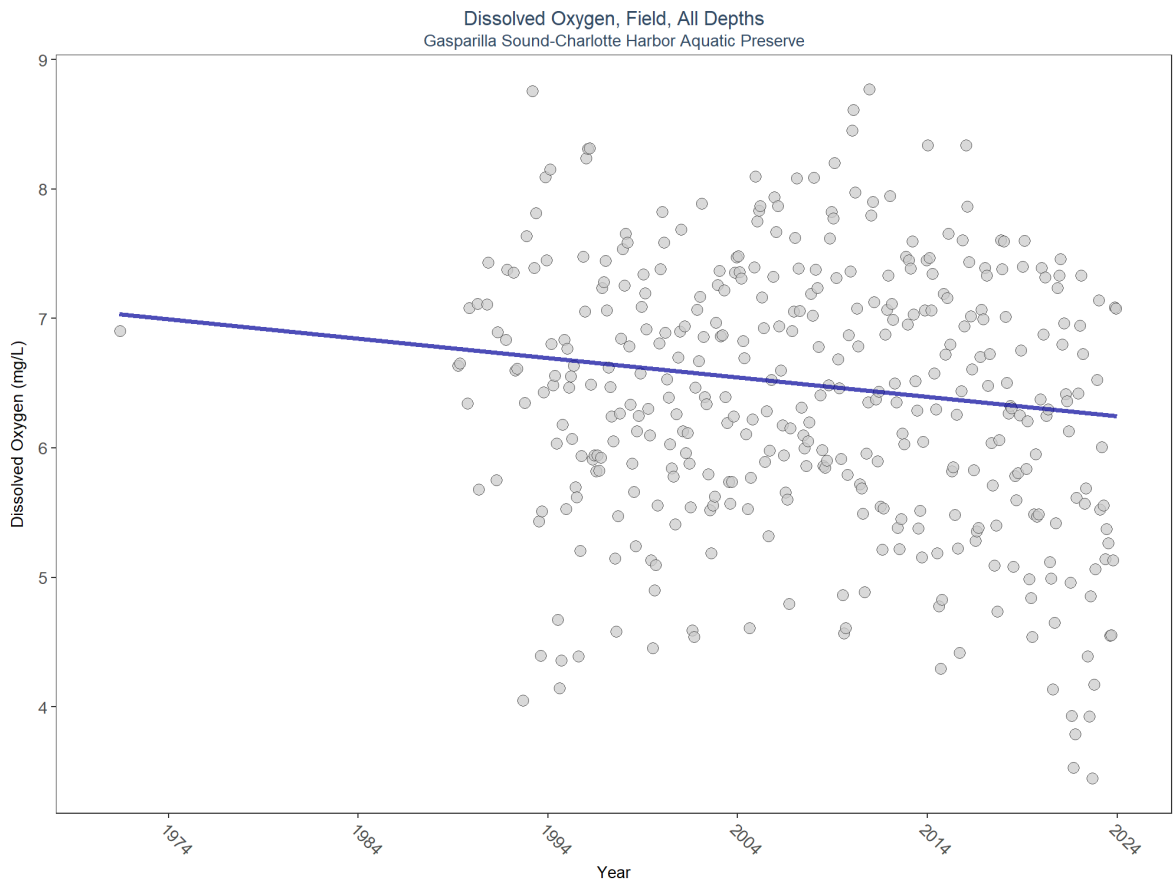


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	945	15	11.7	TRUE	-0.1556	0.0139	-0.3702725	19.27256	12.9801	0.2946	-1

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

SennIntercept is intercept value at beginning of
record for monitoring location

Dissolved Oxygen

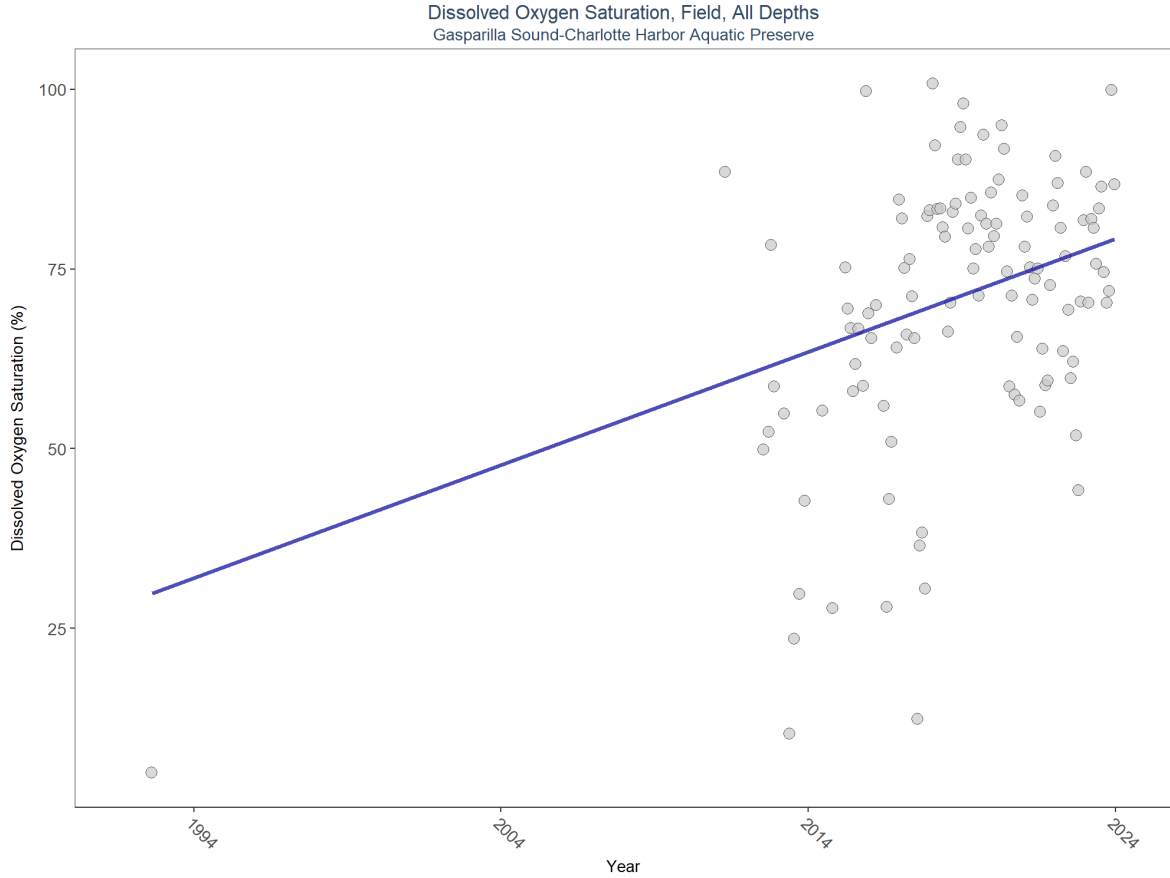


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	55485	36	6.6	TRUE	-0.1792	0.0000	-0.01506714	7.041419	8.802	0.6402	-1

p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

Dissolved Oxygen Saturation

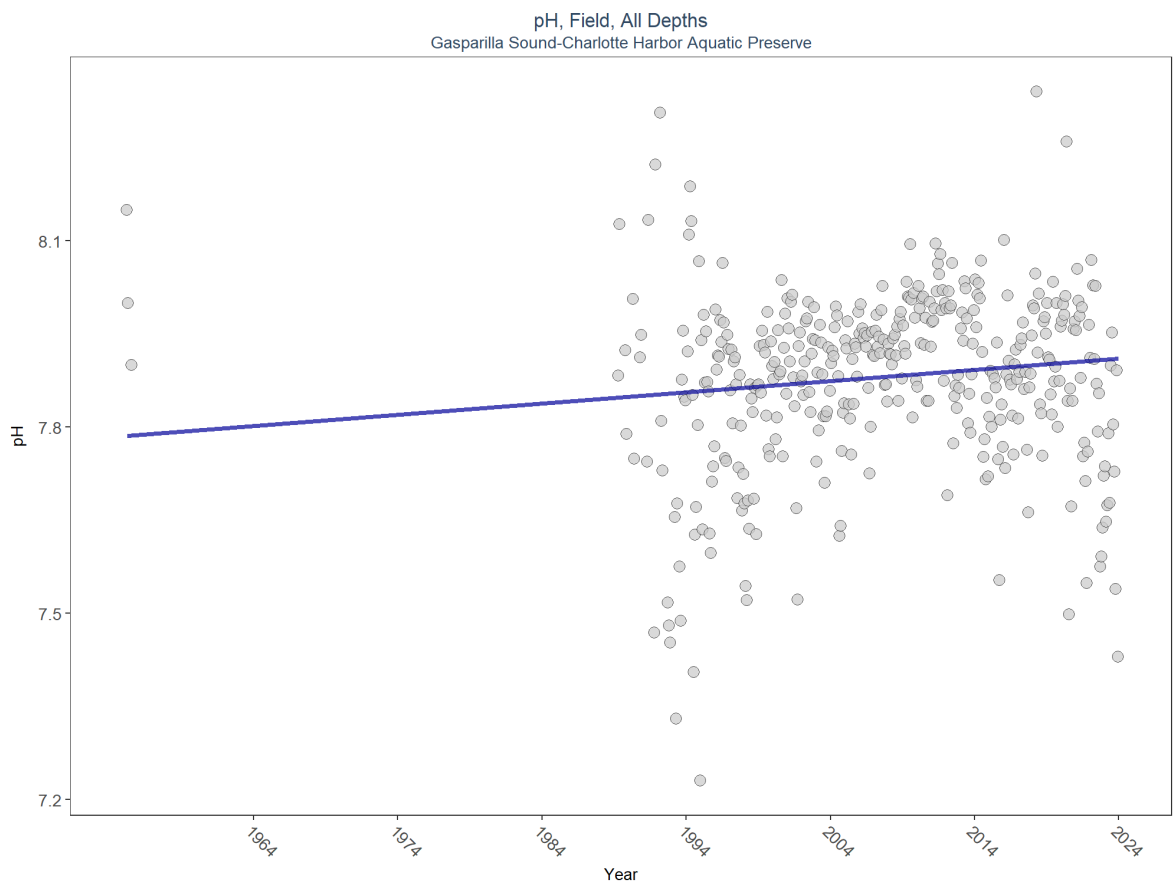


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	609	14	79.8	TRUE	0.2522	0.0003	1.574352	28.82654	10.5199	0.4843	1

p < 0.00005 appear as 0 due to rounding.

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

pH

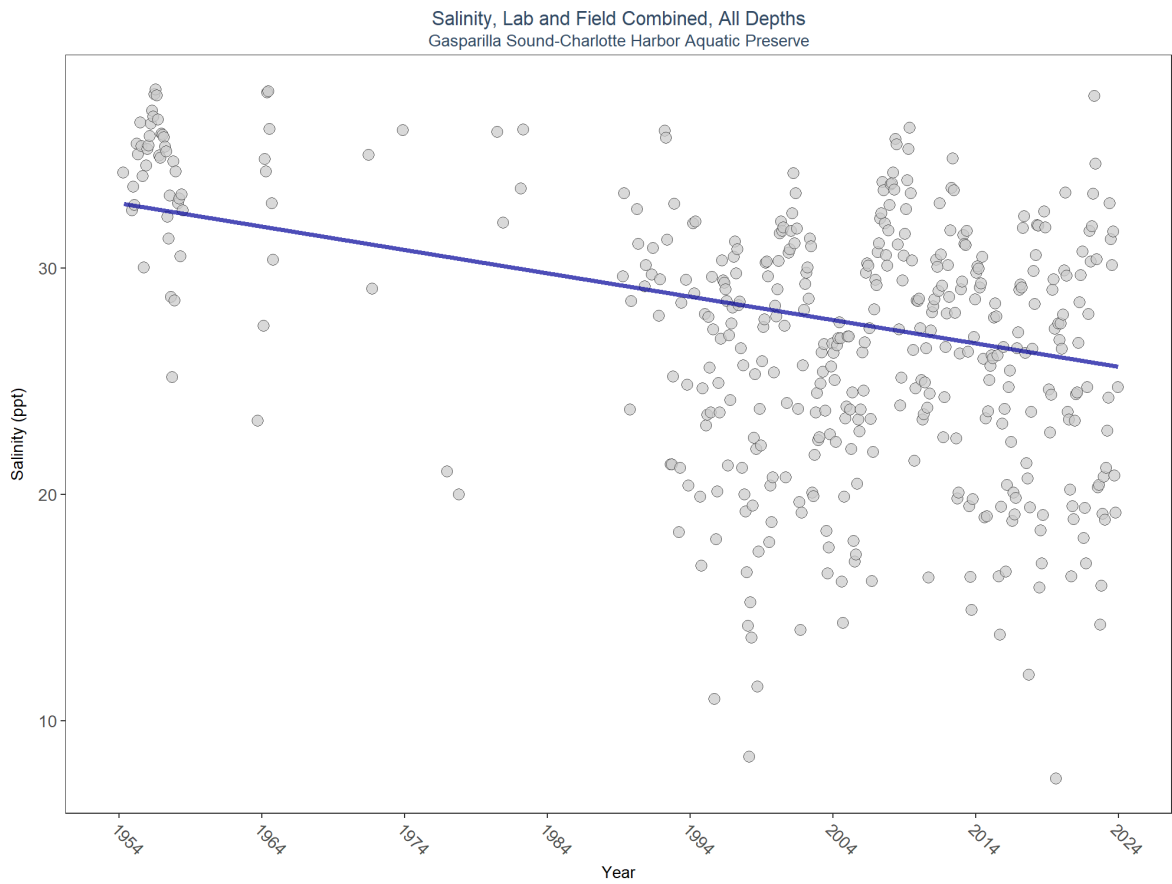


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	52185	36	7.91	TRUE	0.1109	0.0029	0.001808955	7.785715	6.3274	0.8506	1

p < 0.00005 appear as 0 due to rounding.

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

Salinity

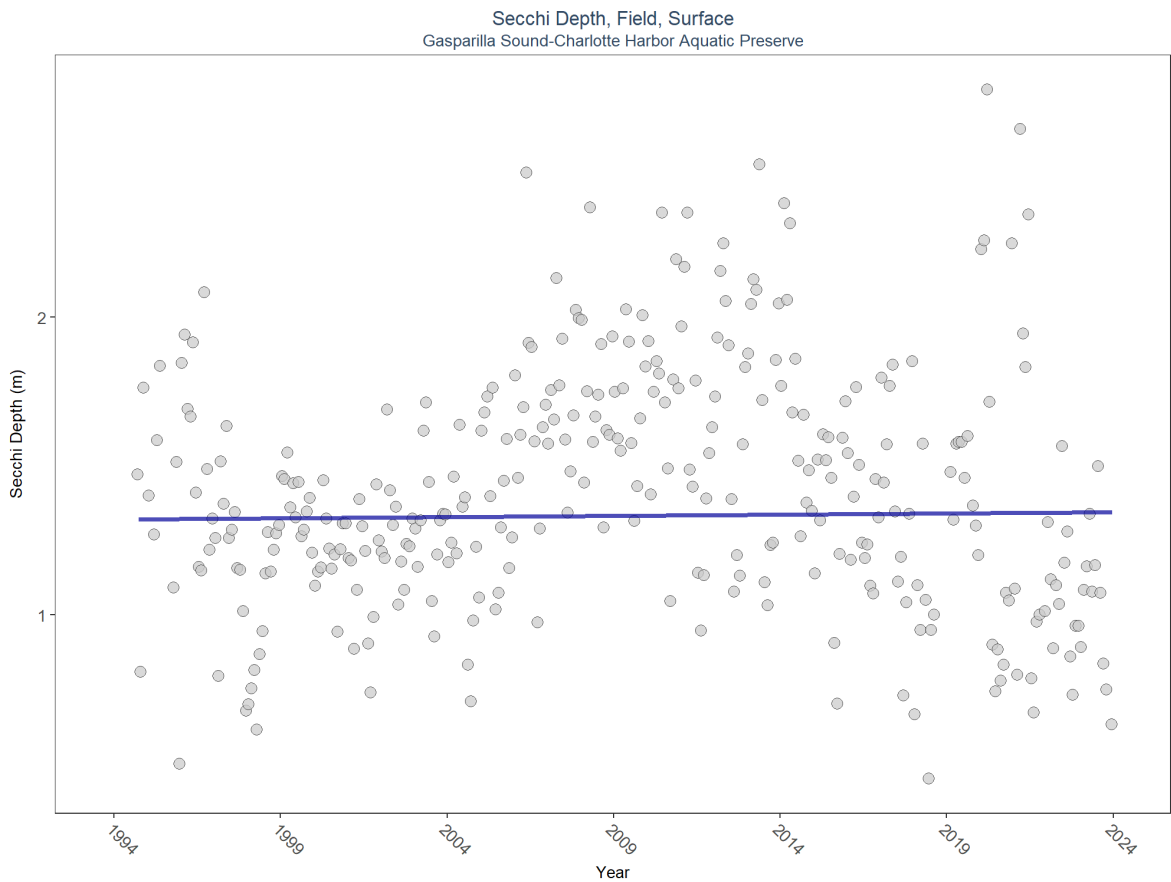


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	54021	48	27.1	TRUE	-0.2415	0.0000	-0.1032026	32.8611	5.365	0.9122	-1

p < 0.00005 appear as 0 due to rounding.

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

Secchi Depth

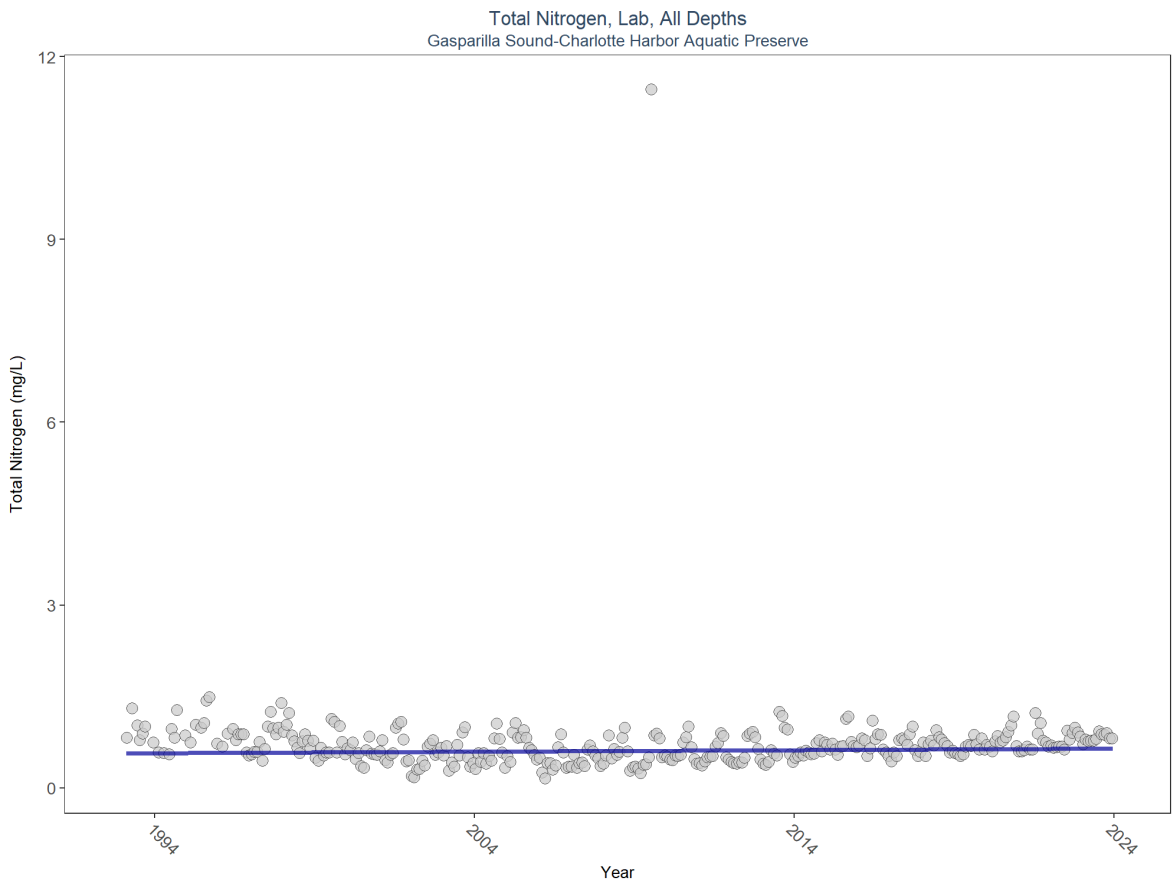


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
Surface	32106	30	1.3	TRUE	0.0116	0.7432	0.0007595284	1.321523	13.1084	0.2863	0

p < 0.00005 appear as 0 due to rounding.

SennIntercept is intercept value at beginning of record for monitoring location

Total Nitrogen

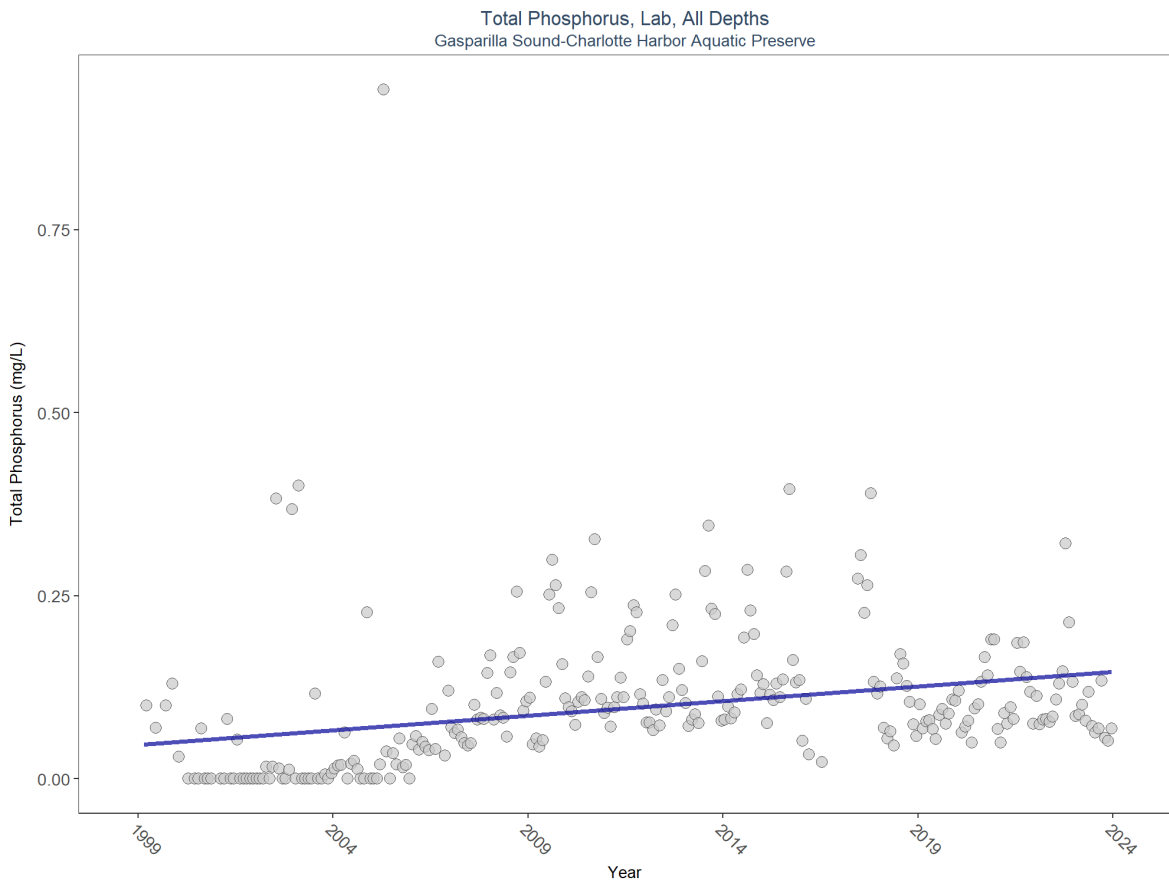


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	6154	31	0.602	TRUE	0.0822	0.0443	0.002621342	0.5685167	10.0946	0.5219	1

p < 0.00005 appear as 0 due to rounding.

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

Total Phosphorus

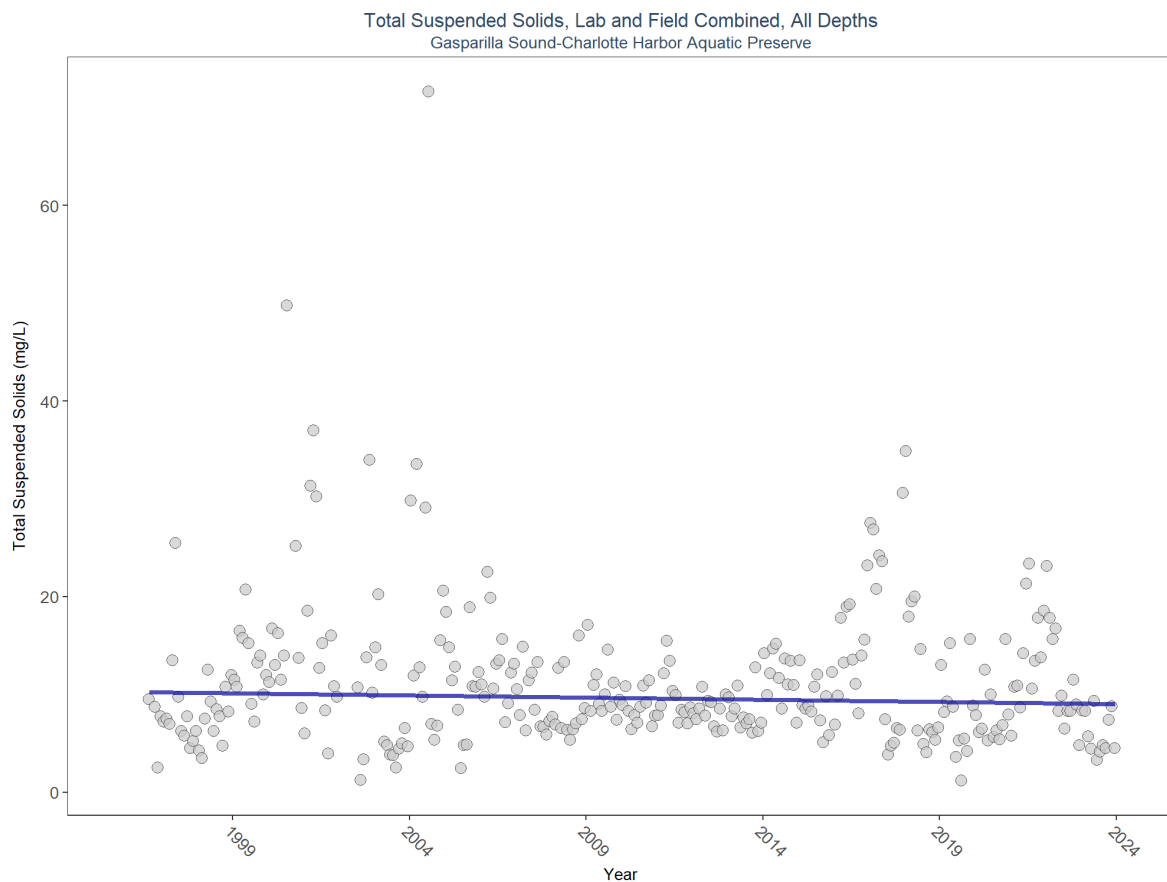


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	4251	25	0.088	TRUE	0.313	0.0000	0.003972028	0.04664429	7.0658	0.7937	1

p < 0.00005 appear as 0 due to rounding.

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

Total Suspended Solids

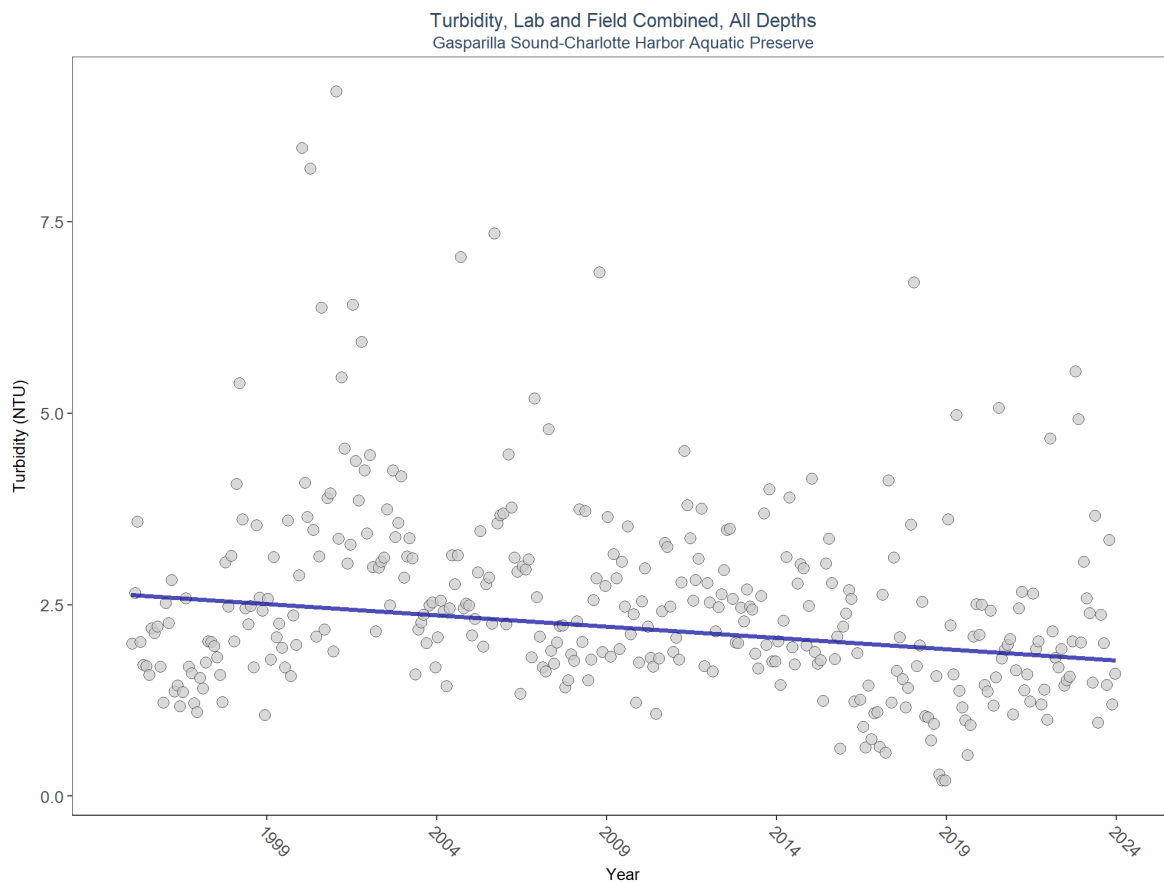


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	5206	28	7.125	TRUE	-0.0512	0.2008	-0.04396364	10.26396	3.882	0.9732	0

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

SennIntercept is intercept value at beginning of record for monitoring location

Turbidity

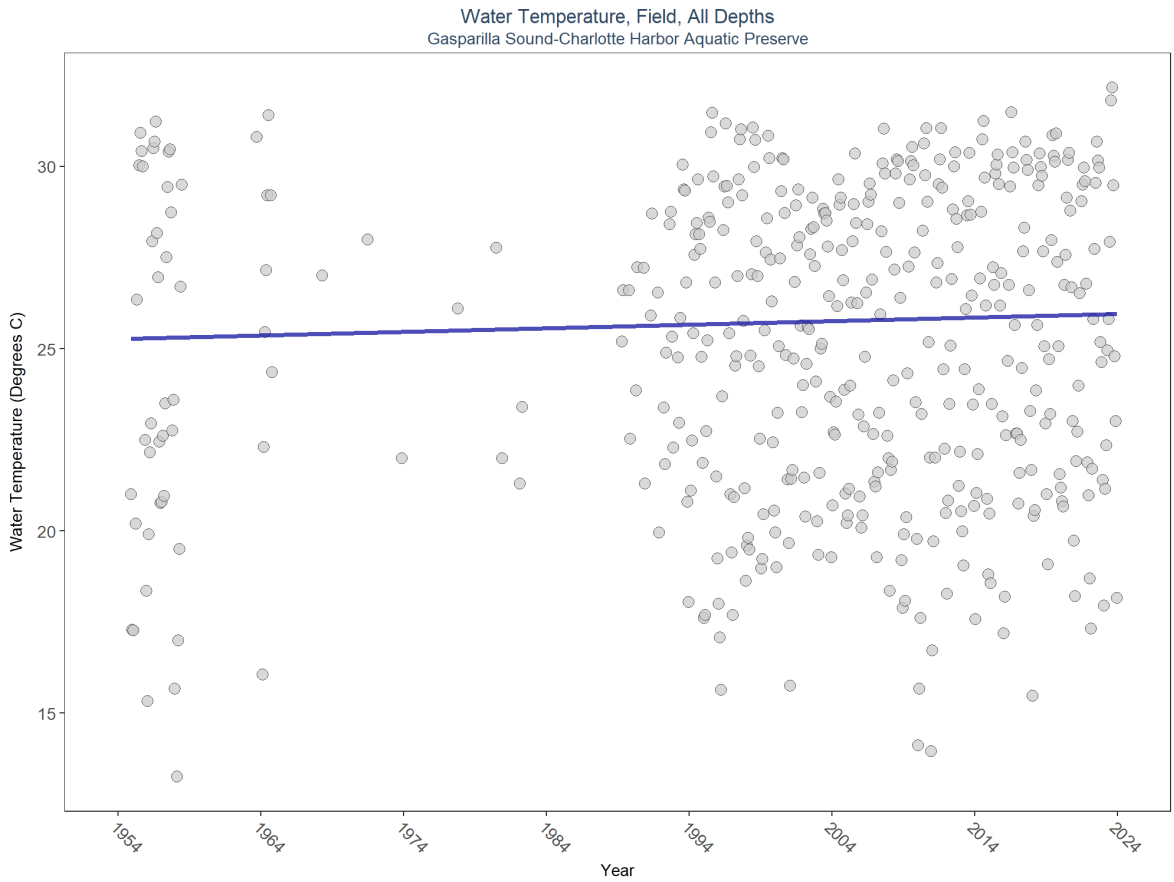


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	10716	29	1.9	TRUE	-0.186	0.0000	-0.02947861	2.629967	8.355	0.6812	-1

$p < 0.00005$ 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	56419	48	25.99	TRUE	0.0831	0.0132	0.009796904	25.27285	8.9066	0.6305	1

p < 0.00005 appear as 0 due to rounding.

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