

# Guana River Marsh Aquatic Preserve

## SEACAR Discrete Water Quality Analysis

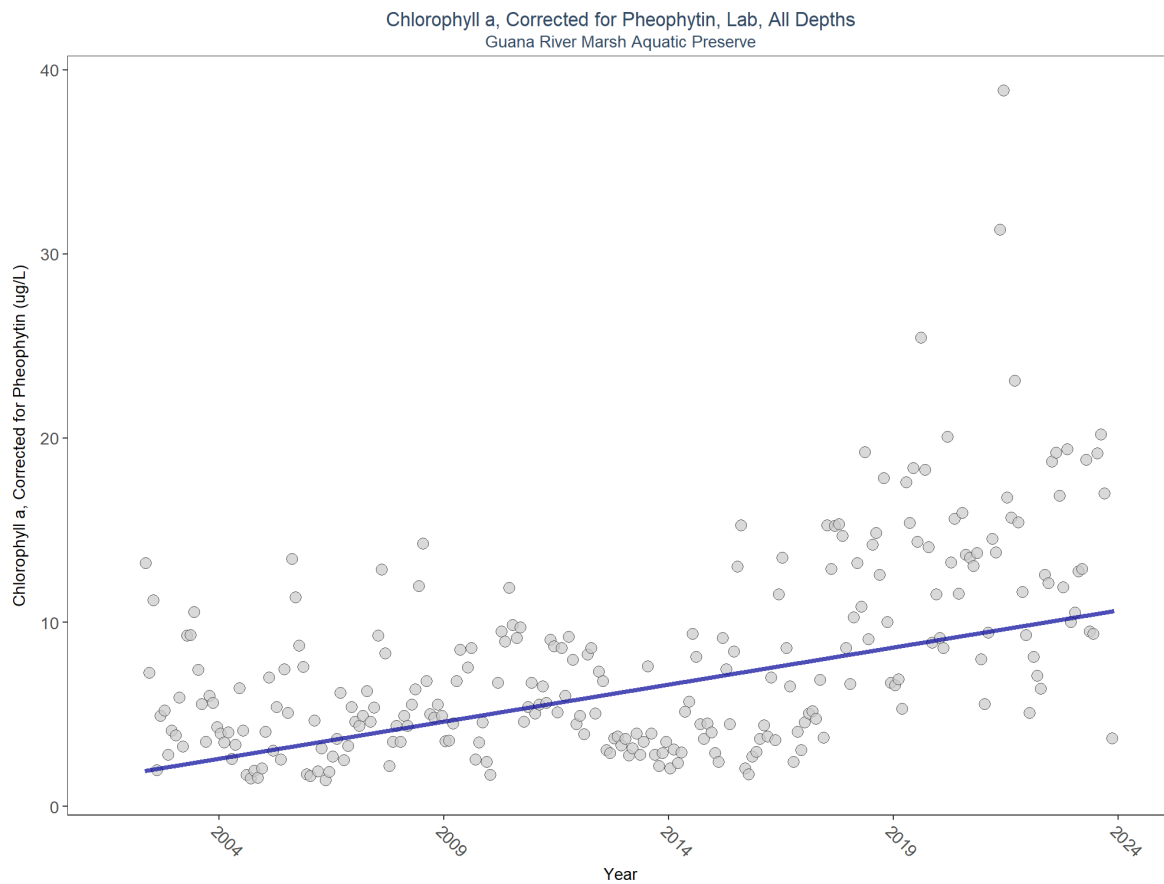
Last compiled on 26 June, 2024

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## Parameters

### Chlorophyll a, Corrected for Pheophytin

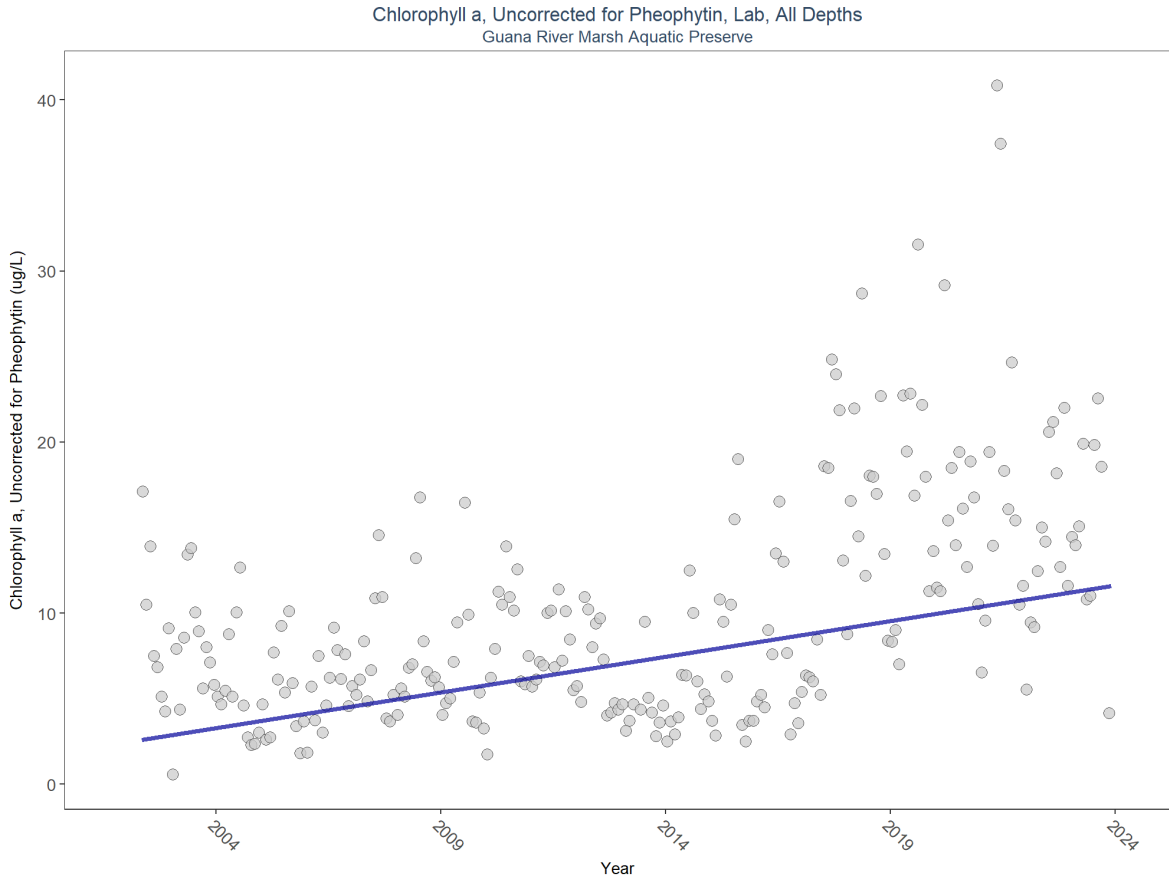


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	1522	22	5.3	TRUE	0.4201	0.0000	0.4022727	1.783099	6.4688	0.8403	1

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

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

# Chlorophyll a, Uncorrected for Pheophytin

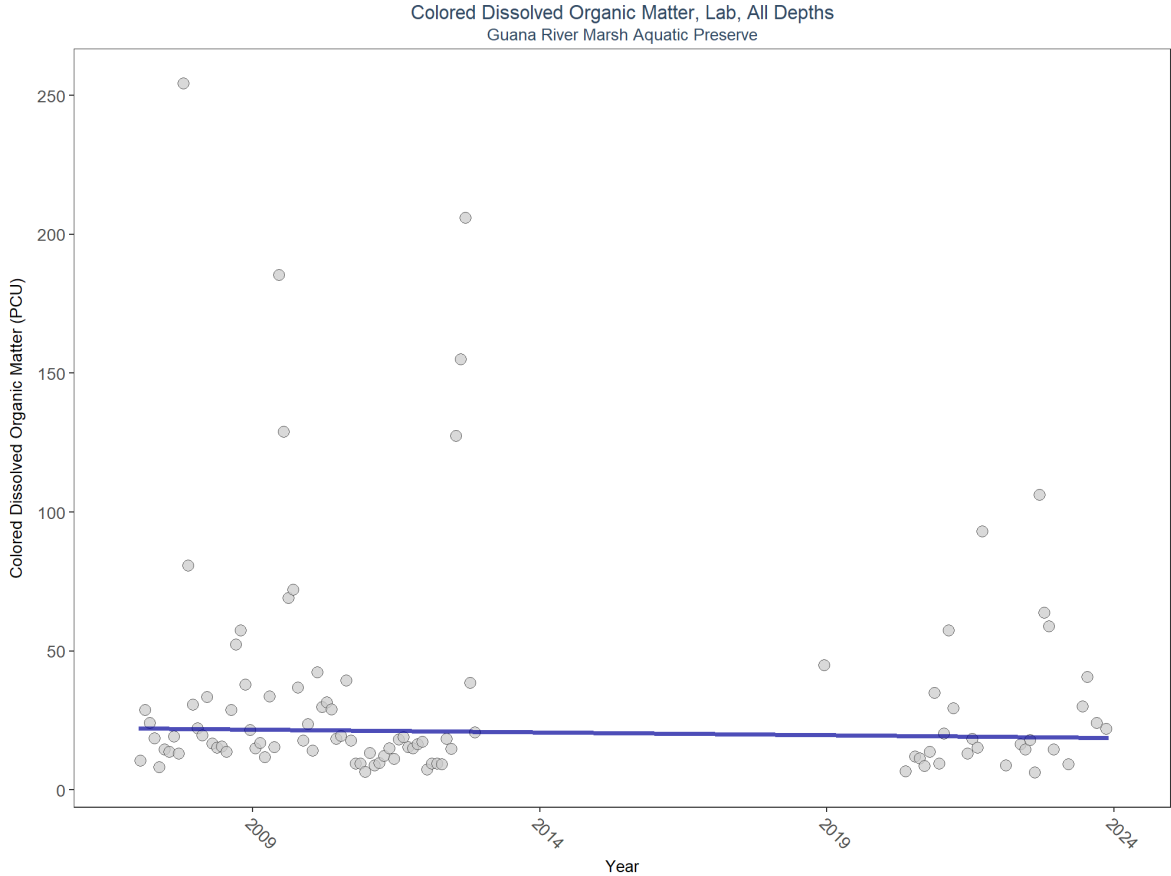


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	1211	22	7.7	TRUE	0.3969	0.0000	0.4168403	2.441465	5.2725	0.9173	1

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

SennIntercept is intercept value at beginning of  
record for monitoring location

Colored Dissolved Organic Matter

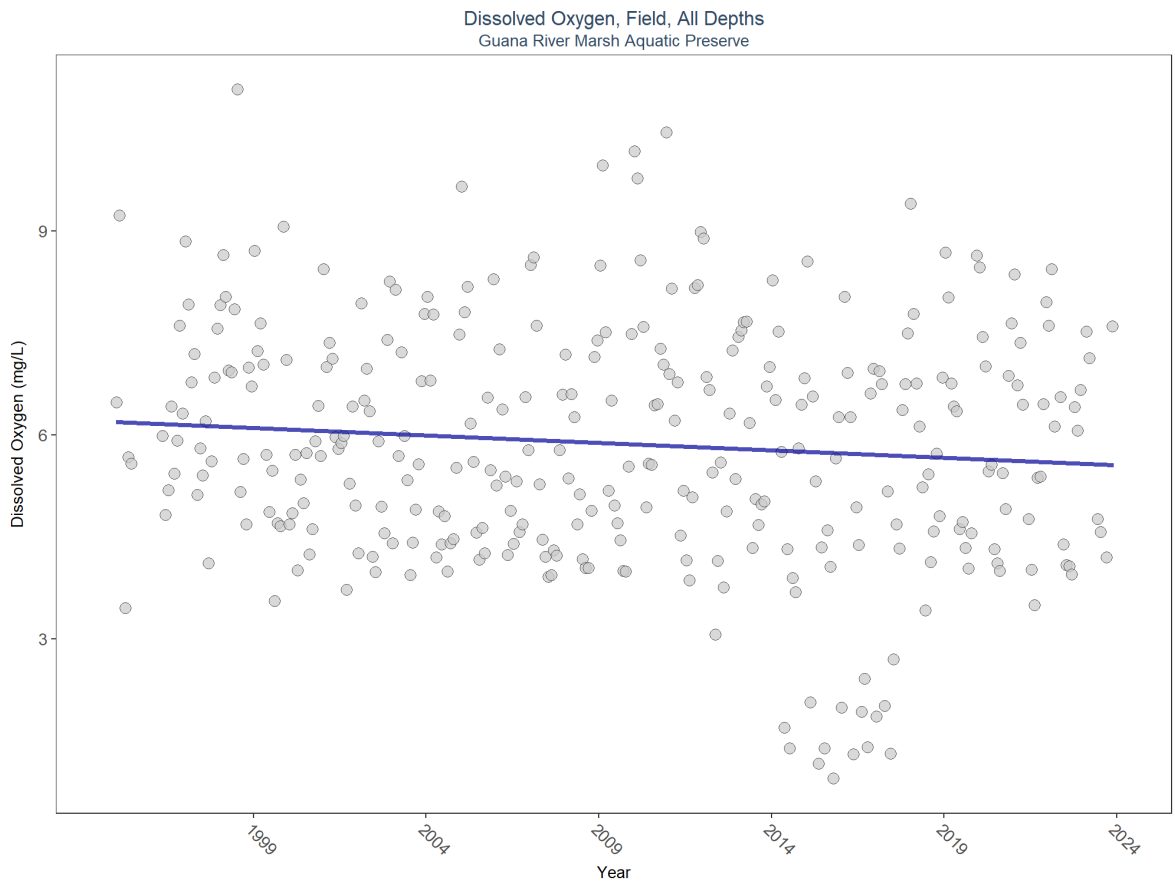


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	182	11	18.05	TRUE	-0.1405	0.1478	-0.195395	22.04197	7.4056	0.7654	0

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

SennIntercept is intercept value at beginning of record for monitoring location

Dissolved Oxygen

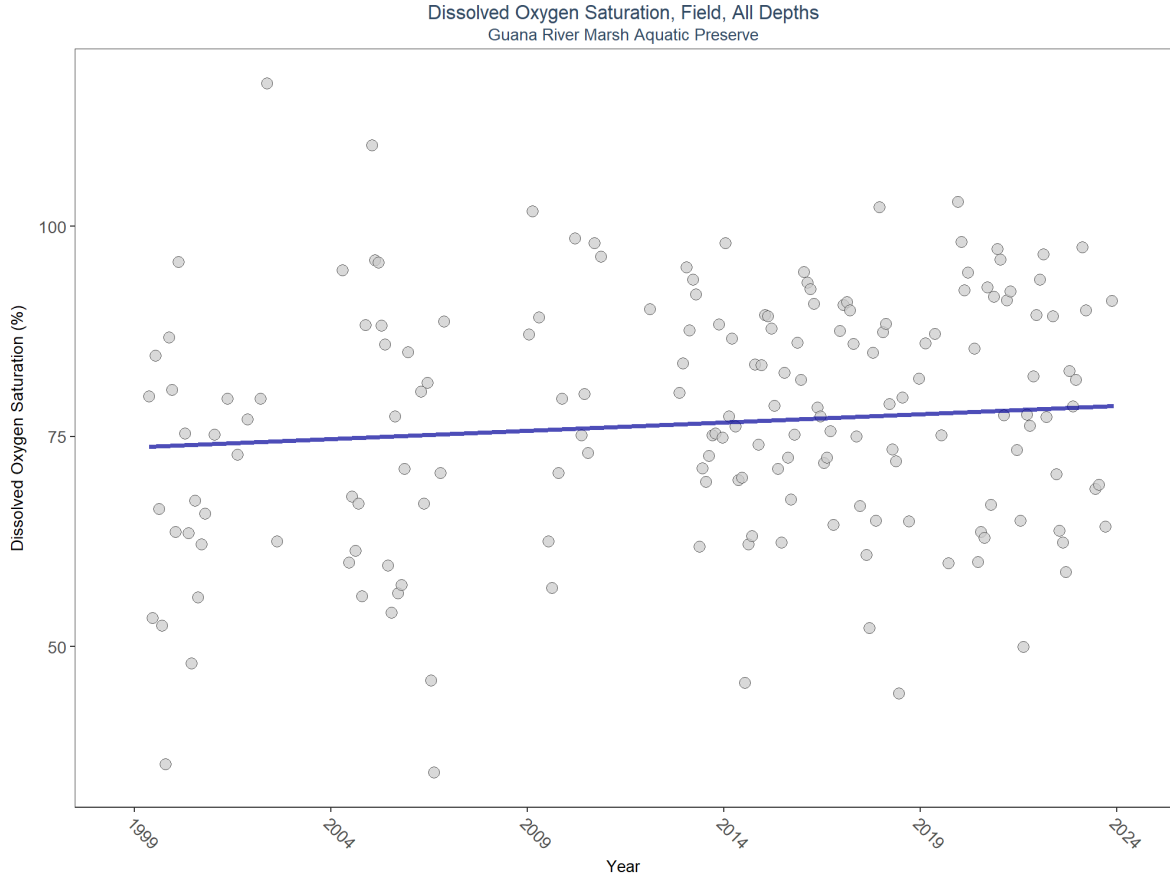


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	7535	29	5.7	TRUE	-0.1192	0.0020	-0.02181667	6.186977	12.8688	0.302	-1

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

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

# Dissolved Oxygen Saturation

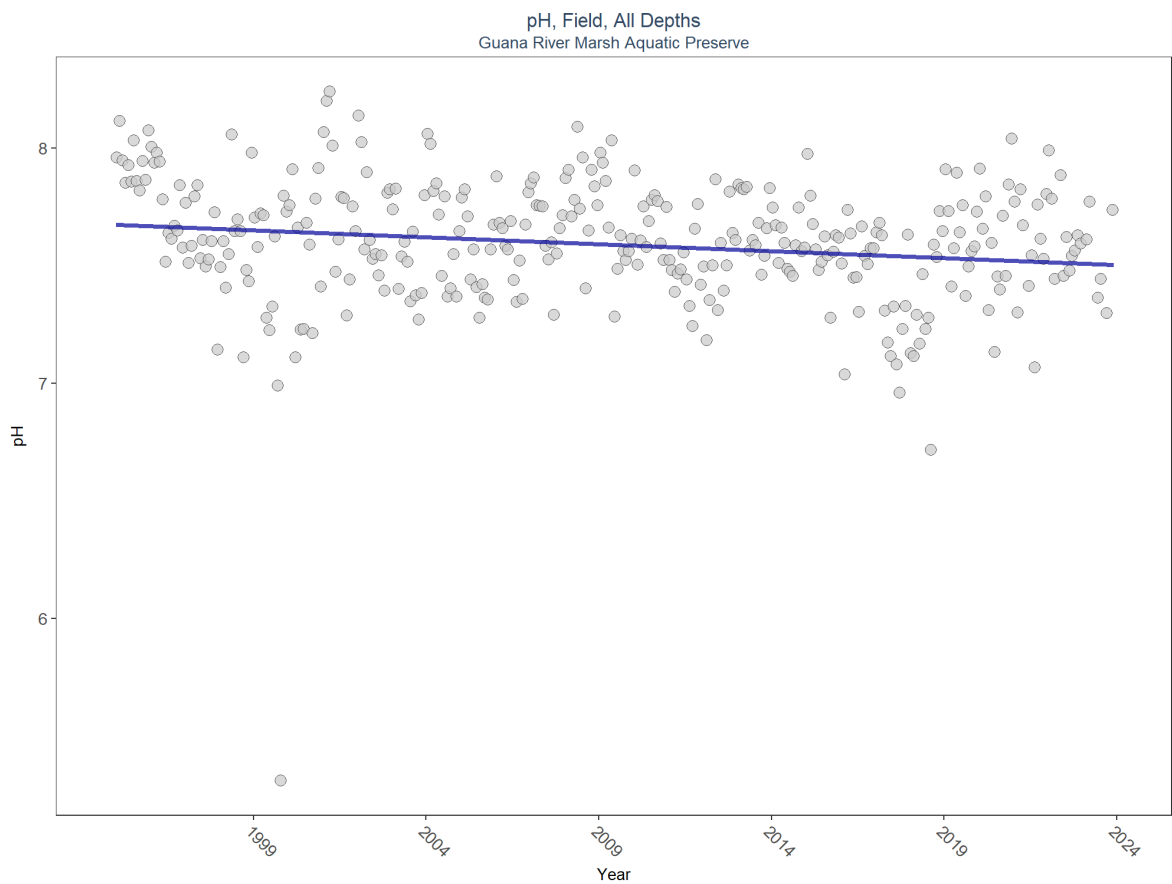


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	1150	21	78	TRUE	0.0942	0.1097	0.1977533	73.68712	10.8374	0.457	0

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

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

pH

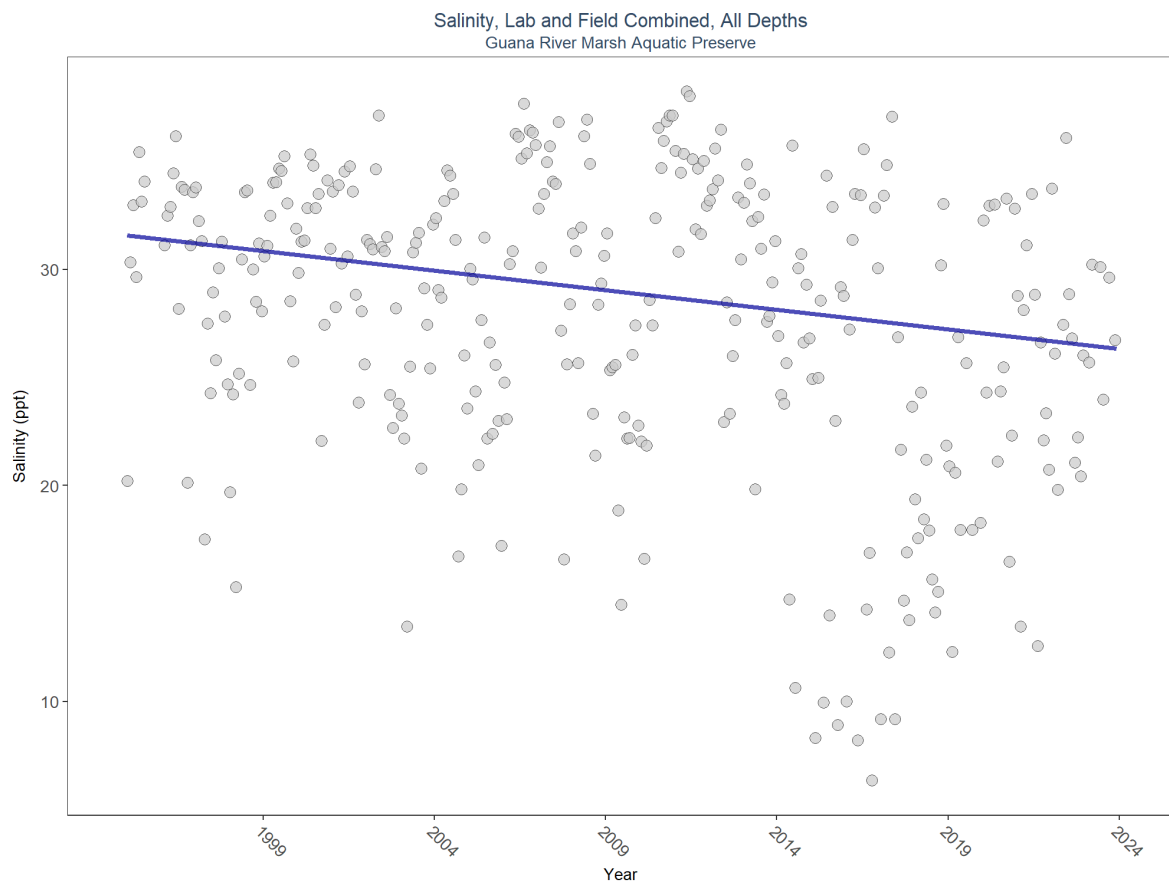


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	6101	29	7.7	TRUE	-0.161	0.0000	-0.005891652	7.672876	15.1141	0.1773	-1

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

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

# Salinity



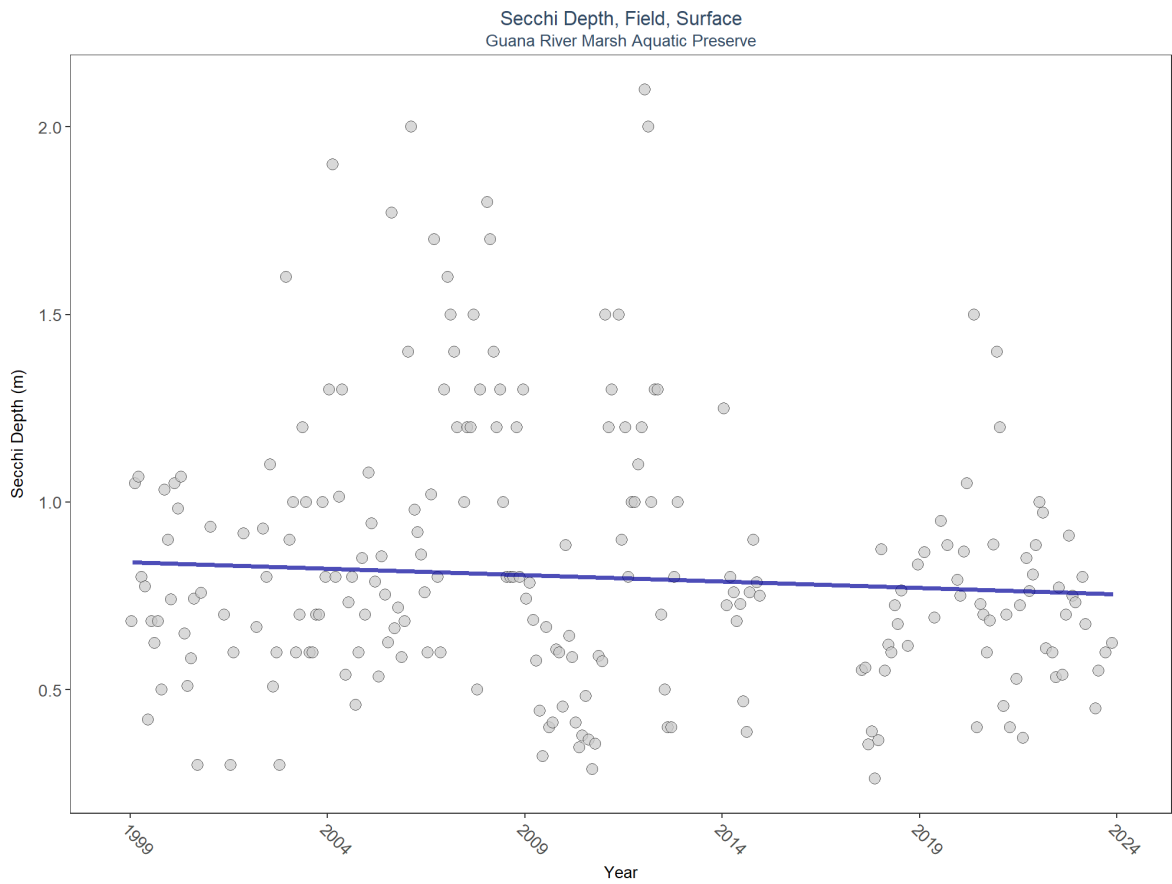
RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	8270	29	31	TRUE	-0.1745	0.0000	-0.1812958	31.58022	4.0928	0.9671	-1

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

SennIntercept is intercept value at beginning of record for monitoring location



Secchi Depth

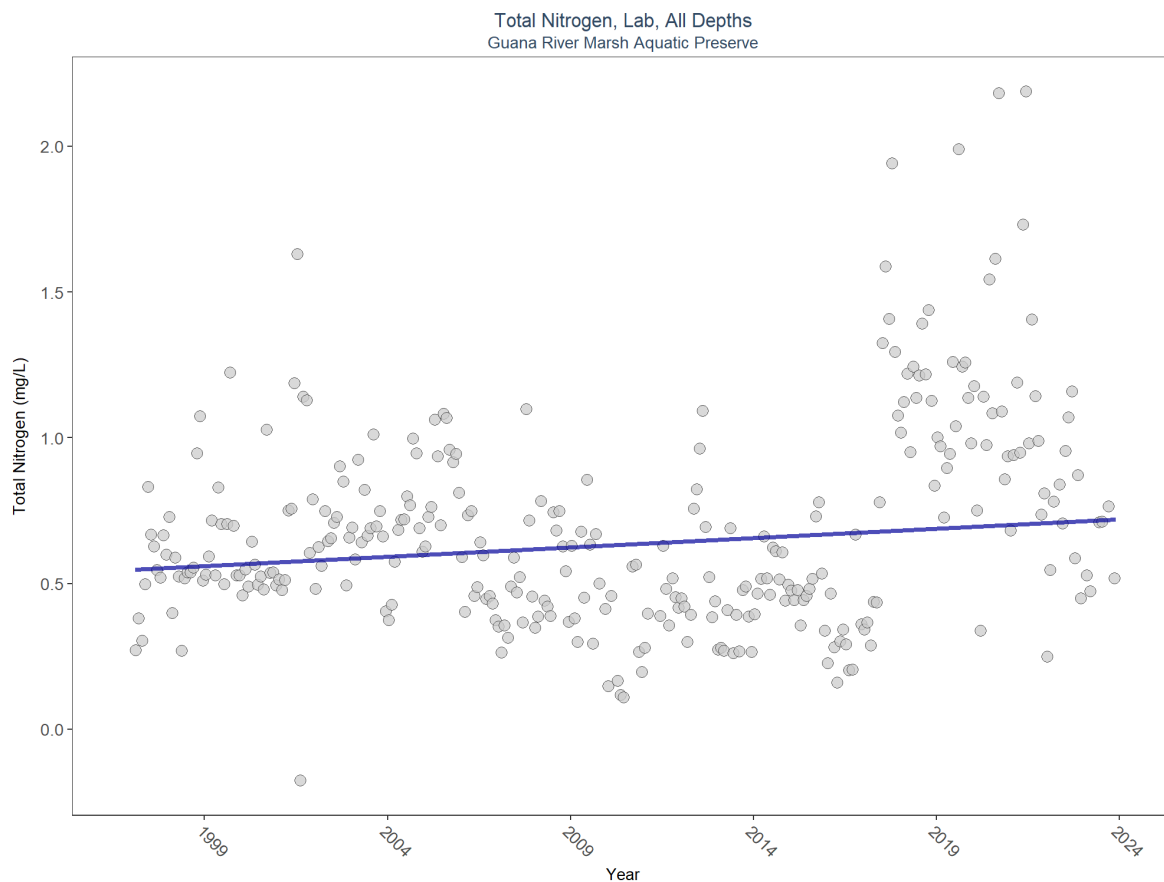


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
Surface	1330	22	0.7	TRUE	-0.0762	0.1410	-0.003451797	0.8405336	12.3622	0.337	0

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

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

## Total Nitrogen

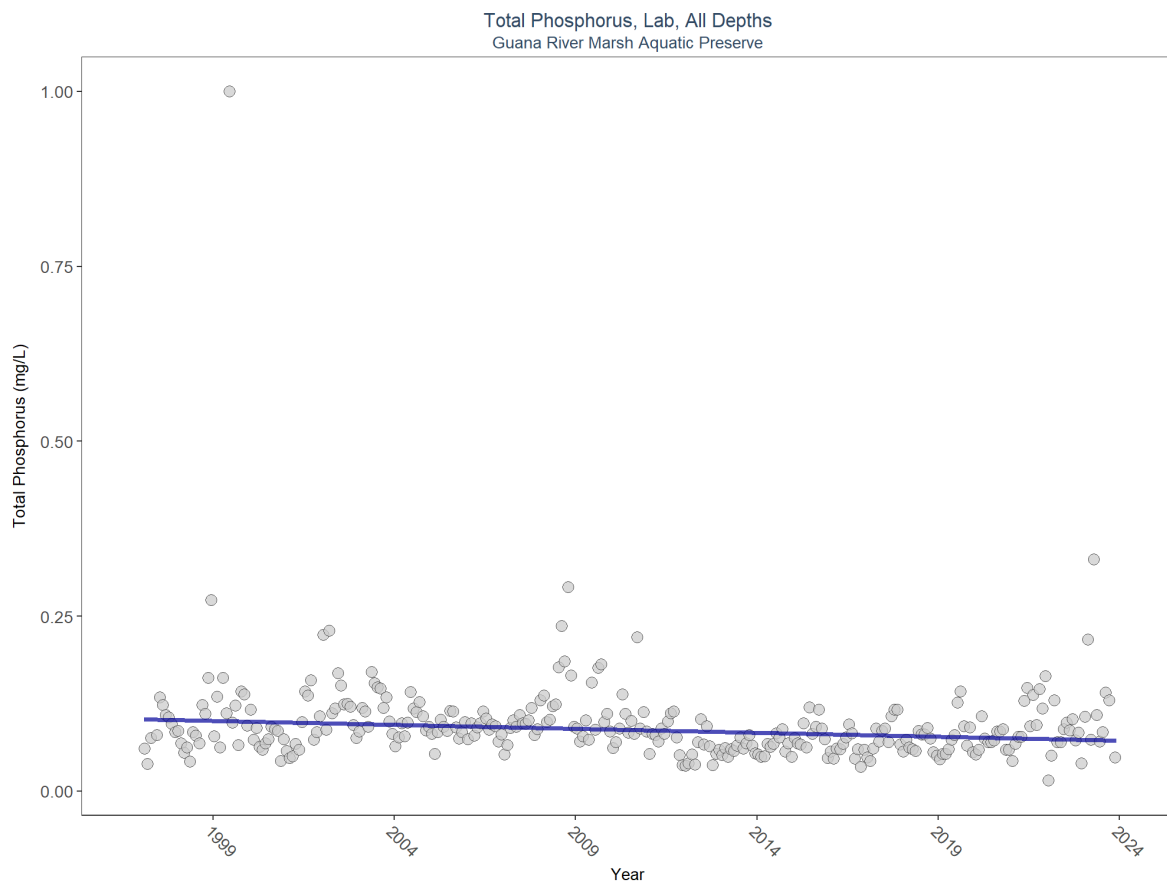


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	1935	27	0.6159	TRUE	0.093	0.0216	0.00637	0.5475227	4.9785	0.9322	1

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

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

## Total Phosphorus

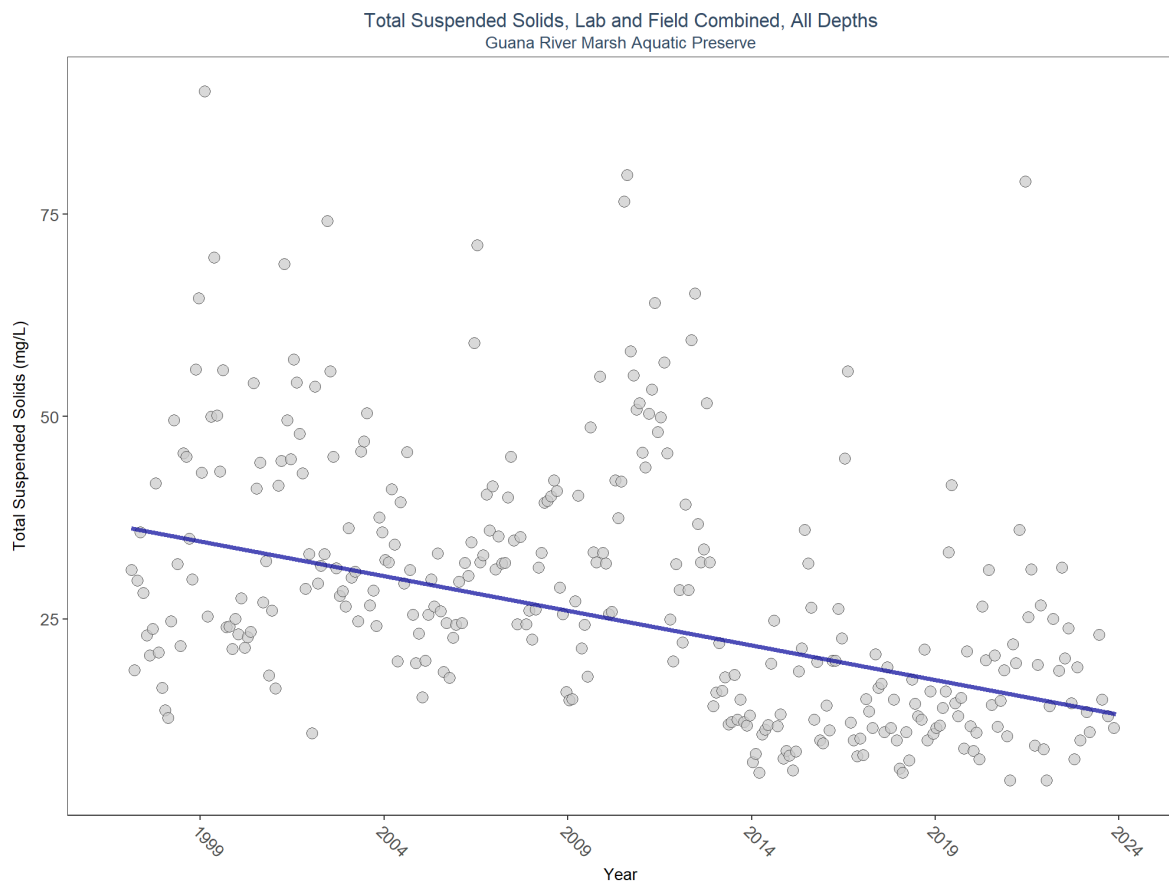


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	2716	27	0.076	TRUE	-0.2135	0.0000	-0.001149375	0.1030538	8.9194	0.6293	-1

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

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

# Total Suspended Solids

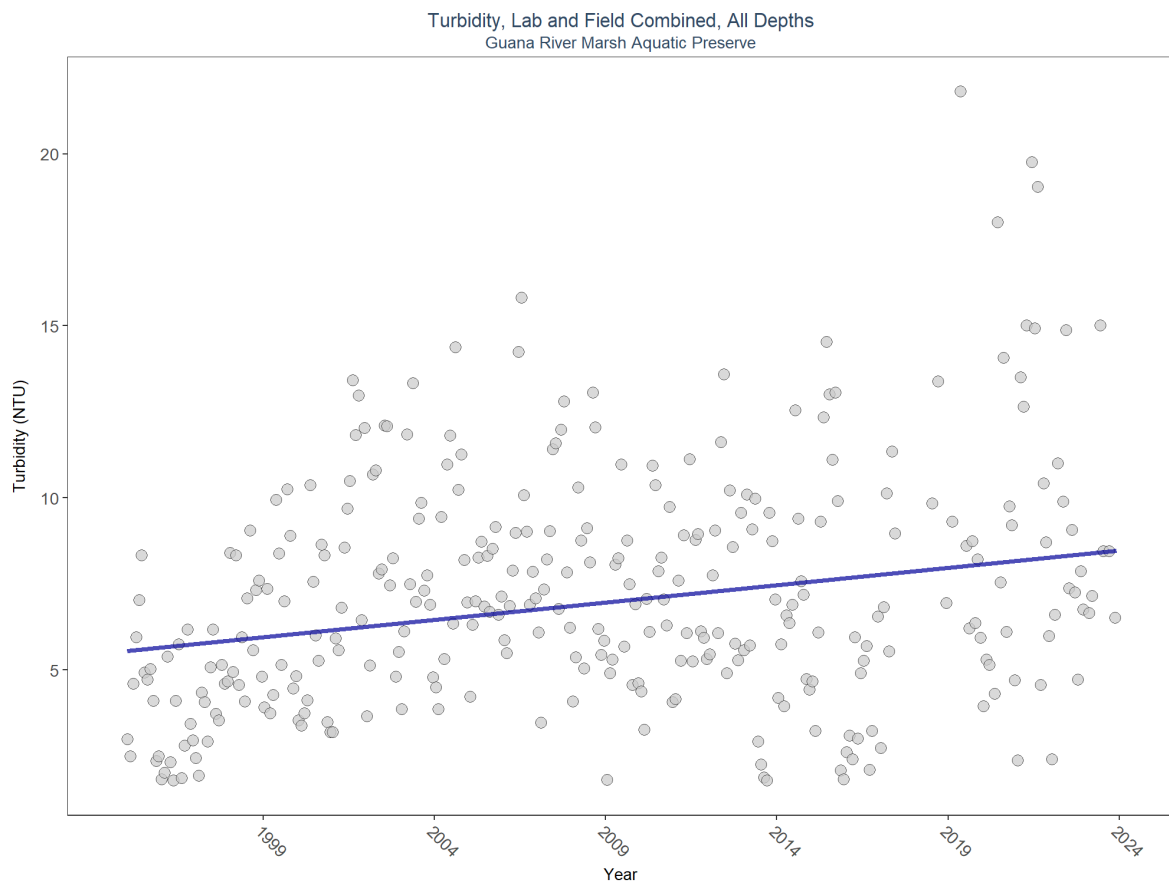


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	1939	27	25	TRUE	-0.3694	0.0000	-0.8548177	36.29543	5.5883	0.8994	-1

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

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

# Turbidity

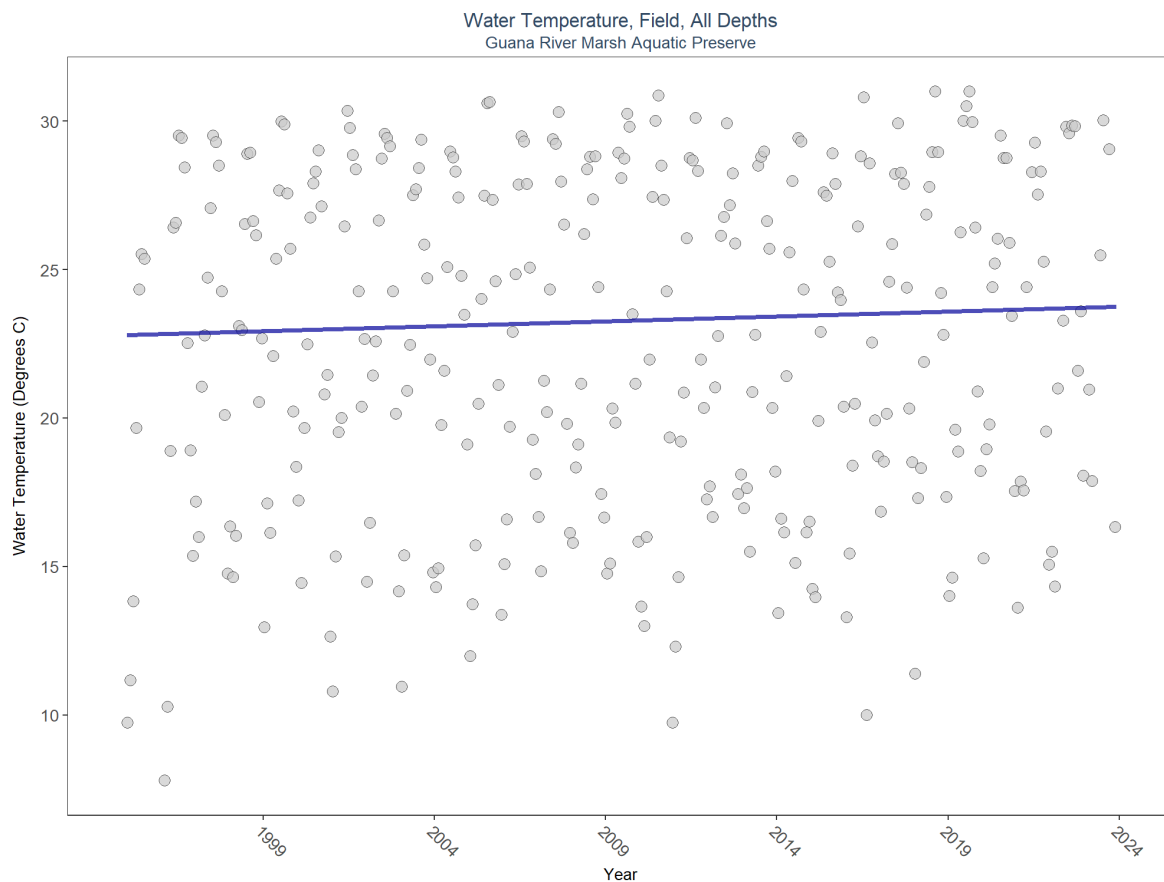


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	5270	29	5.3	TRUE	0.2096	0.0000	0.1008389	5.545604	10.7536	0.4641	1

$p < 0.00005$  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	8223	29	23.1	TRUE	0.1122	0.0033	0.03310454	22.80078	8.3643	0.6803	1

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

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