

Jensen Beach to Jupiter Inlet Aquatic Preserve
SEACAR Discrete Water Quality Analysis

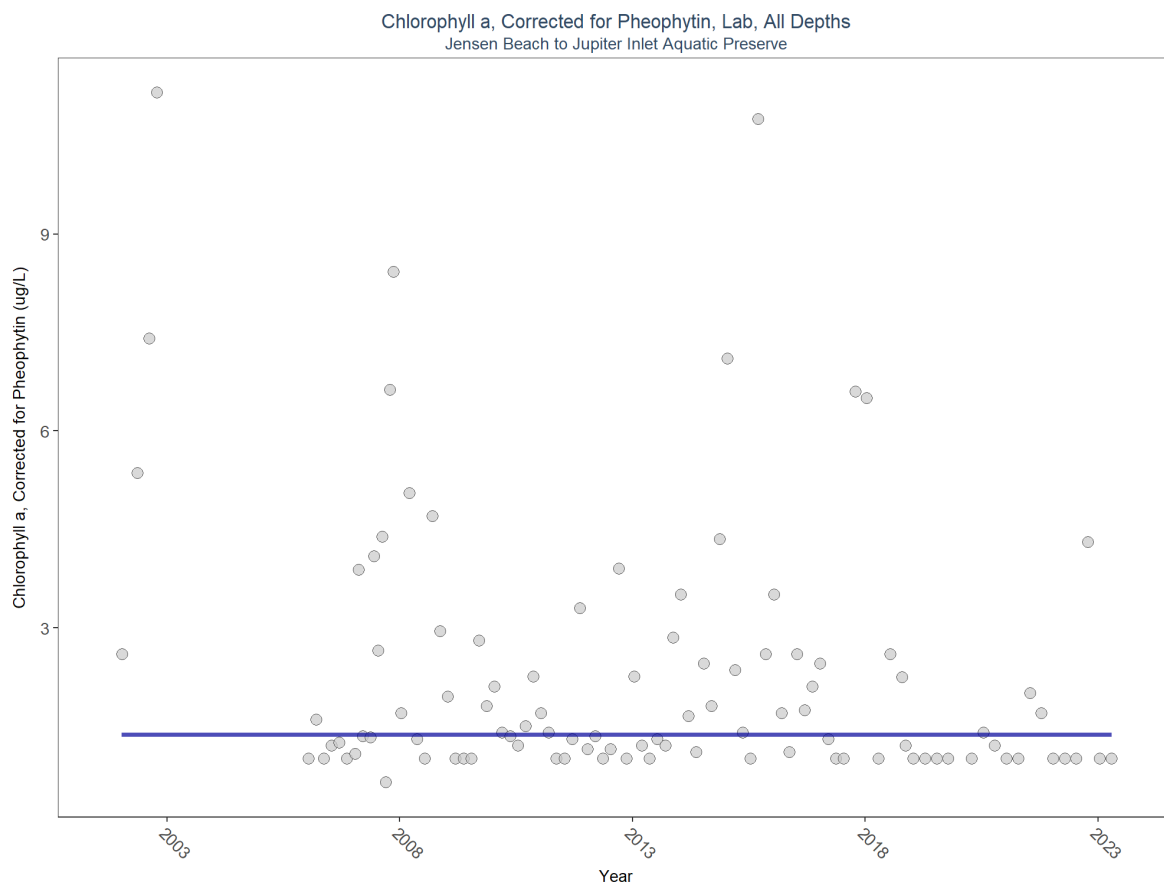
Last compiled on 26 June, 2024

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Parameters

Chlorophyll a, Corrected for Pheophytin

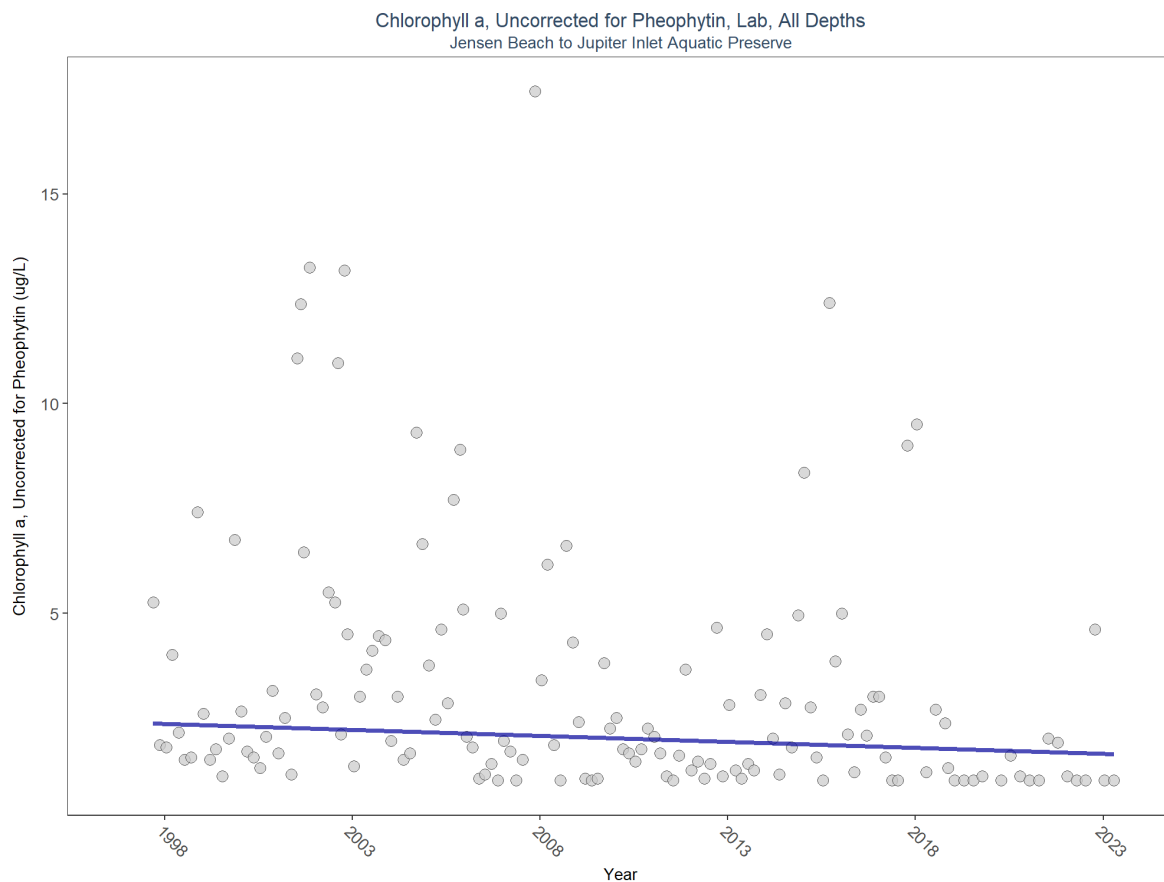


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	237	19	1.6	TRUE	-0.0638	0.7117	0	1.370313	NA	NA	0

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

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

Chlorophyll a, Uncorrected for Pheophytin

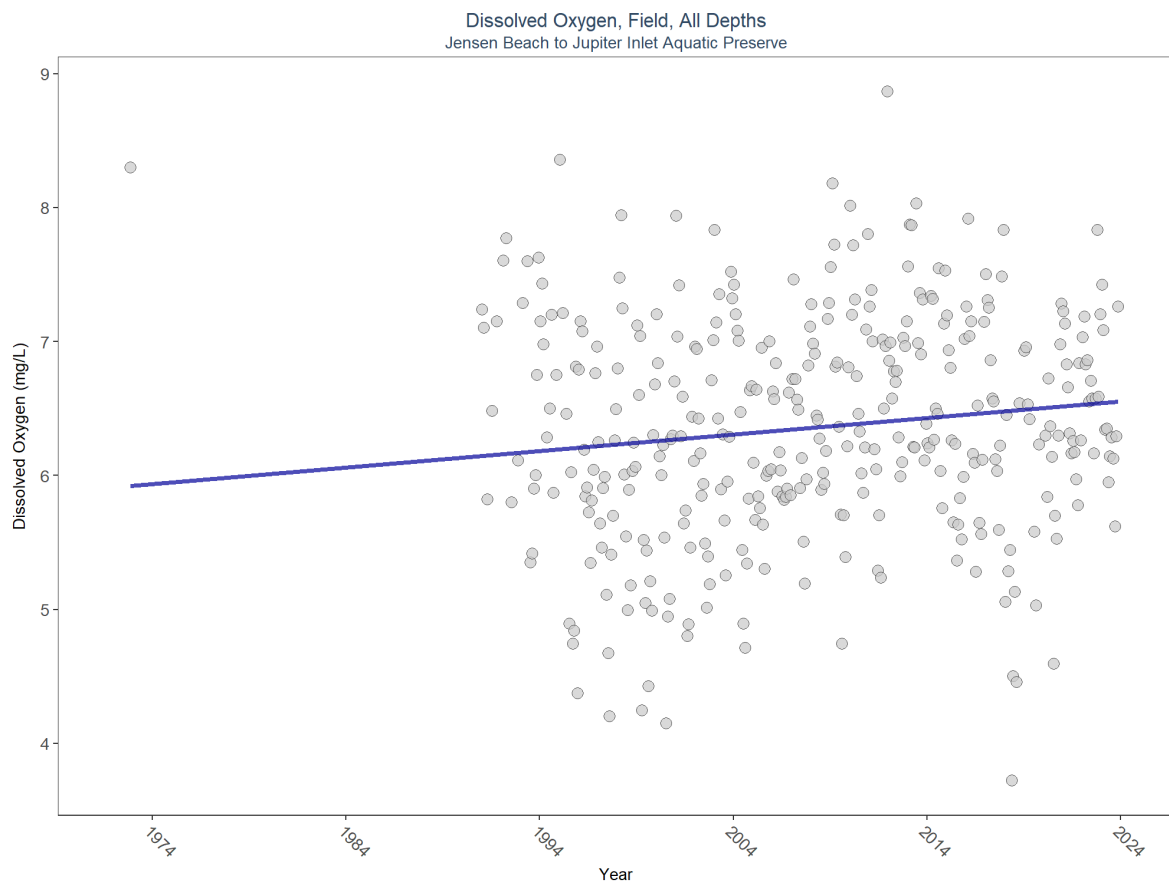


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	319	27	2.2	TRUE	-0.2152	0.0042	-0.02857143	2.39	4.2707	0.8927	-1

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

SennIntercept is intercept value at beginning of record for monitoring location

Dissolved Oxygen

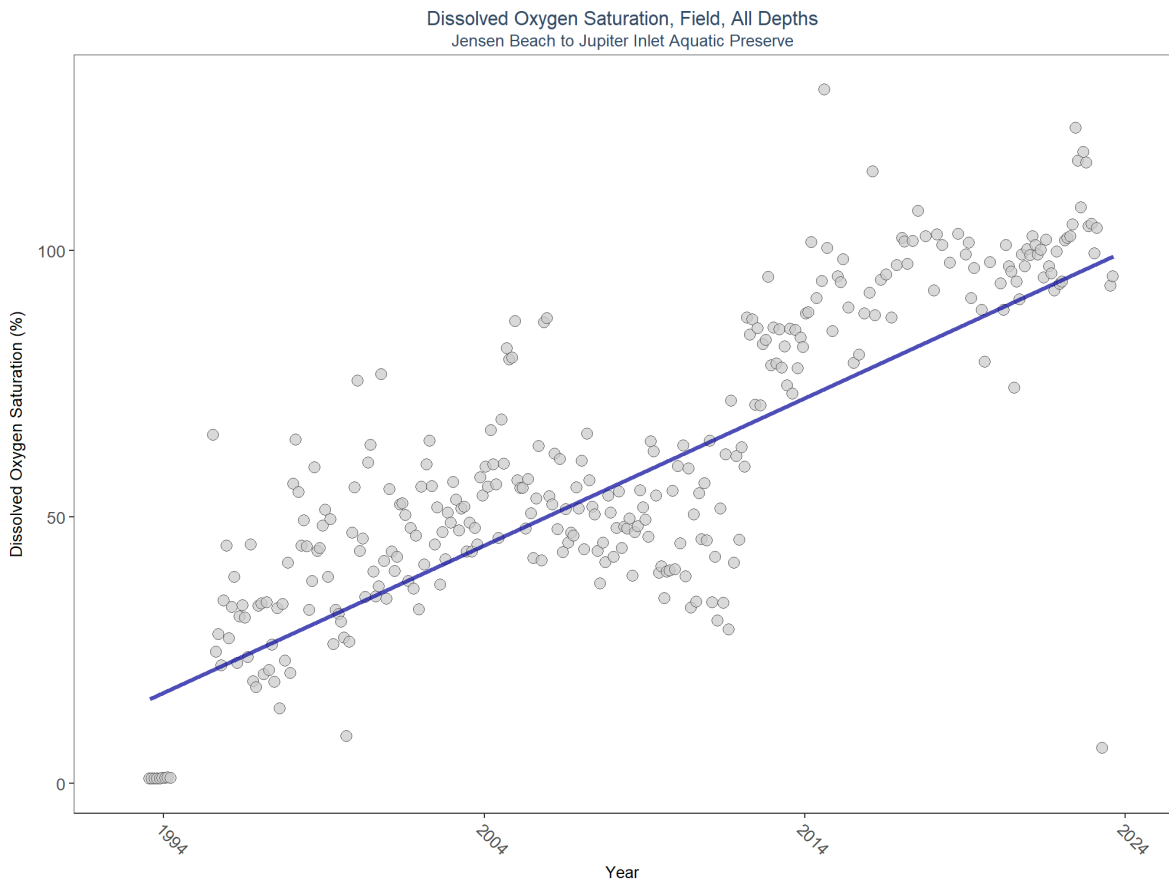


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	9613	34	6.4	TRUE	0.1331	0.0005	0.01236622	5.91049	13.5957	0.2562	1

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

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

Dissolved Oxygen Saturation

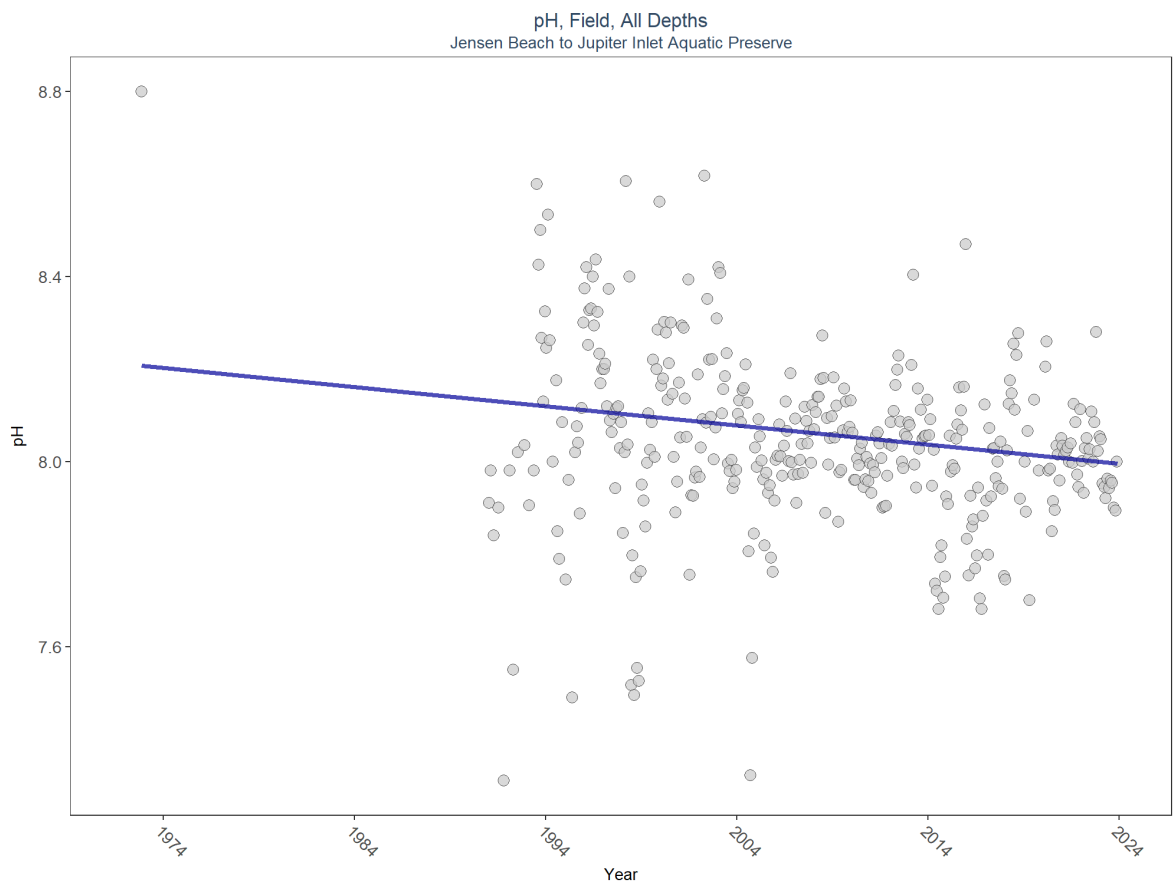


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	3923	31	75.516	TRUE	0.6437	0.0000	2.762948	14.22444	10.0962	0.5218	1

p < 0.00005 appear as 0 due to rounding.

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

pH

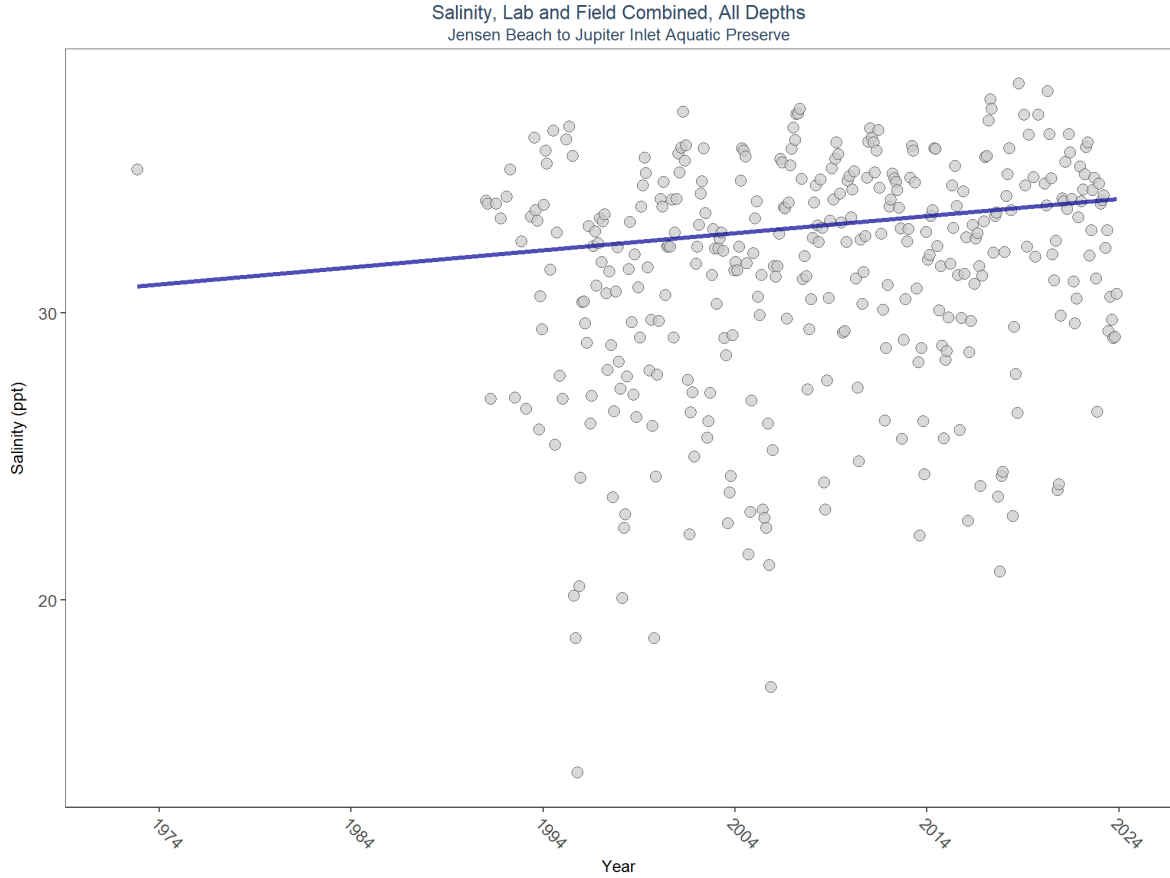


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	8638	34	8.02	TRUE	-0.167	0.0000	-0.004147638	8.211061	5.0829	0.9271	-1

p < 0.00005 appear as 0 due to rounding.

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

Salinity

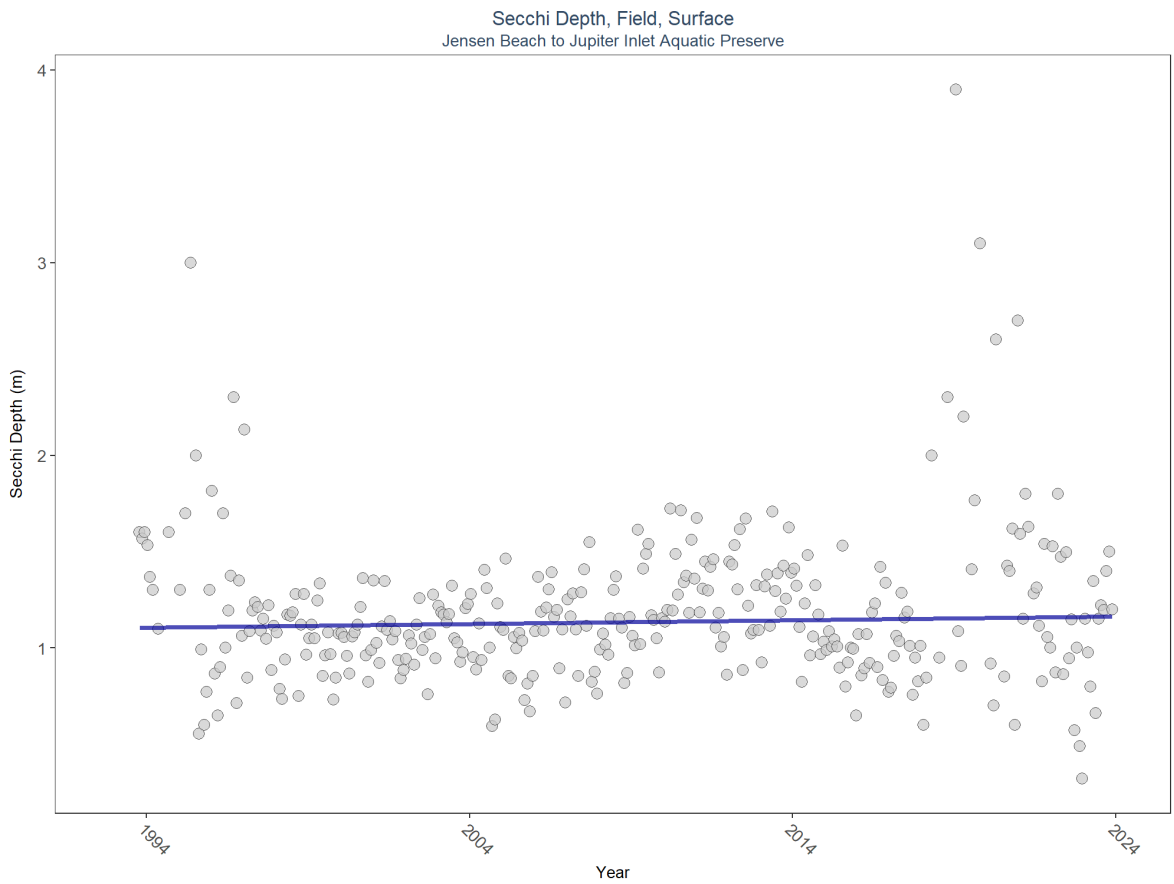


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	9503	34	32.6	TRUE	0.1277	0.0007	0.05962456	30.87727	7.8422	0.7274	1

p < 0.00005 appear as 0 due to rounding.

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

Secchi Depth

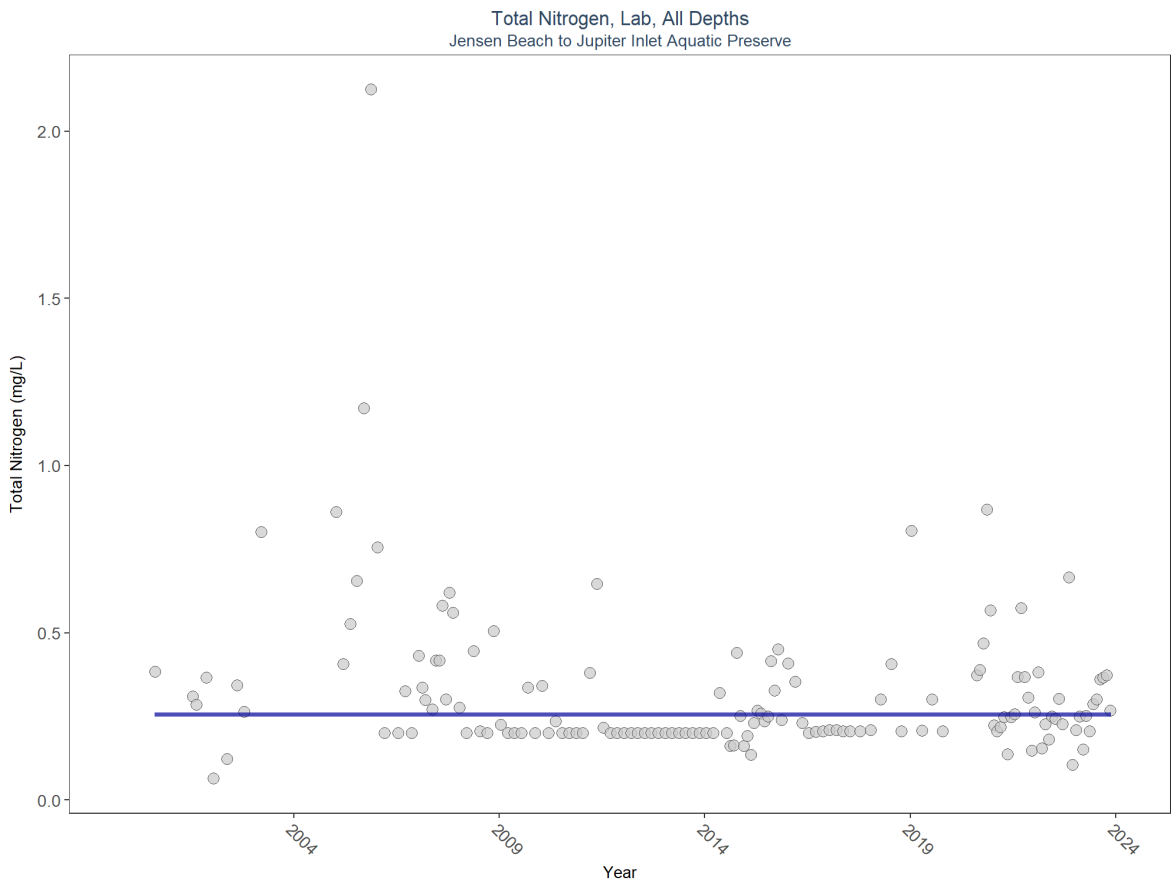


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
Surface	5231	31	1	TRUE	0.0331	0.3691	0.001953125	1.101836	19.6231	0.0508	0

p < 0.00005 appear as 0 due to rounding.

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

Total Nitrogen

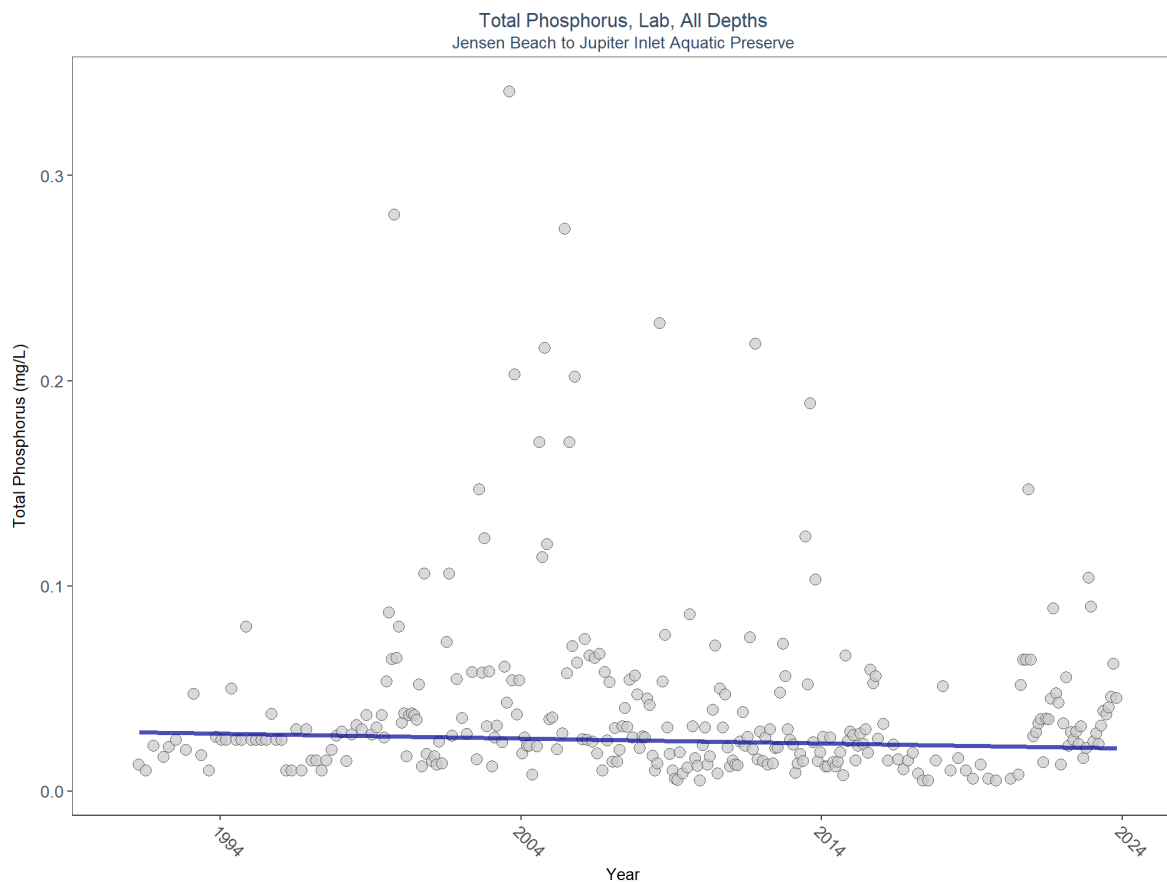


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	486	23	0.258	TRUE	-0.0802	0.2531	0	0.2567708	7.2553	0.778	0

p < 0.00005 appear as 0 due to rounding.

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

Total Phosphorus

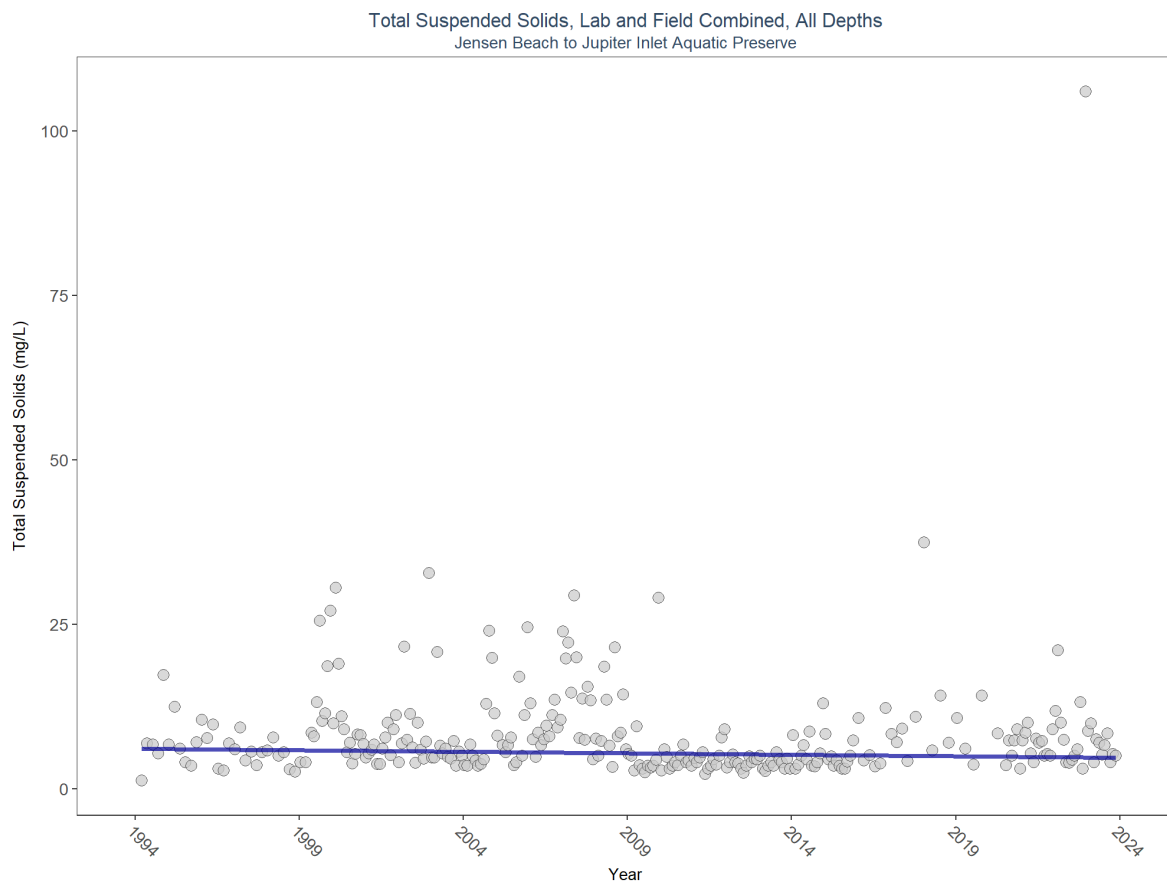


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	900	33	0.03	TRUE	-0.1051	0.0219	-0.0002320513	0.02867465	10.6782	0.4706	-1

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

SennIntercept is intercept value at beginning of record for monitoring location

Total Suspended Solids

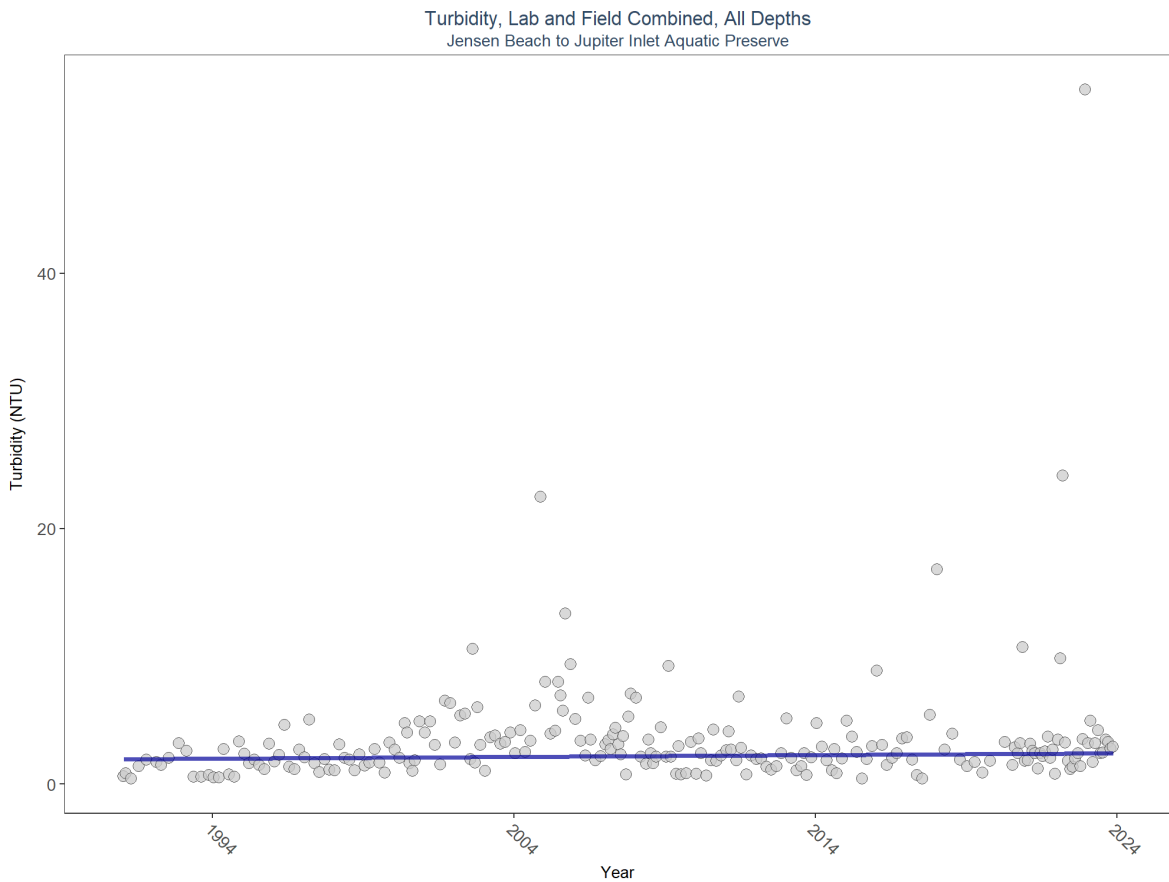


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	1047	30	6	TRUE	-0.0852	0.0643	-0.04482143	6.078571	7.7525	0.7353	0

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

SennIntercept is intercept value at beginning of record for monitoring location

Turbidity

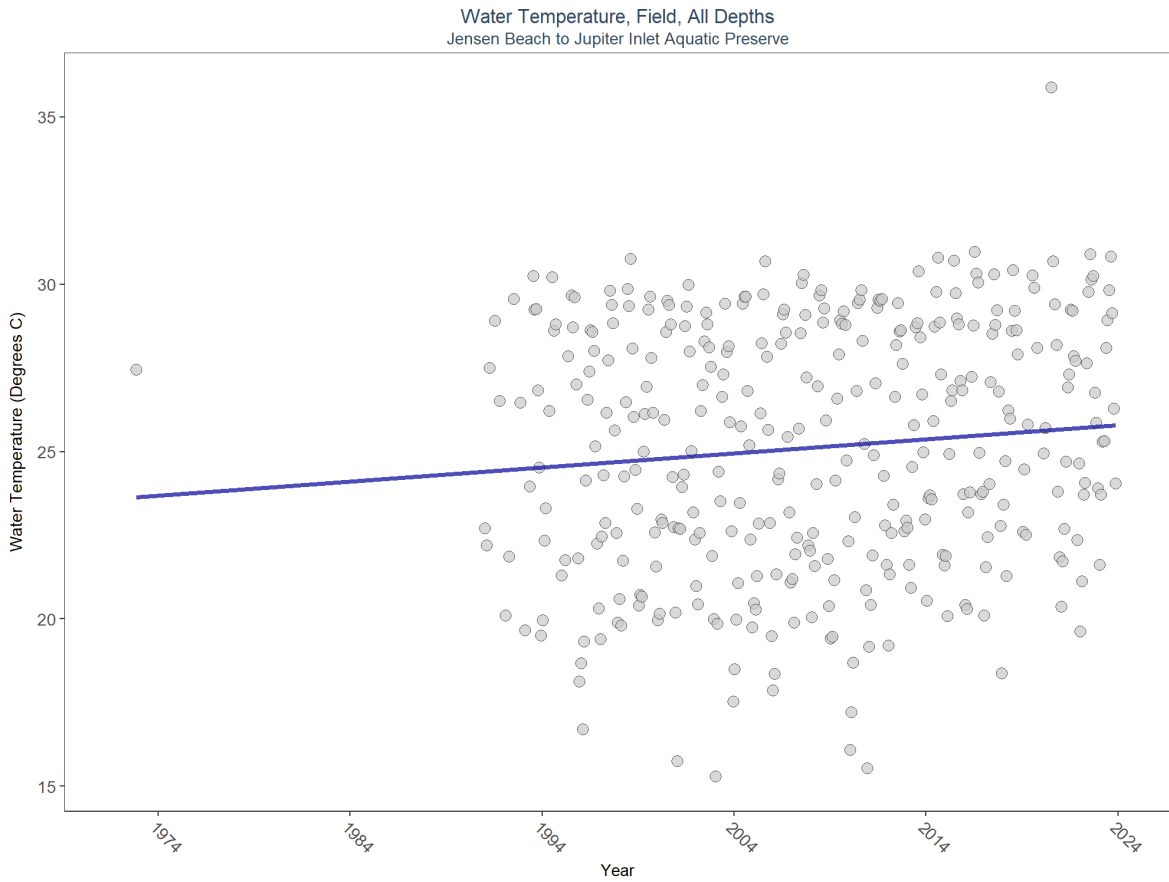


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
All	849	33	2.4	TRUE	0.0508	0.2889	0.014	1.960347	24.342	0.0114	0

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	9441	34	25.5	TRUE	0.2331	0.0000	0.04212101	23.59701	4.5206	0.9521	1

p < 0.00005 appear as 0 due to rounding.

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