

Loxahatchee River-Lake Worth Creek Aquatic Preserve

SEACAR Discrete Water Quality Analysis

Last compiled on 26 June, 2024

Contents

Parameters	2
Dissolved Oxygen	3
Dissolved Oxygen Saturation	4
pH	5
Salinity	6
265906080093500	6
265645080055900	7
265656080063500	8
All Stations Combined	9
Turbidity	10
Water Temperature	11
265906080093500	11
265645080055900	12
265656080063500	13
All Stations Combined	14

Parameters

Dissolved Oxygen

[1] “There are no monitoring locations that qualify.”

Dissolved Oxygen Saturation

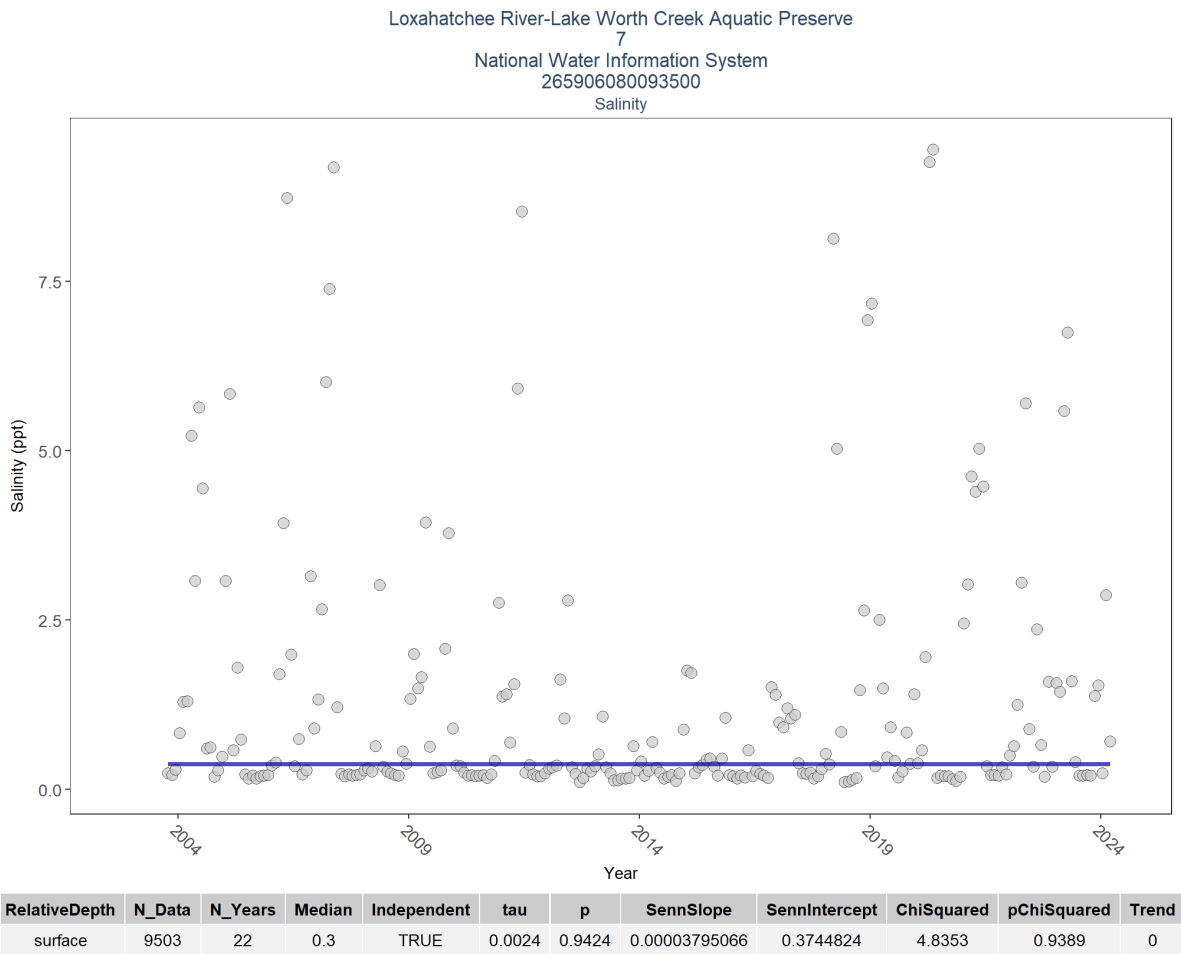
[1] “There are no monitoring locations that qualify.”

pH

[1] “There are no monitoring locations that qualify.”

Salinity

265906080093500

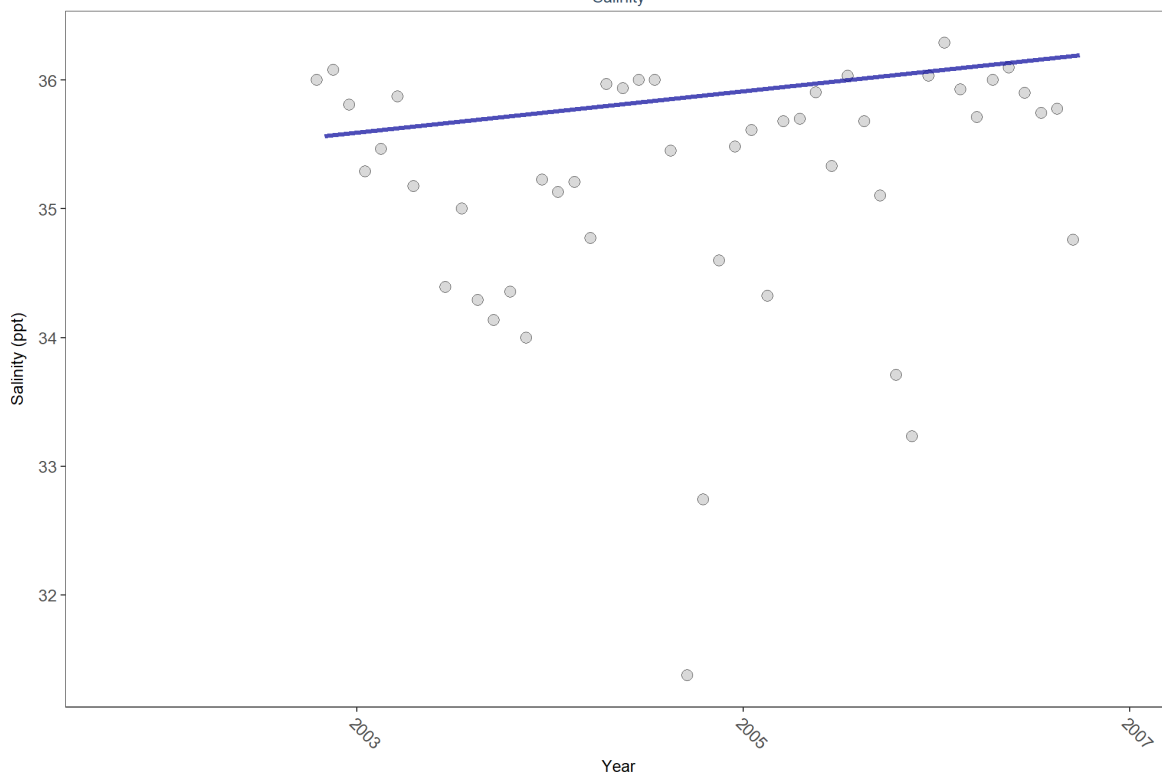


p < 0.00005 appear as 0 due to rounding.

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

265645080055900

Loxahatchee River-Lake Worth Creek Aquatic Preserve
7
National Water Information System
265645080055900
Salinity



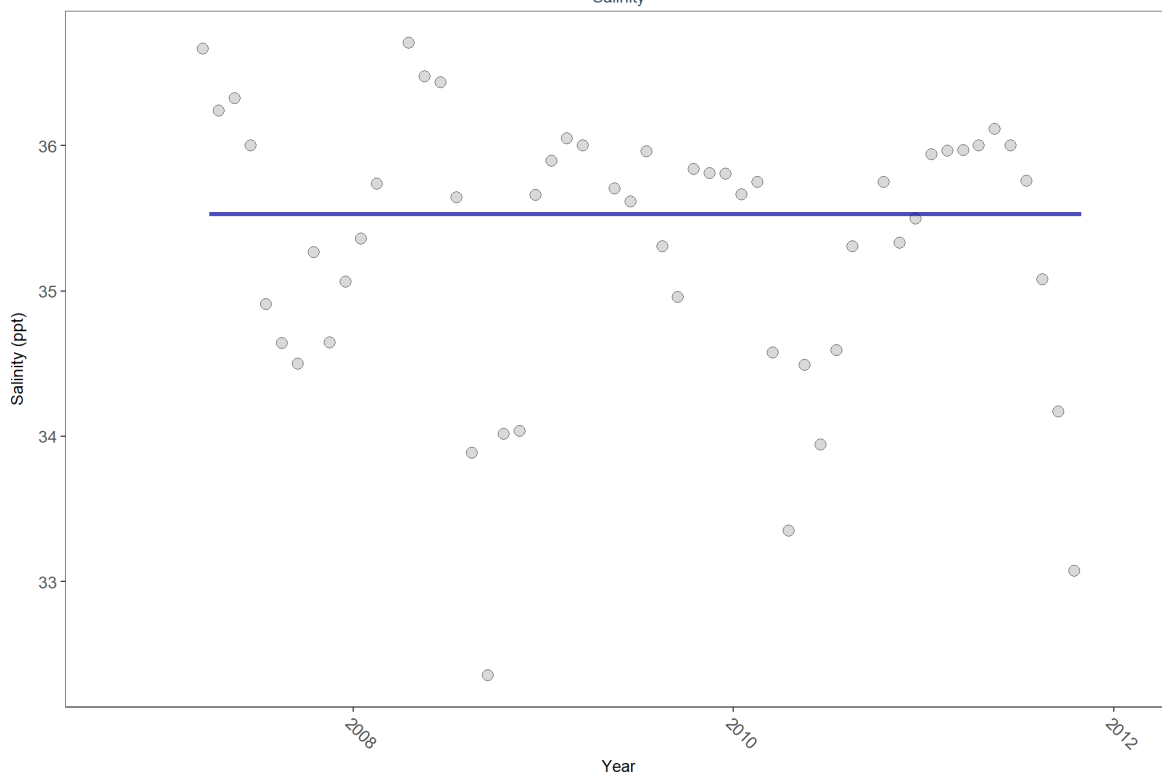
RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
surface	1354	5	36	TRUE	0.2199	0.1594	0.1612903	35.42952	11.3361	0.4156	0

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

SennIntercept is intercept value at beginning of
record for monitoring location

265656080063500

Loxahatchee River-Lake Worth Creek Aquatic Preserve
7
National Water Information System
265656080063500
Salinity



RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
surface	2046	5	36	TRUE	0.0126	1.0000	0	35.53142	8.1154	0.7029	0

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

SennIntercept is intercept value at beginning of
record for monitoring location

All Stations Combined

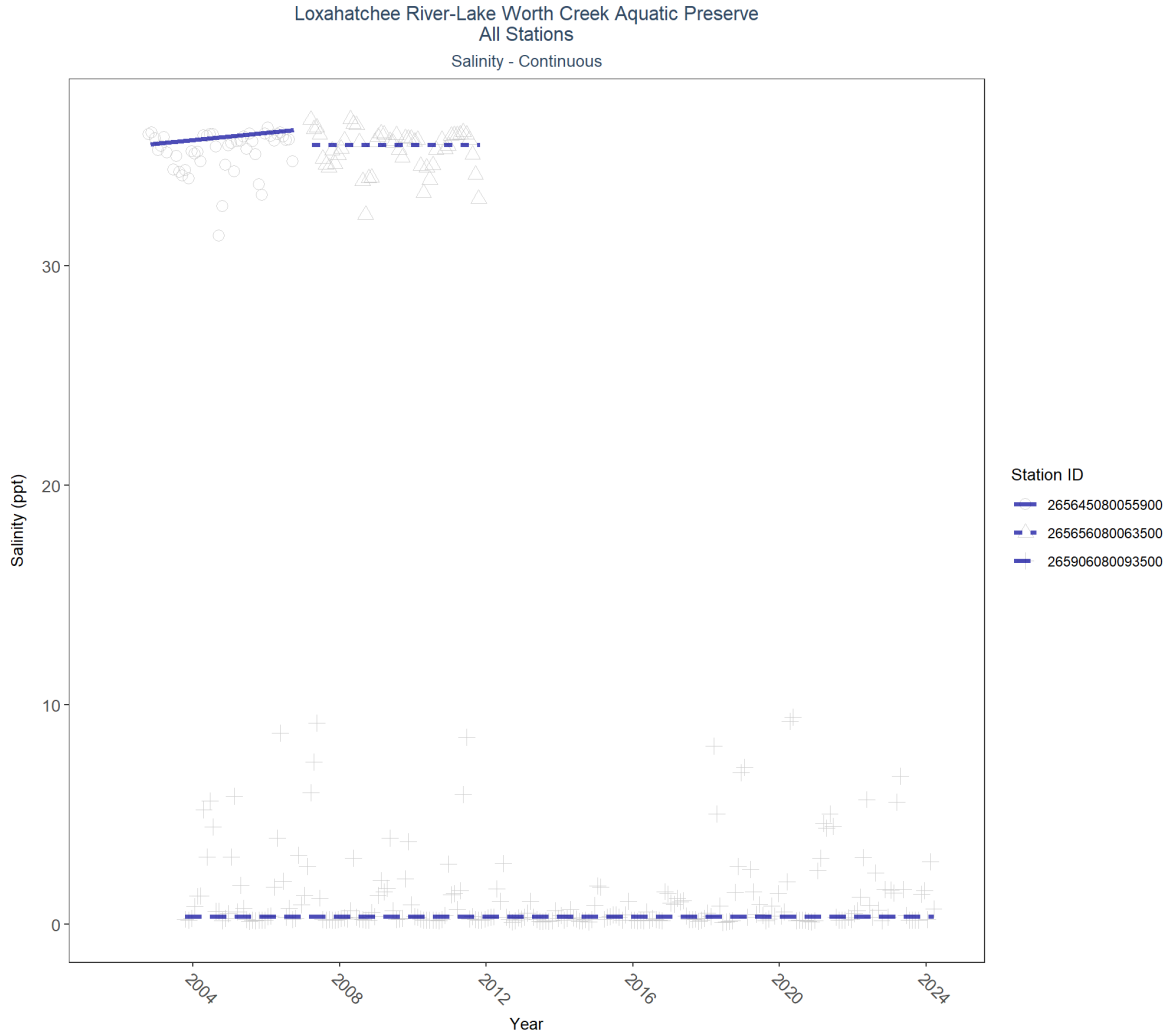


Table 1: Seasonal Kendall-Tau Results for All Stations - Salinity

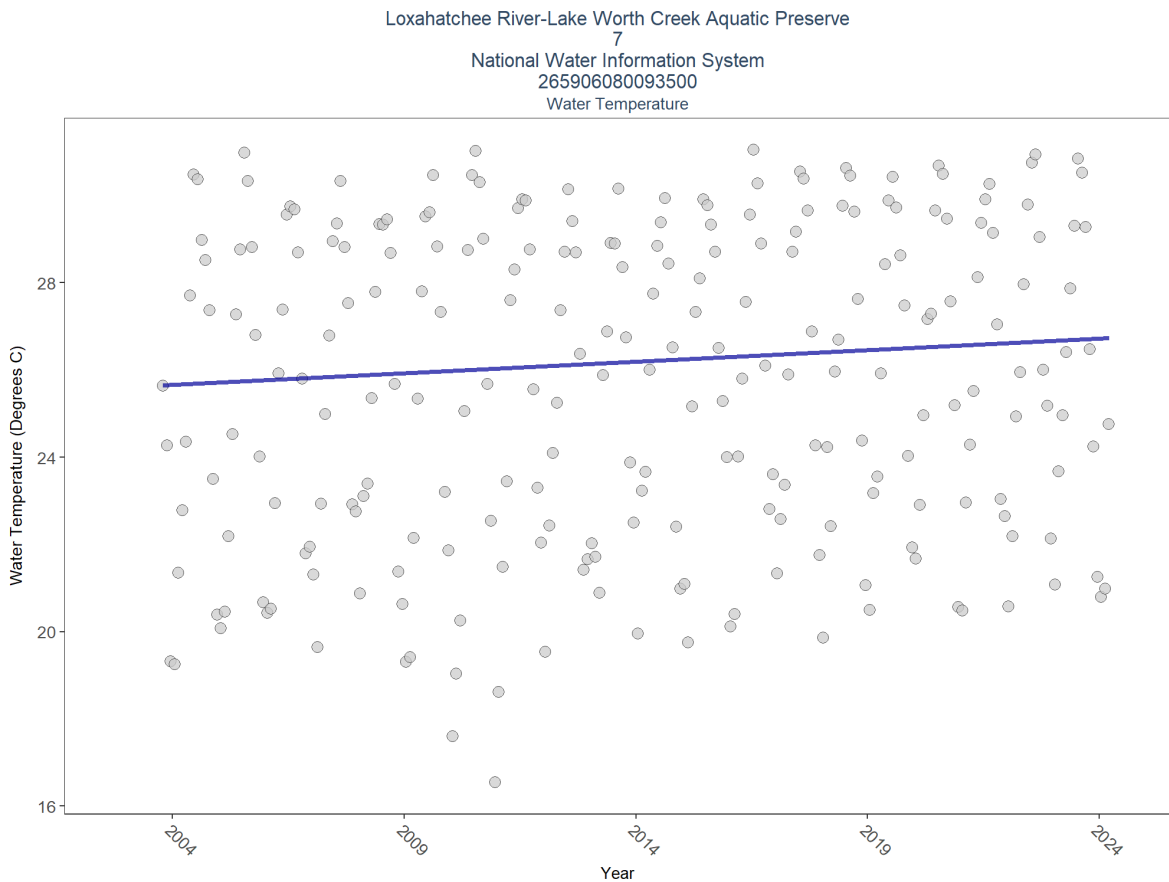
Station	N_Data	N_Years	Period of Record	Median	tau	SennIntercept	SennSlope	p
265906080093500	9503	22	2003 - 2024	0.3	0	0.37	0	0.9424
265645080055900	1354	5	2002 - 2006	36.0	0.22	35.43	0.16	0.1594
265656080063500	2046	5	2007 - 2011	36.0	0.01	35.53	0	1.0000
02277743	910	3	2019 - 2021	36.0	-	-	-	-

Turbidity

[1] “There are no monitoring locations that qualify.”

Water Temperature

265906080093500

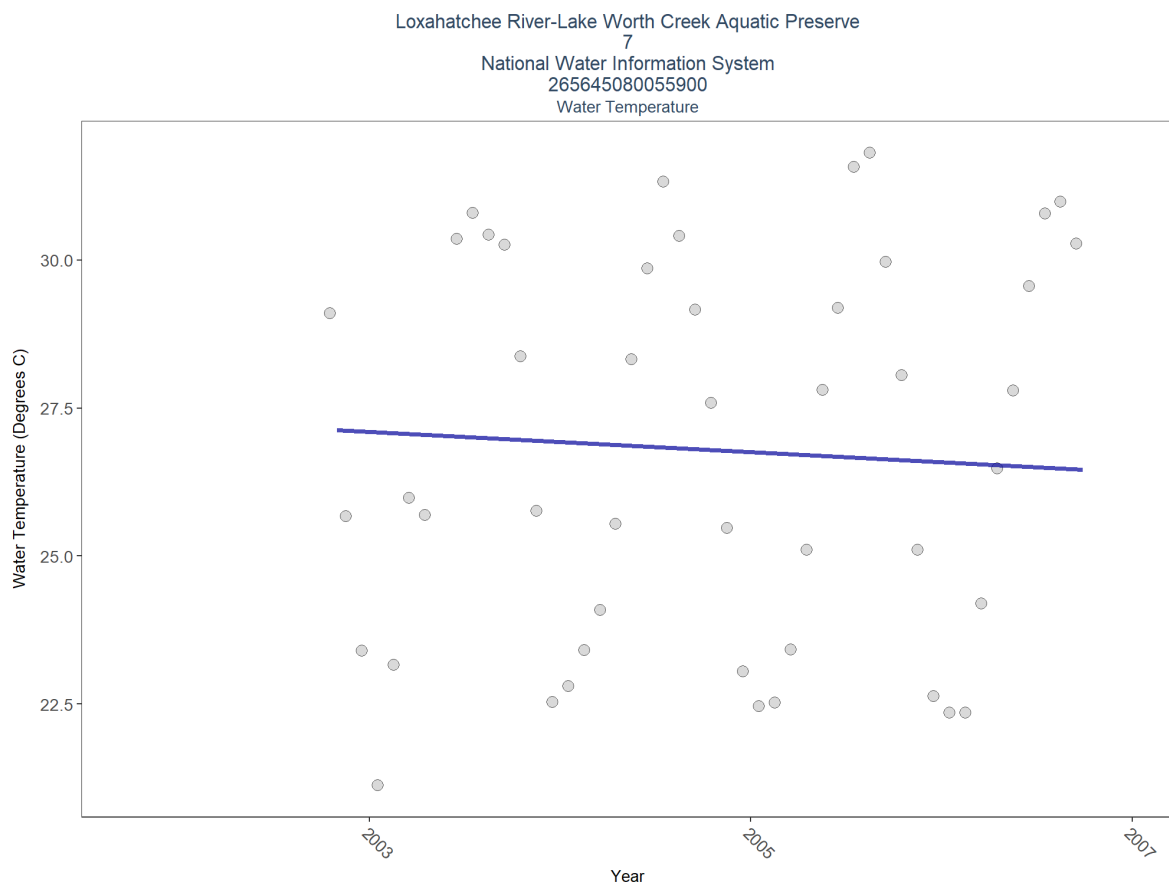


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
surface	11603	22	26.2	TRUE	0.2864	0.0000	0.05322015	25.60472	6.1346	0.8642	1

p < 0.00005 appear as 0 due to rounding.

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

265645080055900

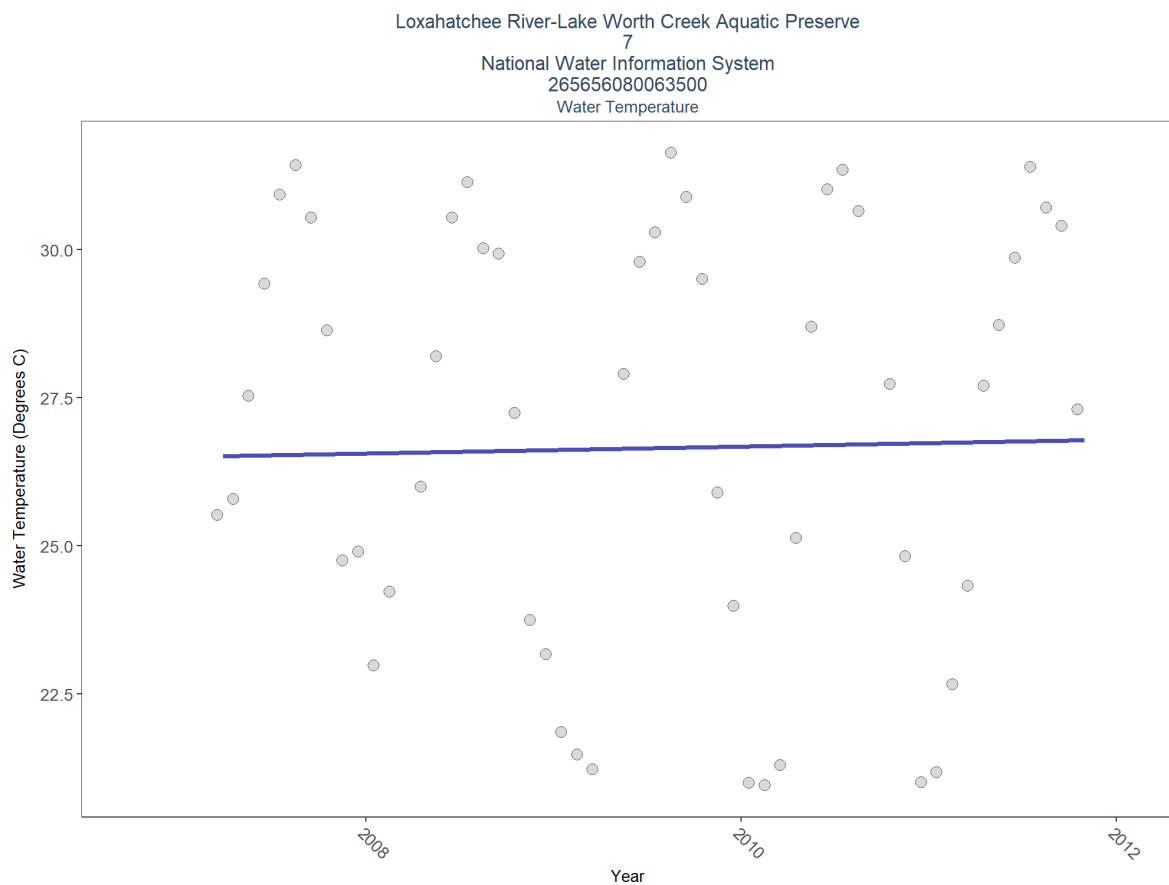


RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
surface	1354	5	26.6	TRUE	-0.2908	0.0704	-0.1714286	27.2682	7.6001	0.7486	0

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

SennIntercept is intercept value at beginning of
record for monitoring location

265656080063500



RelativeDepth	N_Data	N_Years	Median	Independent	tau	p	SennSlope	SennIntercept	ChiSquared	pChiSquared	Trend
surface	2664	5	27.6	TRUE	0.0755	0.4533	0.05735097	26.50424	11.982	0.365	0

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

SennIntercept is intercept value at beginning of record for monitoring location

All Stations Combined

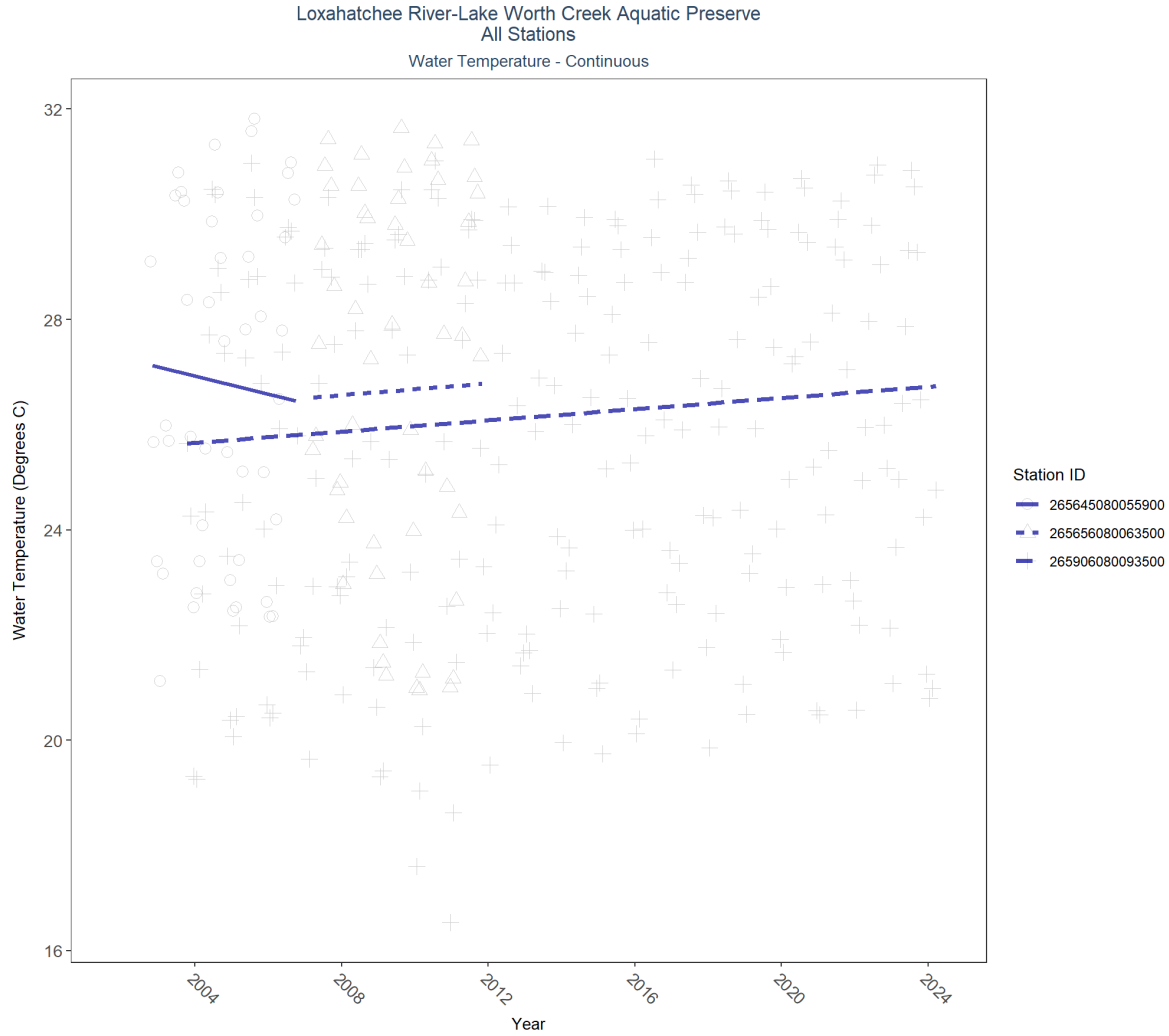


Table 2: Seasonal Kendall-Tau Results for All Stations - Water Temperature

Station	N_Data	N_Years	Period of Record	Median	tau	SennIntercept	SennSlope	p
265906080093500	11603	22	2003 - 2024	26.2	0.29	25.6	0.05	0.0000
265645080055900	1354	5	2002 - 2006	26.6	-0.29	27.27	-0.17	0.0704
265656080063500	2664	5	2007 - 2011	27.6	0.08	26.5	0.06	0.4533
02277743	1075	3	2019 - 2021	27.9	-	-	-	-