Biscayne Bay Aquatic Preserve SEACAR Discrete Water Quality Analysis

Last compiled on 26 June, 2024

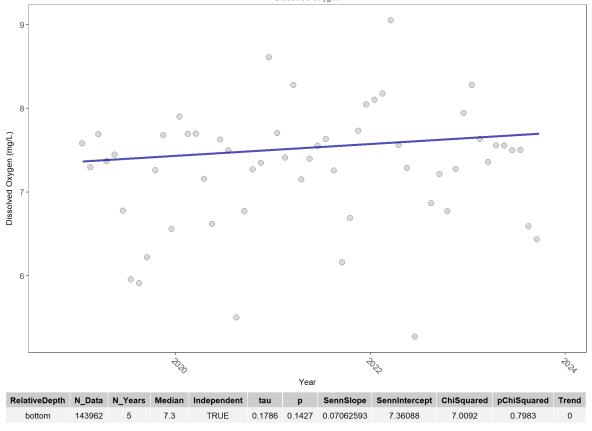
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Parameters

Dissolved Oxygen BBBB14

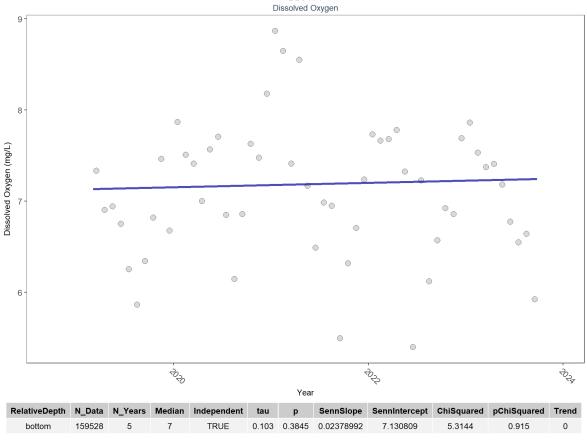
Biscayne Bay Aquatic Preserve 5077
Biscayne Bay Aquatic Preserves Continuous Water Quality Monitoring BBB14
Dissolved Oxygen



p < 0.00005 appear as 0 due to rounding.

BBJT71

Biscayne Bay Aquatic Preserve
5077
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BBJT71



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Biscayne Bay Aquatic Preserve All Stations

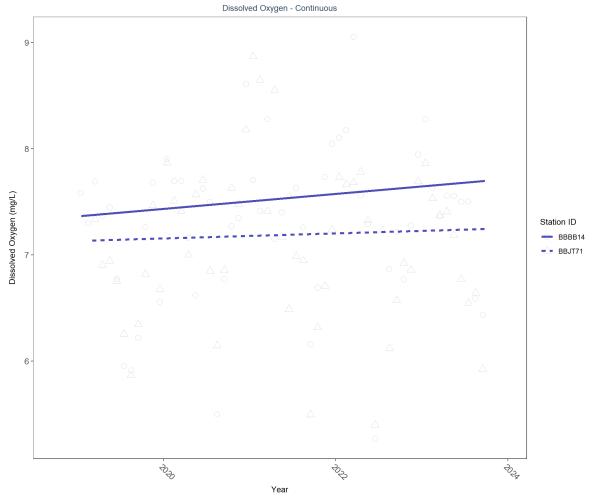
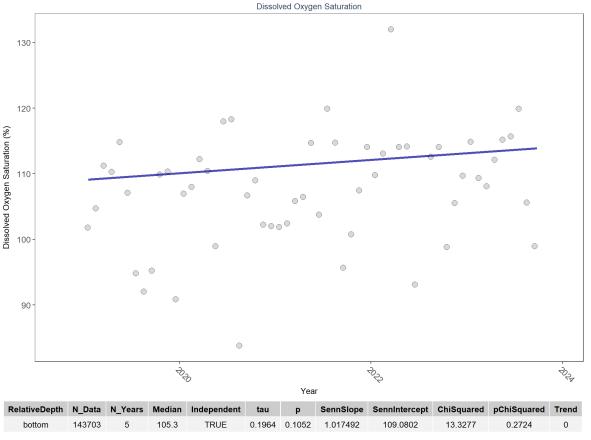


Table 1: Seasonal Kendall-Tau Results for All Stations - Dissolved Oxygen

Station	N_Data	N_Years	Period of Record	Median	tau	SennIntercept	SennSlope	p
BBMRDW	84141	3	2021 - 2023	4.5	-	-	-	-
BBMRRB	59422	2	2022 - 2023	6.4	_	-	_	-
BBBB14	143962	5	2019 - 2023	7.3	0.18	7.36	0.07	0.1427
BBLR03	112890	4	2020 - 2023	4.1	_	-	_	-
BBCWA4	53909	2	2022 - 2023	6.5	_	-	_	-
BBJT71	159528	5	2019 - 2023	7.0	0.1	7.13	0.02	0.3845

Dissolved Oxygen Saturation BBBB14

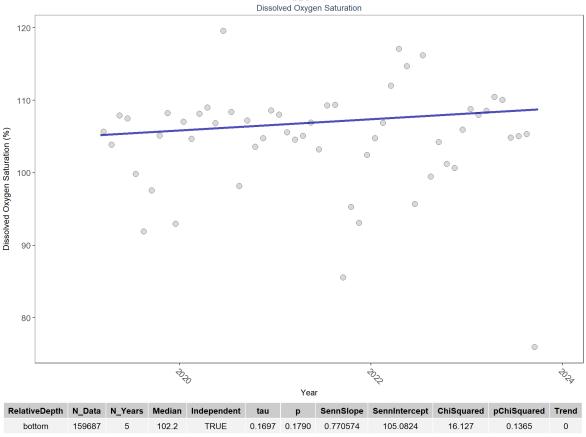
Biscayne Bay Aquatic Preserve 5077 Biscayne Bay Aquatic Preserves Continuous Water Quality Monitoring BBBB14



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BBJT71

Biscayne Bay Aquatic Preserve 5077 Biscayne Bay Aquatic Preserves Continuous Water Quality Monitoring BBJT71



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Biscayne Bay Aquatic Preserve All Stations

Dissolved Oxygen Saturation - Continuous

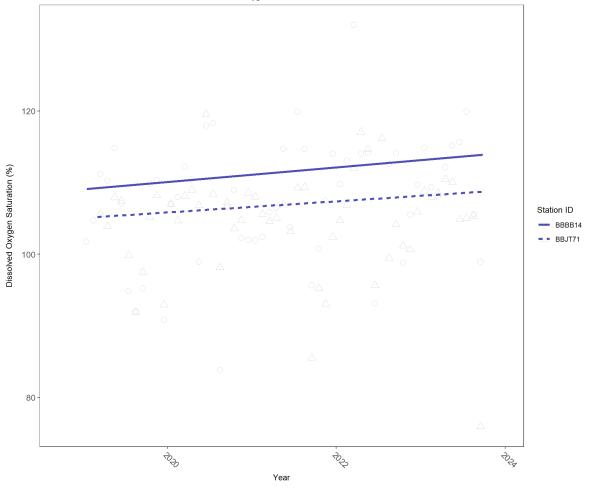
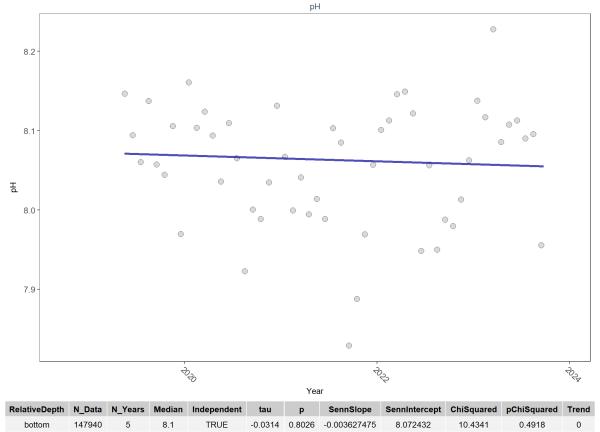


Table 2: Seasonal Kendall-Tau Results for All Stations - Dissolved Oxygen Saturation

Station	N_Data	N_Years	Period of Record	Median	tau	SennIntercept	SennSlope	p
BBBB14	143703	5	2019 - 2023	105.3	0.2	109.08	1.02	0.1052
BBCWA4	57632	2	2022 - 2023	98.0	-	-	-	-
BBJT71	159687	5	2019 - 2023	102.2	0.17	105.08	0.77	0.1790
BBMRDW	84142	3	2021 - 2023	60.3	-	-	-	-
BBMRRB	59430	2	2022 - 2023	96.2	-	-	-	-
BBLR03	112890	4	2020 - 2023	56.8	-	-	-	-

pHBBJT71

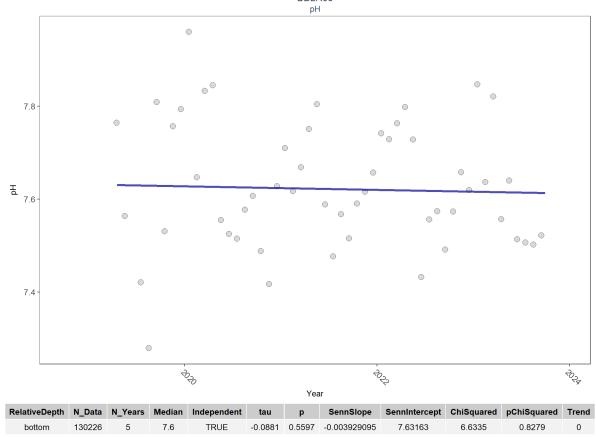
Biscayne Bay Aquatic Preserve 5077 Biscayne Bay Aquatic Preserves Continuous Water Quality Monitoring BBJT71



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BBLR03

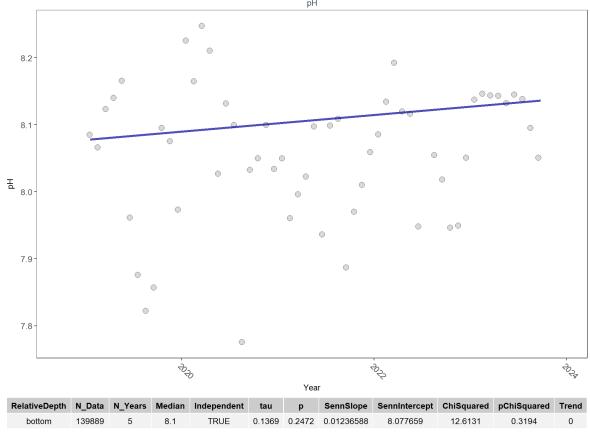
Biscayne Bay Aquatic Preserve 5077 Biscayne Bay Aquatic Preserves Continuous Water Quality Monitoring BBLR03



p < 0.00005 appear as 0 due to rounding.

BBBB14

Biscayne Bay Aquatic Preserve 5077 Biscayne Bay Aquatic Preserves Continuous Water Quality Monitoring BBBB14



p < 0.00005 appear as 0 due to rounding.

Biscayne Bay Aquatic Preserve All Stations pH - Continuous

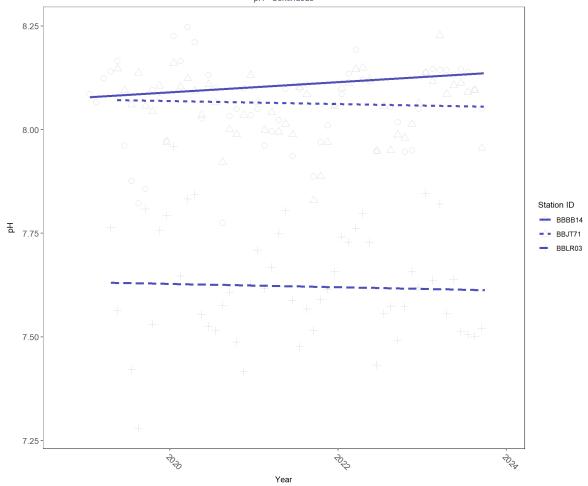
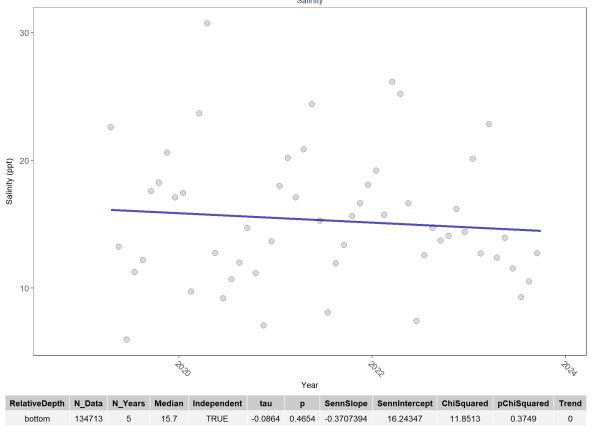


Table 3: Seasonal Kendall-Tau Results for All Stations - pH

Station	N_Data	N_Years	Period of Record	Median	tau	SennIntercept	SennSlope	р
BBJT71	147940	5	2019 - 2023	8.1	-0.03	8.07	0	0.8026
BBLR03	130226	5	2019 - 2023	7.6	-0.09	7.63	0	0.5597
BBBB14	139889	5	2019 - 2023	8.1	0.14	8.08	0.01	0.2472
BBCWA4	57814	2	2022 - 2023	8.0	-	-	-	-
BBMRDW	80596	3	2021 - 2023	7.6	-	-	_	-
BBMRRB	59474	2	2022 - 2023	8.0	-	-	-	-

Salinity BBLR03

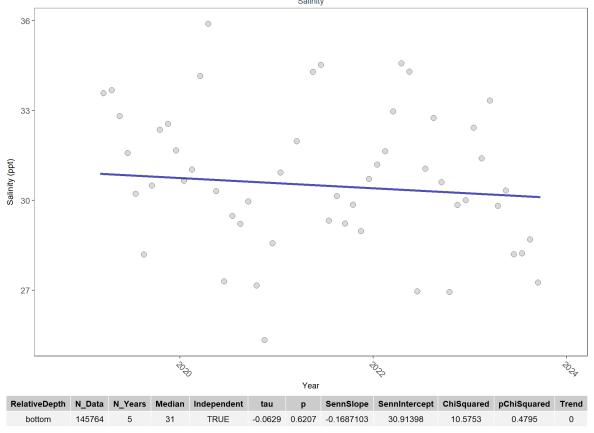
Biscayne Bay Aquatic Preserve 5077 Biscayne Bay Aquatic Preserves Continuous Water Quality Monitoring BBLR03 Salinity



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BBJT71

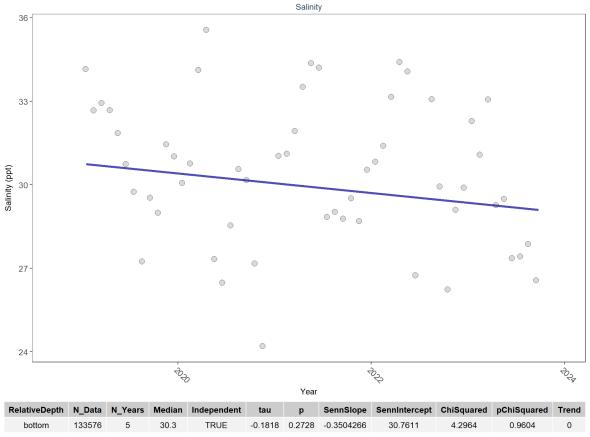
Biscayne Bay Aquatic Preserve
5077
Biscayne Bay Aquatic Preserves Continuous Water Quality Monitoring
BBJT71
Salinity



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BBBB14

Biscayne Bay Aquatic Preserve 5077 Biscayne Bay Aquatic Preserves Continuous Water Quality Monitoring BBBB14



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Biscayne Bay Aquatic Preserve All Stations

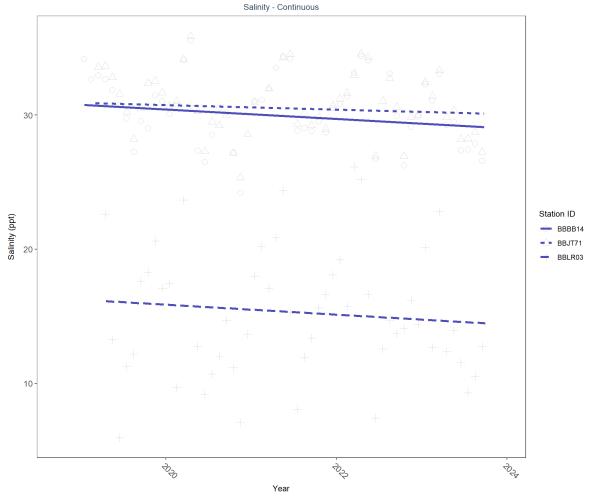
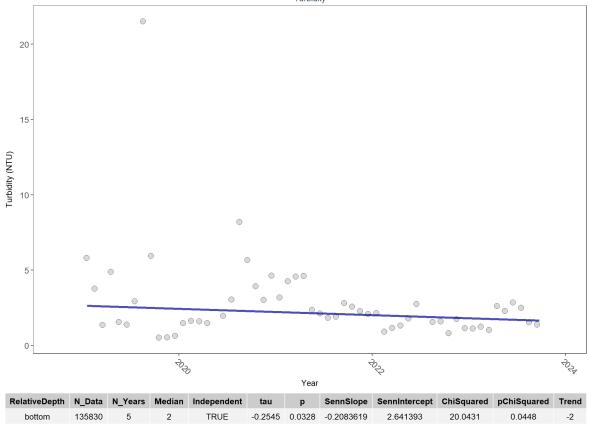


Table 4: Seasonal Kendall-Tau Results for All Stations - Salinity

Station	N_Data	N_Years	Period of Record	Median	tau	SennIntercept	SennSlope	р
BBLR03	134713	5	2019 - 2023	15.7	-0.09	16.24	-0.37	0.4654
BBMRDW	82270	3	2021 - 2023	11.1	-	-	-	-
BBJT71	145764	5	2019 - 2023	31.0	-0.06	30.91	-0.17	0.6207
BBCWA4	52024	2	2022 - 2023	33.7	-	-	_	-
BBBB14	133576	5	2019 - 2023	30.3	-0.18	30.76	-0.35	0.2728
BBMRRB	59430	2	2022 - 2023	33.1	-	-	-	-

Turbidity BBBB14

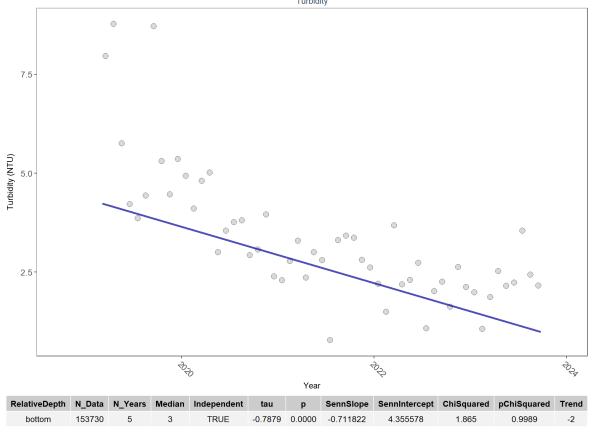
Biscayne Bay Aquatic Preserve
5077
Biscayne Bay Aquatic Preserves Continuous Water Quality Monitoring
BBBB14
Turbidity



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BBJT71

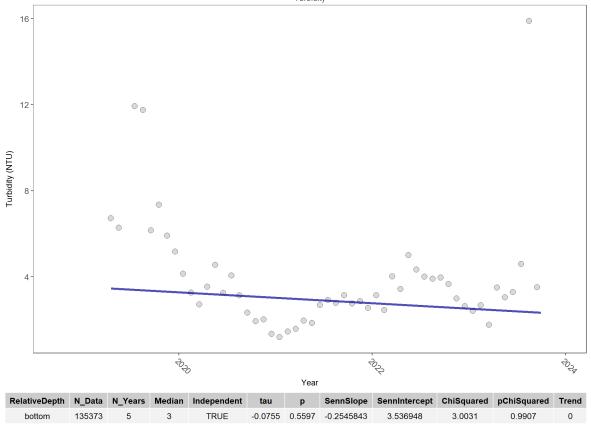
Biscayne Bay Aquatic Preserve 5077 Biscayne Bay Aquatic Preserves Continuous Water Quality Monitoring BBJT71 Turbidity



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BBLR03

Biscayne Bay Aquatic Preserve
5077
Biscayne Bay Aquatic Preserves Continuous Water Quality Monitoring
BBLR03
Turbidity



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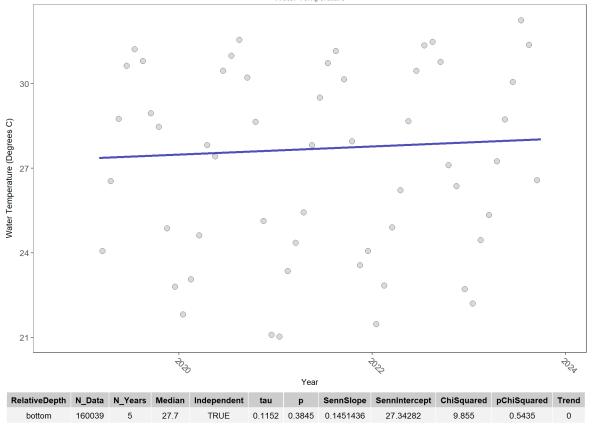
Biscayne Bay Aquatic Preserve All Stations Turbidity - Continuous

Table 5: Seasonal Kendall-Tau Results for All Stations - Turbidity

Station	N_Data	N_Years	Period of Record	Median	tau	SennIntercept	SennSlope	р
BBBB14	135830	5	2019 - 2023	2	-0.25	2.64	-0.21	0.0328
BBMRDW	83887	3	2021 - 2023	2	-	-	-	-
BBMRRB	58662	2	2022 - 2023	3	-	-	-	-
BBJT71	153730	5	2019 - 2023	3	-0.79	4.36	-0.71	0.0000
BBCWA4	55231	2	2022 - 2023	2	-	-	-	-
BBLR03	135373	5	2019 - 2023	3	-0.08	3.54	-0.25	0.5597

Water Temperature BBJT71

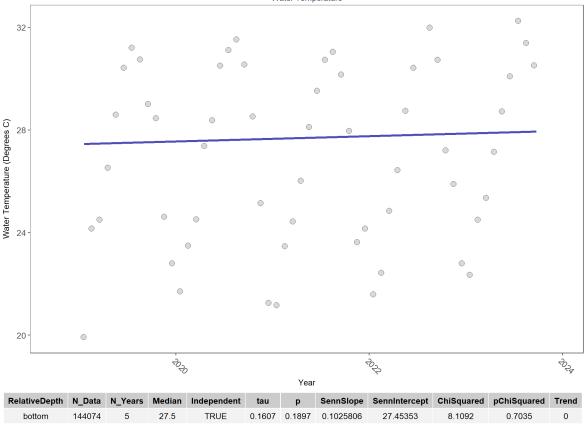
Biscayne Bay Aquatic Preserve 5077
Biscayne Bay Aquatic Preserves Continuous Water Quality Monitoring BBJT71
Water Temperature



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BBBB14

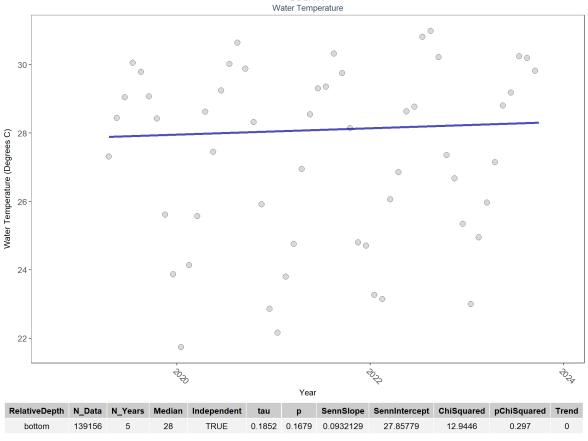
Biscayne Bay Aquatic Preserve 5077 Biscayne Bay Aquatic Preserves Continuous Water Quality Monitoring BBBB14 Water Temperature



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BBLR03

Biscayne Bay Aquatic Preserve 5077 Biscayne Bay Aquatic Preserves Continuous Water Quality Monitoring BBLR03



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Biscayne Bay Aquatic Preserve All Stations

Water Temperature - Continuous

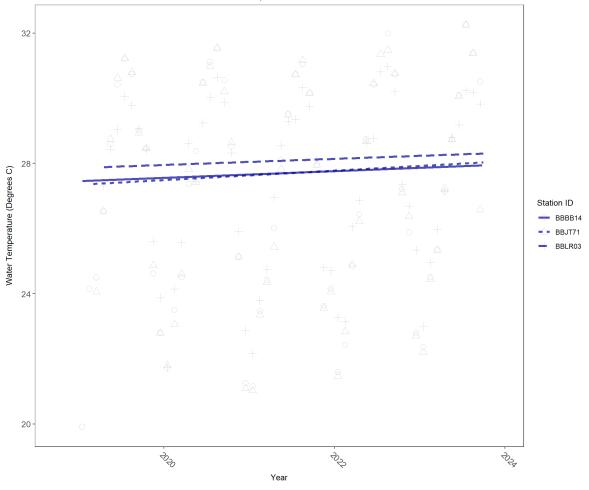


Table 6: Seasonal Kendall-Tau Results for All Stations - Water Temperature

Station	N_Data	N_Years	Period of Record	Median	tau	SennIntercept	SennSlope	p
BBJT71	160039	5	2019 - 2023	27.7	0.12	27.34	0.15	0.3845
BBBB14	144074	5	2019 - 2023	27.5	0.16	27.45	0.1	0.1897
BBLR03	139156	5	2019 - 2023	28.0	0.19	27.86	0.09	0.1679
BBMRDW	84153	3	2021 - 2023	27.9	-	-	-	-
BBCWA4	57815	2	2022 - 2023	27.6	-	-	-	-
BBMRRB	59474	2	2022 - 2023	27.7	-	-	-	-