Estero Bay Aquatic Preserve

SEACAR Discrete Water Quality Analysis

Last compiled on 26 June, 2024

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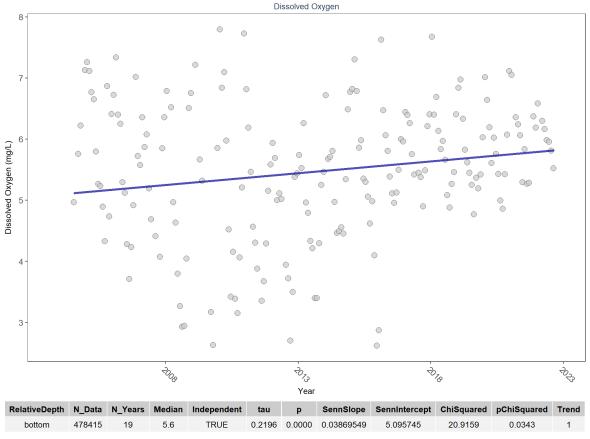
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Parameters

Dissolved Oxygen

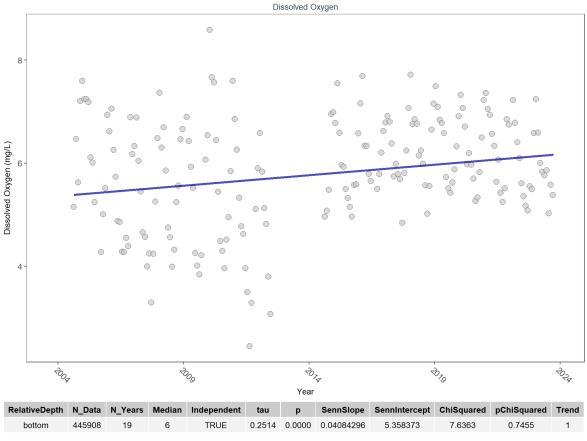
EB01

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474
Estero Bay Aquatic Preserve Continuous Water Quality Monitoring
EB01



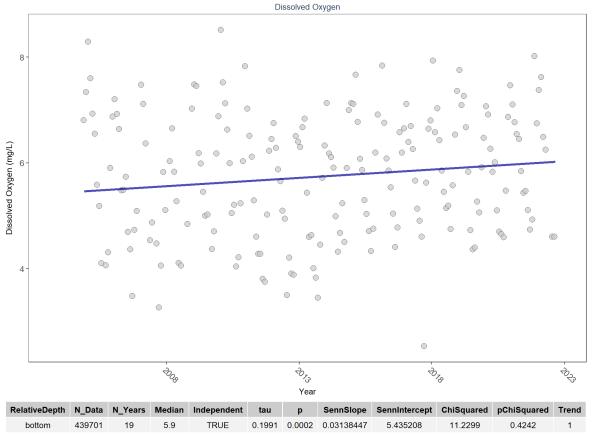
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Estero Bay Aquatic Preserve 474 Estero Bay Aquatic Preserve Continuous Water Quality Monitoring EB02



p < 0.00005 appear as 0 due to rounding.

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Estero Bay Aquatic Preserve All Stations Dissolved Oxygen - Continuous

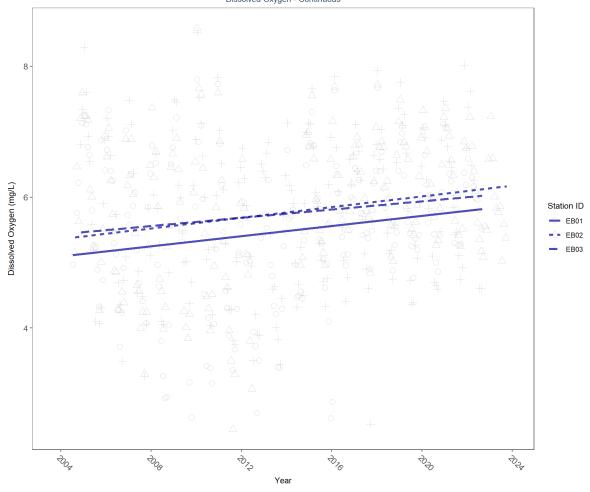
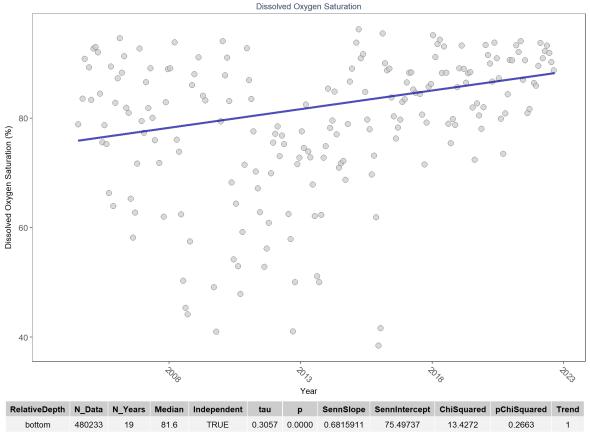


Table 1: Seasonal Kendall-Tau Results for All Stations - Dissolved Oxygen

Station	N_Data	N_Years	Period of Record	Median	tau	SennIntercept	SennSlope	p
EB01	478415	19	2004 - 2022	5.6	0.22	5.1	0.04	0.0000
EB02	445908	19	2004 - 2023	6.0	0.25	5.36	0.04	0.0000
EB03	439701	19	2004 - 2022	5.9	0.2	5.44	0.03	0.0002
EB04	65961	3	2021 - 2023	5.5	-	-	-	-

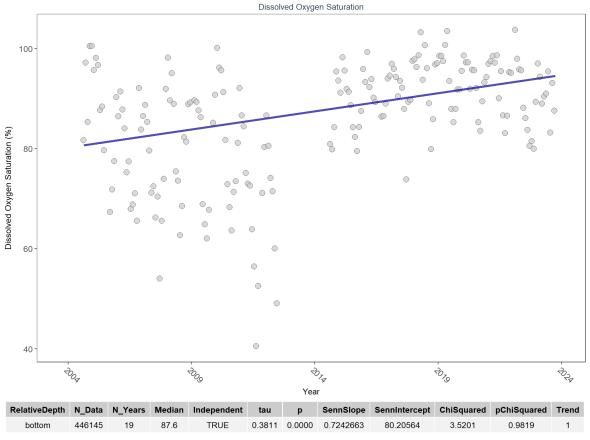
Dissolved Oxygen Saturation EB01

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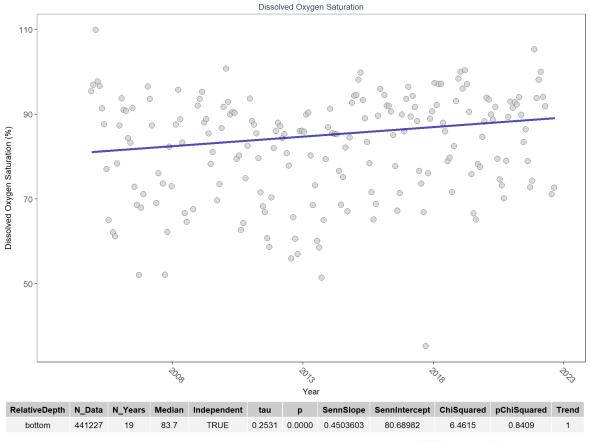
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Estero Bay Aquatic Preserve 474 Estero Bay Aquatic Preserve Continuous Water Quality Monitoring EB02



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Estero Bay Aquatic Preserve 474 Estero Bay Aquatic Preserve Continuous Water Quality Monitoring EB03



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Estero Bay Aquatic Preserve All Stations

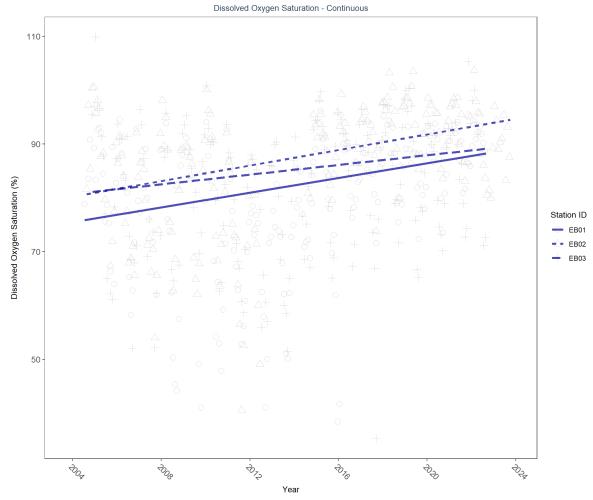
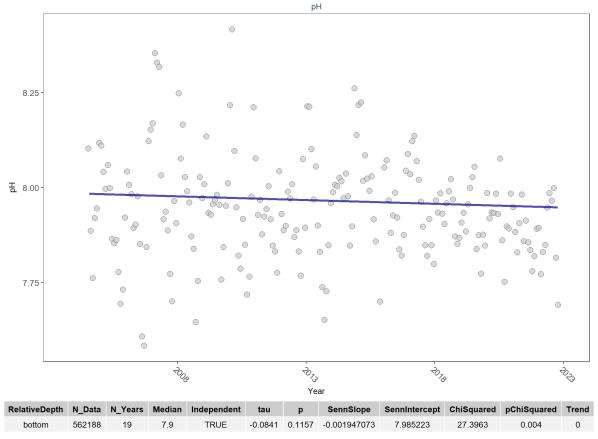


Table 2: Seasonal Kendall-Tau Results for All Stations - Dissolved Oxygen Saturation

Station	N_Data	N_Years	Period of Record	Median	tau	SennIntercept	SennSlope	p
EB01	480233	19	2004 - 2022	81.6	0.31	75.5	0.68	0.0000
EB02	446145	19	2004 - 2023	87.6	0.38	80.21	0.72	0.0000
EB03	441227	19	2004 - 2022	83.7	0.25	80.69	0.45	0.0000
EB04	76225	3	2021 - 2023	81.0	-	-	-	-

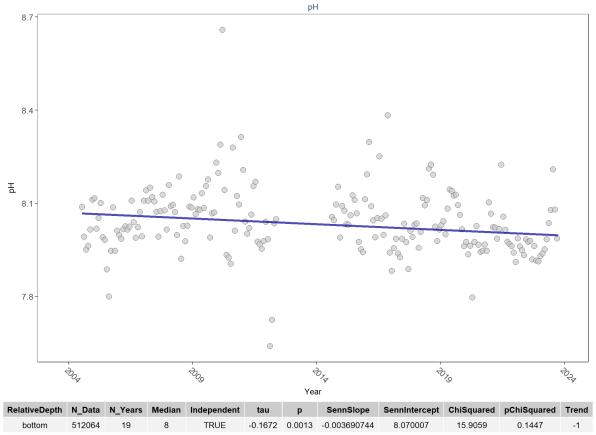
pH EB01

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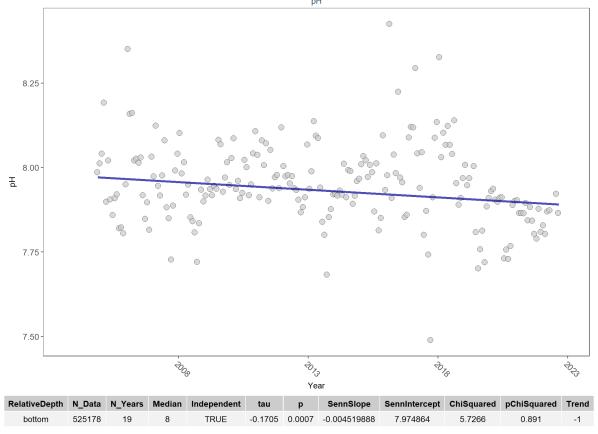
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Estero Bay Aquatic Preserve 474 Estero Bay Aquatic Preserve Continuous Water Quality Monitoring EB02



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pH



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Estero Bay Aquatic Preserve All Stations

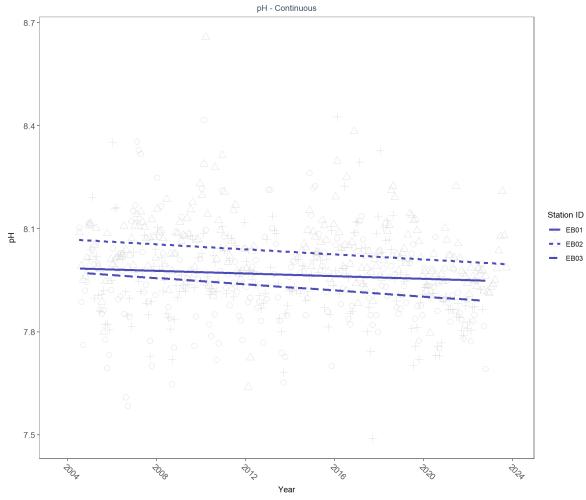


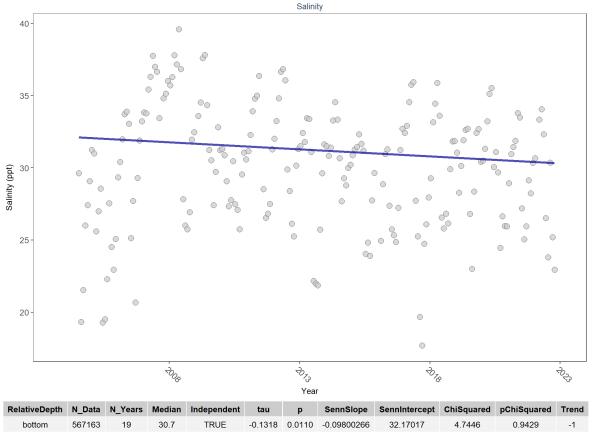
Table 3: Seasonal Kendall-Tau Results for All Stations - pH $\,$

Station	N_Data	N_Years	Period of Record	Median	tau	SennIntercept	SennSlope	p
EB01	562188	19	2004 - 2022	7.9	-0.08	7.99	0	0.1157
EB02	512064	19	2004 - 2023	8.0	-0.17	8.07	0	0.0013
EB03	525178	19	2004 - 2022	8.0	-0.17	7.97	0	0.0007
EB04	78723	3	2021 - 2023	7.8	-	-	-	-

Salinity

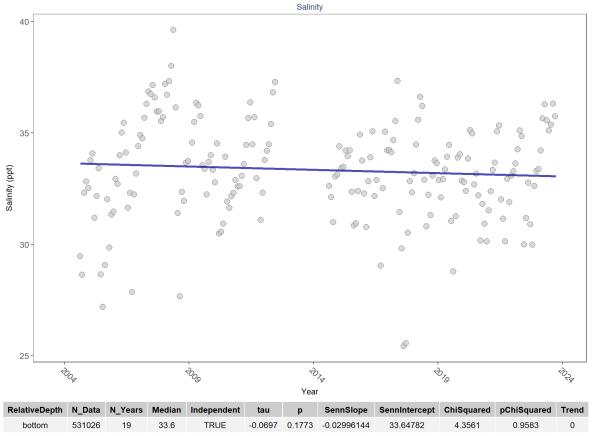
EB01

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EB01



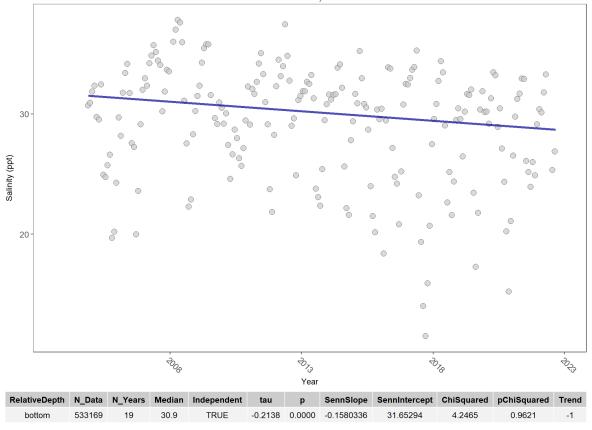
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Estero Bay Aquatic Preserve
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Estero Bay Aquatic Preserve Continuous Water Quality Monitoring
EB02



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EB03
Salinity



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Estero Bay Aquatic Preserve All Stations

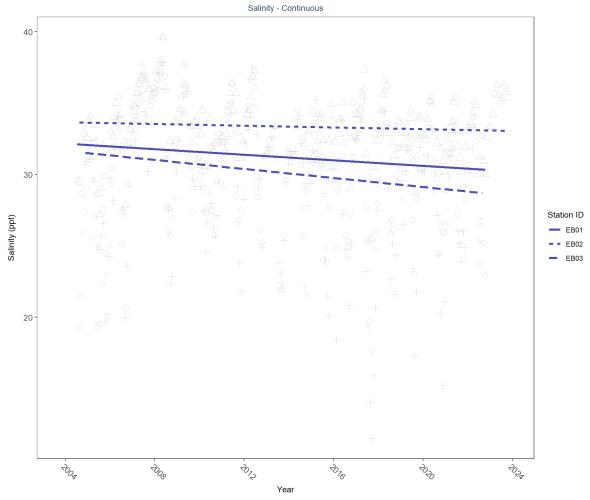


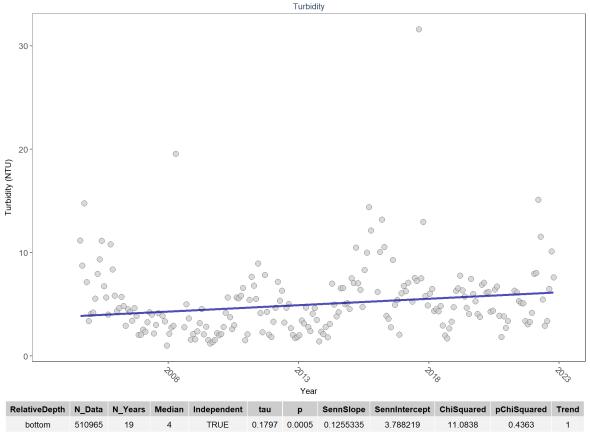
Table 4: Seasonal Kendall-Tau Results for All Stations - Salinity

Station	N_Data	N_Years	Period of Record	Median	tau	SennIntercept	SennSlope	p
EB01	567163	19	2004 - 2022	30.7	-0.13	32.17	-0.1	0.0110
EB02	531026	19	2004 - 2023	33.6	-0.07	33.65	-0.03	0.1773
EB03	533169	19	2004 - 2022	30.9	-0.21	31.65	-0.16	0.0000
EB04	75655	3	2021 - 2023	28.4	-	-	-	-

Turbidity

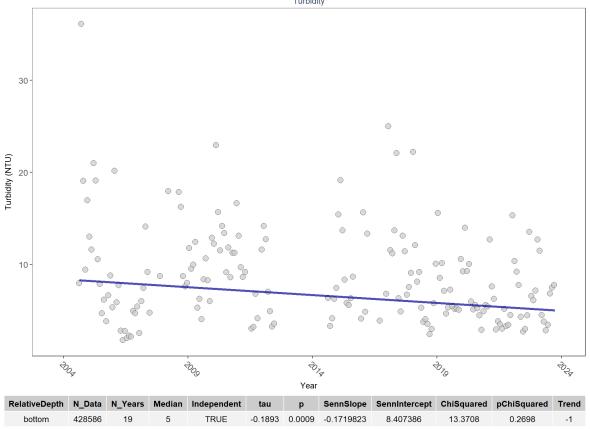
EB01

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EB01



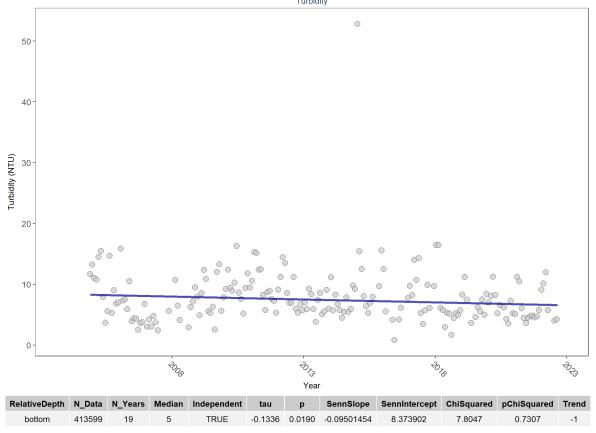
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Estero Bay Aquatic Preserve 474 Estero Bay Aquatic Preserve Continuous Water Quality Monitoring EB02 Turbidity



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Estero Bay Aquatic Preserve
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Estero Bay Aquatic Preserve Continuous Water Quality Monitoring
EB03
Turbidity



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Estero Bay Aquatic Preserve All Stations

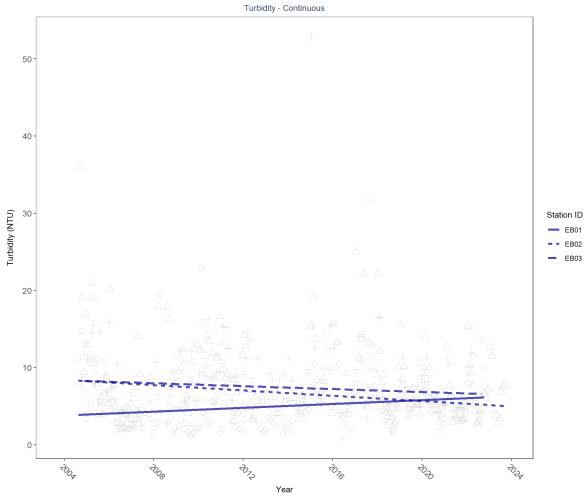


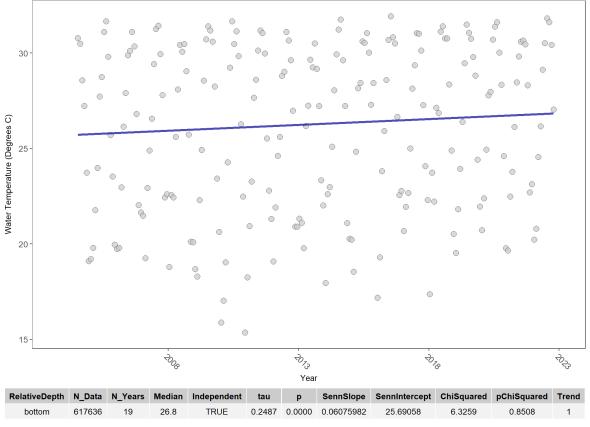
Table 5: Seasonal Kendall-Tau Results for All Stations - Turbidity

Station	N_Data	N_Years	Period of Record	Median	tau	SennIntercept	SennSlope	p
EB01	510965	19	2004 - 2022	4	0.18	3.79	0.13	0.0005
EB02	428586	19	2004 - 2023	5	-0.19	8.41	-0.17	0.0009
EB03	413599	19	2004 - 2022	5	-0.13	8.37	-0.1	0.0190
EB04	73526	3	2021 - 2023	5	-	-	-	-

Water Temperature

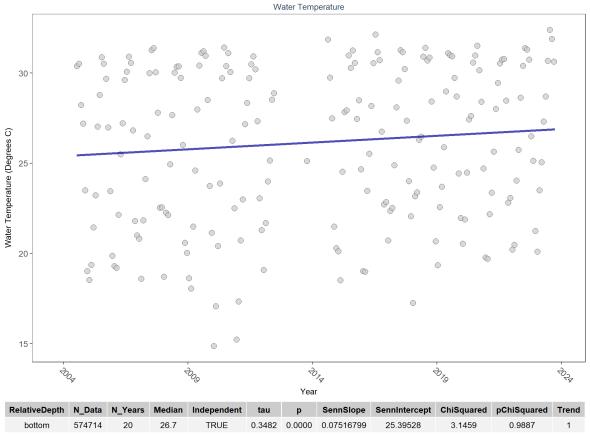
EB01

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Water Temperature



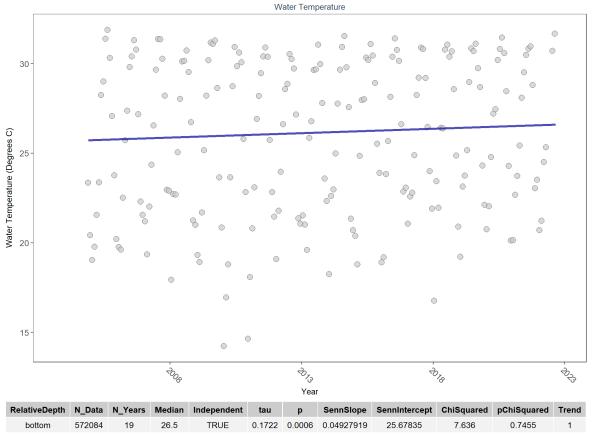
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Estero Bay Aquatic Preserve 474 Estero Bay Aquatic Preserve Continuous Water Quality Monitoring EB02



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Estero Bay Aquatic Preserve 474 Estero Bay Aquatic Preserve Continuous Water Quality Monitoring EB03



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Estero Bay Aquatic Preserve All Stations Water Temperature - Continuous

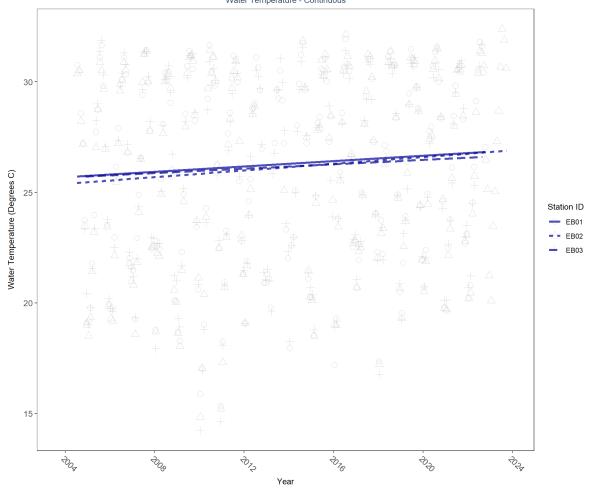


Table 6: Seasonal Kendall-Tau Results for All Stations - Water Temperature

Station	N_Data	N_Years	Period of Record	Median	tau	SennIntercept	SennSlope	p
EB01	617636	19	2004 - 2022	26.8	0.25	25.69	0.06	0.0000
EB02	574714	20	2004 - 2023	26.7	0.35	25.4	0.08	0.0000
EB04	83717	3	2021 - 2023	28.1	-	-	-	-
EB03	572084	19	2004 - 2022	26.5	0.17	25.68	0.05	0.0006