Yellow River Marsh Aquatic Preserve

SEACAR Discrete Water Quality Analysis

Last compiled on 26 June, 2024

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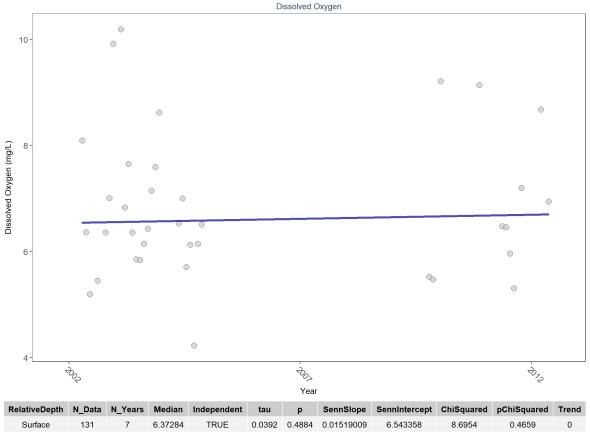
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Parameters

Dissolved Oxygen

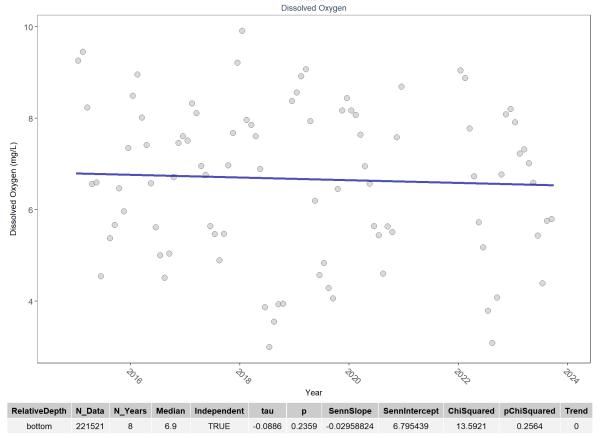
P11

Yellow River Marsh Aquatic Preserve 505 Pensacola Bay Water Quality Monitoring Program P11



p < 0.00005 appear as 0 due to rounding.

Yellow River Marsh Aquatic Preserve
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Yellow River Marsh Aquatic Preserve Continuous Water Quality Monitoring
YRMAP1



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Yellow River Marsh Aquatic Preserve All Stations

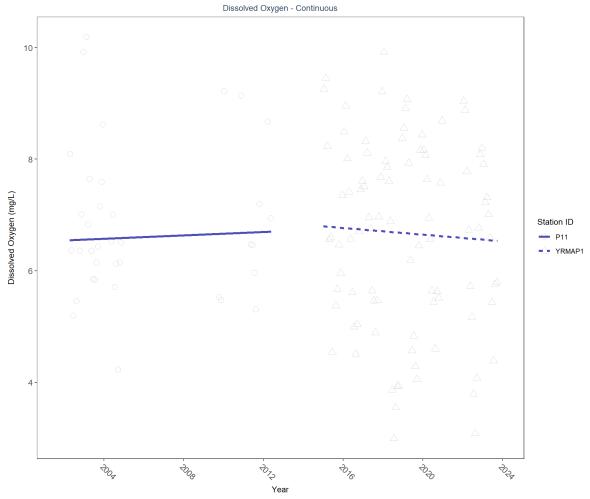


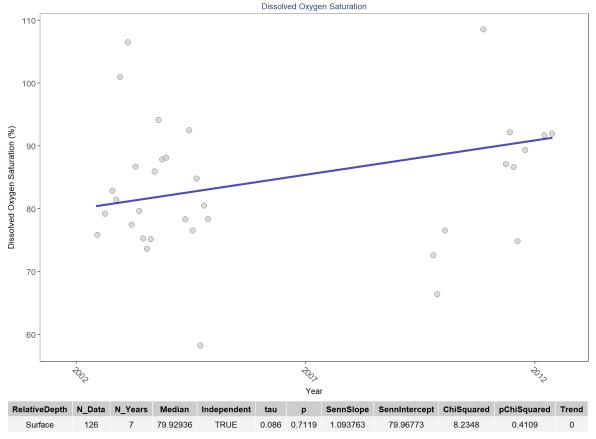
Table 1: Seasonal Kendall-Tau Results for All Stations - Dissolved Oxygen

Station	N_Data	$N_{}$ Years	Period of Record	Median	tau	SennIntercept	SennSlope	p
P11 YRMAP1	131 221521	7 8	2002 - 2012 2015 - 2023	6.37 6.90	0.04	6.54 6.80		0.4884 0.2359

Dissolved Oxygen Saturation

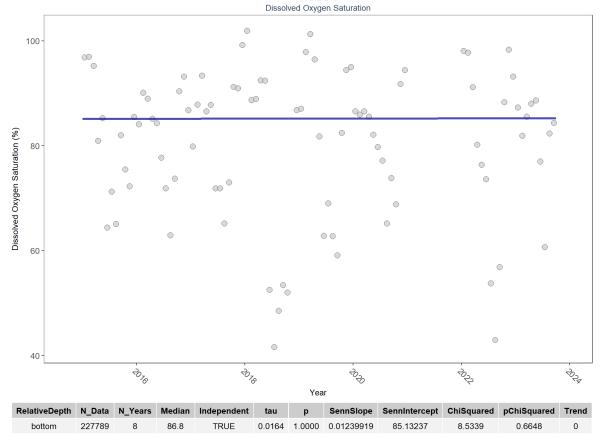
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Yellow River Marsh Aquatic Preserve All Stations Dissolved Oxygen Saturation - Continuous

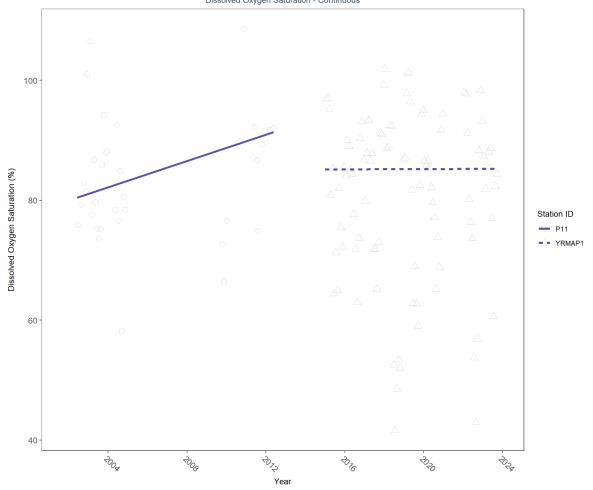
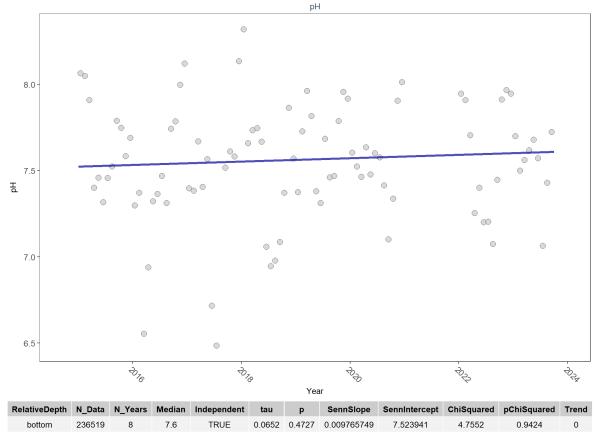


Table 2: Seasonal Kendall-Tau Results for All Stations - Dissolved Oxygen Saturation

Station	N_Data	N_Years	Period of Record	Median	tau	SennIntercept	SennSlope	p
P11	126	7	2002 - 2012	79.93	0.09	79.97	1.09	0.7119
YRMAP1	227789	8	2015 - 2023	86.80	0.02	85.13	0.01	1.0000

pH YRMAP1

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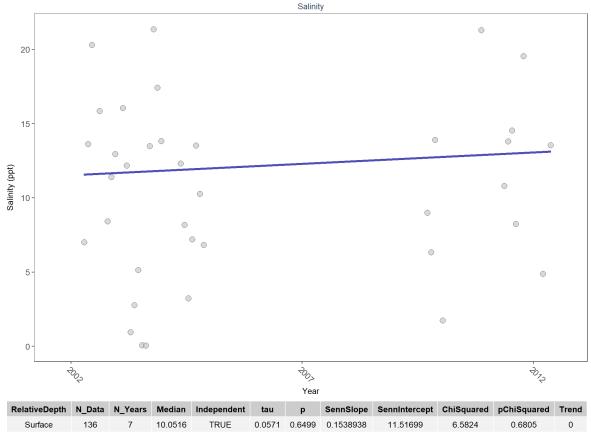


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Salinity

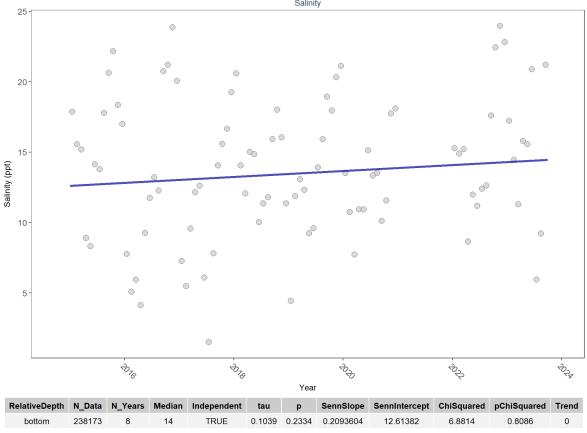
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Yellow River Marsh Aquatic Preserve 467 Yellow River Marsh Aquatic Preserve Continuous Water Quality Monitoring YRMAP1 Salinity



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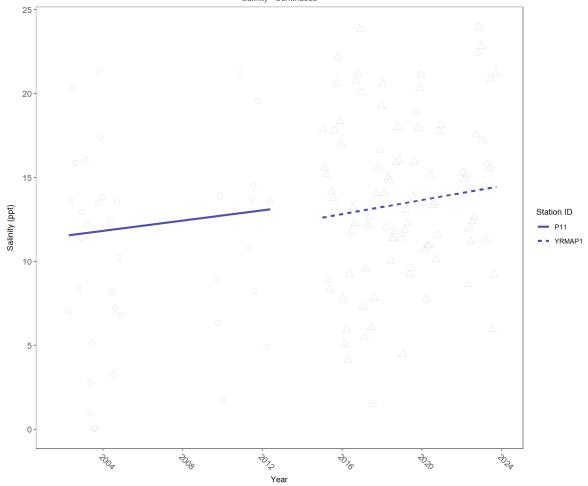
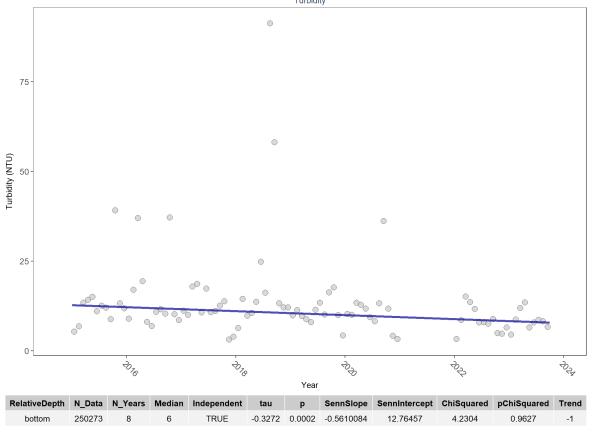


Table 3: Seasonal Kendall-Tau Results for All Stations - Salinity

Station	N_Data	N_Years	Period of Record	Median	tau	SennIntercept	SennSlope	p
P11	136	7	2002 - 2012	10.05	0.06	11.52	0.15	0.6499
YRMAP1	238173	8	2015 - 2023	14.00	0.10	12.61	0.21	0.2334

Turbidity YRMAP1

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Turbidity

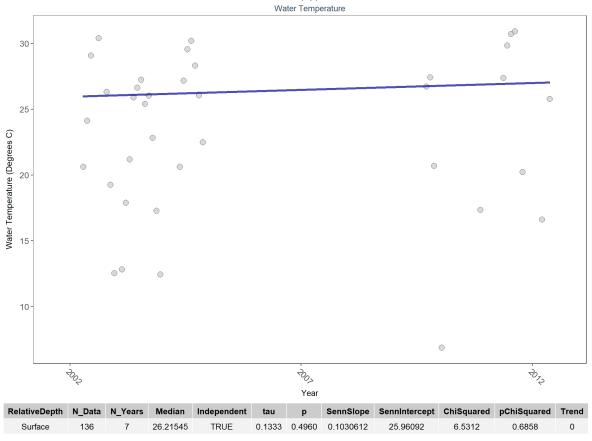


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Water Temperature

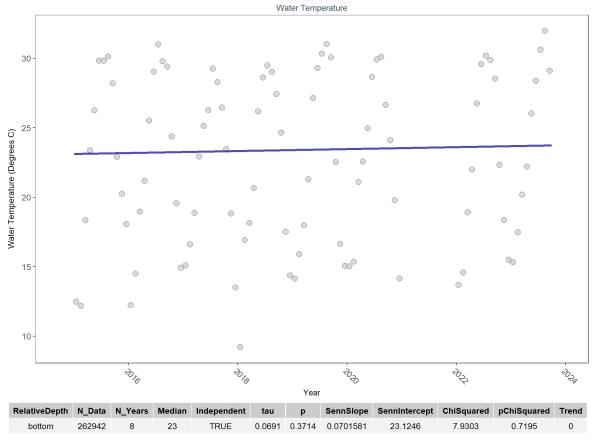
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YRMAP1



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Yellow River Marsh Aquatic Preserve All Stations

Water Temperature - Continuous

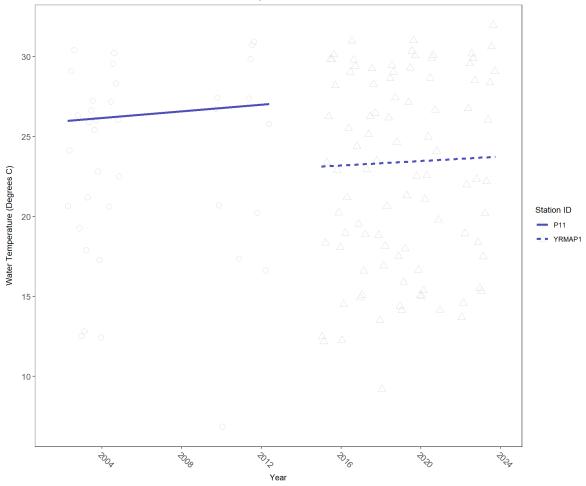


Table 4: Seasonal Kendall-Tau Results for All Stations - Water Temperature

Station	N_Data	N_{Years}	Period of Record	Median	tau	SennIntercept	SennSlope	p
P11 YRMAP1	136 262942	7 8	2002 - 2012 2015 - 2023	26.22 23.00		25.96 23.12	00	0.4960 0.3714