

# APPENDIX C

## Scatterplots and Trend Data

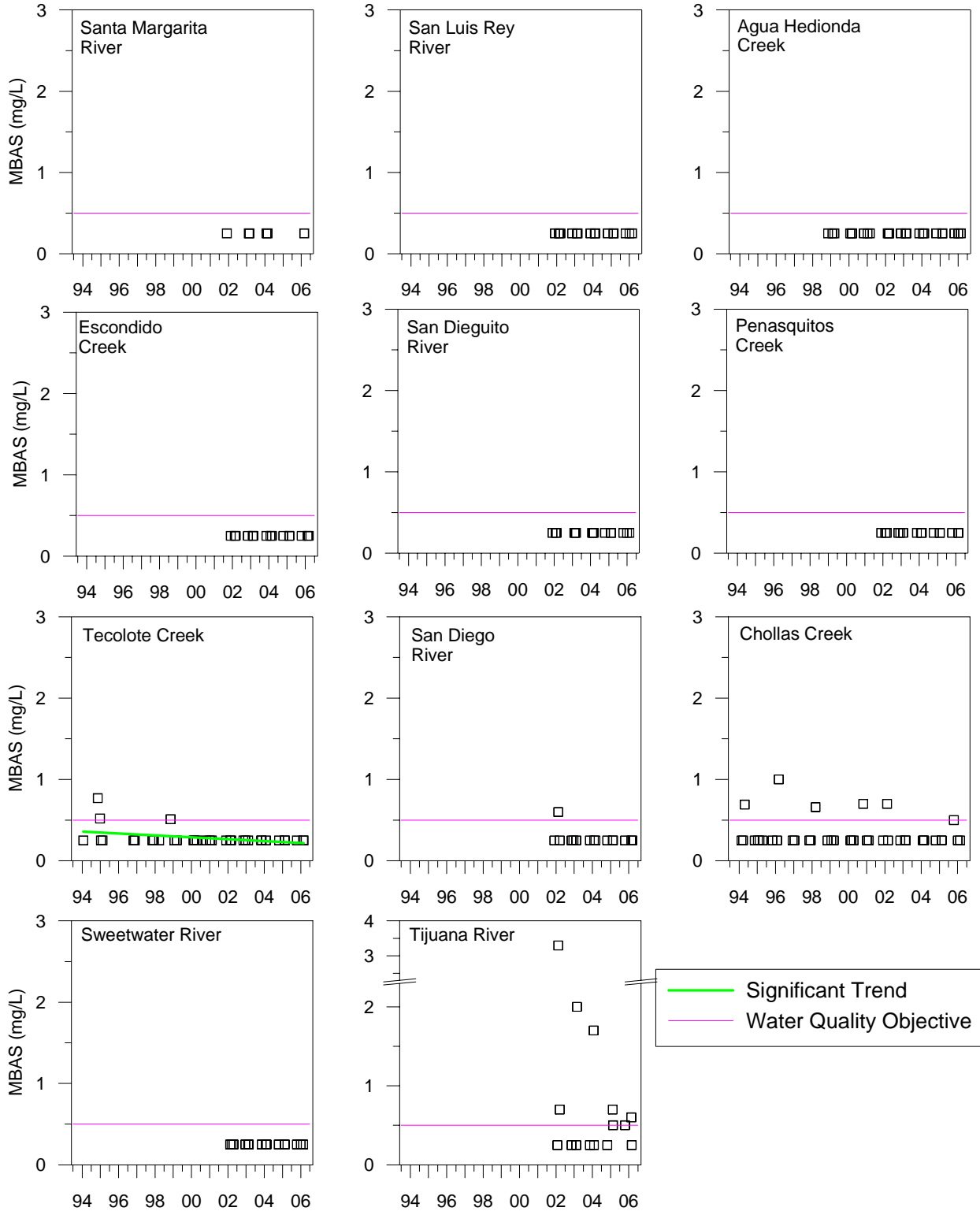
## Appendix C: Scatterplots and Trends

The data collected from MLS stations for the past five years are presented in this Appendix; also included in the scatterplots are historical data for Agua Hedionda Creek, Tecolote Creek, and Chollas Creek MLS. Sample concentrations that were below detection limits are shown as one-half the detection limit. Regression analysis, described in Section 2, was performed by MLS on all of the constituents. Trend lines are shown on the scatterplots for those constituents for which the regression line was determined to be significantly different than a horizontal line. R<sup>2</sup> values from the regression are shown in the following table for these constituents. The scatterplots are presented by group as shown below.

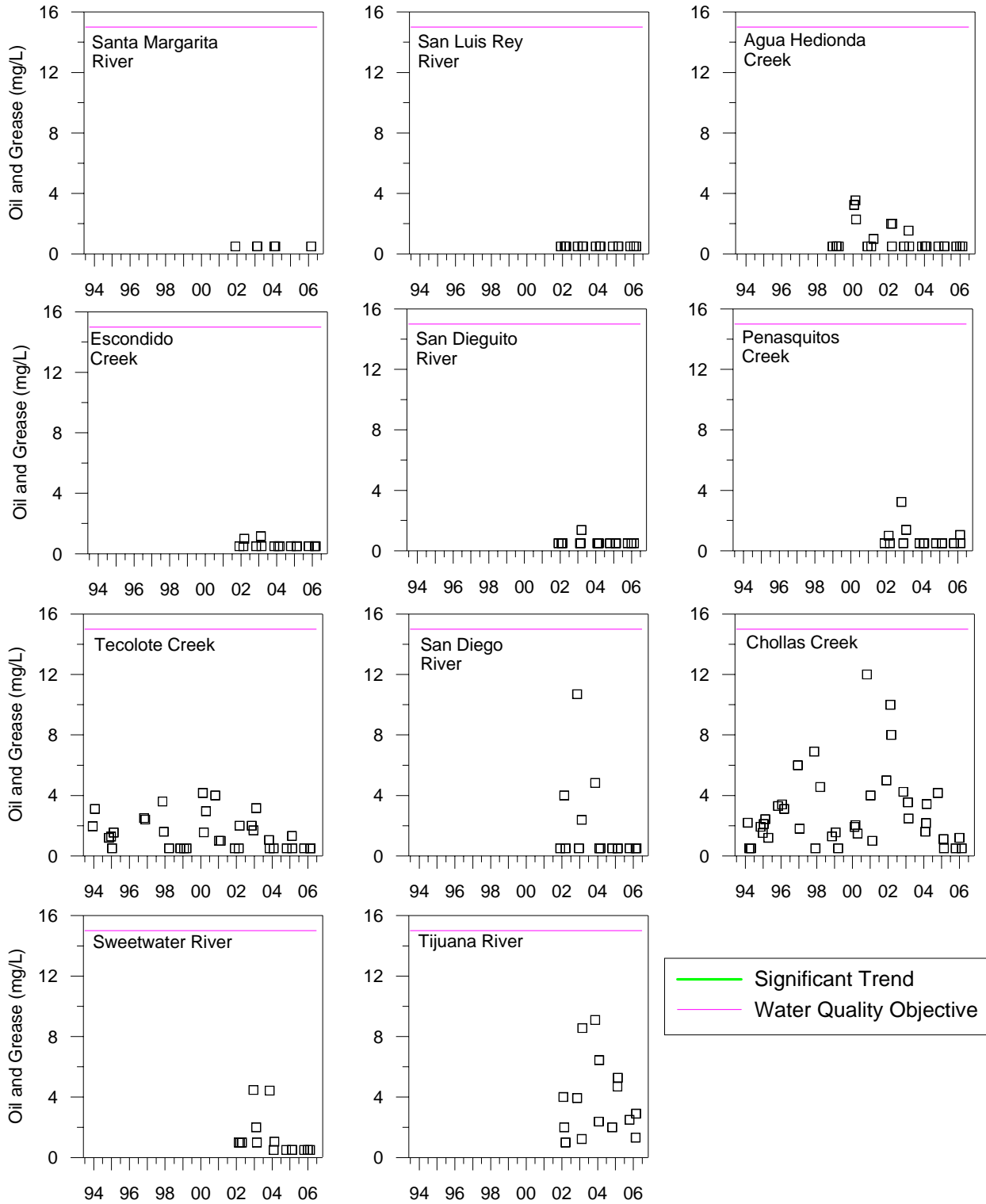
Analysis Group	Parameter	MLS Station	Prob > T	R2
General Chemistry Page 2	Surfactants (MBAS)	TC	0.025	0.148
	pH	PC	0.033	0.305
		SR	0.024	0.333
	Turbidity	AH	0.011	0.270
	Chemical Oxygen Demand	AH	0.006	0.297
	Total Suspended Solids	AH	0.002	0.376
TJ		0.006	0.455	
Nutrients Page 15	Ammonia	TC	0.019	0.160
	Nitrate	AH	0.031	0.194
		EC	0.031	0.311
		SLR	0.002	0.538
	Nitrite	CC	0.027	0.153
		SDR	0.048	0.268
	Dissolved Phosphorus	SDC	0.029	0.318
		SLR	0.013	0.386
		SR	0.042	0.281
	Total Phosphorus	SDC	0.006	0.459
SR		0.008	0.432	
TJ		0.036	0.295	
Bacteriological Page 22	Enterococci	TC	0.019	0.300
		TJ	0.024	0.334
	Fecal Coliform	AH	0.006	0.290
		SLR	0.002	0.538
	Total Coliform	CC	0.038	0.114
		EC	0.036	0.297
		SLR	0.003	0.507
TJ		0.049	0.266	
Pesticides Page 26	Diazinon	AH	0.047	0.269
		CC	0.002	0.496
		EC	0.014	0.472
		PC	0.016	0.454
		SDR	0.004	0.576
		SR	0.047	0.339
		TC	0.010	0.299
Total Metals Page 30	Arsenic	SDC	0.009	0.422
		SR	0.024	0.333
	Chromium	SDC	0.035	0.298
	Lead	AH	0.005	0.320
		CC	0.037	0.129
		TC	0.019	0.170
Dissolved Metals Page 40	Arsenic	AH	0.030	0.225
	Nickel	TJ	0.003	0.511
Toxicity Page 50	Ceriodaphnia Acute Survival	CC	0.002	0.547
		TJ	0.049	0.266
	Ceriodaphnia Chronic Survival	CC	<0.001	0.655
		EC	0.037	0.294

# GENERAL CHEMISTRY

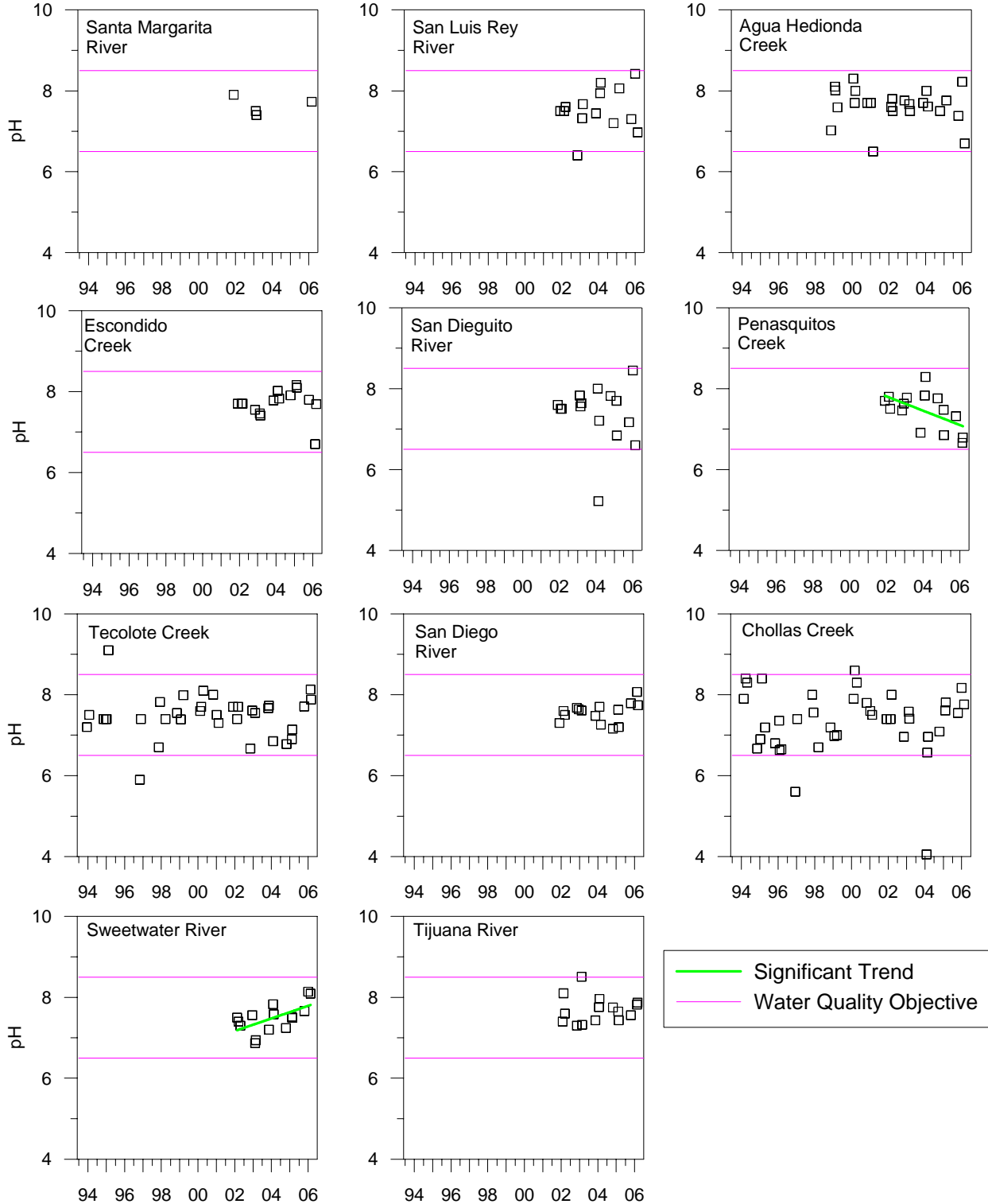
### Appendix C: Scatterplots and Trends



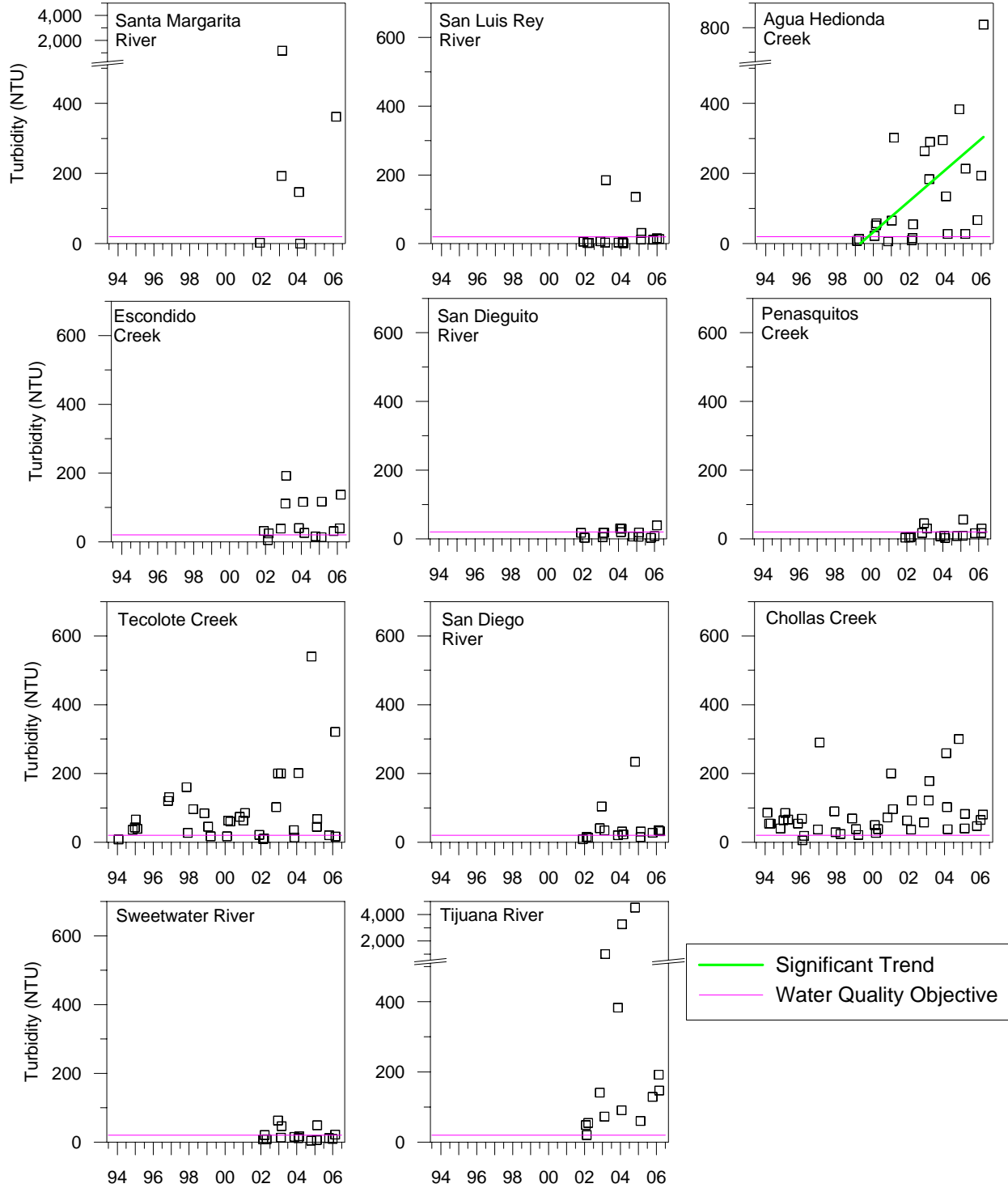
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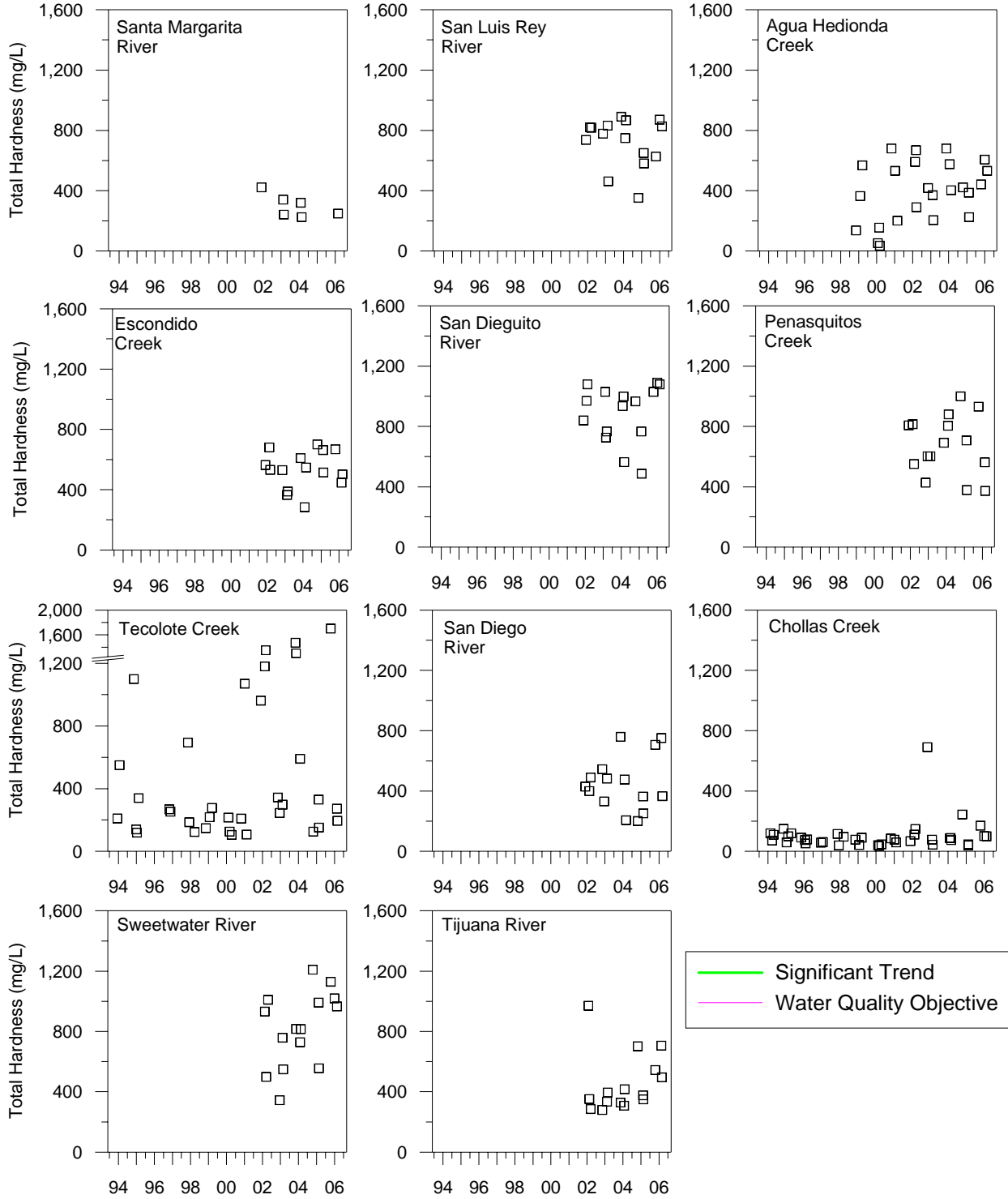
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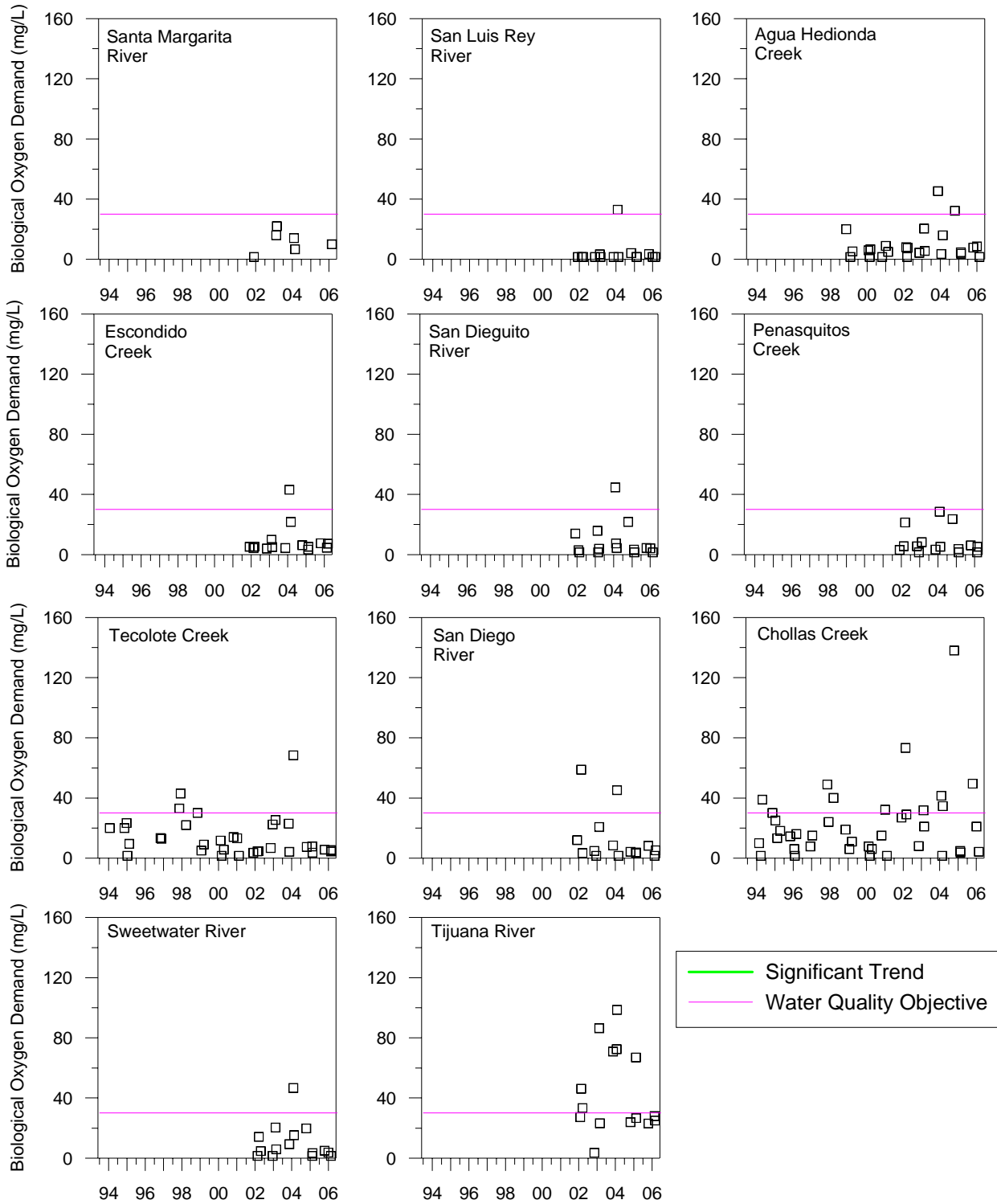
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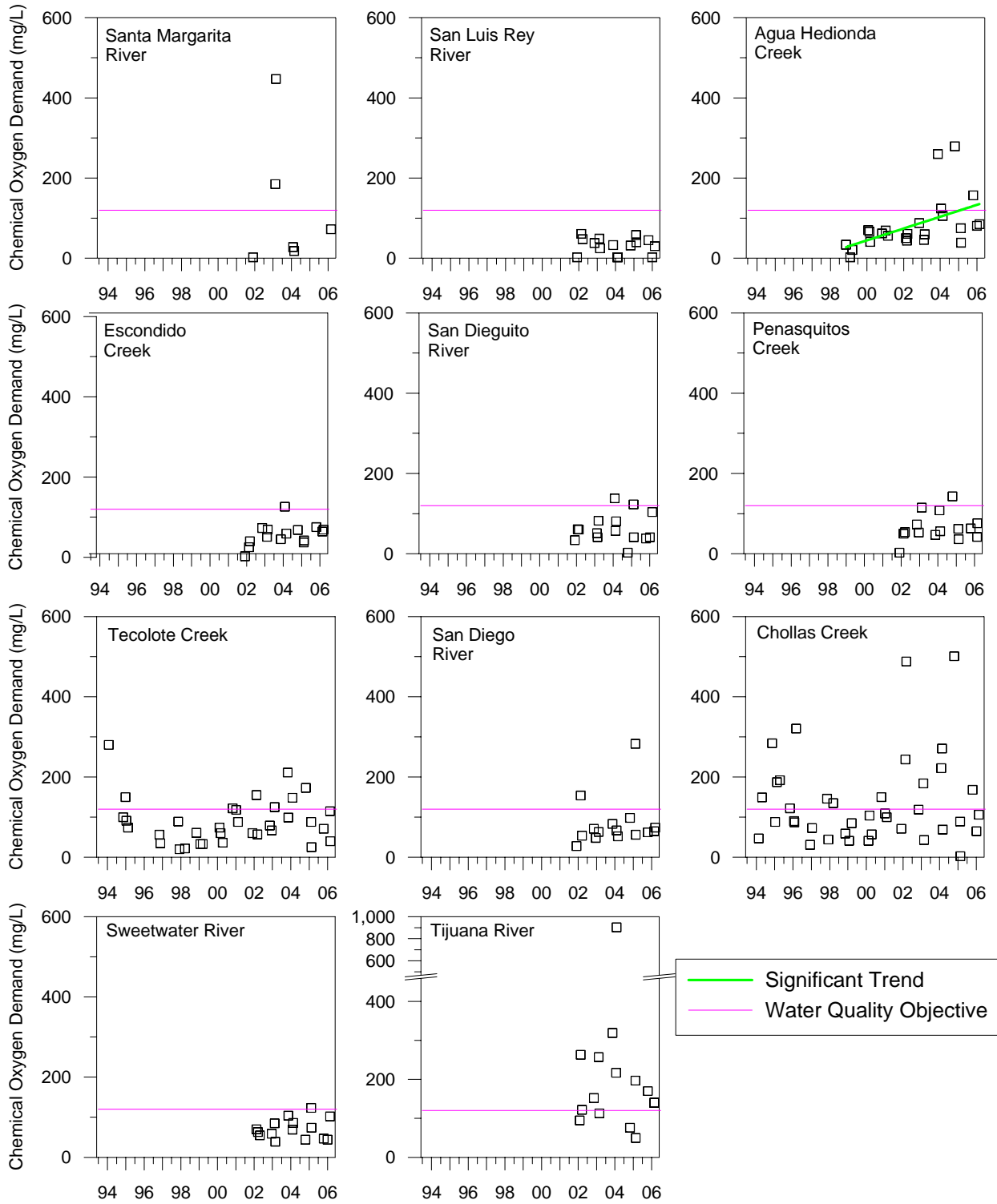
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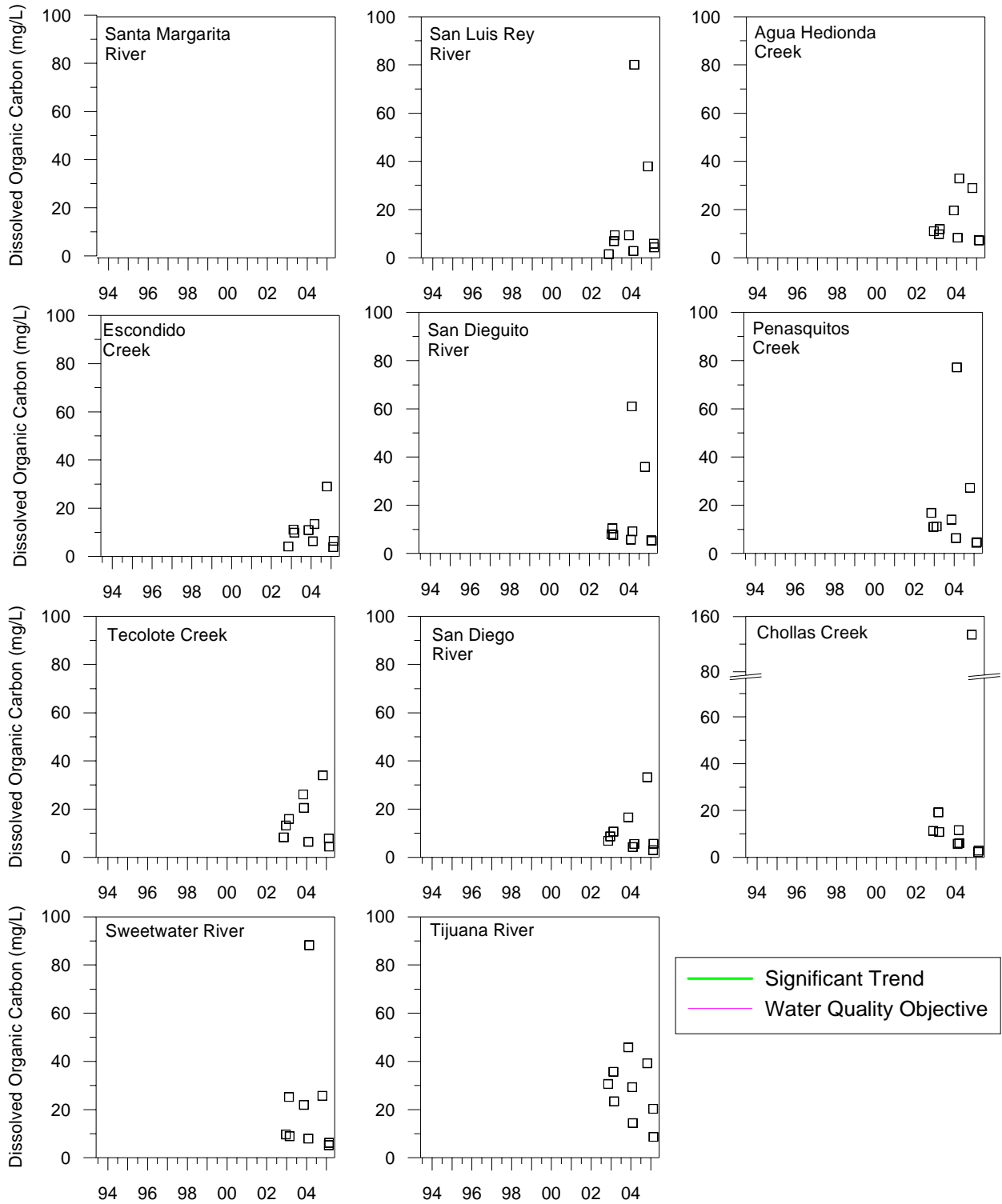
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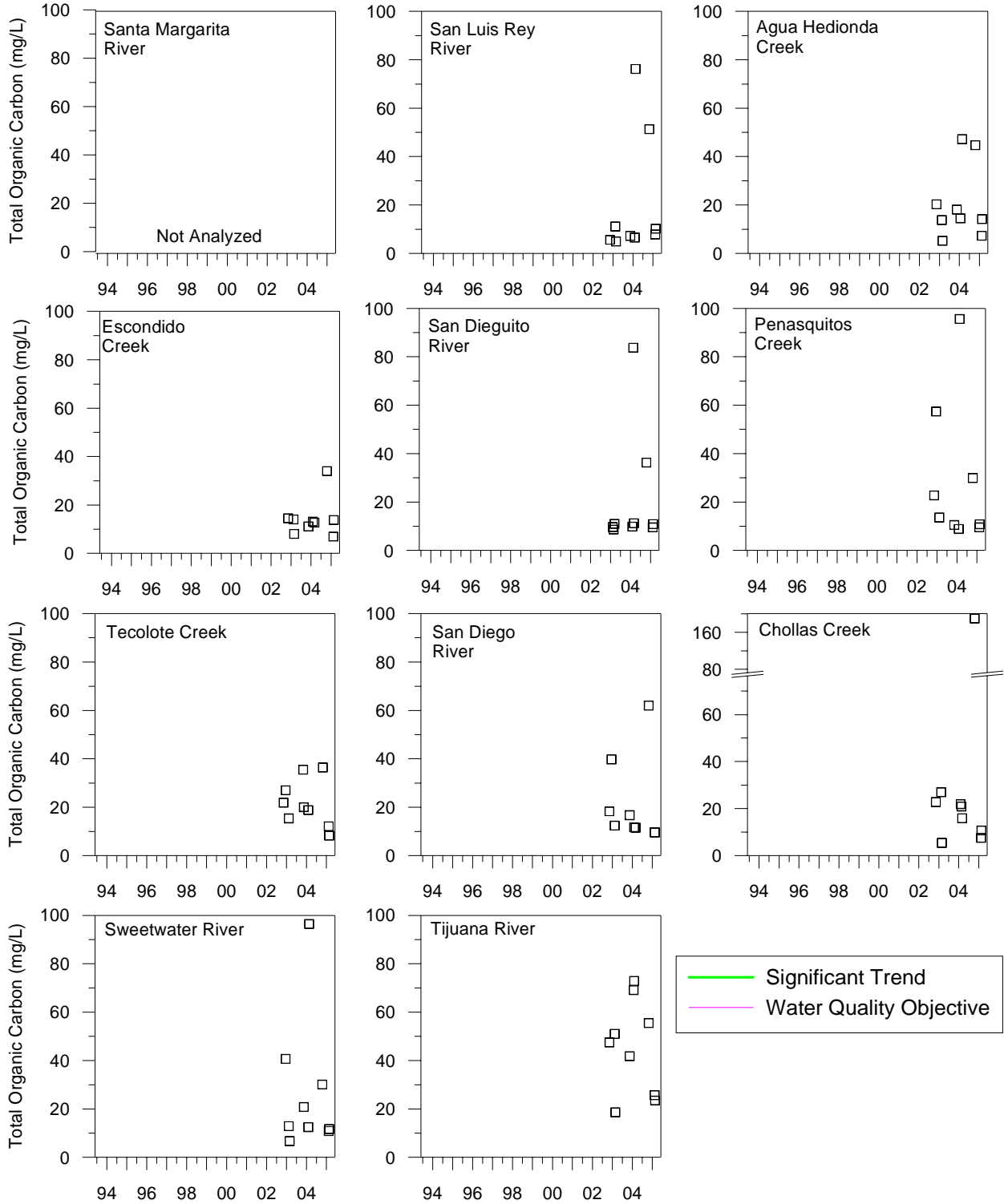
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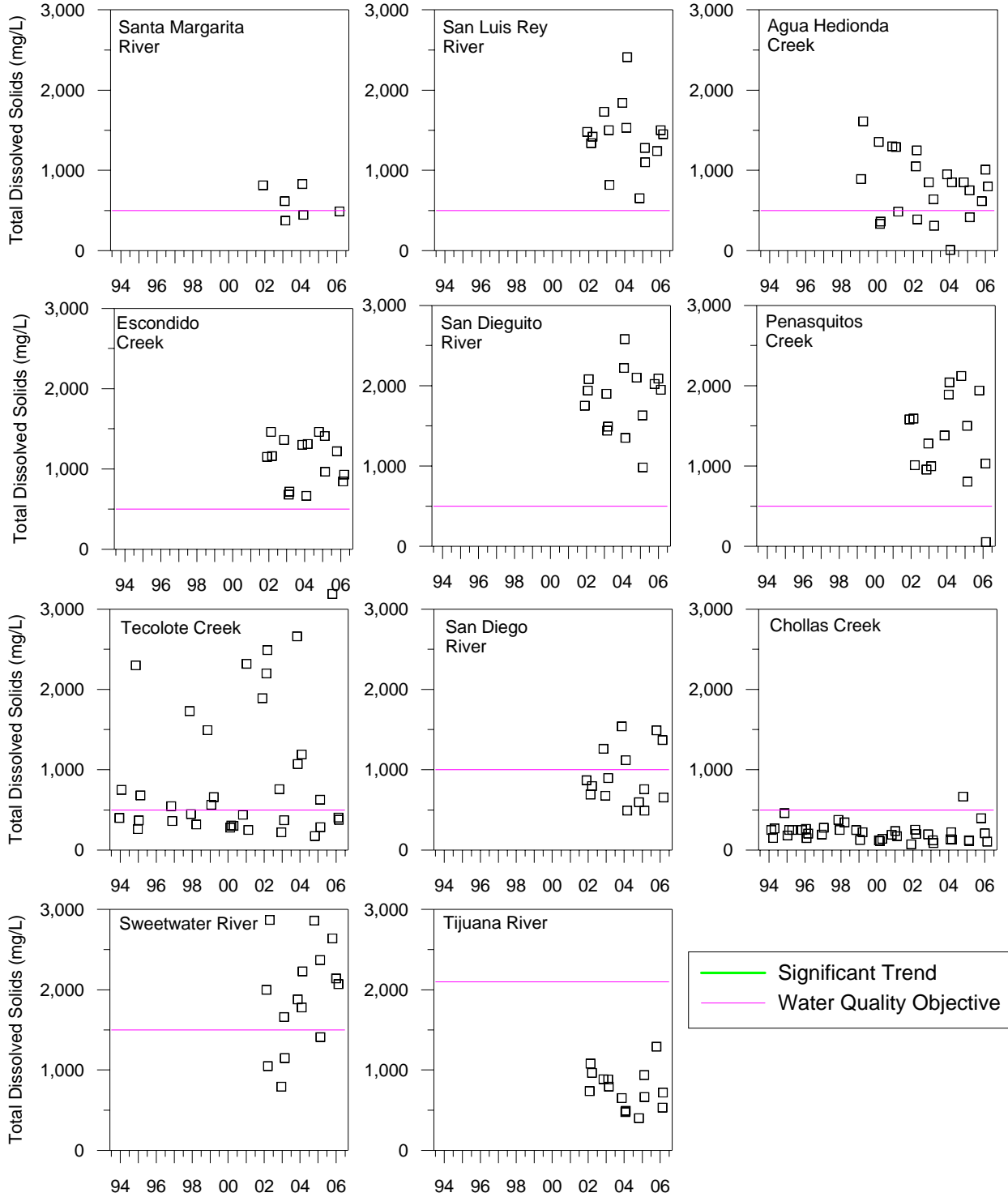
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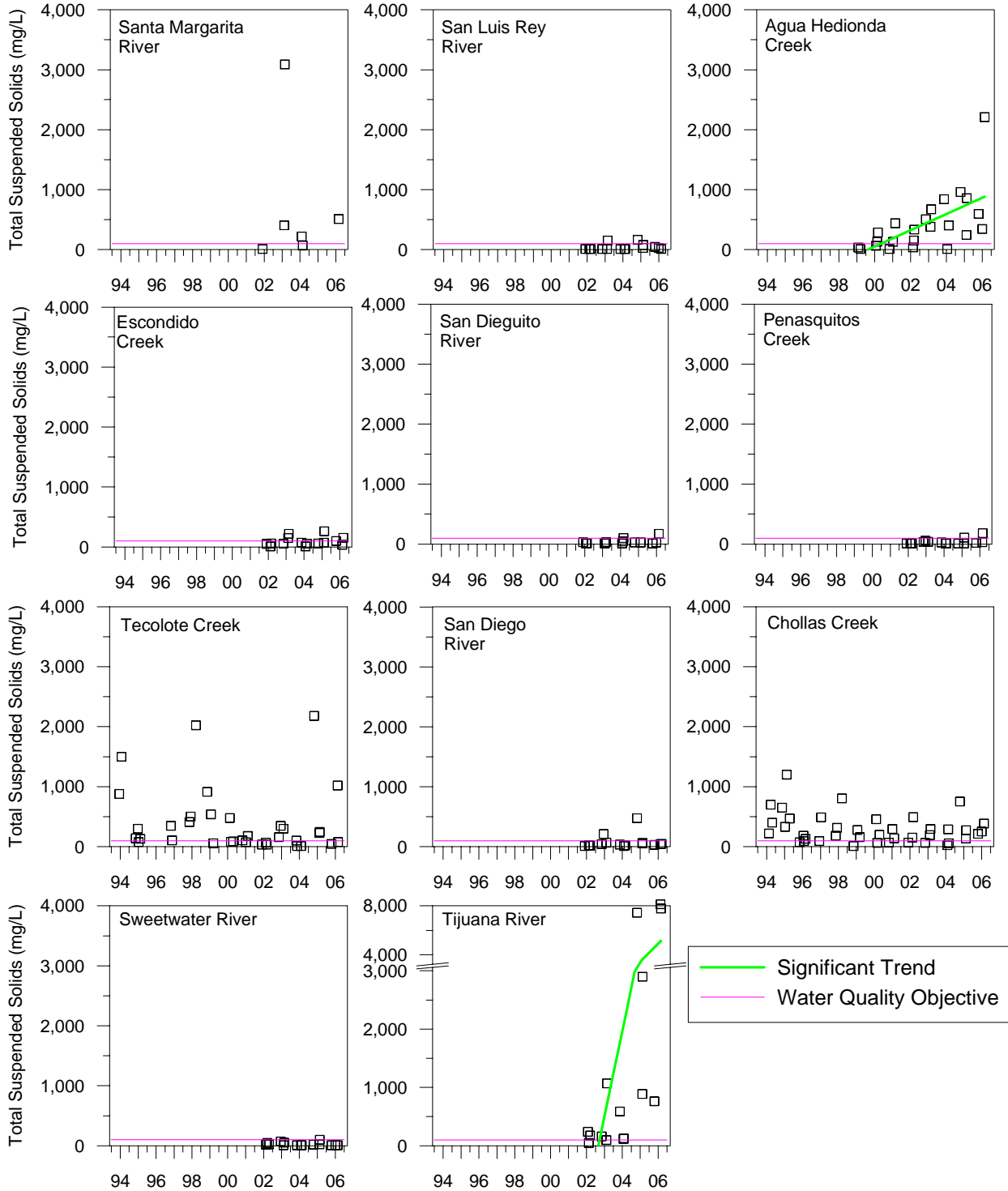
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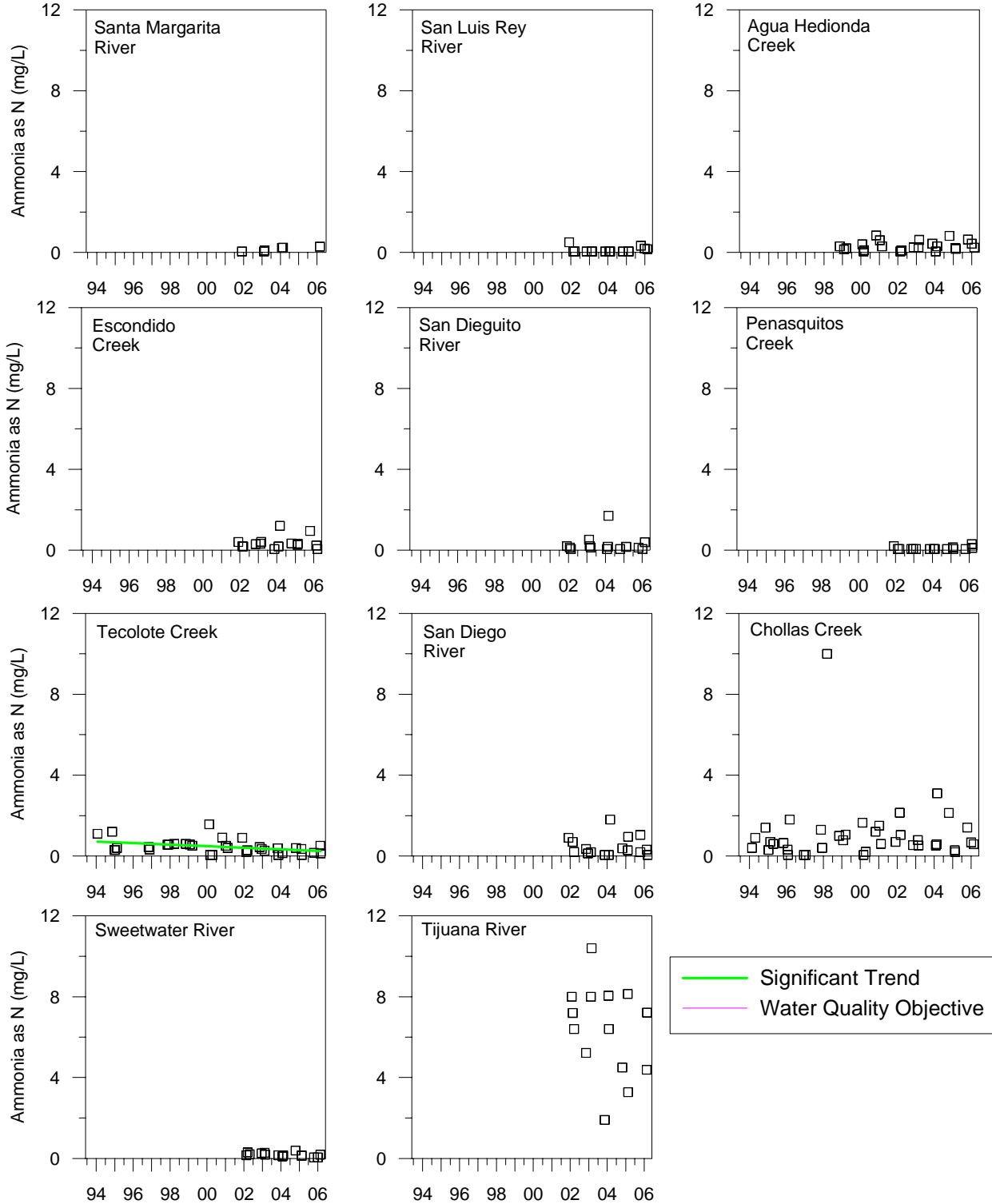


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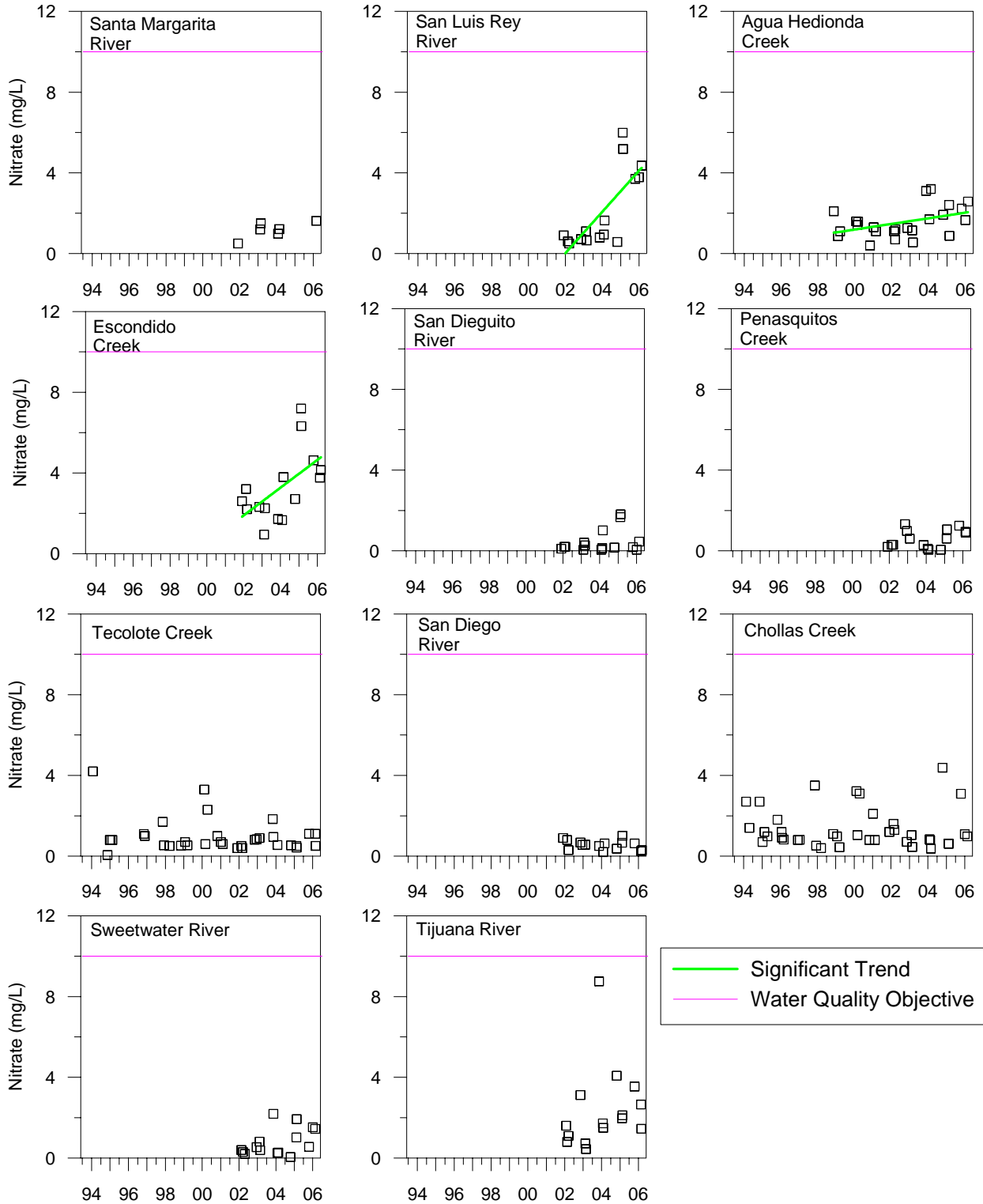


# **NUTRIENTS**

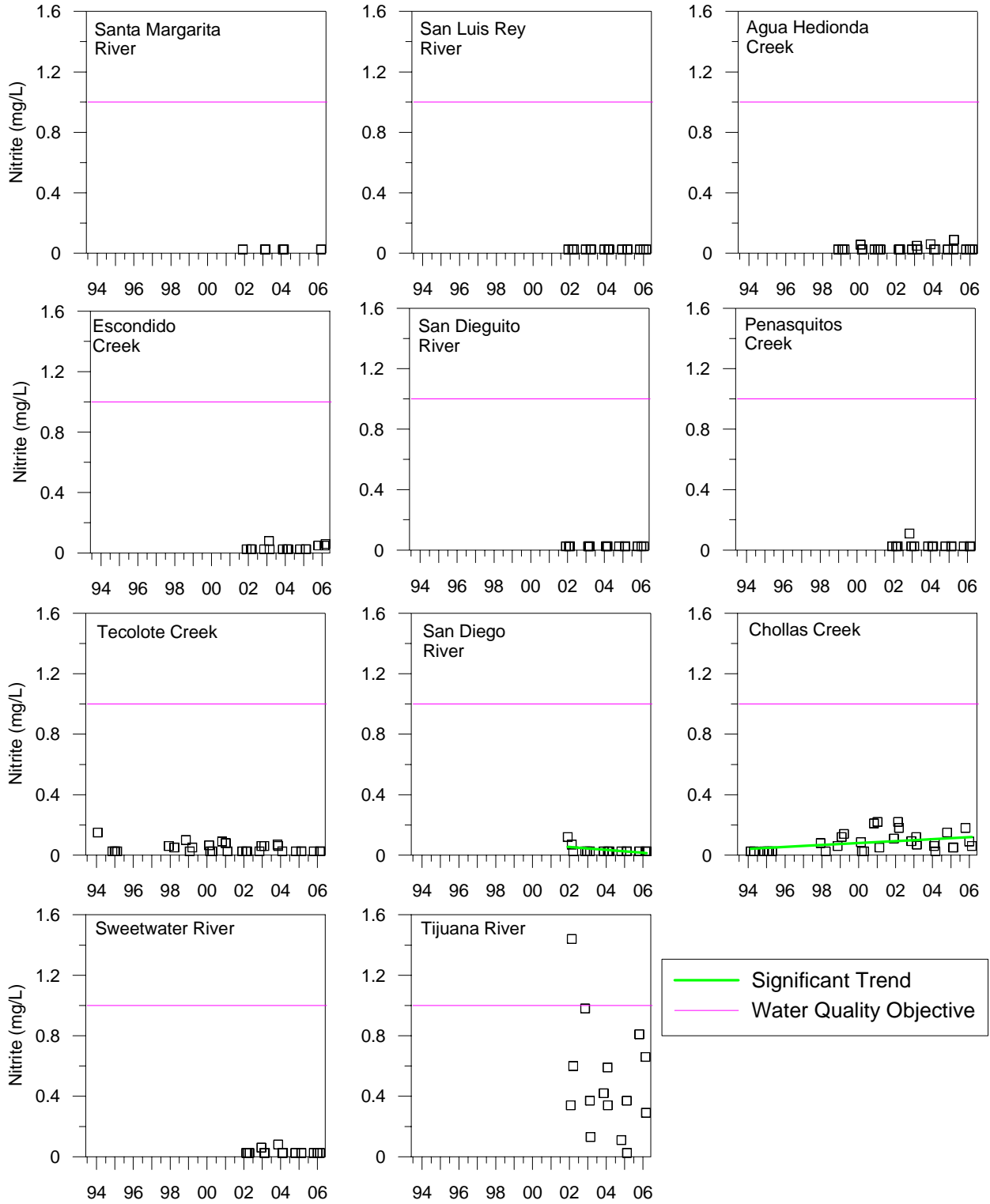
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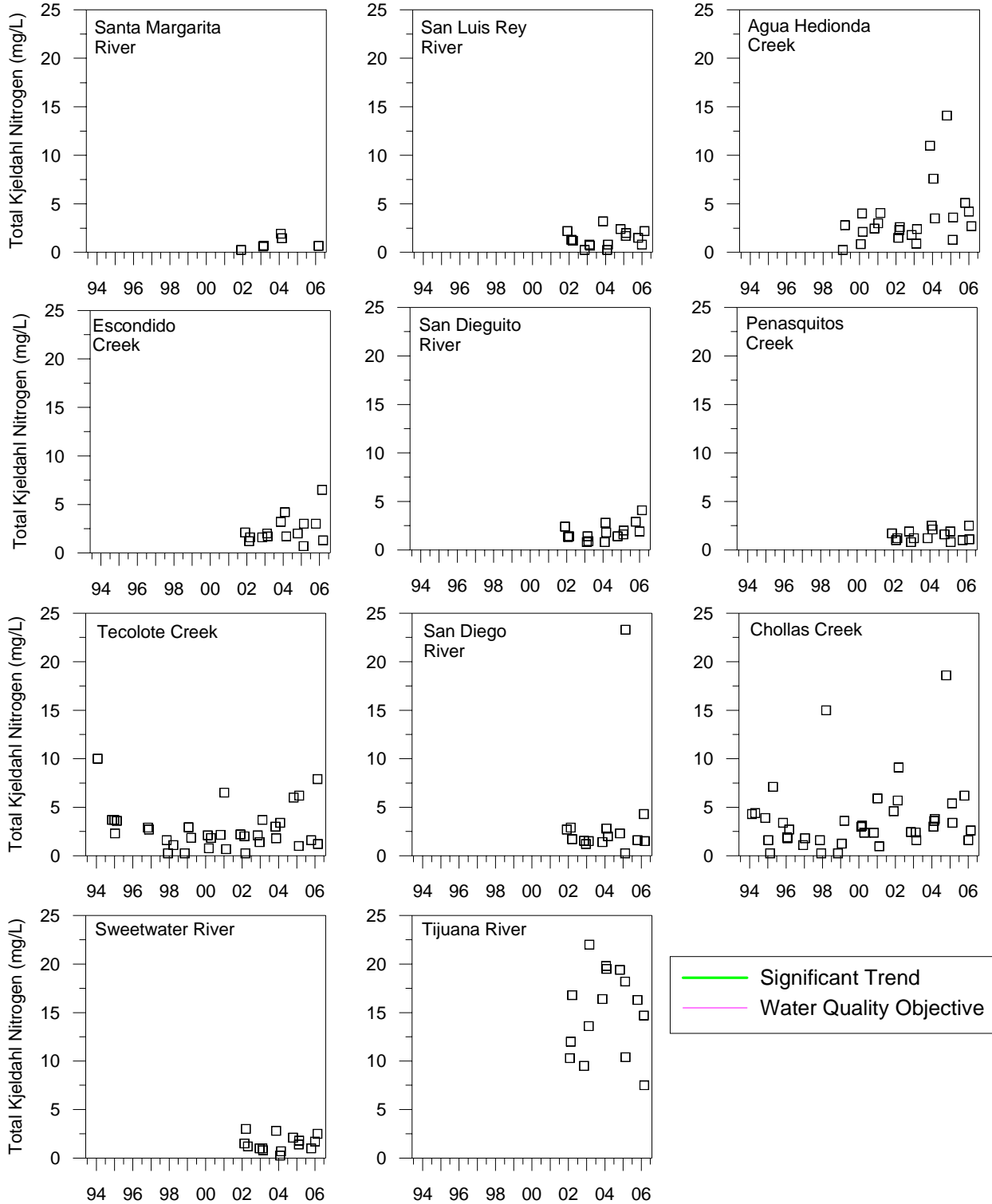
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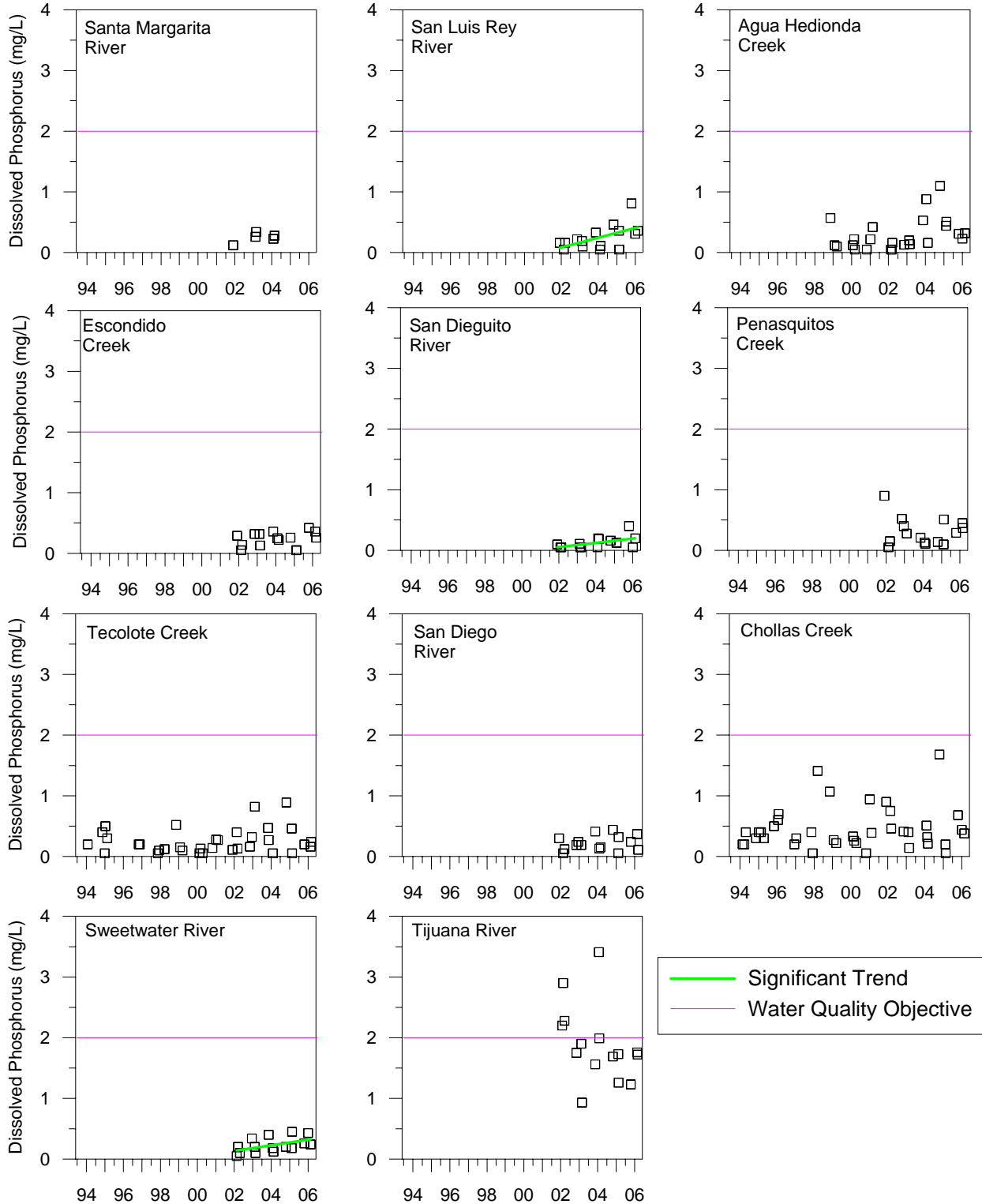
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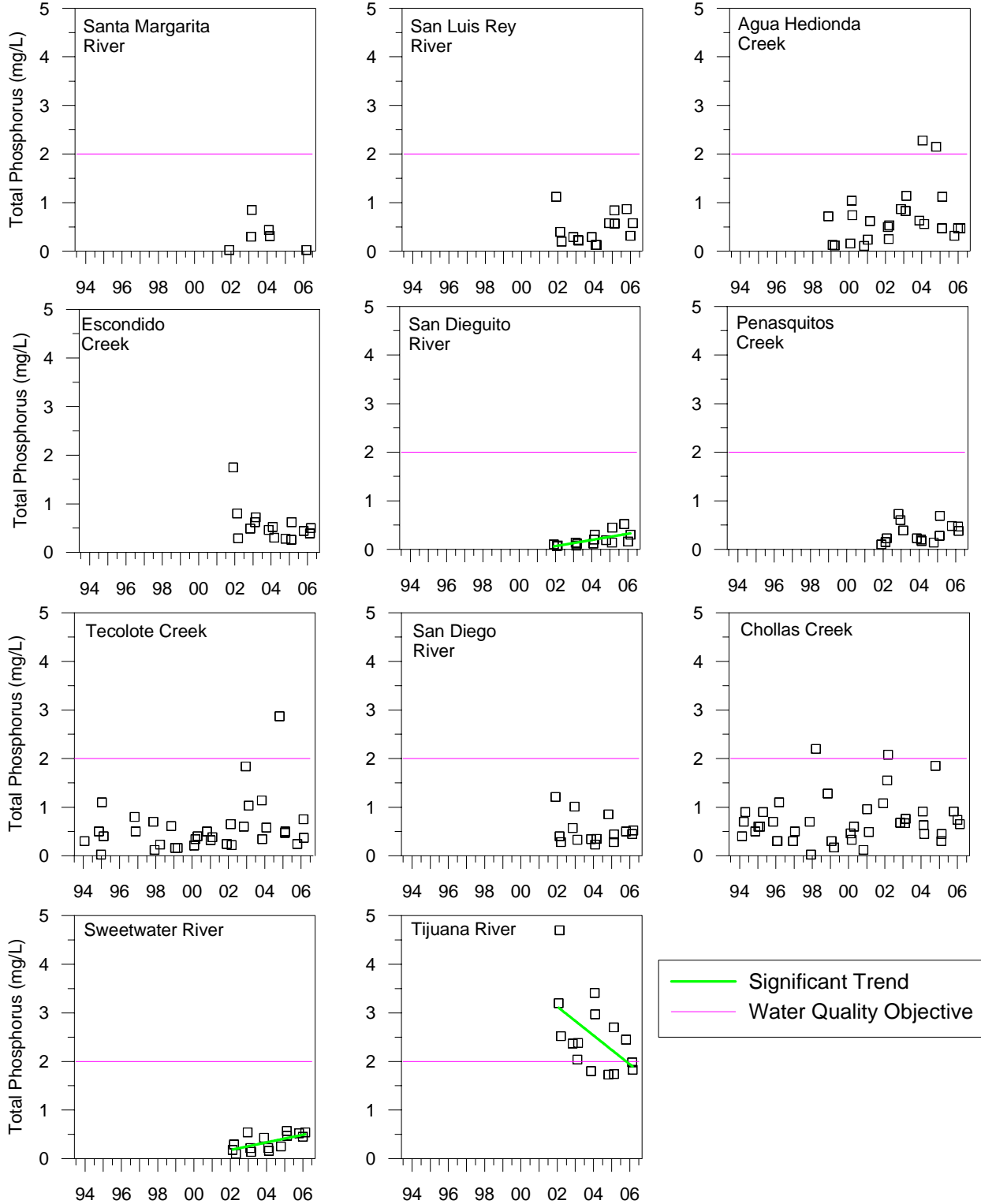
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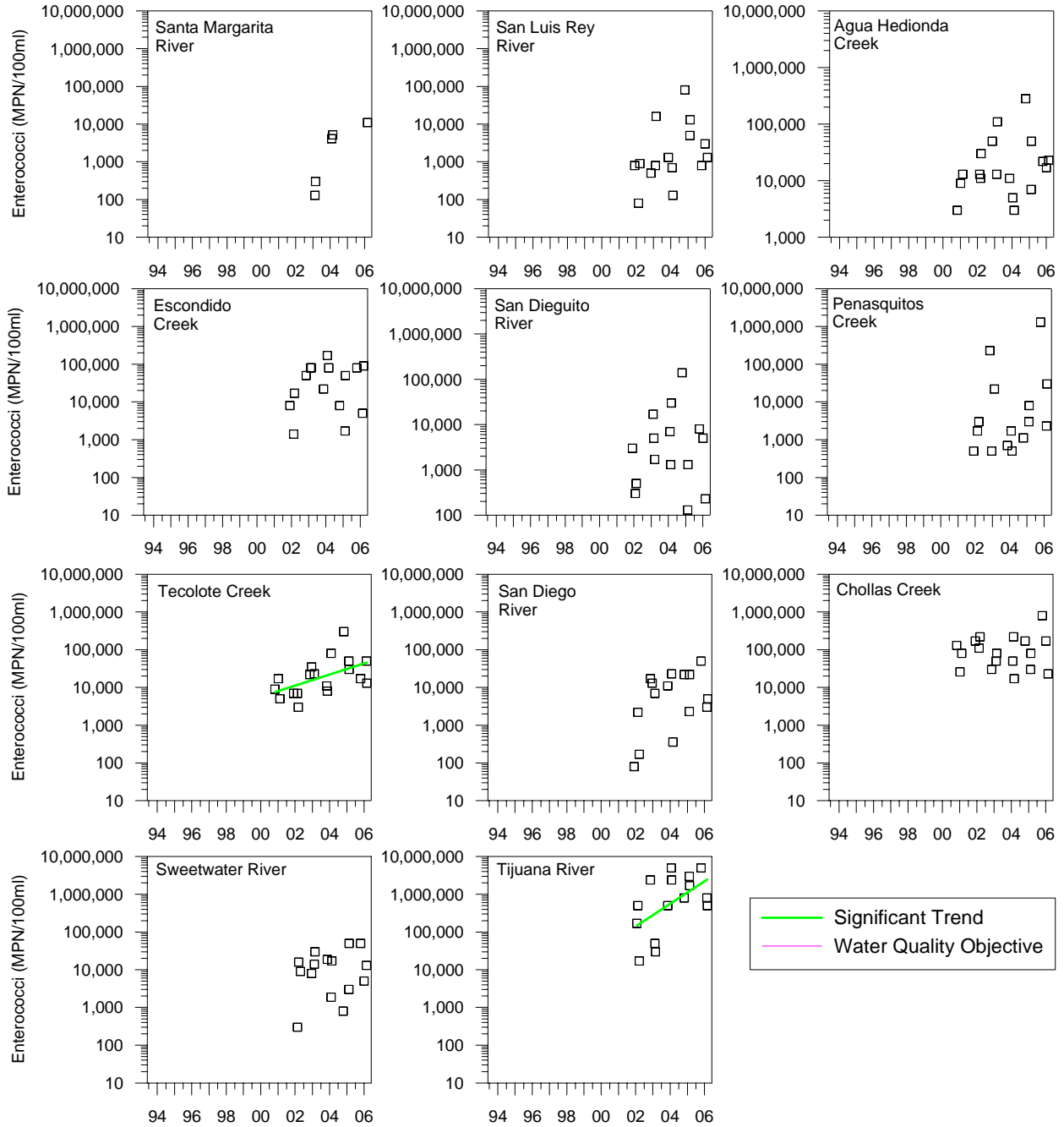


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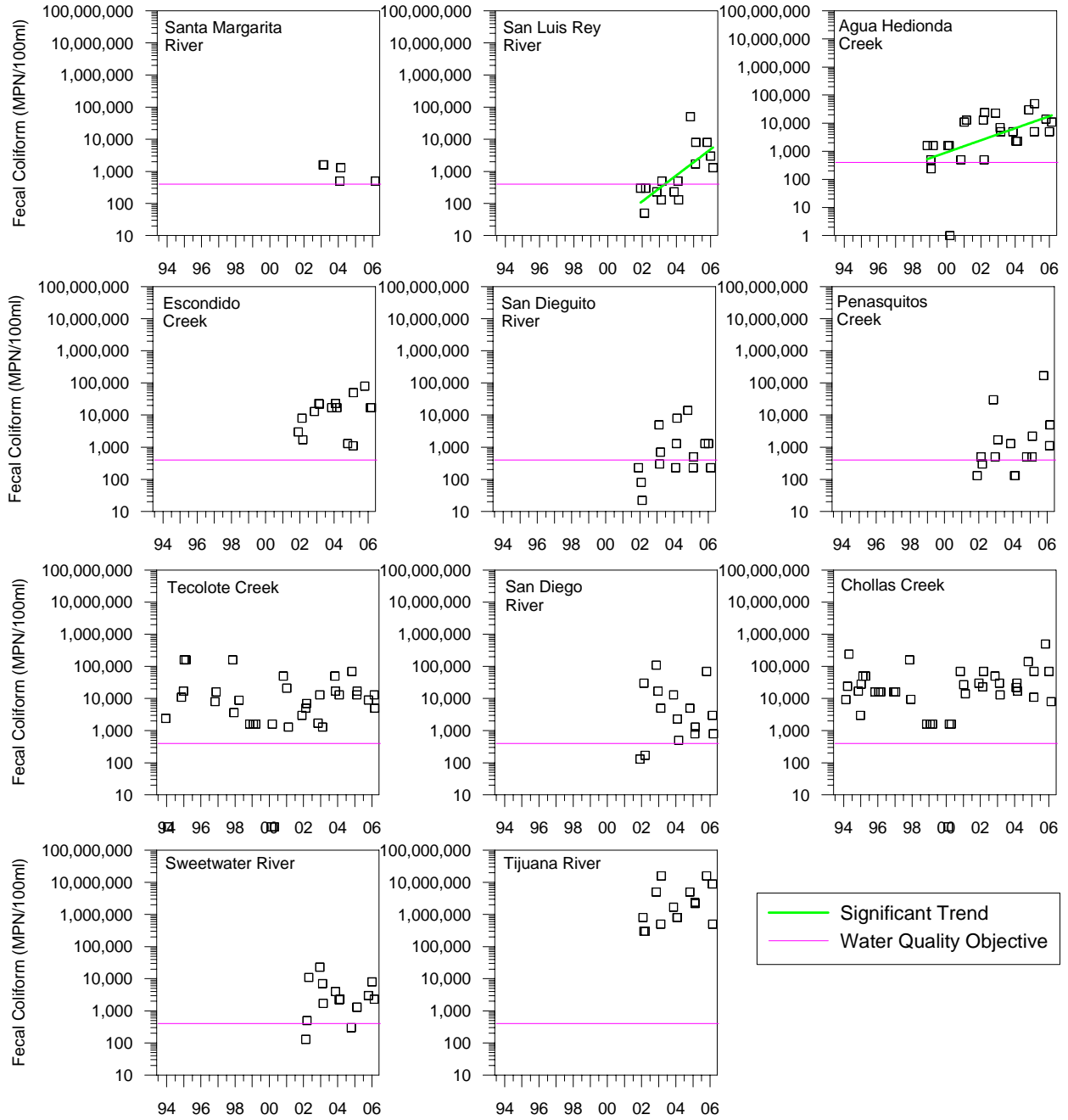


# BACTERIOLOGICAL MEASURES

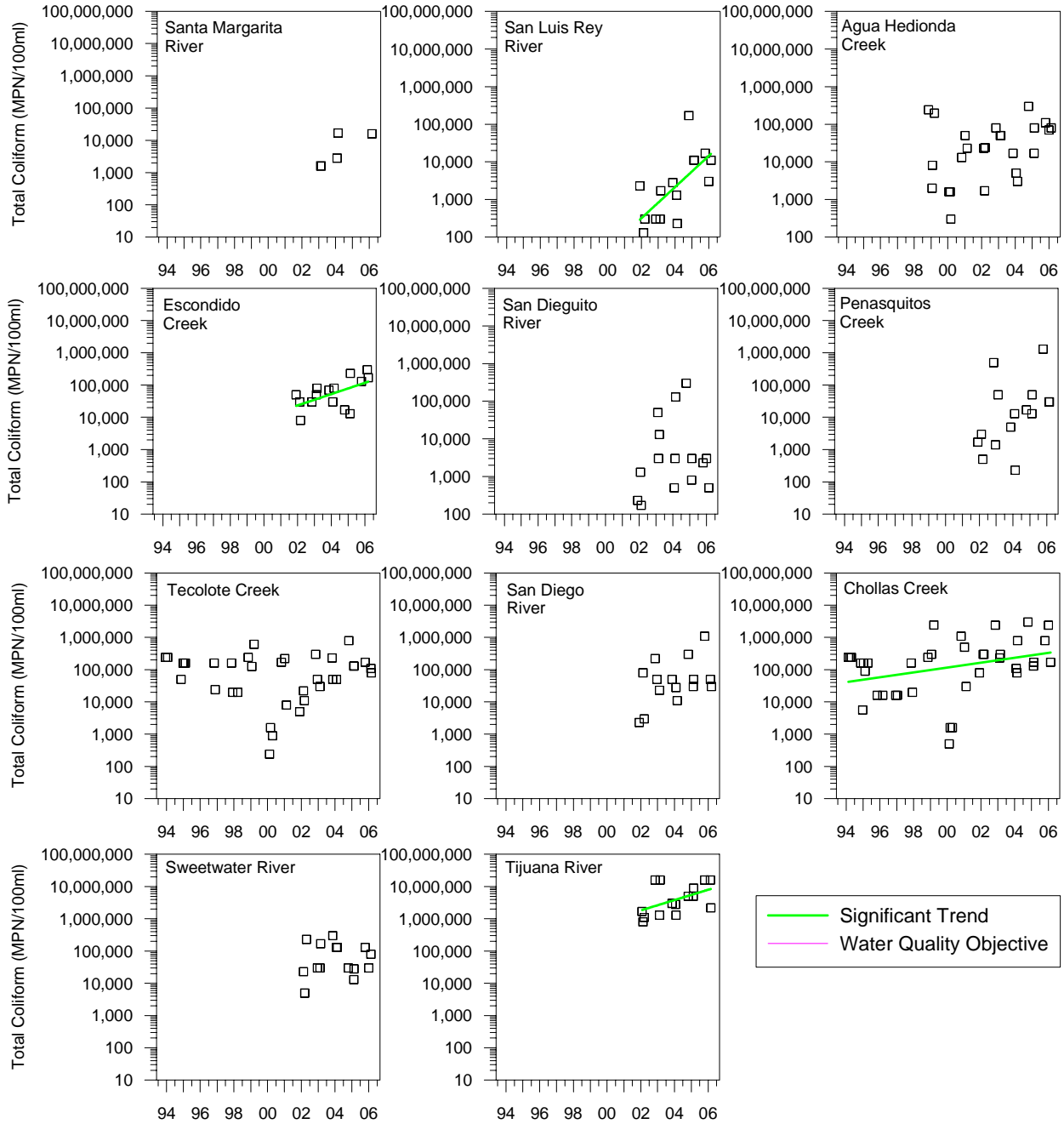
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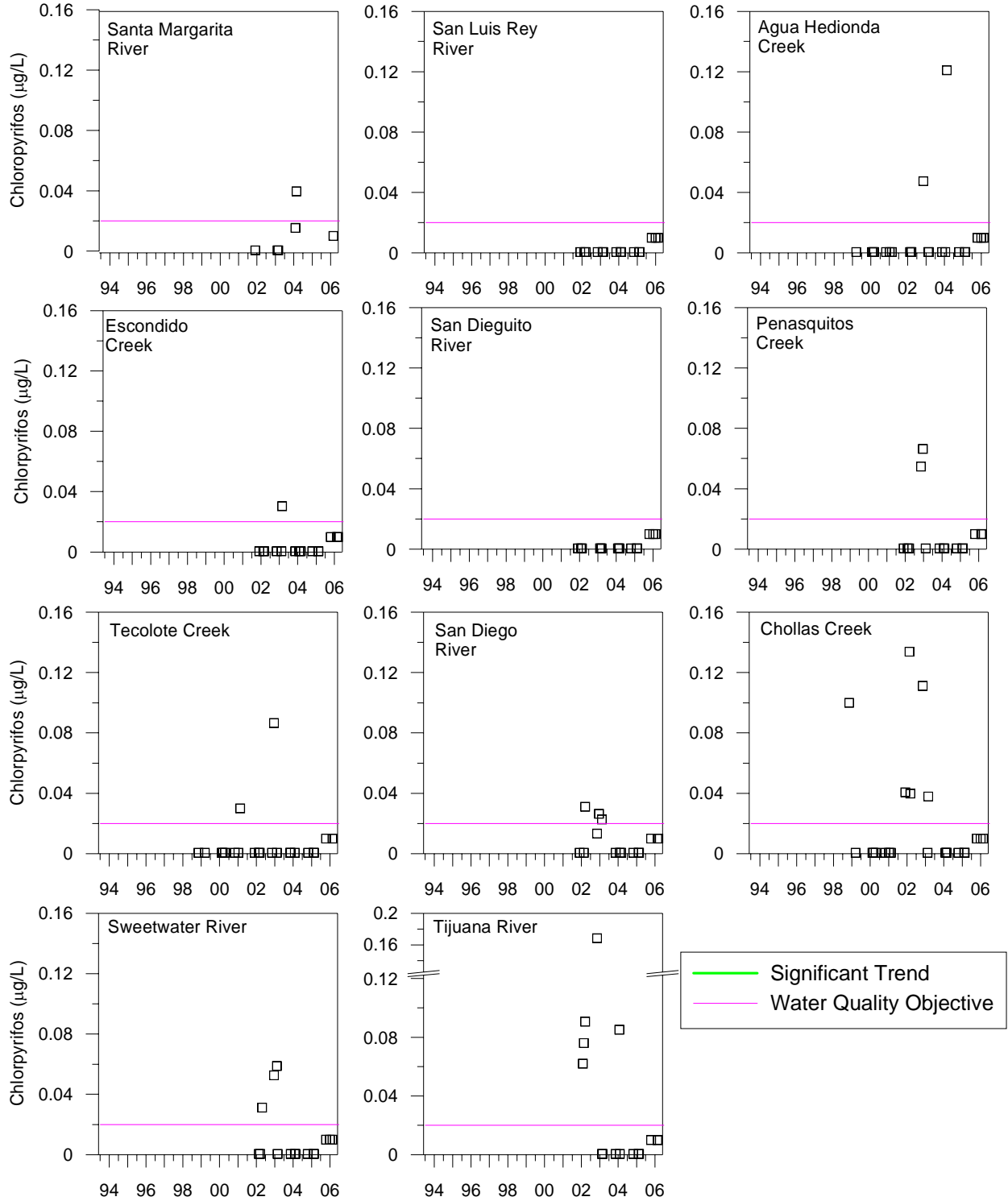


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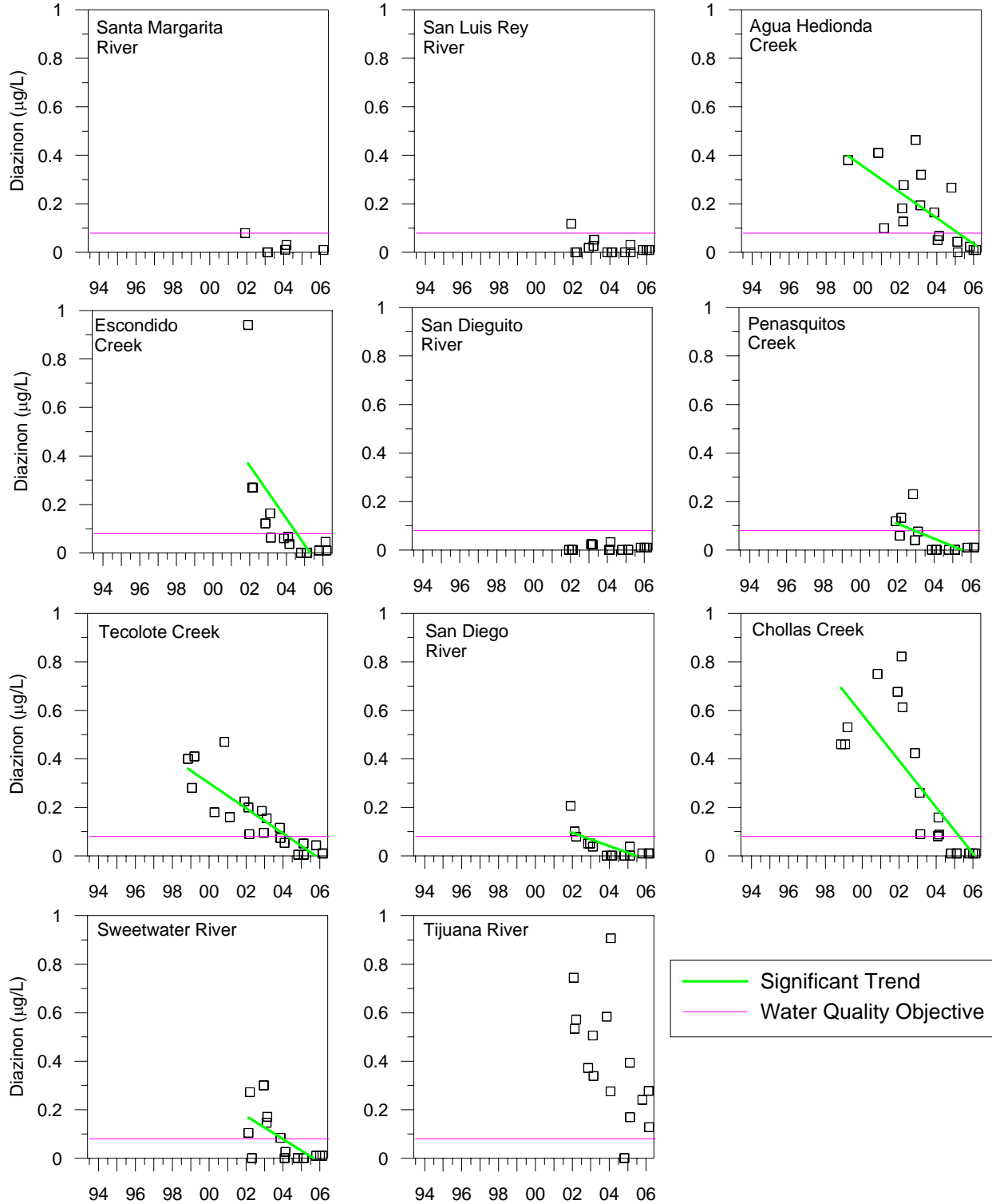


# PESTICIDES

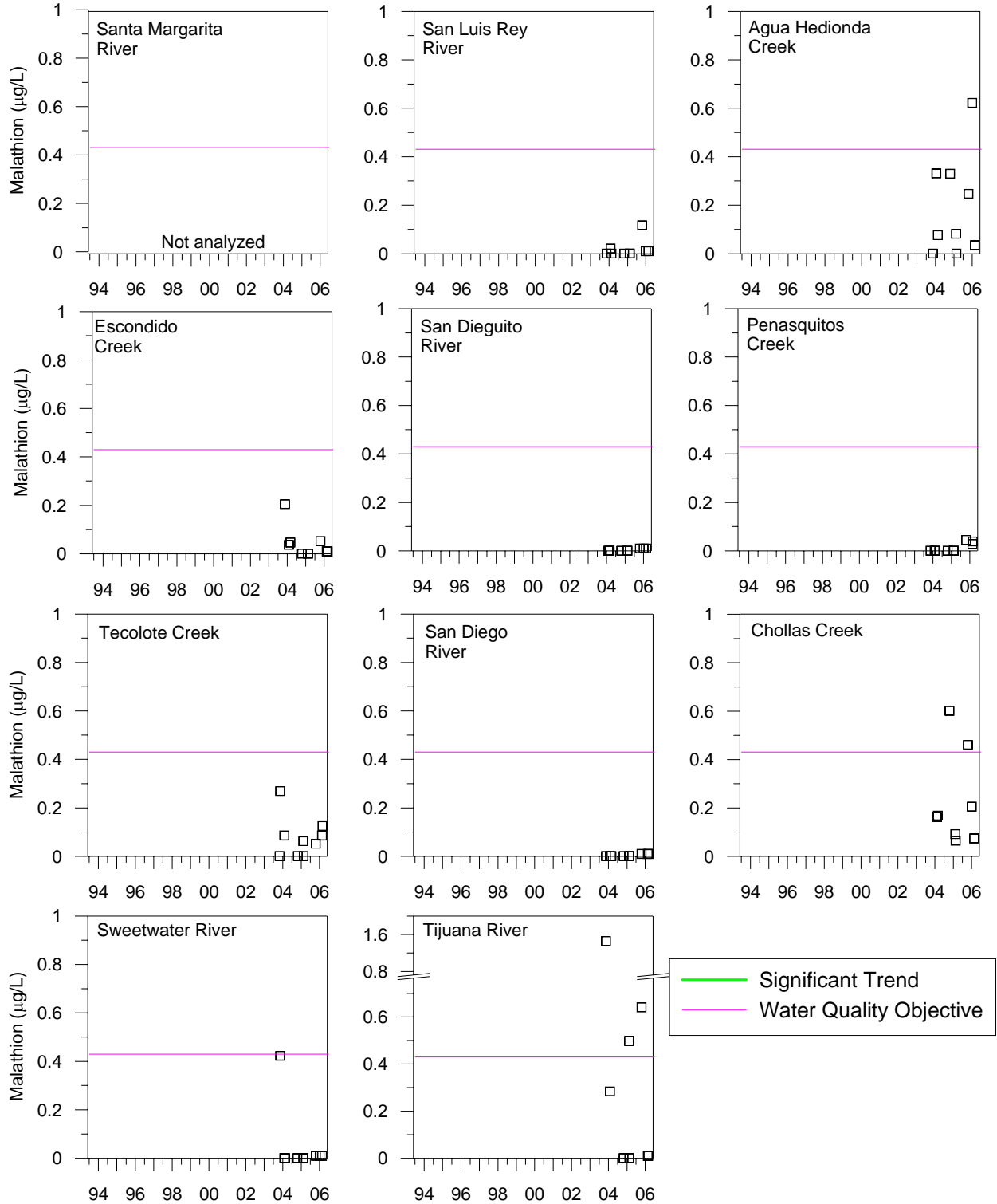
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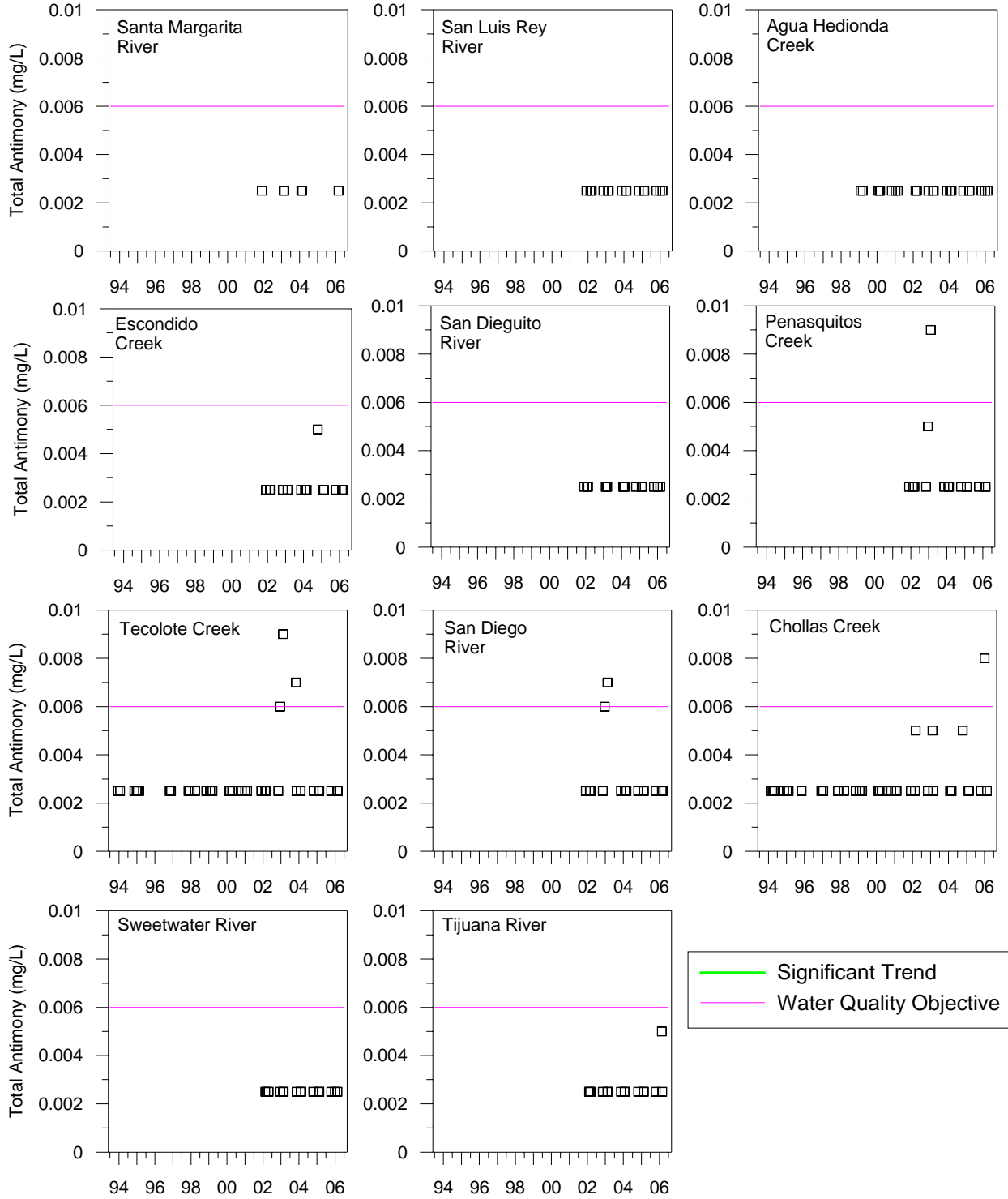


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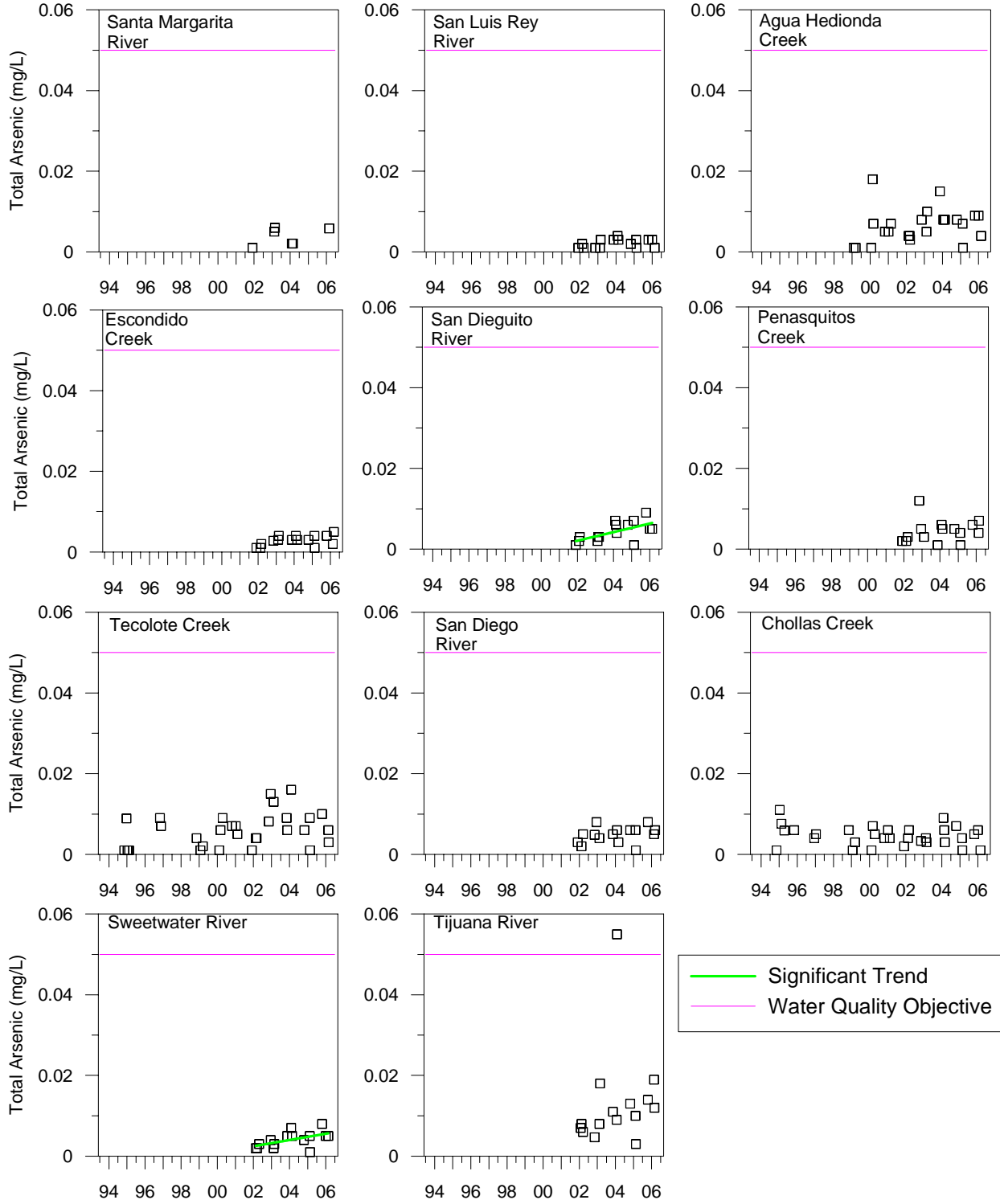


# **TOTAL METALS**

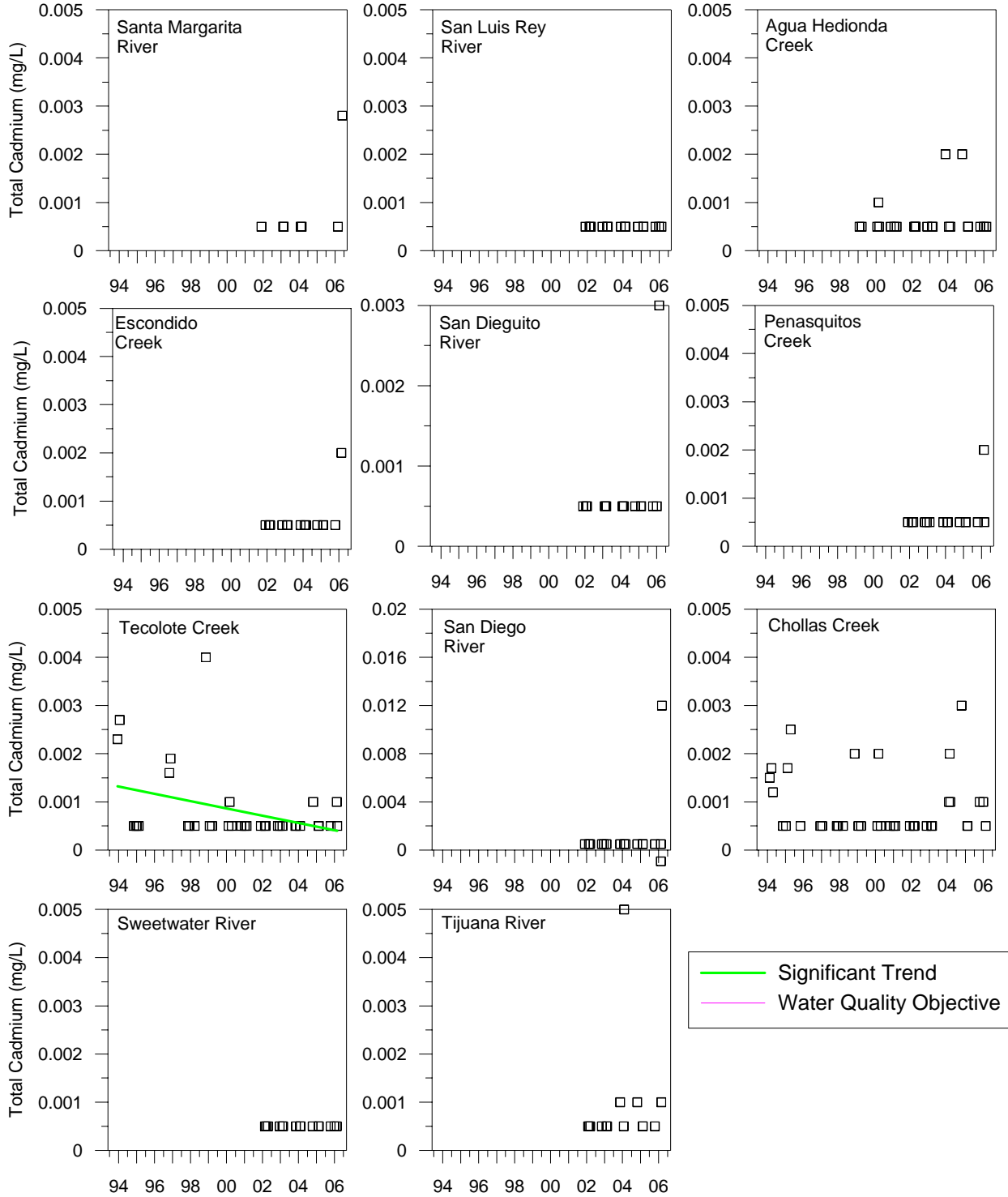
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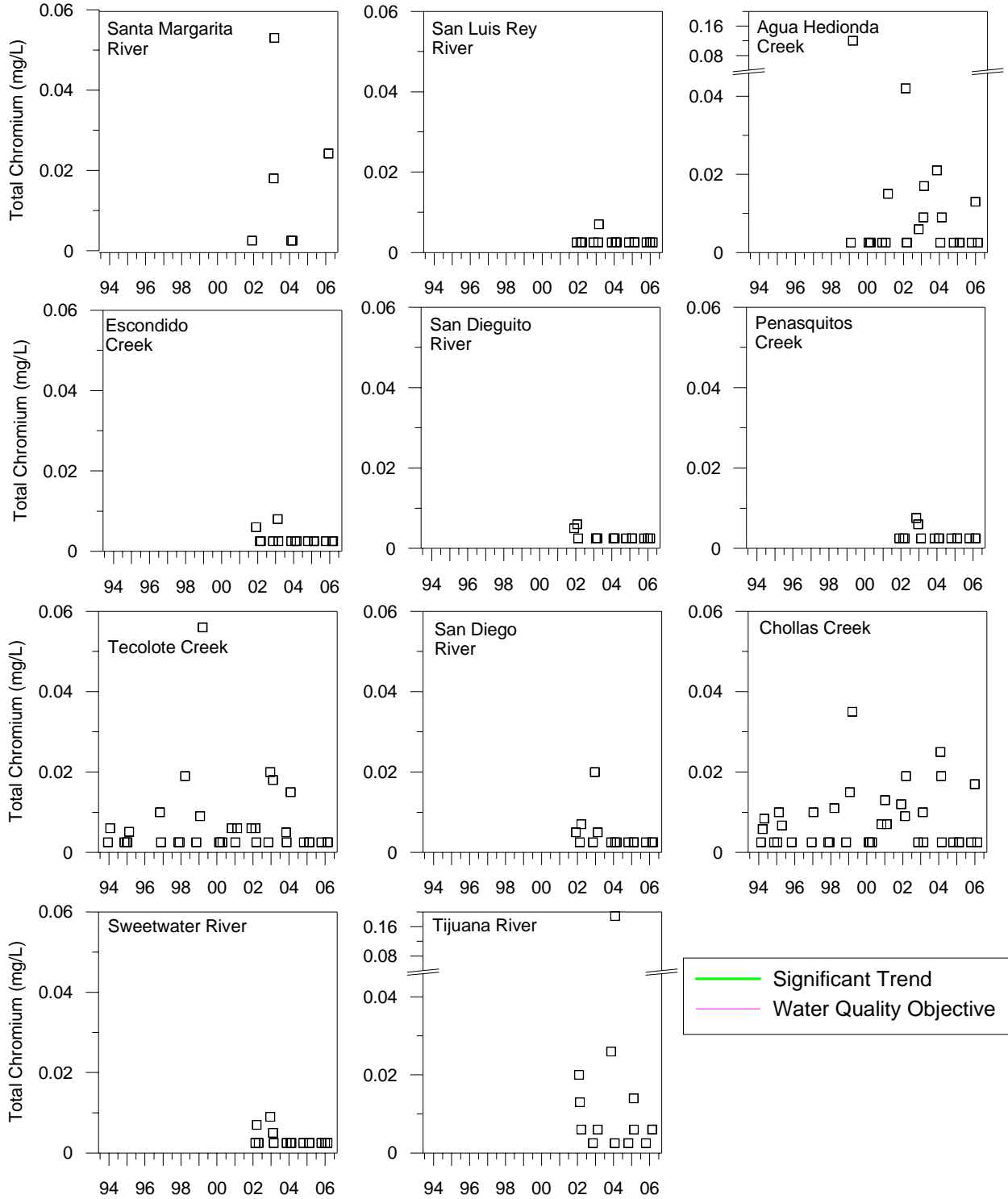
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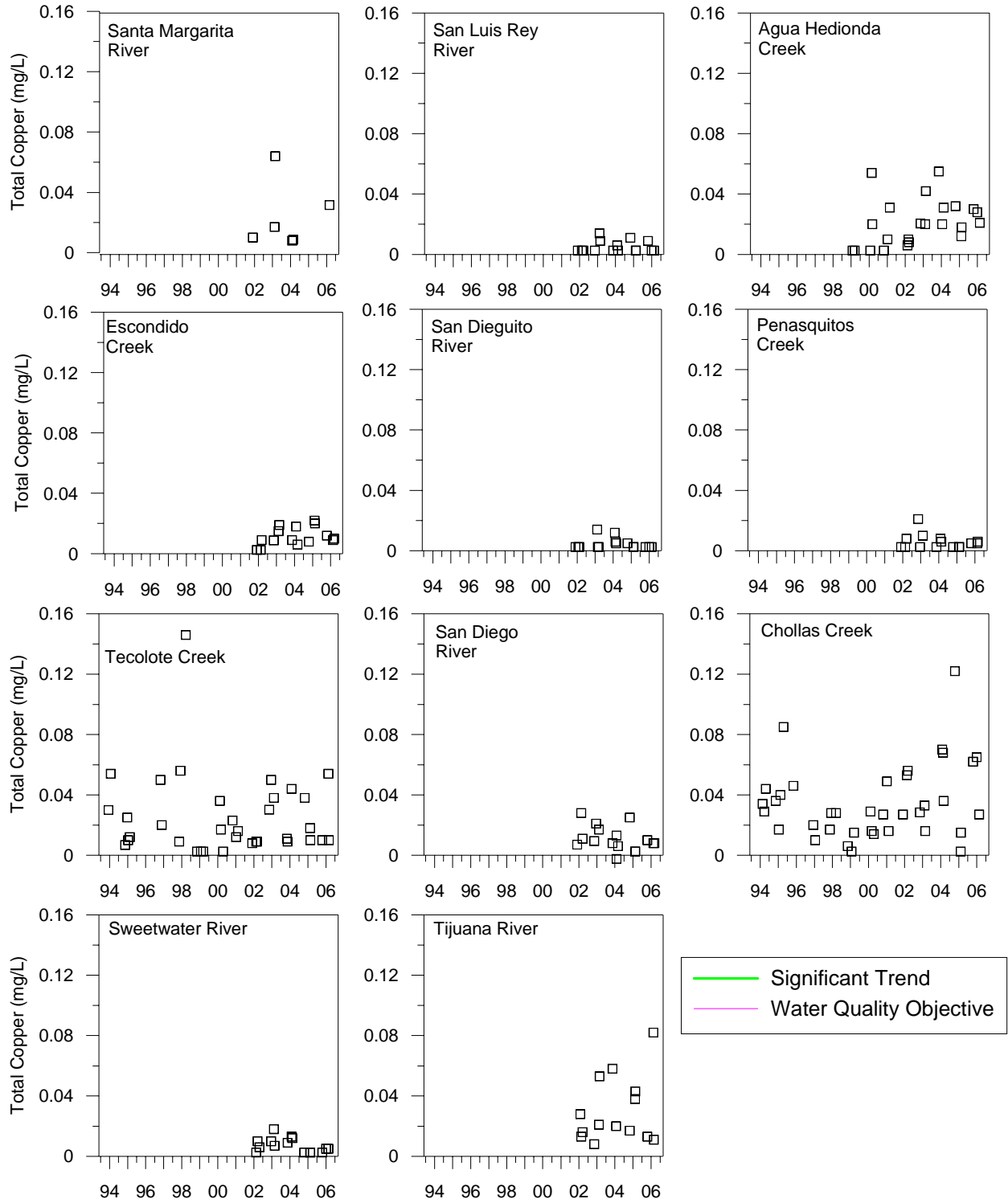
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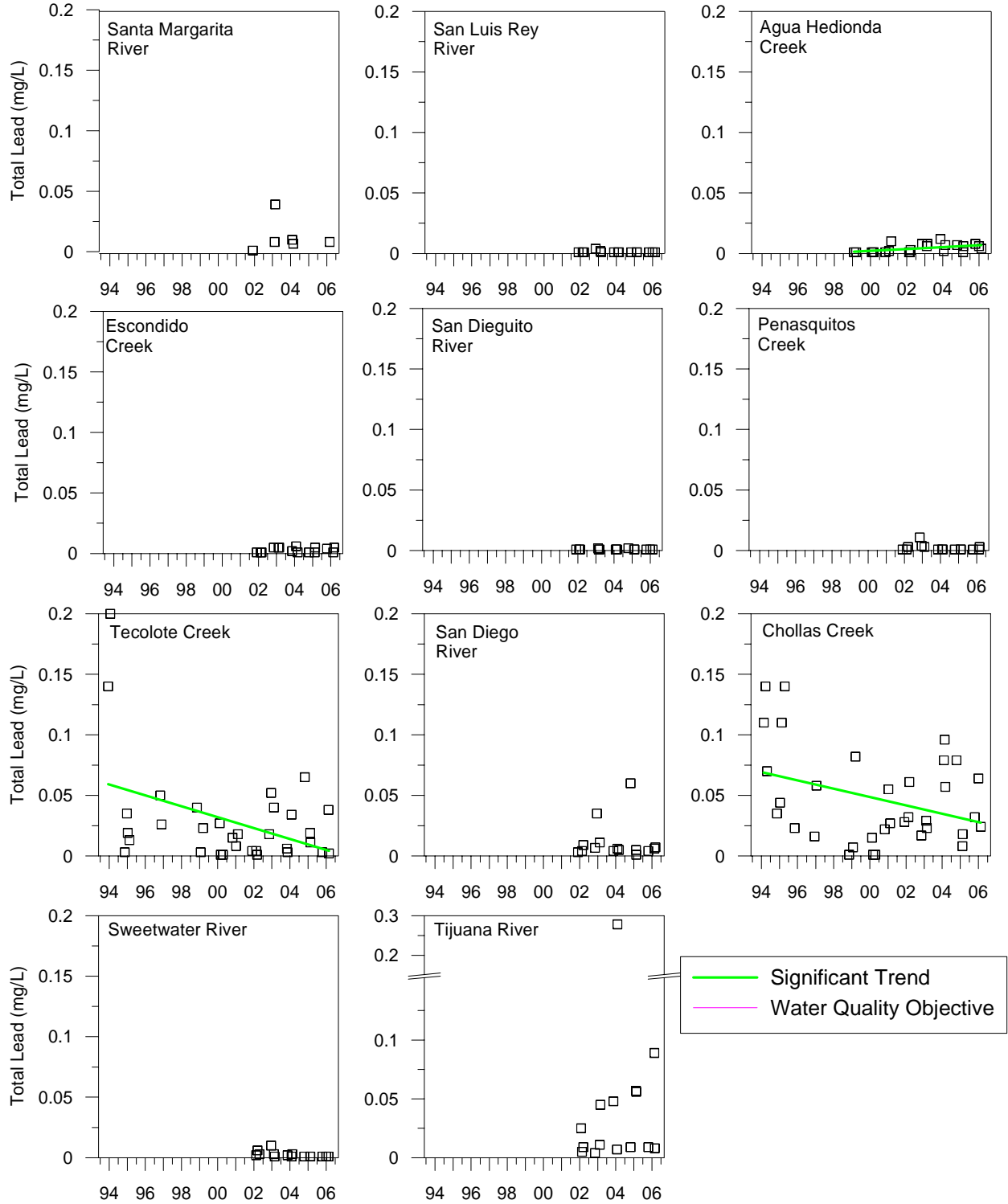
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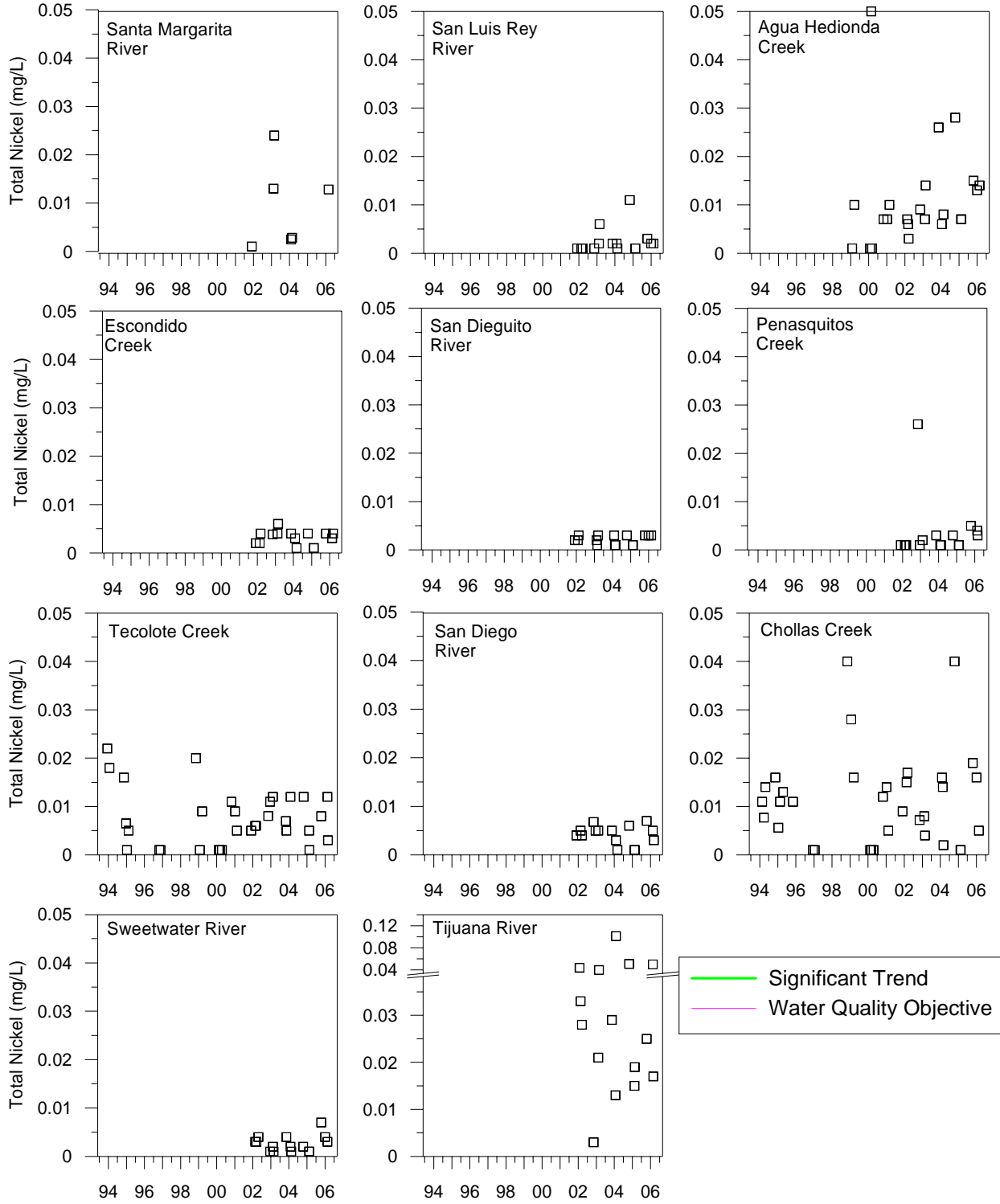
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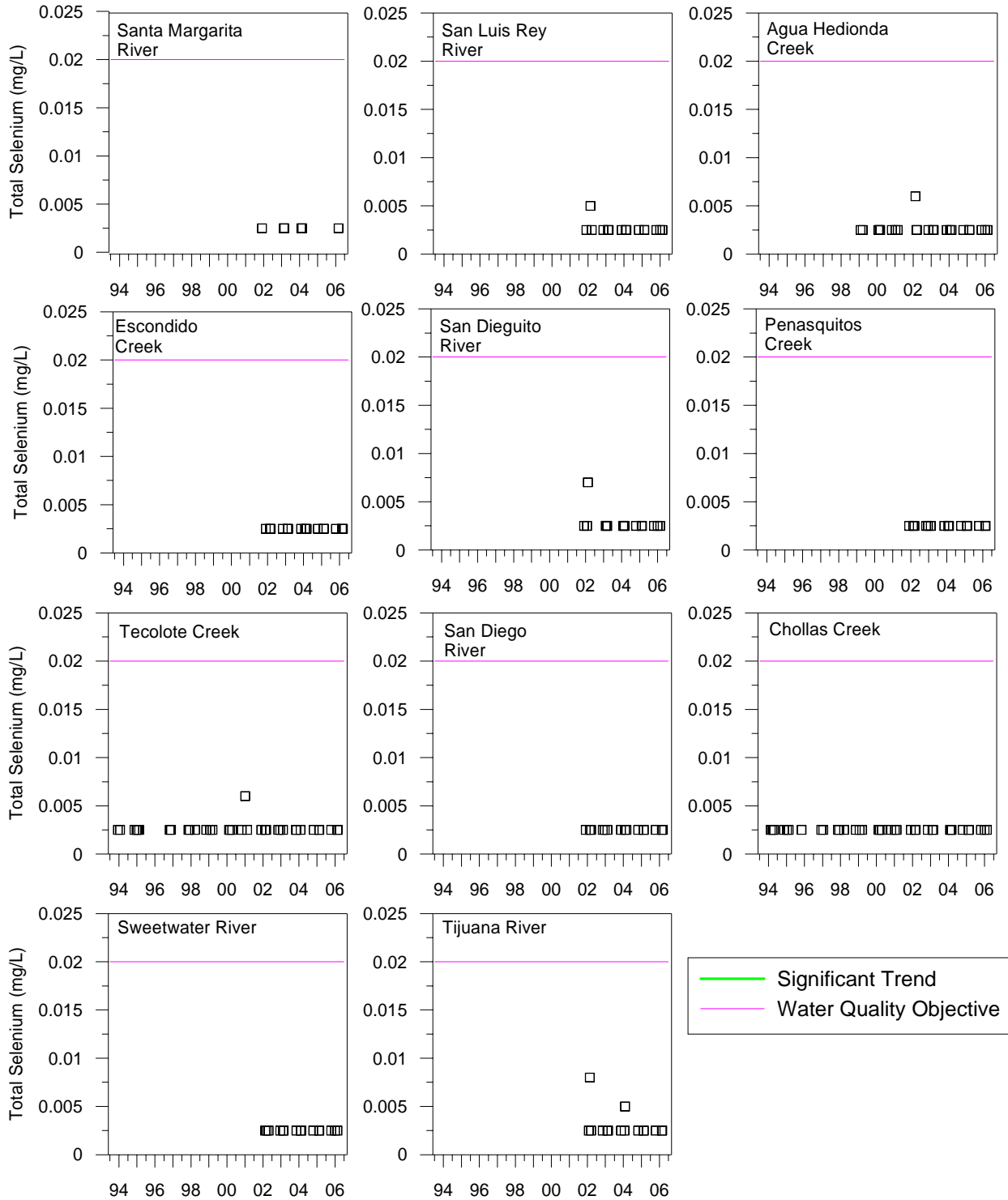
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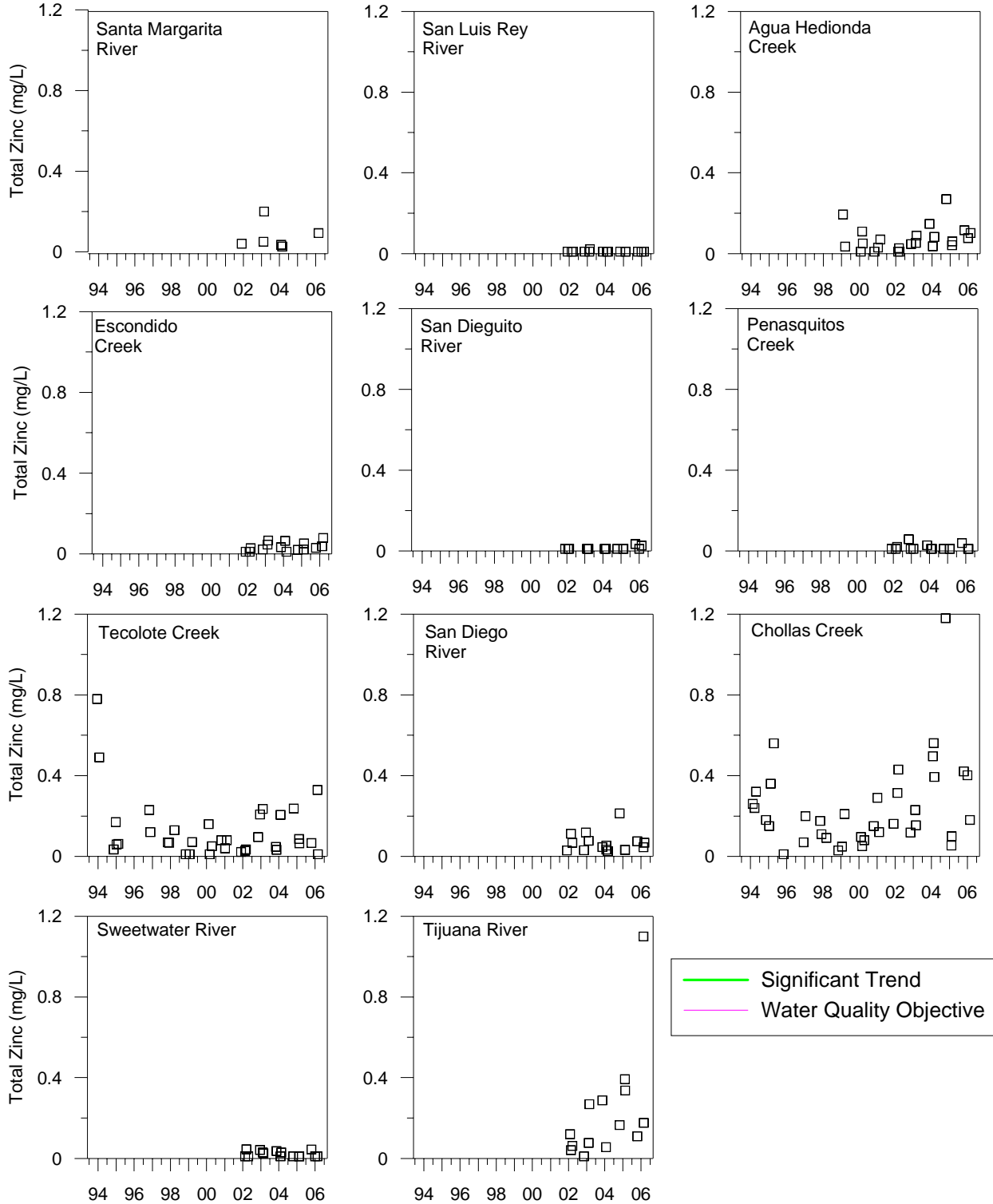
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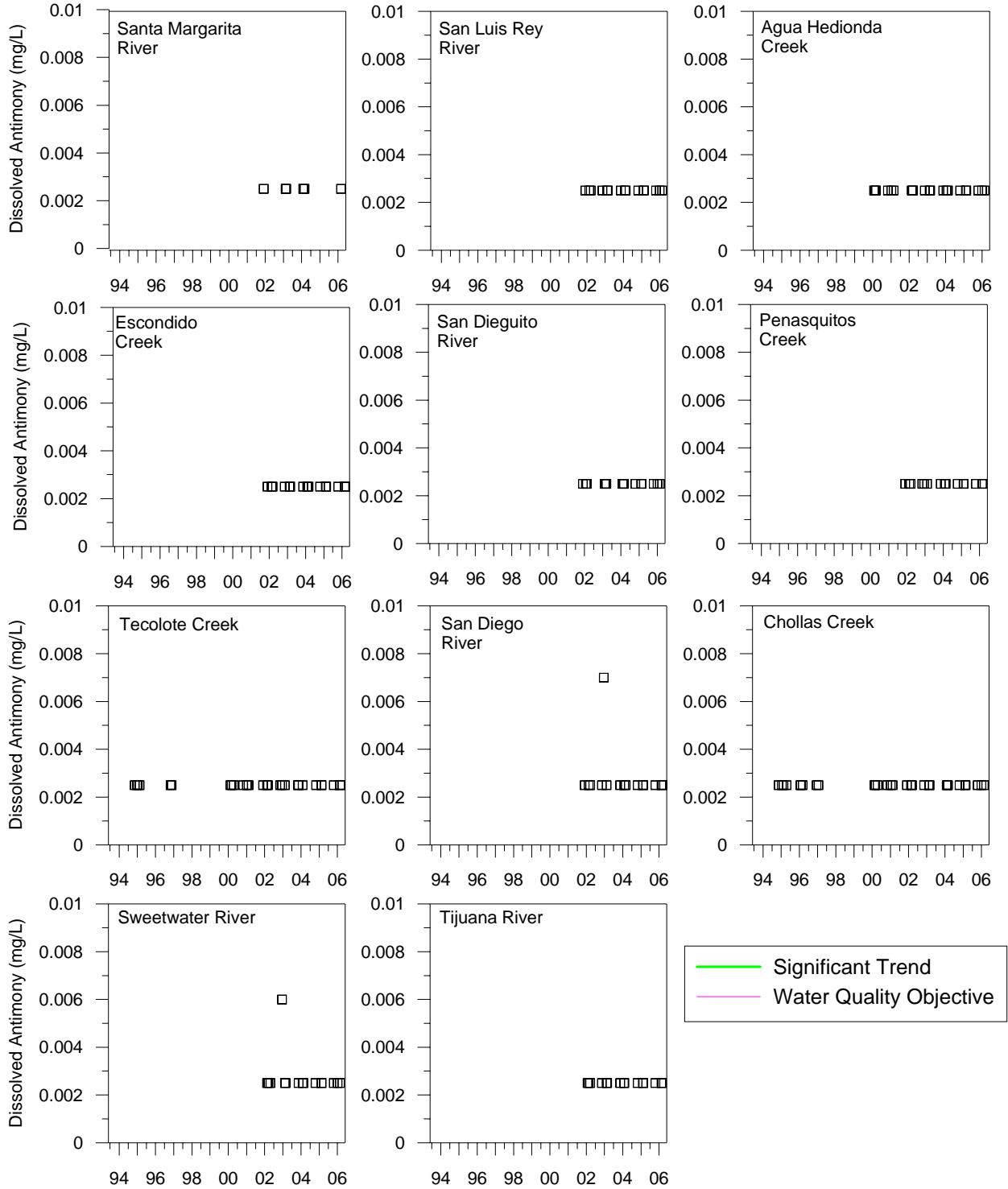


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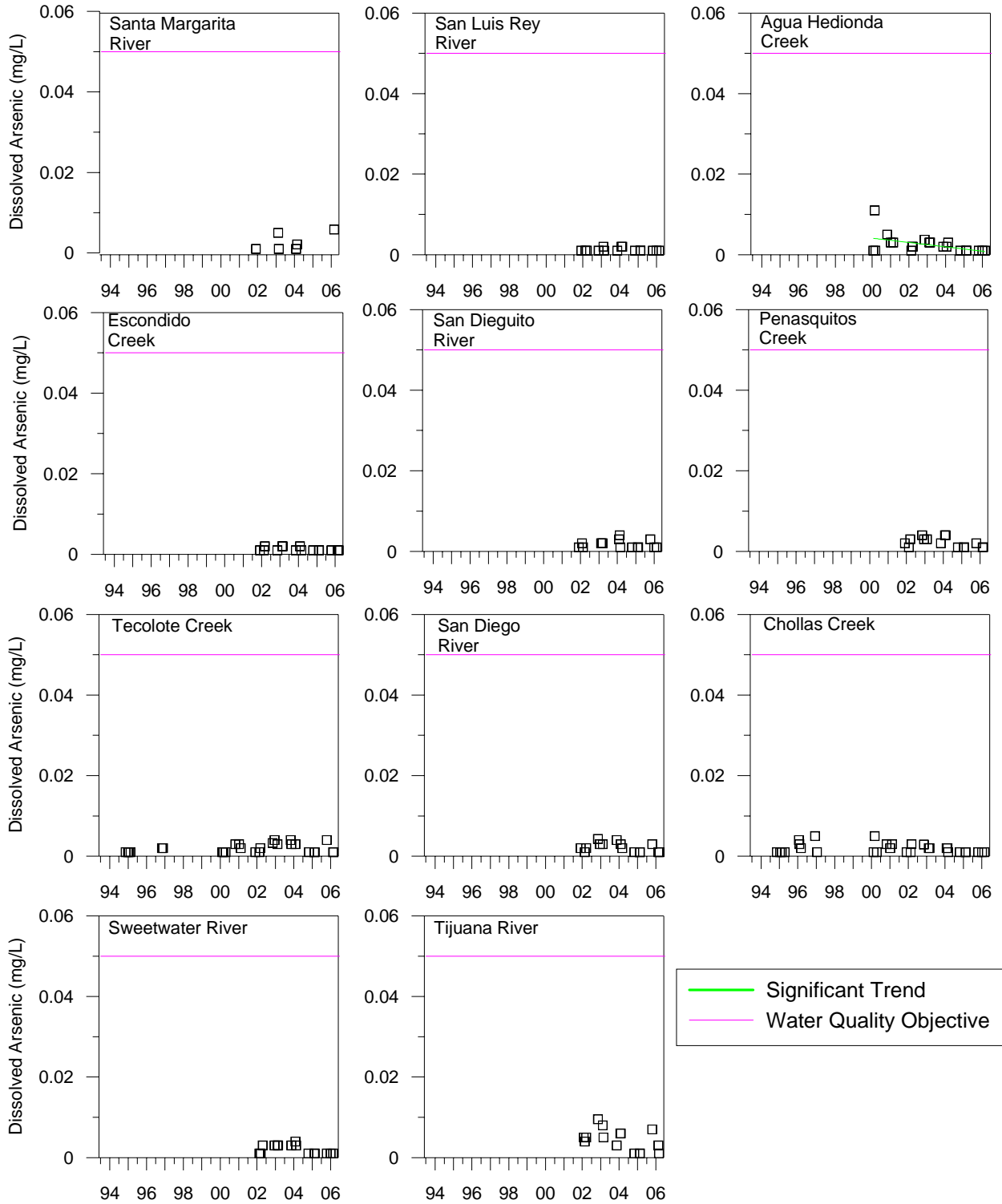


# DISSOLVED METALS

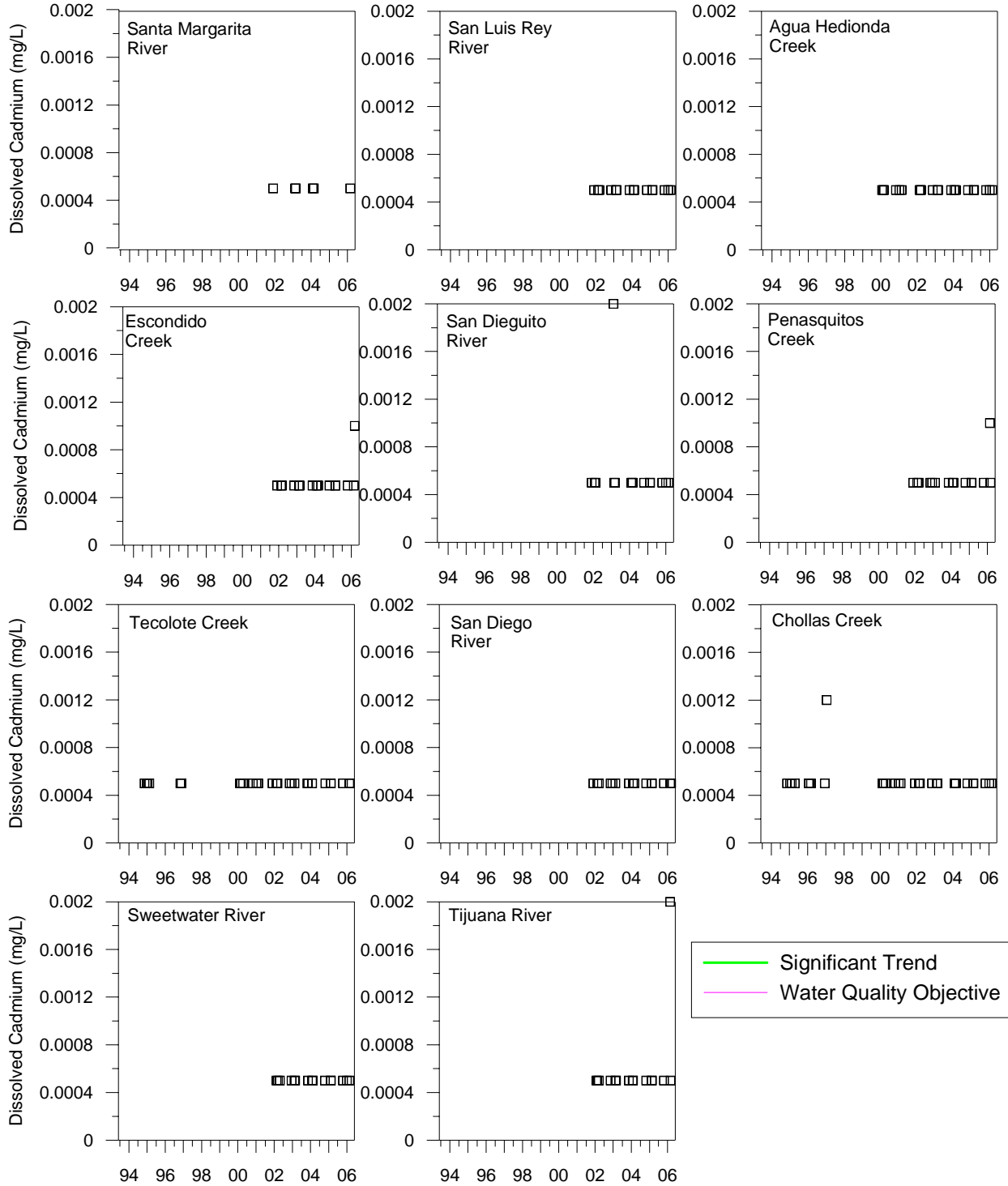
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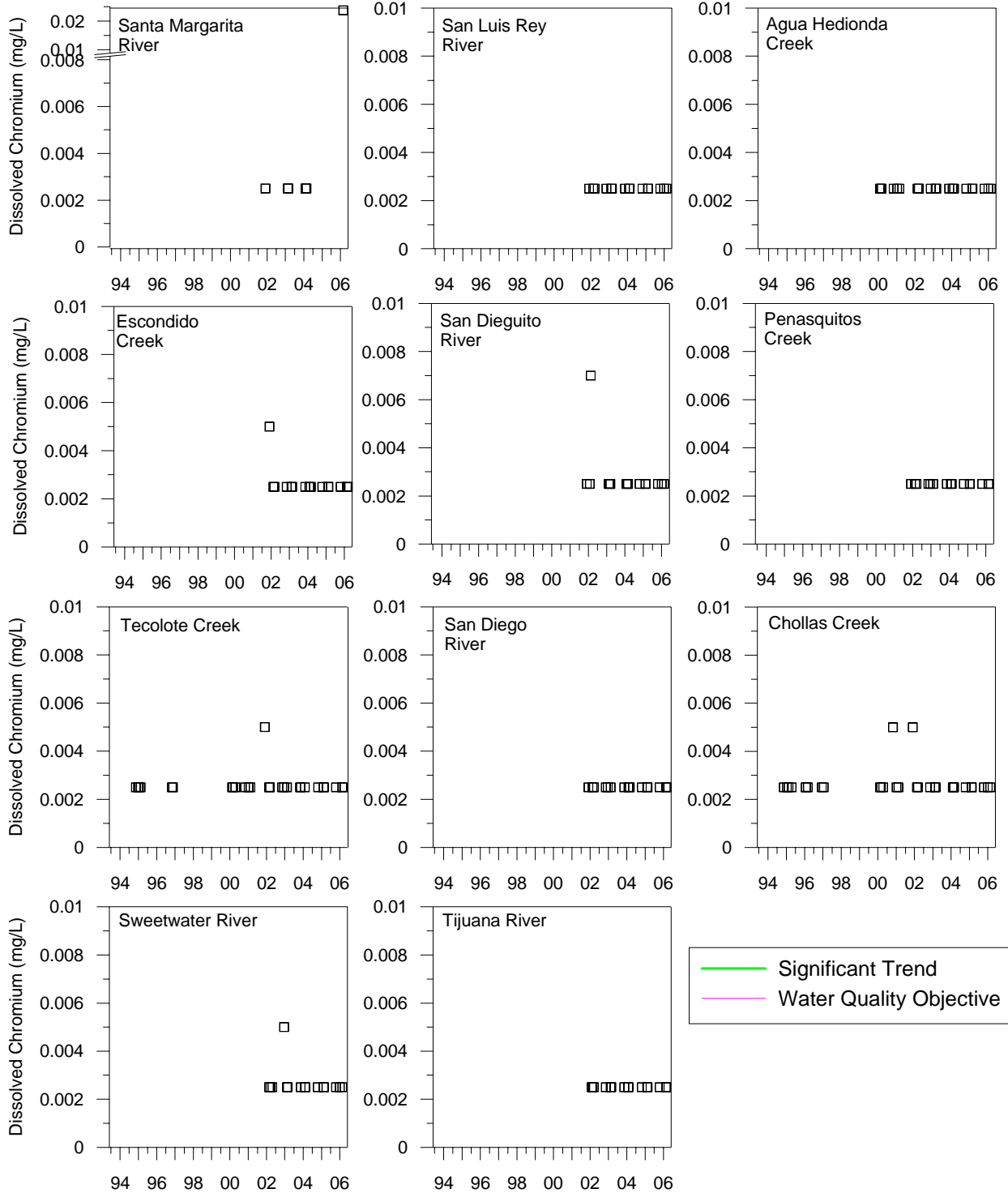
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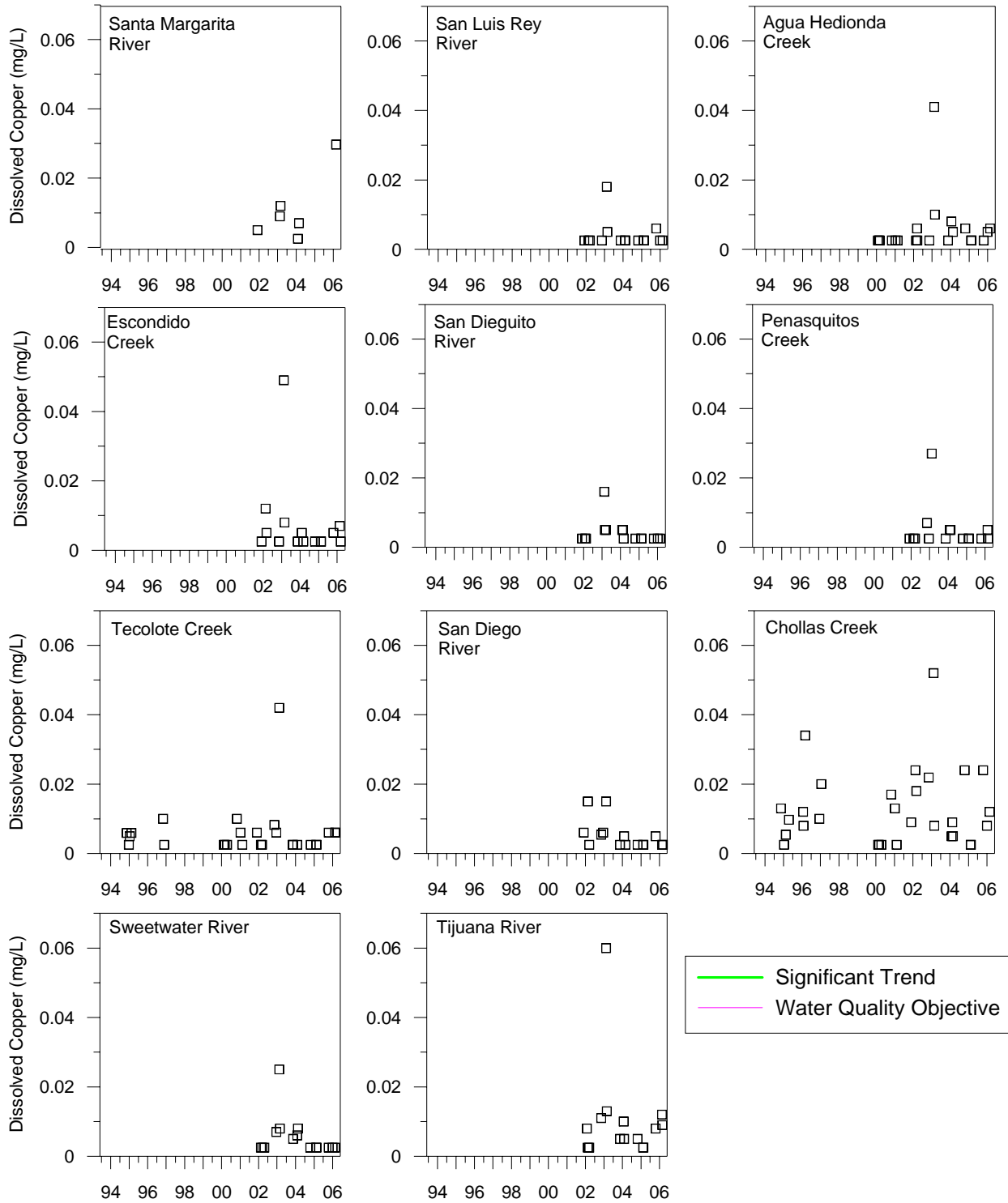
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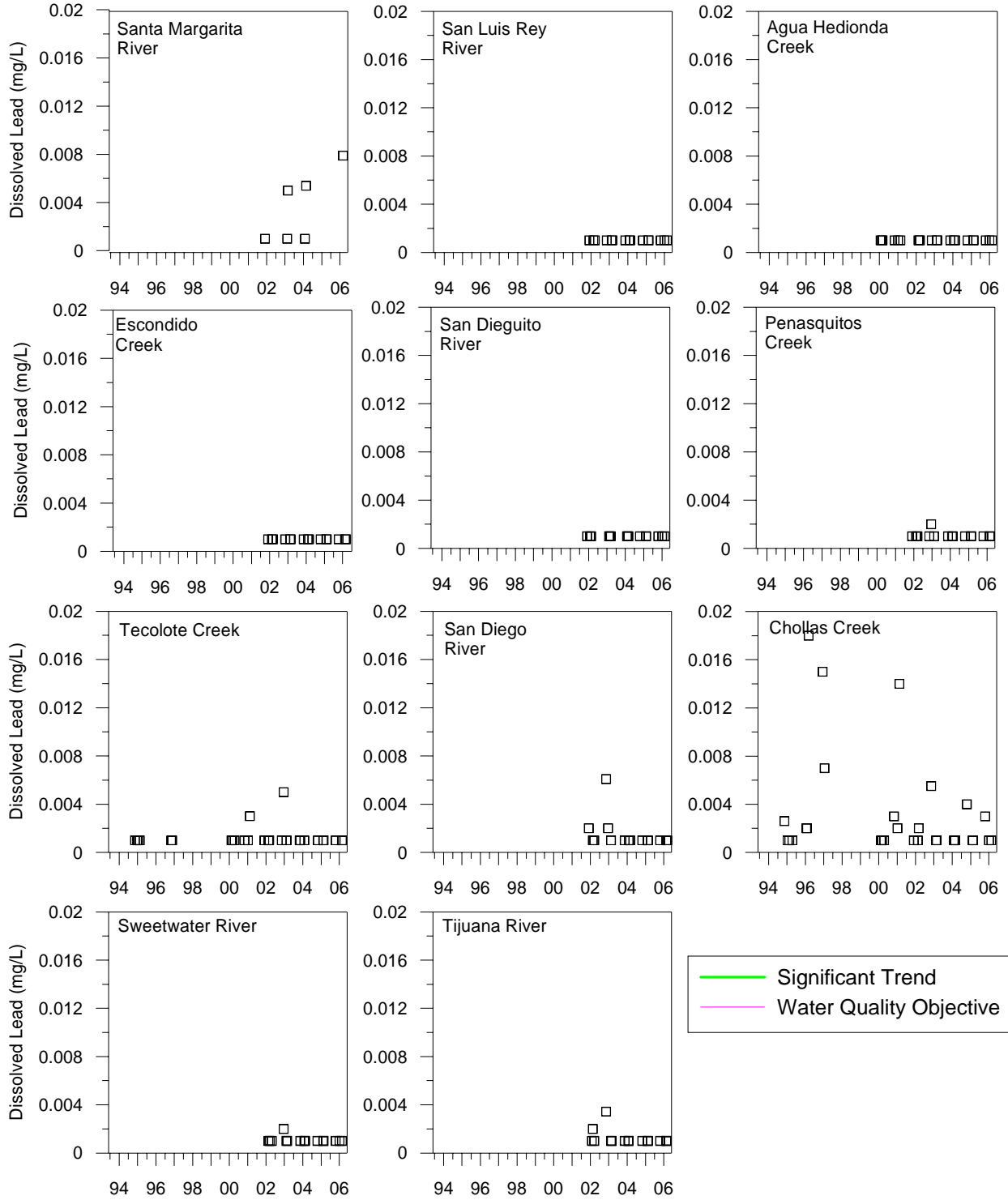
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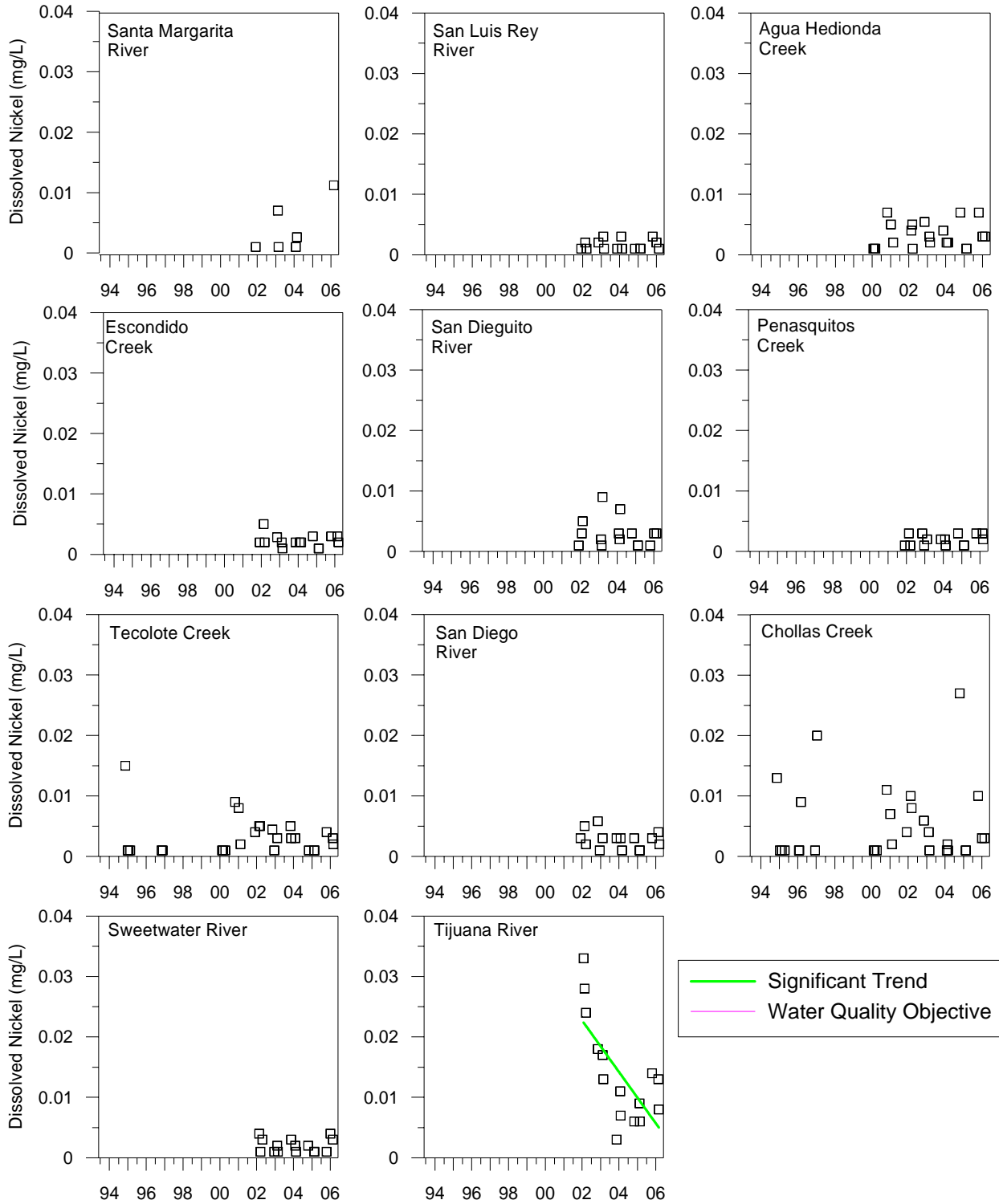
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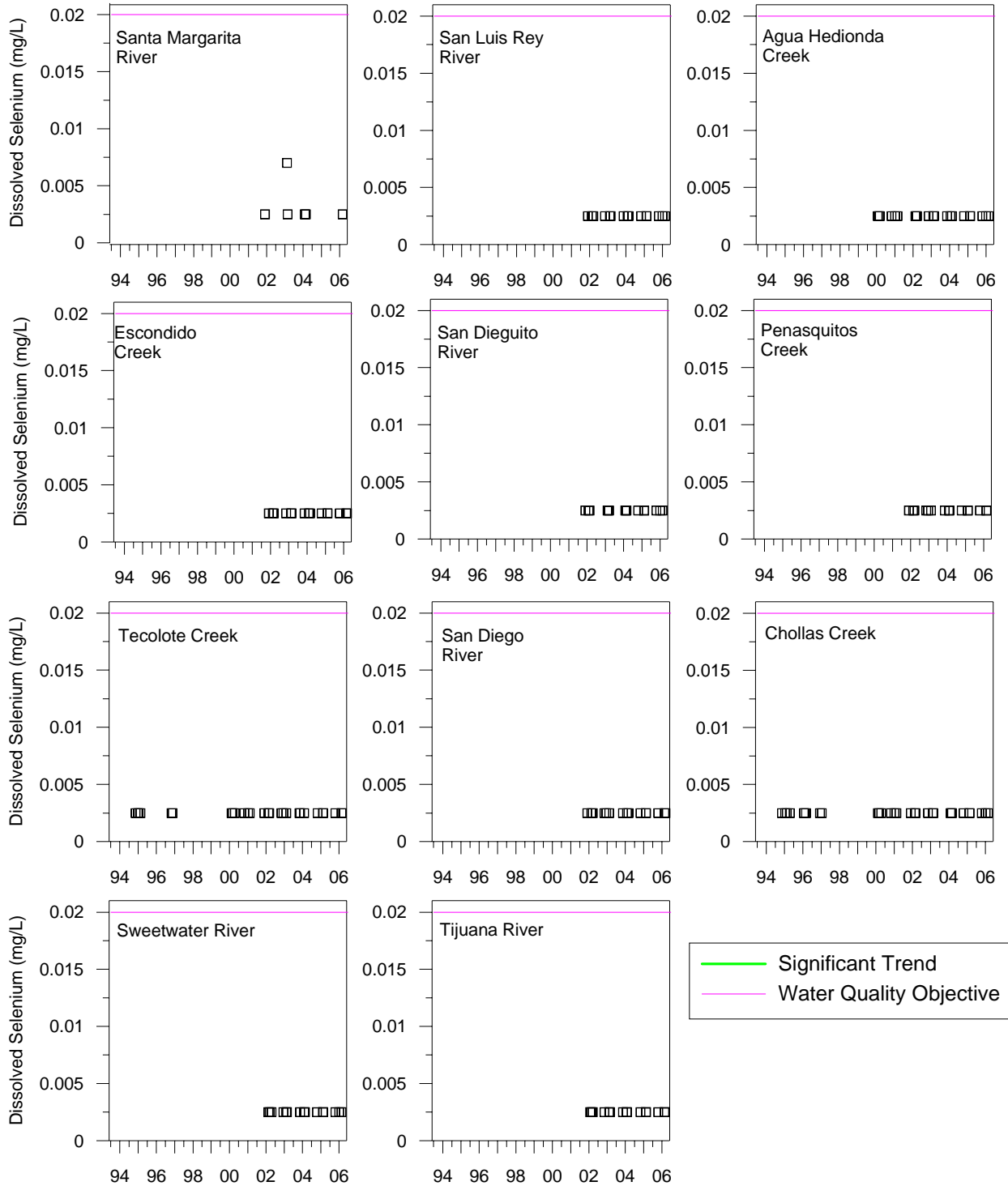
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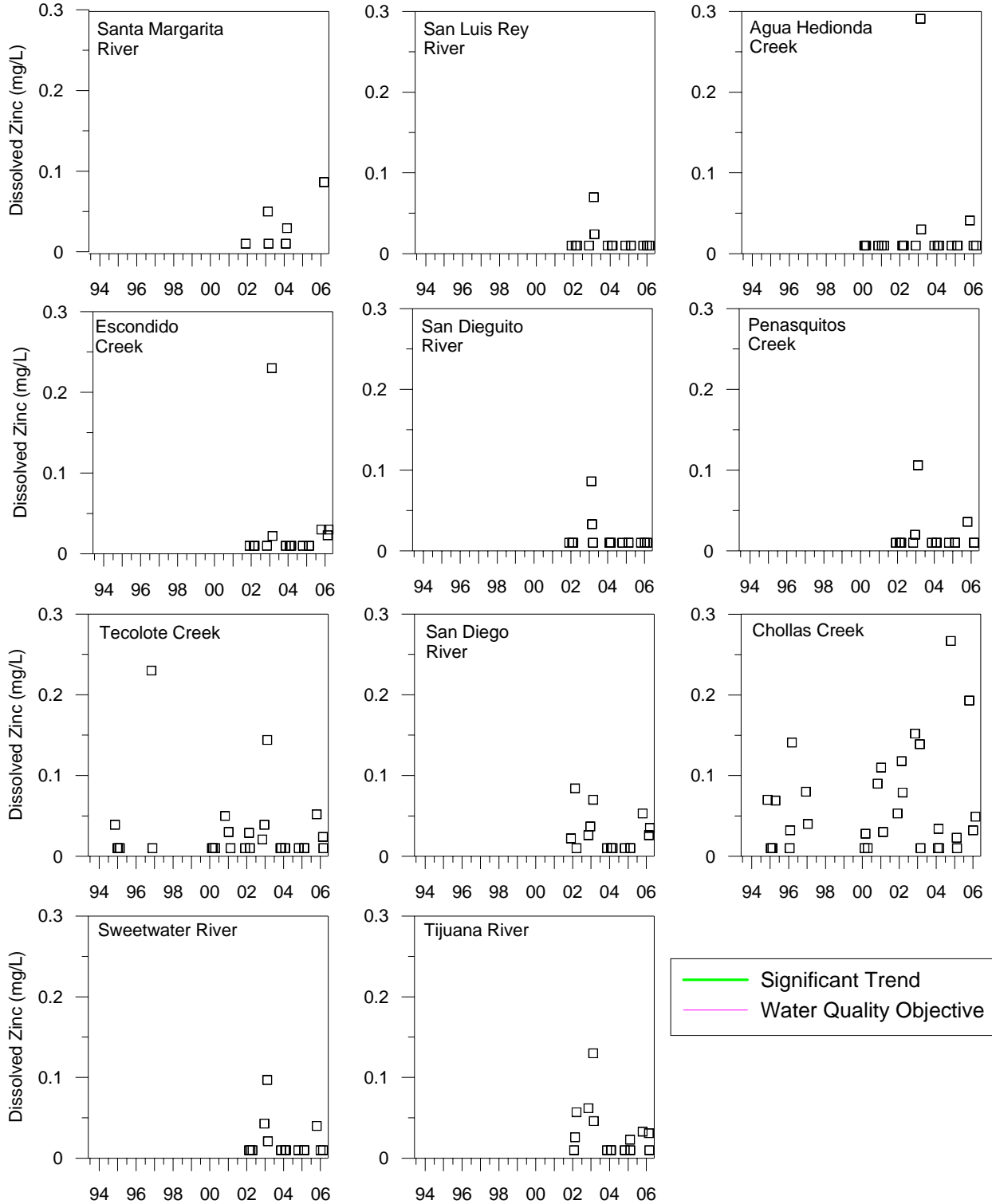
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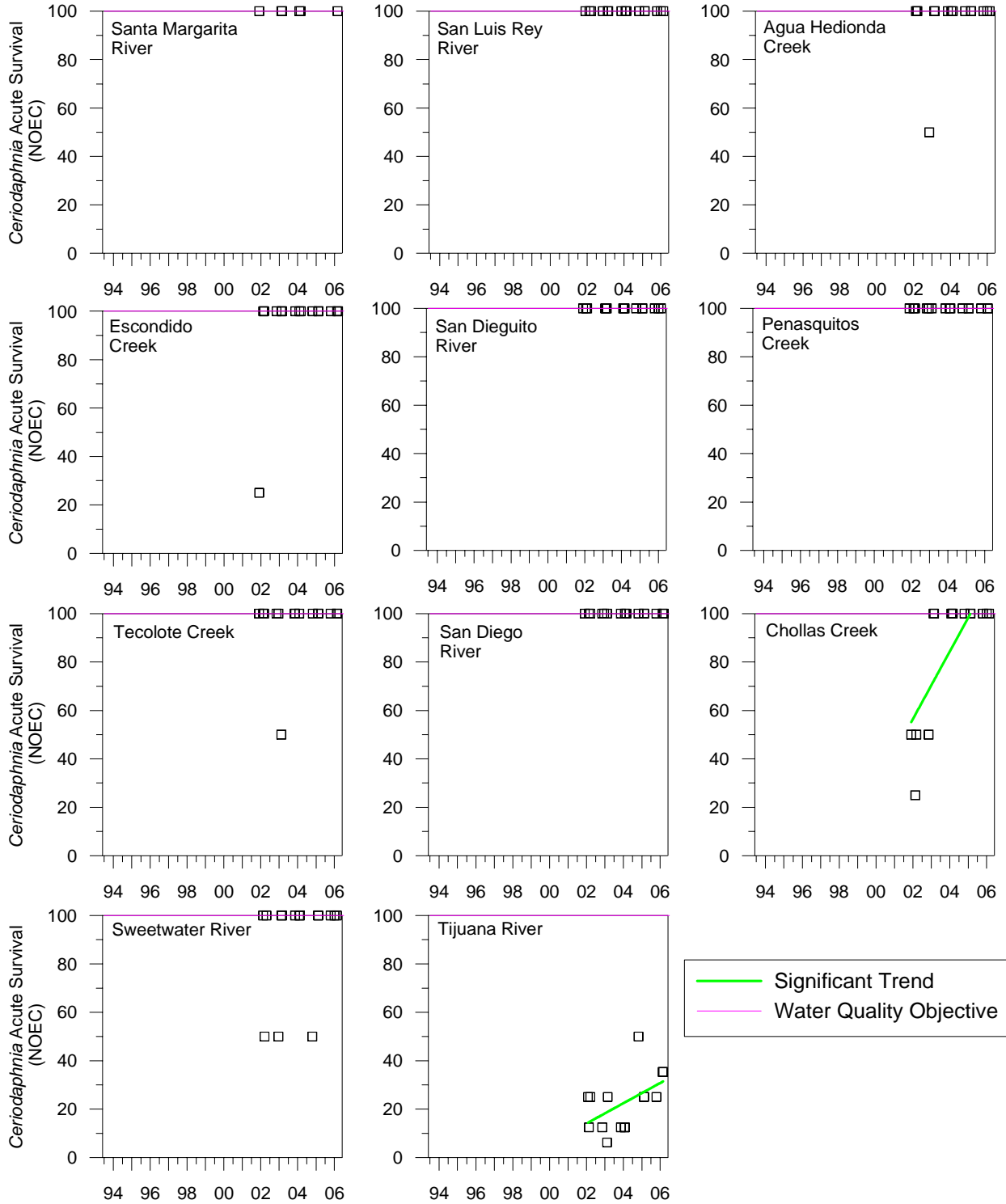


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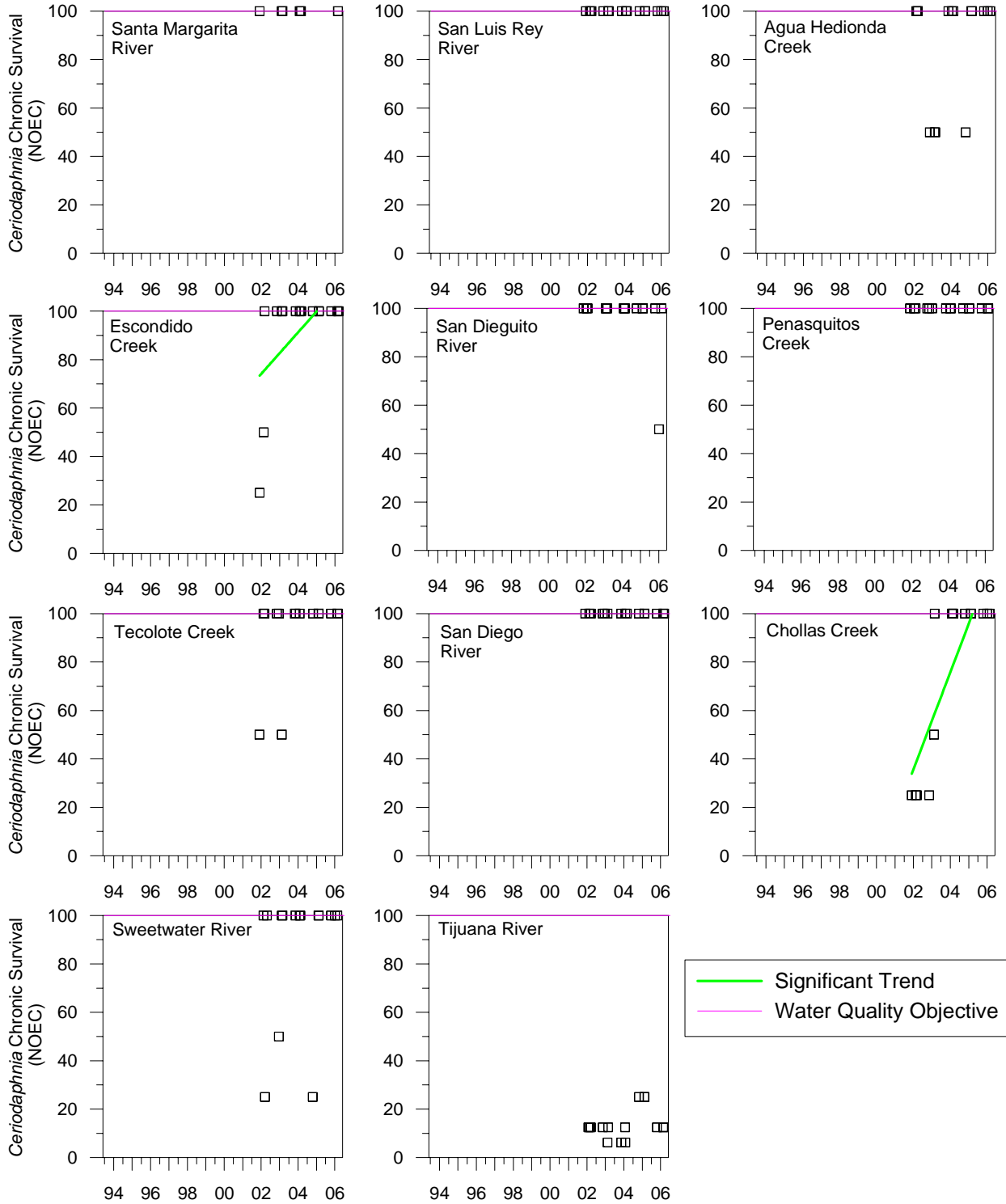


# **TOXICITY**

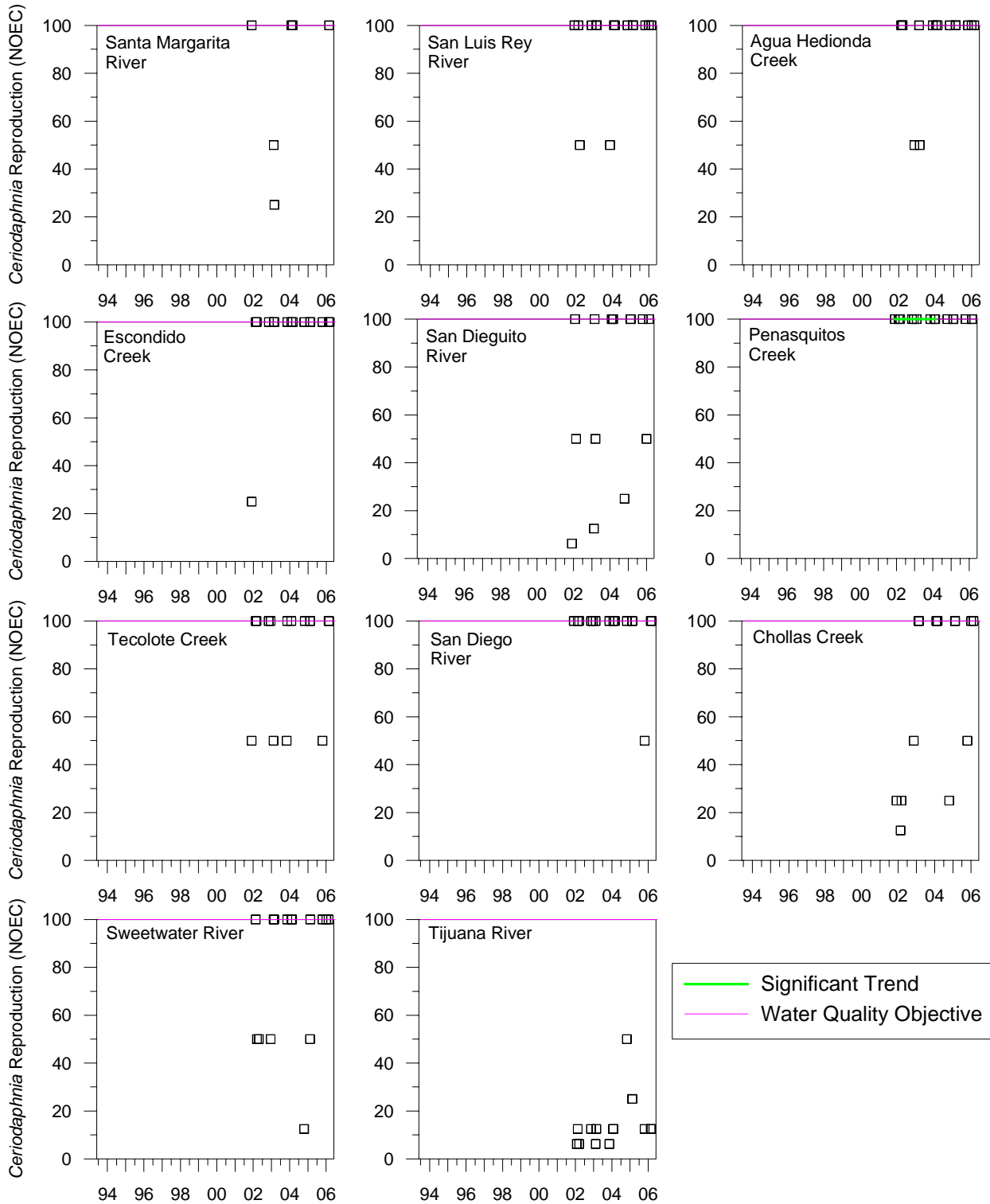
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