

Supplementary Table 1. Statistical summary for the trend analysis (June-September; 2014-2023) using the Generalized Linear Model for each region of interest, including p-values, T-statistics, and R² values (N = 40).

Region of Interest	P-value	T-statistic	R²
Northern pelagic	0.000369	3.909	0.268
Middle pelagic north	0.00307	3.163	0.188
SR-520 bridge	0.277	1.103	0.005
I-90 bridge	0.0327	2.216	0.091
Southwest pelagic	0.0317	2.230	0.092
Middle pelagic middle	0.0170	2.496	0.118
Ship Canal	0.000124	-4.276	0.029
I-90 overpass	0.000755	-3.664	0.307
Middle pelagic south	0.0496	2.028	0.242
Southeast pelagic	0.000272	4.012	0.074
SR-520 high rises	0.552	-0.601	0.279
I-90 tower/nearshore	0.323	-1.001	-0.017
Boeing-Renton	0.00484	-2.993	7.564E-05
Sammamish Slough	0.202	-1.299	0.169
Gene Coulon Park	0.000668	-3.706	0.017
Nearshore south-southwest	0.0423	2.102	0.246
Nearshore east	0.914	-0.109	0.081
Nearshore south-central west	0.417	0.821	-0.026
Nearshore central west	0.0184	-2.463	-0.008
Nearshore north-central west	0.00336	-3.129	0.115
Nearshore northwest	5.137E-09	7.506	0.184
Nearshore north	0.000715	-3.683	0.587
Nearshore northeast	0.0700	1.864	0.244

Nearshore north- central east	0.0225	-2.378	0.060
Nearshore Kirkland	0.0000361	-4.678	0.107
Nearshore central	0.623	0.496	0.349
Nearshore central southeast	0.123	-1.577	-0.020
Nearshore northeast of Mercer Island	0.0367	-2.166	0.037
Nearshore Mercer Island northeast	0.0139	2.578	0.086
Nearshore Mercer Island north	0.149	1.472	0.126