

Appendix H -

TSS vs. beam attenuation regression results for all dates and stations.

Note: no data were available for the San Diego River in 2005.

Location	Date	N	Slope	Intercept	R ²	P-value	Min Salinity	Max Salinity	
Santa Clara River ¹	2004	15	3.220	-1.366	0.978	<0.0001	32.569	33.227	
Santa Clara River	24-Mar-05	14	3.921	-8.069	0.684	<0.0001	31.654	33.248	
Santa Clara River	25-Mar-05	14	3.113	0.786	0.427	0.011	32.175	33.194	
Santa Clara River	26-Mar-05	14	2.190	3.847	0.396	0.016	31.416	33.143	
Santa Clara River	all 2005	42	2.920	0.368	0.534	<0.0001	31.416	33.248	
Ballona Creek	27-Feb-04	7	1.526	3.056	0.771	0.009	29.684	33.045	
Ballona Creek	28-Feb-04	21	2.785	-0.349	0.926	<0.0001	28.265	33.033	
Ballona Creek	1-Mar-04	21	0.602	3.998	0.007	0.716	30.903	33.089	
Ballona Creek	all 2004	49	2.007	1.705	0.343	<0.0001	28.265	33.089	
Ballona Creek	23-Mar-05	10	1.013	2.306	0.849	<0.0001	27.636	32.841	
Ballona Creek	24-Mar-05	21	0.874	1.306	0.037	0.401	31.665	32.952	
Ballona Creek	26-Mar-05	21	-0.272	2.886	0.001	0.912	32.430	33.037	
Ballona Creek	all 2005	52	1.007	1.433	0.126	0.010	27.636	33.037	
LA/San Gabriel Rivers	27-Feb-04	31	1.865	0.543	0.825	<0.0001	27.041	33.113	
LA/San Gabriel Rivers	28-Feb-04	36	1.212	2.070	0.964	<0.0001	26.963	33.189	
LA/San Gabriel Rivers	1-Mar-04	38	0.867	2.341	0.669	<0.0001	26.828	33.137	
LA/San Gabriel Rivers	all 2004	105	1.576	1.274	0.780	<0.0001	26.828	33.189	
LA/San Gabriel Rivers	23-Mar-05	22	0.870	3.704	0.480	<0.0001	30.928	33.239	
LA/San Gabriel Rivers	25-Mar-05	37	0.613	3.210	0.173	0.011	31.816	33.124	
LA/San Gabriel Rivers	all 2005	59	0.896	3.064	0.354	<0.0001	30.928	33.239	
Santa Ana River	27-Feb-04		only 2 data points					31.835	32.283
Santa Ana River	28-Feb-04	20	1.530	1.045	0.867	<0.0001	32.235	33.060	
Santa Ana River	1-Mar-04	21	0.720	4.998	0.100	0.664	32.197	33.102	
Santa Ana River	all 2004	43	0.876	3.908	0.067	0.094	31.835	33.102	
Santa Ana River	23-Mar-05	14	0.643	4.623	0.180	0.131	28.513	32.816	
Santa Ana River	24-Mar-05	16	0.652	3.420	0.275	0.037	29.427	33.186	
Santa Ana River	25-Mar-05	24	0.381	2.804	0.140	0.072	31.063	33.154	
Santa Ana River	all 2005	54	0.787	2.680	0.337	<0.0001	28.513	33.186	
Newport Harbor	28-Feb-04	12	1.115	2.265	0.438	0.019	28.259	32.754	
Newport Harbor	1-Mar-04	12	2.492	-0.067	0.388	0.030	27.980	33.131	
Newport Harbor	2004	24	1.365	1.433	0.670	<0.0001	27.980	33.131	
Newport Harbor	23-Mar-05	9	0.822	3.187	0.335	0.102	27.626	32.662	
Newport Harbor	24-Mar-05	9	0.075	2.982	0.014	0.764	29.498	33.027	
Newport Harbor	25-Mar-05	9	0.721	1.884	0.240	0.181	32.353	32.833	
Newport Harbor	all 2005	27	1.005	1.474	0.440	<0.0001	27.626	33.027	

¹Santa Clara River watershed was only sampled on one date (29 February) in 2004

Location	Date	N	Slope	Intercept	R²	P-value	Min Salinity	Max Salinity
San Diego River	24-Feb-04	15	1.332	2.198	0.753	0.000	32.164	33.241
San Diego River	28-Feb-04	15	1.372	1.168	0.767	0.000	no data	
San Diego River	29-Feb-04	15	2.513	0.114	0.801	0.000	no data	
San Diego River	all 2004	45	1.627	1.352	0.657	0.000	32.164	33.241
Tijuana River	24-Feb-04	14	1.412	-0.432	0.870	0.000	31.795	33.400
Tijuana River	28-Feb-04	14	1.625	0.832	0.927	0.000	32.750	33.187
Tijuana River	29-Feb-04	14	0.988	1.895	0.962	0.000	32.360	33.221
Tijuana River	all 2004	42	1.213	1.258	0.872	0.000	31.795	33.400
Tijuana River	13-Feb-05	14	1.165	1.077	0.761	0.000	30.040	33.103
Tijuana River	14-Feb-05	14	0.980	1.873	0.698	0.000	31.510	33.111
Tijuana River	15-Feb-05	14	0.992	1.596	0.632	0.001	30.803	33.112
Tijuana River	all 2005	42	1.130	1.286	0.775	0.000	30.040	33.112
all watersheds	2004	323	1.893	0.818	0.635	0.000	26.828	33.227
all watersheds ²	2004	308	1.359	1.950	0.514	0.000	26.828	33.227
all watersheds	2005	276	1.502	1.476	0.388	0.000	27.626	33.248
all watersheds ²	2005	192	0.817	2.464	0.322	0.000	27.626	33.248
all watersheds	all dates	599	1.676	1.165	0.495	0.000	26.828	33.248
all watersheds ²	all dates	542	1.099	2.188	0.457	0.000	26.828	33.248

²Data from Santa Clara River not included.