

Table D1. Regression statistics for benthic metrics by location and station.

Agency	Location	Station	Benthic Metric	Intercept		Slope		R ²
				Estimate	p-value	Estimate	p-value	
AACO	Church Creek	AA06MSI000001	nephem	0.0000		0.0000		
			nept	0.2718	0.9846	0.0084	0.9814	0.0002
			nsrape	4.0181	0.5577	-0.0972	0.5760	0.1153
			ntaxa	-84.5302	0.3778	2.5141	0.3140	0.3268
			pclimb	-5.5942	0.9065	0.2479	0.8383	0.0162
			pephem	0.0000		0.0000		
			pintol_urb	33.1495	0.5577	-0.8021	0.5760	0.1153
		AA06MSI000002	nephem	0.0000		0.0000		
			nept	1.0000	0.0000	0.0000	0.1702	0.5388
			nsrape	8.0362	0.5577	-0.1945	0.5760	0.1153
			ntaxa	-47.9246	0.2858	1.6584	0.1764	0.5084
			pclimb	-37.4649	0.6211	1.1489	0.5554	0.1274
			pephem	0.0000		0.0000		
			pintol_urb	450.0449	0.2321	-10.9510	0.2485	0.4048
		AA06MSI000003	nephem	0.0000		0.0000		
			nept	5.0181	0.4716	-0.0972	0.5760	0.1153
			nsrape	20.6576	0.0141	-0.5057	0.0157	0.8914
			ntaxa	61.3041	0.0876	-1.1893	0.1526	0.5479
			pclimb	38.6059	0.7245	-0.6844	0.8049	0.0237
			pephem	0.0000		0.0000		
			pintol_urb	11.2104	0.9288	-0.0621	0.9845	0.0001
		AA07MSI000004	nephem	0.0000		0.0000		
			nept	1.0000	0.0000	0.0000	0.1702	0.5388
			nsrape	0.9498	0.8930	-0.0038	0.9830	0.0002
			ntaxa	28.9378	0.3975	-0.4059	0.6252	0.0893
			pclimb	45.9450	0.4273	-1.0074	0.4877	0.1719
			pephem	0.0000		0.0000		
			pintol_urb	82.1769	0.7729	-0.5242	0.9419	0.0021
	Picture Spring Branch	AA04MSI000005	nephem	0.0000		0.0000		
			nept	12.7113	0.3354	-0.2013	0.5274	0.1449
			nsrape	12.6938	0.4912	-0.2976	0.5230	0.1477
			ntaxa	18.5830	0.7247	-0.0097	0.9941	0.0000
			pclimb	113.9835	0.3830	-2.3488	0.4693	0.1854
			pephem	0.0000		0.0000		
			pintol_urb	160.5069	0.3652	-2.3717	0.5800	0.1131
		AA04MSI000006	nephem	0.0000		0.0000		
			nept	-19.0970	0.1230	0.6030	0.0773	0.6999
			nsrape	-1.7111	0.9421	0.0792	0.8950	0.0068
			ntaxa	113.4087	0.1367	-2.3566	0.1974	0.4759
			pclimb	14.5939	0.5320	-0.2508	0.6667	0.0702
			pephem	0.0000		0.0000		
			pintol_urb	-122.6604	0.6666	4.1320	0.5731	0.1170
		AA04MSI000007	nephem	0.0000		0.0000		
			nept	-0.2706	0.9926	0.0832	0.9105	0.0050
			nsrape	34.7589	0.2887	-0.8132	0.3219	0.3182

Agency	Location	Station	Benthic Metric	Intercept		Slope		R ²
				Estimate	p-value	Estimate	p-value	
BACI	Moores Run		ntaxa	-1.1113	0.9893	0.6949	0.7449	0.0407
			pclimb	71.0186	0.1785	-1.6323	0.2119	0.4547
			pephem	0.0000		0.0000		
			pintol_urb	48.5923	0.4258	-1.1534	0.4539	0.1971
		BC16MSI24	ndipt	10.0272	0.2789	-0.1732	0.4933	0.1242
			nephem	5.2011	0.1565	-0.1447	0.1667	0.4159
			nept	0.2932	0.9555	0.0012	0.9939	0.0000
			nint	0.0000		0.0000		
			nsrape	-5.8436	0.2043	0.1775	0.1841	0.3913
			ntaxa	-0.3602	0.9802	0.2067	0.6250	0.0653
			pchiron	-292.6721	0.2248	10.0772	0.1605	0.4253
			pclimb	-32.4886	0.8396	1.1487	0.8033	0.0174
			pcling	-251.9561	0.0852	7.8061	0.0699	0.6014
			pcoll	372.6628	0.1919	-8.8133	0.2661	0.3825
			pephem	10.8183	0.1565	-0.3009	0.1667	0.4159
			pintol_urb	0.0000		0.0000		
			ptol	37.3065	0.9384	0.8674	0.9508	0.0015
			totind	6,635.9042	0.1452	-180.5431	0.1620	0.4229
		BC16MSI25	ndipt	19.2448	0.1678	-0.3615	0.3327	0.2326
			nephem	0.0000		0.0000		
			nept	3.3613	0.3984	-0.0918	0.4196	0.1680
			nint	-2.9116	0.4622	0.0885	0.4384	0.1560
			nsrape	-5.3615	0.2417	0.1732	0.1971	0.3739
			ntaxa	46.2095	0.2209	-1.0310	0.3230	0.2408
			pchiron	119.0666	0.7047	-1.9750	0.8255	0.0137
			pclimb	-391.0555	0.0212	12.0036	0.0171	0.7945
			pcling	18.9084	0.9249	0.0394	0.9945	0.0000
			pcoll	439.6121	0.2752	-11.5419	0.3162	0.3244
			pephem	0.0000		0.0000		
			pintol_urb	0.2807	0.8976	-0.0041	0.9479	0.0012
			ptol	-9.0556	0.9822	2.2926	0.8465	0.0146
			totind	-35954.9402	0.4440	1,102.7660	0.4160	0.1704
		BACI02IMR02	ndipt	42.0815	0.2628	-1.0369	0.3263	0.2380
			nephem	5.1819	0.1543	-0.1441	0.1644	0.4193
			nept	10.9348	0.1327	-0.2951	0.1513	0.4395
			nint	5.1819	0.1543	-0.1441	0.1644	0.4193
			nsrape	0.0000		0.0000		
			ntaxa	74.9928	0.1307	-1.8917	0.1708	0.4100
			pchiron	-491.9853	0.0787	16.0407	0.0560	0.6399
			pclimb	0.3433	0.9844	0.0188	0.9703	0.0004
			pcling	-119.4911	0.3841	3.9218	0.3267	0.2376
			pcoll	63.2340	0.7535	0.5940	0.9186	0.0041
			pephem	7.6173	0.1543	-0.2119	0.1644	0.4193
			pintol_urb	42.1688	0.5123	-1.0968	0.5506	0.0958
			ptol	80.1520	0.8955	-0.8172	0.9633	0.0008
			totind	160201.0707	0.1404	-4,444.8721	0.1507	0.4403

Agency	Location	Station	Benthic Metric	Intercept		Slope		R ²
				Estimate	p-value	Estimate	p-value	
		BACIO2IMR04	ndipt	60.8621	0.2181	-1.5529	0.2638	0.3854
			nephem	2.8843	0.5611	-0.0777	0.5866	0.1094
			nept	-3.5488	0.5490	0.1143	0.5077	0.1579
			nint	2.8843	0.5611	-0.0777	0.5866	0.1094
			nscrape	0.3080	0.9517	0.0142	0.9228	0.0037
			ntaxa	74.0153	0.2536	-1.8352	0.3133	0.3275
			pchiron	-155.1734	0.7358	5.9512	0.6570	0.0744
			pclimb	-44.5229	0.5348	1.4357	0.4923	0.1686
			pcling	3.1118	0.9850	0.4386	0.9272	0.0033
			pephem	1.6440	0.5611	-0.0443	0.5866	0.1094
			pintol_urb	1.6440	0.5611	-0.0443	0.5866	0.1094
			totind	33,526.5722	0.1910	-923.6520	0.2070	0.4617
CACO	Air Business Center	CR15MSI000001	nephem	-3.6535	0.4574	0.0853	0.4384	0.1560
			nept	-25.3069	0.0899	0.5913	0.0801	0.5762
			ntaxa	57.0634	0.2755	-0.8241	0.4599	0.1429
			pchiron	51.9687	0.8332	0.2390	0.9653	0.0005
			pcling	-20.2324	0.9334	1.3119	0.8088	0.0164
			pintol_urb	-24.6835	0.8871	0.8343	0.8300	0.0130
		CR15MSI000002	nephem	43.2069	0.1069	-0.8869	0.1293	0.4760
			nept	-30.0641	0.2776	0.7646	0.2258	0.3385
			ntaxa	19.0893	0.6942	0.1283	0.9048	0.0040
			pchiron	-47.3126	0.8170	2.0284	0.6598	0.0533
			pcling	388.0692	0.1496	-7.3613	0.2048	0.3640
			pintol_urb	-159.9278	0.1961	3.9035	0.1654	0.4179
FRCO	Peter Pan Run	FR99MSI000042	ntaxa	25.8309	0.0665	0.0302	0.9290	0.0006
		FR99MSI000043	ntaxa	29.2924	0.0519	-0.1656	0.6464	0.0155
		FR99MSI000044	ntaxa	8.8686	0.5416	0.4646	0.2216	0.1046
		FR99MSI000045	ntaxa	18.3717	0.2573	0.2855	0.4856	0.0354
PGCO	Bear Branch	PG15MSI000001	nephem	-7.4656	0.0067	0.1915	0.0041	0.6177
			nept	-4.5934	0.3626	0.1923	0.1226	0.2439
			ntaxa	-4.3373	0.8750	0.7835	0.2461	0.1460
			pchiron	113.6396	0.0813	-1.1602	0.4172	0.0744
			pclimb	29.0415	0.4211	-0.4490	0.5938	0.0329
			pcling	15.8540	0.7101	0.0723	0.9424	0.0006
			pephem	-20.0501	0.0790	0.5156	0.0590	0.3416
			pintol_urb	-7.0177	0.4139	0.2272	0.2694	0.1334
			totind	92.3043	0.0013	0.4375	0.3775	0.0874
			totscape	-10.7042	0.0318	0.3067	0.0130	0.5139

Table D2. Regression statistics for habitat metrics by location and station.

Agency	Location	Station	Habitat Metric	Intercept		Slope		R ²
				Estimate	p-value	Estimate	p-value	
AACO	Church Creek	AA06MSI000001	EMBED_P	228.7824	0.1227	-3.4765	0.2469	0.4069
		AA06MSI000002	EMBED_P	-109.4668	0.6903	3.9667	0.5320	0.1419
		AA06MSI000003	EMBED_P	126.3387	0.2626	-1.9744	0.4115	0.2318
		AA07MSI000004	EMBED_P	221.4021	0.0793	-2.9705	0.2183	0.4456
	Picture Spring Branch	AA04MSI000005	EMBED_P	-68.7467	0.5645	3.4759	0.2443	0.4103
		AA04MSI000007	EMBED_P	179.7162	0.0380	-1.9831	0.1812	0.5008
CACO	Air Business Center	CR15MSI000001	EMBED_P	-1.7736	0.9620	1.6412	0.0833	0.2291
			EPIFAUN	0.1170	0.9866	0.1652	0.3351	0.0716
			HABITAT	14.9451	0.4342	-0.1663	0.6939	0.0429
			HABITAT_DESCRIP	3.0000	0.0000	0.0000	0.1692	0.4597
			INSTRHAB	-4.8957	0.5954	0.2895	0.1889	0.2323
			POOLQUAL	-13.1166	0.2886	0.4772	0.1064	0.3753
			QUALI_DESCRIP	4.0000	0.0000	0.0000	0.1692	0.5252
			RIFFQUAL	0.0978	0.9920	0.1789	0.4274	0.0920
			SHAD_P	121.9400	0.0512	-1.9937	0.1330	0.2921
			VEL_DPTH	-10.8728	0.0617	0.4540	0.0036	0.4913
		CR15MSI000002	EMBED_P	92.5274	0.0381	-0.9254	0.3555	0.0660
			EPIFAUN	-1.0747	0.8373	0.2748	0.0446	0.2754
			HABITAT	11.1034	0.3093	0.0053	0.9819	0.0001
			HABITAT_DESCRIP	2.0000	0.0000	0.0000	0.1688	0.5254
			INSTRHAB	-19.7713	0.0806	0.6992	0.0152	0.5930
			POOLQUAL	-7.2994	0.3972	0.3942	0.0681	0.3988
			QUALI_DESCRIP	2.0554	0.7628	0.0330	0.8314	0.0127
			RIFFQUAL	-5.1767	0.5593	0.3537	0.1062	0.3292
			SHAD_P	51.5948	0.3823	0.0142	0.9913	0.0000
			VEL_DPTH	-7.0054	0.0897	0.4136	0.0006	0.6083
CHCO	Acton/Hamilton	CC14MSI000023	BANKS	20.9312	0.0003	-0.1260	0.2095	0.1525
			EMBED_P	116.7443	0.0509	-1.4622	0.2730	0.1315
			EPIFAUN	12.3499	0.0185	0.0355	0.7419	0.0113
			INSTRHAB	23.0331	0.0178	-0.2321	0.2592	0.1252
			MDEPTH	34.6283	0.8174	1.1613	0.7458	0.0110
			QUALI_DESCRIP	3.9894	0.0921	-0.0085	0.8709	0.0031
			REMOTE	-7.6476	0.3318	0.3106	0.1130	0.2318
			SHAD_P	88.9741	0.0000	-0.0353	0.9080	0.0014
			WOOD	-23.7315	0.0003	0.7672	0.0000	0.8410
FRCO	Peter Pan Run	FR99MSI000042	EMBED_P	55.5329	0.0738	-0.2398	0.7530	0.0068
			EPIFAUN	9.4712	0.0351	0.0343	0.7503	0.0070
			HABITAT	55.1000	0.0091	0.1948	0.6764	0.0138
			HABITAT_DESCRIP	4.4505	0.0069	-0.0455	0.2190	0.1137
			INSTRHAB	10.7558	0.0046	0.0130	0.8783	0.0016
			POOLVAR	12.1126	0.0006	-0.1024	0.1577	0.1474
			QUALI_DESCRIP	1.4907	0.2237	0.0326	0.3070	0.0651
			RIFFQUAL	-3.8853	0.4055	0.3682	0.0064	0.4468
			SHAD_P	70.1193	0.0243	-0.1179	0.8724	0.0018
			VEL_DPTH	12.4002	0.0000	-0.0962	0.0673	0.2347
		FR99MSI000043	EMBED_P	27.1067	0.4274	0.6499	0.4654	0.0338
			EPIFAUN	17.0708	0.0063	-0.1902	0.1988	0.1010
			HABITAT	59.4096	0.0002	-0.0396	0.8991	0.0012
			HABITAT_DESCRIP	1.9865	0.0504	0.0278	0.2625	0.0887
			INSTRHAB	6.3320	0.0681	0.0686	0.4272	0.0398
			POOLVAR	-0.7865	0.7892	0.1944	0.0190	0.3343
			QUALI_DESCRIP	2.9360	0.0089	0.0109	0.6735	0.0122

Agency	Location	Station	Habitat Metric	Intercept		Slope		R ²
				Estimate	p-value	Estimate	p-value	
			RIFFQUAL	10.0179	0.0360	-0.0356	0.7502	0.0075
			SHAD_P	112.9631	0.0000	-0.6507	0.0075	0.3693
			VEL_DPTH	4.3314	0.0216	0.0731	0.1080	0.1739
		FR99MSI000044	EMBED_P	39.7022	0.0665	0.2054	0.7014	0.0094
			EPIFAUN	12.2342	0.0046	-0.0028	0.9777	0.0001
			HABITAT	80.9224	0.0000	-0.2092	0.5154	0.0308
			HABITAT_DESCRIP	1.3141	0.1915	0.0161	0.5227	0.0298
			INSTRHAB	7.0176	0.1088	0.1405	0.2095	0.0965
			POOLVAR	-2.8542	0.4397	0.4039	0.0006	0.5837
			QUALI_DESCRIP	2.6016	0.0343	0.0061	0.8379	0.0027
			RIFFQUAL	4.5367	0.2408	0.2165	0.0373	0.2744
			SHAD_P	91.4563	0.0005	-0.7247	0.2047	0.0985
			VEL_DPTH	6.9740	0.1244	0.1589	0.1647	0.1331
		FR99MSI000045	EMBED_P	62.6898	0.0075	-0.4132	0.4514	0.0359
			EPIFAUN	15.7923	0.0006	-0.1390	0.1694	0.1146
			HABITAT	60.7468	0.0027	0.1646	0.7062	0.0105
			HABITAT_DESCRIP	3.5039	0.0213	-0.0275	0.4402	0.0431
			INSTRHAB	6.5043	0.1633	0.1233	0.3024	0.0663
			POOLVAR	5.9835	0.1228	0.1443	0.1413	0.1479
			QUALI_DESCRIP	2.6361	0.0178	0.0029	0.9087	0.0010
			RIFFQUAL	1.2724	0.7486	0.2632	0.0186	0.3360
			SHAD_P	37.8544	0.0877	0.6422	0.2526	0.0809
			VEL_DPTH	7.4113	0.1387	0.1269	0.3076	0.0741
HACO	Wheel Creek	HA09MSI004006	EMBED_P	124.8353	0.5609	-2.1417	0.6702	0.0393
			EPIFAUN	34.3535	0.2388	-0.4983	0.4490	0.1188
			HABITAT	20.6837	0.5169	-0.1851	0.8023	0.0137
		HA09MSI004007	EMBED_P	-1.1969	0.9931	0.8899	0.7854	0.0162
			EPIFAUN	9.5687	0.6999	0.0710	0.9029	0.0033
			HABITAT	10.6761	0.5724	0.0347	0.9371	0.0014
		HA09MSI004008	EMBED_P	21.5224	0.9131	0.6364	0.8914	0.0041
			EPIFAUN	5.0776	0.8243	0.1063	0.8440	0.0085
			HABITAT	37.6161	0.0927	-0.6397	0.1956	0.3085
		HA09MSI004009	EMBED_P	38.9005	0.8643	0.0261	0.9961	0.0000
			EPIFAUN	-4.2228	0.8841	0.2784	0.6883	0.0445
			HABITAT	-23.5994	0.2420	0.6949	0.1637	0.4205
		HA09MSI004010	EMBED_P	1.6386	0.9893	0.8735	0.7624	0.0200
			EPIFAUN	-1.0082	0.9635	0.3178	0.5492	0.0761
			HABITAT	-2.5608	0.9113	0.3511	0.5268	0.0846
		HA09MSI004011	EMBED_P	62.2297	0.6302	-0.7285	0.8097	0.0127
			EPIFAUN	27.7685	0.2364	-0.3561	0.4982	0.0963
			HABITAT	26.6448	0.2884	-0.3193	0.5732	0.0677
		HA09MSI004012	EMBED_P	-94.1988	0.4479	2.9882	0.3193	0.1964
			EPIFAUN	19.8840	0.4767	-0.2878	0.6574	0.0425
			HABITAT	29.8147	0.2224	-0.4991	0.3690	0.1631
		HA09MSI004013	EMBED_P	-17.6749	0.8995	1.0431	0.7535	0.0215
			EPIFAUN	21.8233	0.2723	-0.1749	0.6930	0.0338
			HABITAT	16.0219	0.3769	-0.0343	0.9334	0.0015
HOCO	Red Hill Branch	HO10MSI000004	EMBED_P	15.6948	0.8806	1.1503	0.6373	0.0479
			EPIFAUN	-10.1411	0.5390	0.3865	0.3265	0.1912
			HABITAT_DESCRIP	9.4870	0.0169	-0.1071	0.1460	0.3718
			HABITAT_SC	31.2885	0.0760	0.6409	0.1048	0.4391
			QUALI_DESCRIP	10.8648	0.0385	-0.1456	0.1667	0.3435
		HO10MSI000005	EMBED_P	324.2886	0.0032	-6.3110	0.0067	0.7987
			EPIFAUN	4.9854	0.8377	0.0598	0.9152	0.0025

Agency	Location	Station	Habitat Metric	Intercept		Slope		R ²
				Estimate	p-value	Estimate	p-value	
			HABITAT_DESCRIP	8.9665	0.0947	-0.1050	0.3449	0.1786
			HABITAT_SC	-11.8677	0.7847	1.7151	0.1312	0.3941
			QUALI_DESCRIP	8.7987	0.0735	-0.1044	0.2986	0.2119
		HO10MSI000006	EMBED_P	162.7715	0.2380	-2.8561	0.3556	0.1715
			EPIFAUN	30.8555	0.2594	-0.4328	0.4749	0.1065
			HABITAT_DESCRIP	4.1679	0.2748	-0.0006	0.9944	0.0000
			HABITAT_SC	48.6469	0.3137	0.3650	0.7310	0.0258
			QUALI_DESCRIP	8.5524	0.1333	-0.1053	0.3838	0.1540
		HO10MSI000007	EMBED_P	72.1465	0.4549	-0.4693	0.8287	0.0103
			EPIFAUN	37.9585	0.0238	-0.6467	0.0643	0.5282
			HABITAT_DESCRIP	-0.4870	0.8637	0.1071	0.1460	0.3718
			HABITAT_SC	82.8177	0.1822	-0.4088	0.7542	0.0214
			QUALI_DESCRIP	9.4870	0.0169	-0.1071	0.1460	0.3718
MOCO	Breewood	MO10BSI000101	EMBED	5.7374	0.7402	-0.0174	0.9656	0.0007
			EPIFAUN	6.9238	0.9174	0.1248	0.9370	0.0025
			HABITAT_SC	5.7465	0.9712	1.8184	0.6364	0.0839
PGCO	Bear Branch	PG15MSI000001	BANKS	33.4213	0.0687	-0.6061	0.1462	0.2194
			BANKV	30.3482	0.0839	-0.4809	0.2238	0.1594
			CHALT	17.0340	0.0081	-0.0824	0.5048	0.0509
			CHFLOW	11.7652	0.2367	-0.0374	0.8679	0.0032
			CHSIN	-1.4439	0.8980	0.1931	0.4733	0.0586
			EPIFAUN	31.5688	0.0407	-0.4453	0.1867	0.1850
			POOLSUB	11.6163	0.4335	-0.0253	0.9412	0.0006
			POOLVAR	7.6862	0.3395	0.0697	0.7069	0.0165
			RIP_WID	9.8242	0.2497	0.1803	0.3629	0.0926
			SEDEP	21.8843	0.0944	-0.3732	0.2091	0.1690
		PG15MSI000002	BANKS	46.1684	0.0180	-0.8681	0.0437	0.4172
			BANKV	35.0981	0.0892	-0.5675	0.2166	0.1837
			CHALT	46.3405	0.0019	-0.7320	0.0151	0.5425
			CHFLOW	19.3383	0.0149	-0.2391	0.1400	0.2512
			CHSIN	7.7628	0.3447	-0.0225	0.9037	0.0019
			EPIFAUN	42.4953	0.0022	-0.7216	0.0121	0.5659
			POOLSUB	21.6730	0.2469	-0.2283	0.5878	0.0383
			POOLVAR	9.4652	0.4184	-0.0015	0.9954	0.0000
			RIP_WID	16.8365	0.2576	0.0295	0.9292	0.0010
			SEDEP	23.2295	0.1643	-0.3697	0.3263	0.1202

Table D3. Regression statistics for benthic index by location and station.

Agency	Location	Station	Benthic Index	Intercept		Slope		R ²
				Estimate	p-value	Estimate	p-value	
AACO	Picture Spring Branch	AA04MSI000005	BIBI	5.6078	0.0112	-0.0621	0.1824	0.1704
		AA04MSI000006	BIBI	3.0192	0.0253	-0.0016	0.9548	0.0003
		AA04MSI000007	BIBI	0.8453	0.7502	0.0452	0.4825	0.0505
	Church Creek	AA06MSI000001	BIBI	0.2318	0.9108	0.0342	0.4955	0.0476
		AA06MSI000002	BIBI	3.3614	0.0635	-0.0327	0.4172	0.0668
		AA06MSI000003	BIBI	4.5741	0.0254	-0.0631	0.1625	0.1853
		AA07MSI000004	BIBI	4.0870	0.0598	-0.0473	0.3299	0.0949
BACI	Moores Run	BACI02IMR02	BIBI	7.0915	0.0182	-0.1668	0.0341	0.7142
		BACI02IMR04	BIBI	2.9095	0.2971	-0.0457	0.5434	0.1347
		BC16MSI24	BIBI	0.7057	0.2936	0.0179	0.3145	0.1672
		BC16MSI25	BIBI	2.0805	0.0294	-0.0201	0.3426	0.1503
CHCO	Acton/Hamilton	CC14MSI000023	BIBI	4.0403	0.0769	-0.0316	0.5341	0.0444
CACO	Air Business Center	CR15MSI000001	BIBI	6.4612	0.3307	-0.1032	0.4821	0.1303
		CR15MSI000002	BIBI	-0.0311	0.9967	0.0603	0.7253	0.0343
FRCO	Peter Pan Run	FR99MSI000042	BIBI	4.7120	0.0014	-0.0522	0.1083	0.1736
		FR99MSI000043	BIBI	2.7475	0.0007	-0.0193	0.2549	0.0915
		FR99MSI000044	BIBI	1.9048	0.1173	0.0109	0.7144	0.0099
		FR99MSI000045	BIBI	2.0567	0.1155	0.0139	0.6657	0.0137
HACO	Wheel Creek	HA09MSI004006	BIBI	8.5368	0.2006	-0.1512	0.3195	0.1963
		HA09MSI004007	BIBI	0.2514	0.9088	0.0357	0.5009	0.0951
		HA09MSI004008	BIBI	-1.6590	0.6773	0.0820	0.3978	0.1459
		HA09MSI004009	BIBI	5.8000	0.1440	-0.0982	0.2653	0.2951
		HA09MSI004010	BIBI	0.4024	0.9290	0.0355	0.7406	0.0239
		HA09MSI004011	BIBI	0.3497	0.9428	0.0356	0.7580	0.0207
		HA09MSI004012	BIBI	3.7192	0.0927	-0.0496	0.2945	0.2151
		HA09MSI004013	BIBI	5.8657	0.3306	-0.0824	0.5500	0.0758
HOCO	Red Hill Branch	HO10MSI000004	BIBI	-0.2654	0.8446	0.0480	0.1667	0.3435
		HO10MSI000005	BIBI	-0.3059	0.9365	0.0567	0.5317	0.0827
		HO10MSI000006	BIBI	-2.8249	0.5253	0.1182	0.2715	0.2339
		HO10MSI000007	BIBI	-4.1665	0.2653	0.1316	0.1471	0.3702
MOCO	Breewood	MO10BSI000101	BIBI	76.3705	0.2011	-1.4758	0.2745	0.3722

Table D4. Regression statistics for habitat index by location and station.

Agency	Location	Station	Habitat Index	Intercept		Slope		R ²
				Estimate	p-value	Estimate	p-value	
AACO	Picture Spring Branch	AA04MSI000005	PHI	124.8492	0.0002	-1.0980	0.0468	0.3708
		AA04MSI000006	PHI	106.1876	0.0002	-0.9043	0.0596	0.3403
		AA04MSI000007	PHI	118.3226	0.0032	-1.2481	0.1103	0.2585
	Church Creek	AA06MSI000001	PHI	89.4932	0.0338	-0.6261	0.4702	0.0768
		AA06MSI000002	PHI	74.5051	0.0004	-0.4547	0.1603	0.2605
		AA06MSI000003	PHI	89.4939	0.0027	-0.5784	0.2635	0.1743
		AA07MSI000004	PHI	83.2519	0.0011	-0.5423	0.1677	0.2909
CHCO	Acton/Hamilton	CC14MSI000023	PHI	61.6023	0.0000	0.3199	0.1176	0.2496
FRCO	Peter Pan Run	FR99MSI000042	PHI	55.9516	0.0092	0.1737	0.7122	0.0108
		FR99MSI000043	PHI	58.5465	0.0003	-0.0171	0.9562	0.0002
		FR99MSI000044	PHI	80.2877	0.0000	-0.1923	0.5432	0.0270
		FR99MSI000045	PHI	61.3573	0.0025	0.1480	0.7322	0.0086