

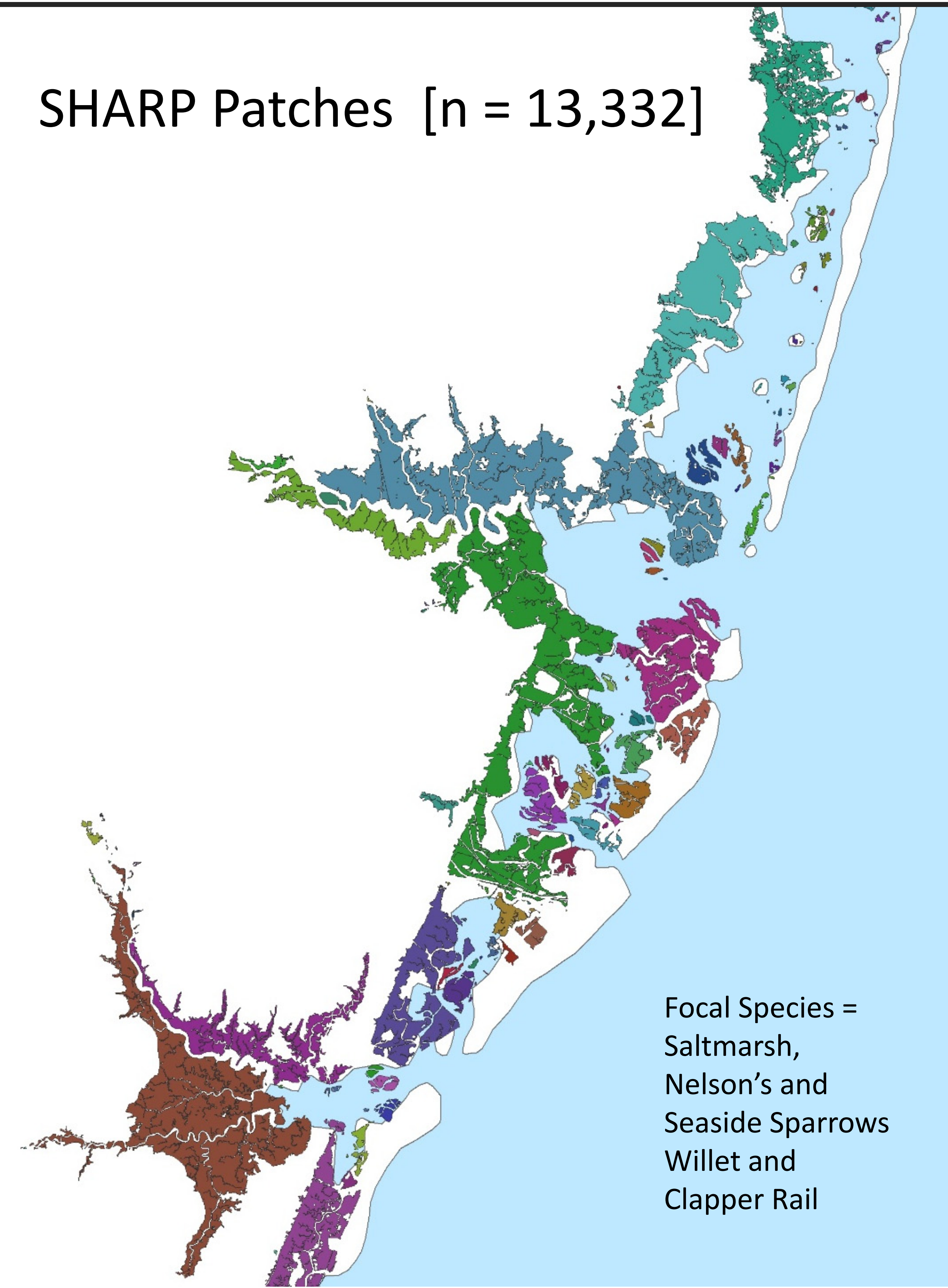
SHARP Patches and Northeast Marshbird Survey Points

Hurricane Sandy Tidal Marsh Resiliency Coordination Workshop

December 8-9, 2014

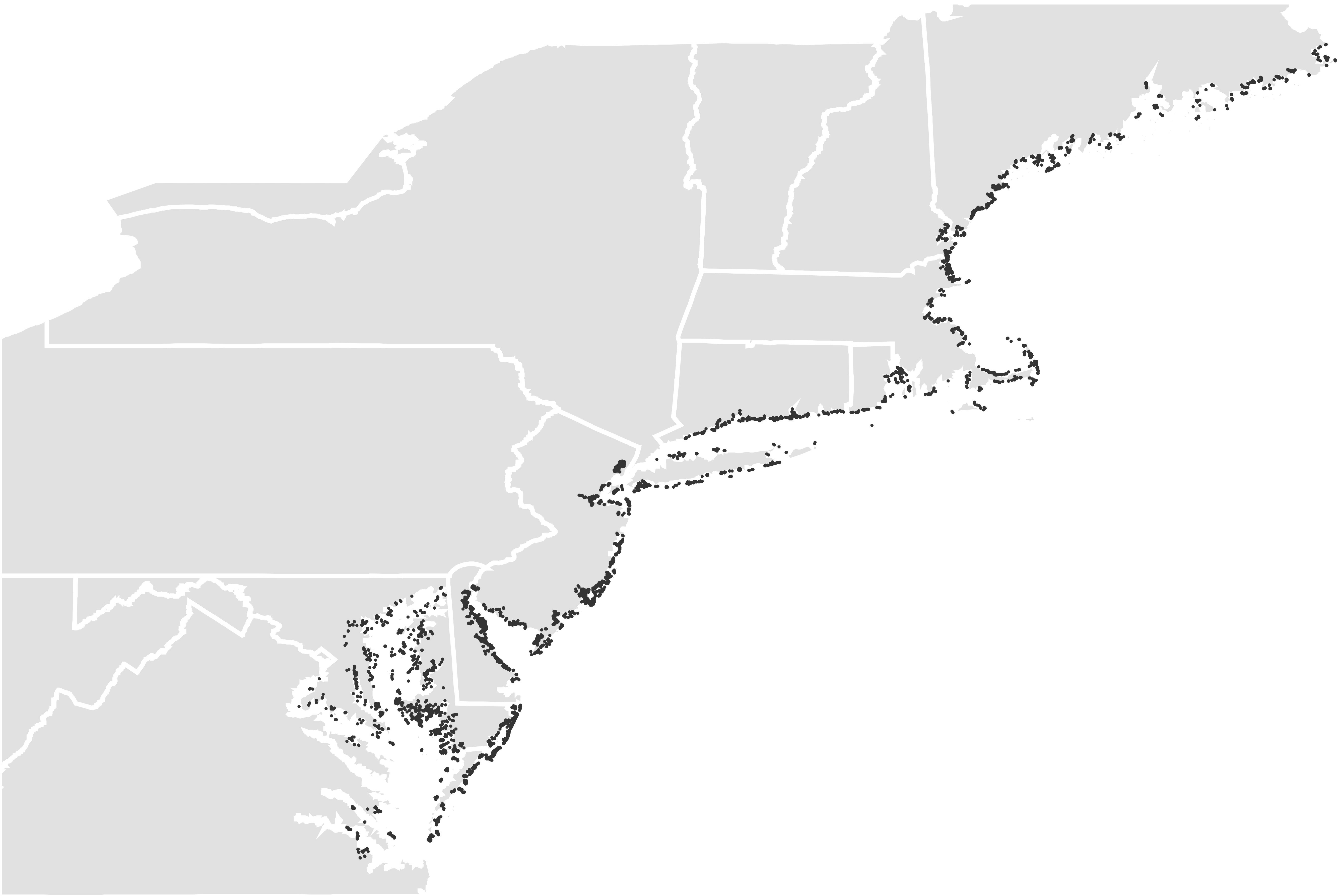
Hadley, Massachusetts

SHARP Patches [n = 13,332]



Focal Species =
Saltmarsh,
Nelson's and
Seaside Sparrows
Willet and
Clapper Rail

Northeast Marshbird Survey Points [n = 5,530]



Project	Number of Points
USFWS Historic	417
Other Historic	2,686
SHARP	1,797
SMI Pilot	194
SMI	973
Restoration	356
KIRA	125
NPS	64

*There is overlap between projects; will not sum to 5,530

Shape *	PatchID	STATE	REGION	area_ha	perim_m	X	Y	noaa_slt	noaa_gauge
Polygon	9108	NJ	5_Coastal_New_Jersey	0.255004	350.553125	-74.350406	39.577249	3.99	Atlantic City
Polygon	9109	NJ	5_Coastal_New_Jersey	63.9621	13360.735467	-74.277069	39.557	3.99	Atlantic City
Polygon	9110	NJ	5_Coastal_New_Jersey	20.683367	4327.668043	-74.251163	39.558129	3.99	Atlantic City
Polygon	9111	NJ	5_Coastal_New_Jersey	0.437949	308.979398	-74.332944	39.580496	3.99	Atlantic City
Polygon	9112	NJ	5_Coastal_New_Jersey	15.024468	2726.387649	-74.32807	39.578195	3.99	Atlantic City
Polygon	9113	NJ	5_Coastal_New_Jersey	0.490404	430.908059	-74.240037	39.567747	3.99	Atlantic City
Polygon	9114	NJ	5_Coastal_New_Jersey	1.43469	484.490538	-74.249444	39.570066	3.99	Atlantic City
Polygon	9115	NJ	5_Coastal_New_Jersey	0.715321	369.79345	-74.239225	39.569651	3.99	Atlantic City
Polygon	9116	NJ	5_Coastal_New_Jersey	5.920271	1044.316299	-74.245863	39.569541	3.99	Atlantic City
Polygon	9117	NJ	5_Coastal_New_Jersey	1.228467	455.15875	-74.251811	39.576196	3.99	Atlantic City
Polygon	9118	NJ	5_Coastal_New_Jersey	2.825202	1096.10832	-74.497471	39.619853	3.99	Atlantic City
Polygon	9119	NJ	5_Coastal_New_Jersey	0.198044	309.927095	-74.498968	39.624967	3.99	Atlantic City
Polygon	9120	NJ	5_Coastal_New_Jersey	1.996333	622.957691	-74.341491	39.598922	3.99	Atlantic City
Polygon	9121	NJ	5_Coastal_New_Jersey	5723.256868	406480.867404	-74.41338	39.564302	3.99	Atlantic City
Polygon	9122	NJ	5_Coastal_New_Jersey	5.264347	1420.235891	-74.255426	39.583555	3.99	Atlantic City
Polygon	9123	NJ	5_Coastal_New_Jersey	14.720427	1911.220838	-74.235411	39.58036	3.99	Atlantic City
Polygon	9124	NJ	6_Delaware_Bay	319.217472	31561.350246	-75.396655	39.765137	3.46	Reedy Point
Polygon	9125	NJ	6_Delaware_Bay	9.678912	1473.429313	-75.419754	39.787392	3.46	Reedy Point
Polygon	9126	NJ	5_Coastal_New_Jersey	13.448999	2195.81729	-74.23837	39.584553	3.99	Atlantic City
Polygon	9127	NJ	6_Delaware_Bay	1.324912	564.044998	-75.39046	39.797791	3.46	Reedy Point

Nat_150	Ag_150	Dev_150	OpenW_150	Nat_1000	Ag_1000	Dev_1000	OpenW_1000	Marsh_150	Marsh_1000	road_dens	geo1
0.330769	0	0.630769	0.038462	0.522431	0.067293	0.397235	0.013041	0	0.358633	58.614049	Back-barrier Lagoon Marsh
0.121356	0	0	0.878644	0.127589	0	0	0.872411	0.120167	0.126723	0	Back-barrier Lagoon Marsh
0.112444	0.004498	0.044978	0.838081	0.087581	0.00454	0.248975	0.658905	0.110945	0.035589	68.653766	Back-barrier Lagoon Marsh
0.166667	0	0.690476	0.142857	0.449724	0.002363	0.192701	0.355211	0.071429	0.393542	75.467275	Back-barrier Lagoon Marsh
0.141962	0	0.298539	0.559499	0.31834	0.000166	0.101743	0.579751	0.104384	0.290788	26.453788	Back-barrier Lagoon Marsh
0.043165	0	0.647482	0.309353	0.10822	0.002834	0.36537	0.523576	0.043165	0.037362	148.715832	Back-barrier Lagoon Marsh
0.04375	0	0	0.95625	0.044345	0	0.106129	0.849527	0.04375	0.043597	0.18732	Back-barrier Lagoon Marsh
0.043165	0	0.482014	0.47482	0.106913	0.001028	0.364174	0.527885	0.043165	0.035466	126.192179	Back-barrier Lagoon Marsh
0.070588	0	0.007843	0.921569	0.042169	0.002367	0.245697	0.709768	0.070588	0.039157	27.404135	Back-barrier Lagoon Marsh
0.032051	0	0	0.967949	0.042377	0	0	0.957623	0.032051	0.042377	0	Back-barrier Lagoon Marsh
0.323077	0.042308	0.203846	0.430769	0.784672	0.041005	0.068055	0.106269	0.161538	0.280378	47.537479	Tidal Fresh Marsh
0.682171	0	0.046512	0.271318	0.768238	0.018655	0.076903	0.138004	0.062016	0.29734	21.12937	Tidal Fresh Marsh
0.457831	0	0.542169	0	0.465901	0.024933	0.492545	0.016622	0.042169	0.165241	114.207571	Back-barrier Lagoon Marsh
0.510879	0.021583	0.088369	0.379168	0.501182	0.028388	0.102738	0.367692	0.179441	0.174797	27.496032	Back-barrier Lagoon Marsh
0.045603	0	0	0.954397	0.006617	0	0	0.993383	0.045603	0.006617	0	Back-barrier Lagoon Marsh
0.039164	0	0	0.960836	0.091561	0.002022	0.253539	0.652877	0.039164	0.038426	59.707473	Back-barrier Lagoon Marsh
0.365756	0.348434	0.117921	0.167888	0.336509	0.412789	0.196043	0.05466	0.150233	0.129657	11.231615	Tidal Fresh Marsh
0.333333	0.182099	0.006173	0.478395	0.349656	0.134317	0.031465	0.484562	0.299383	0.310914	0	Tidal Fresh Marsh
0.06846	0	0	0.93154	0.043132	0.002175	0.148242	0.806452	0.06846	0.036789	0	Back-barrier Lagoon Marsh
0.537572	0.317919	0.00578	0.138728	0.338843	0.245746	0.109869	0.305542	0.132948	0.086777	0	Tidal Fresh Marsh