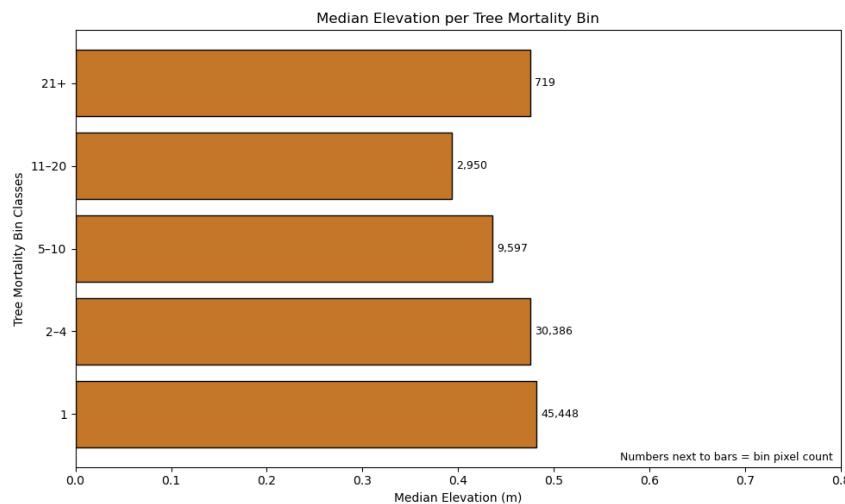
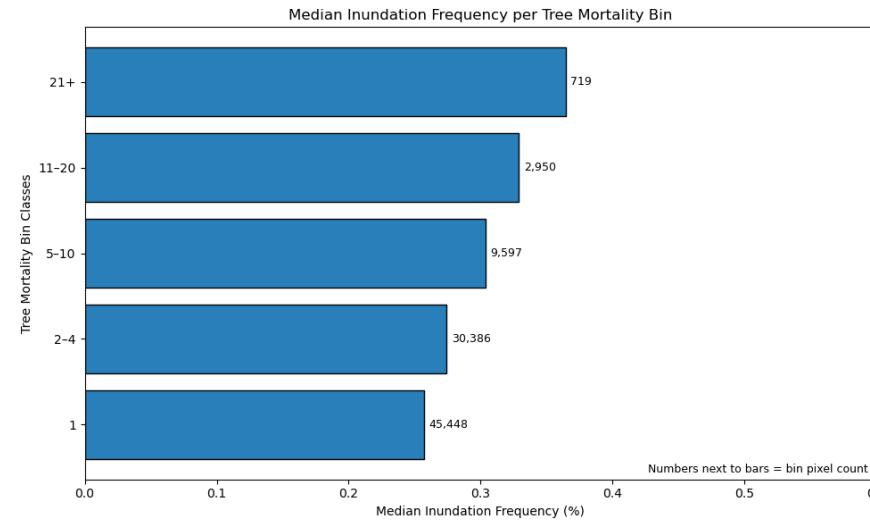
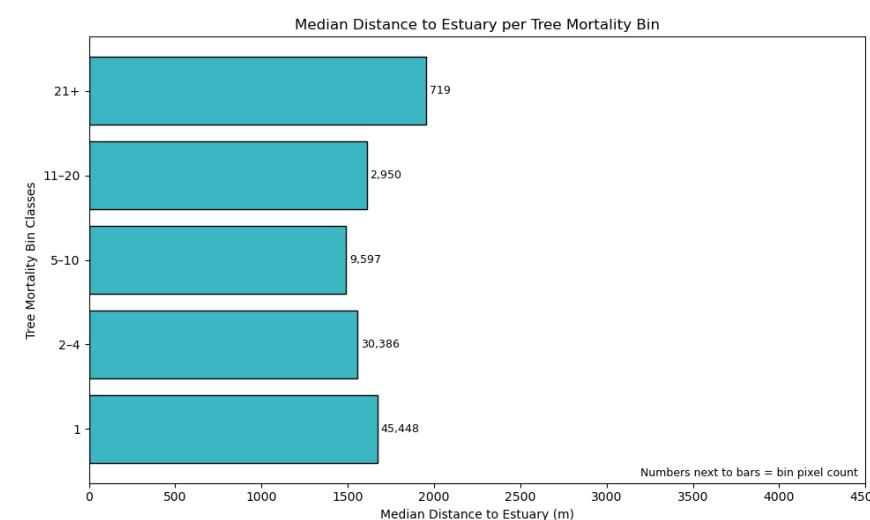
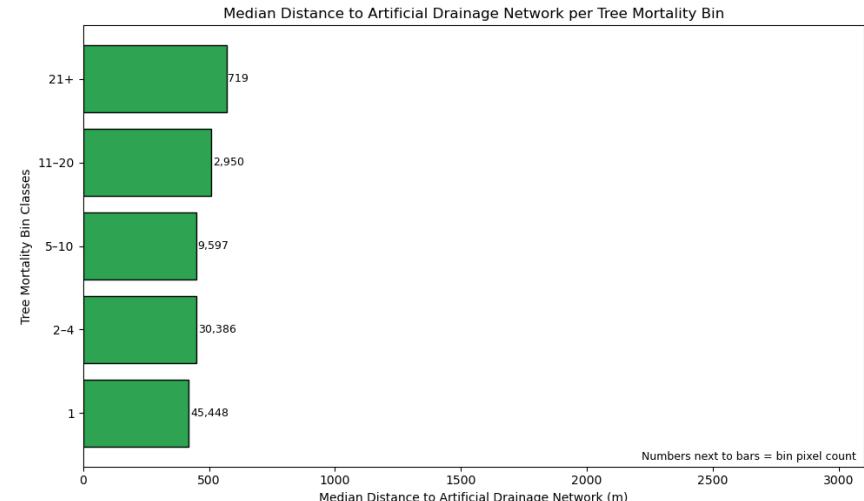


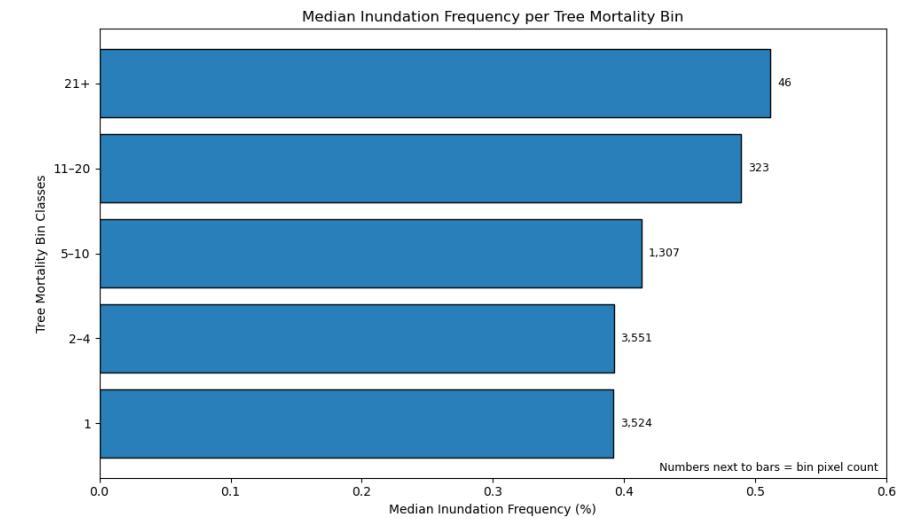
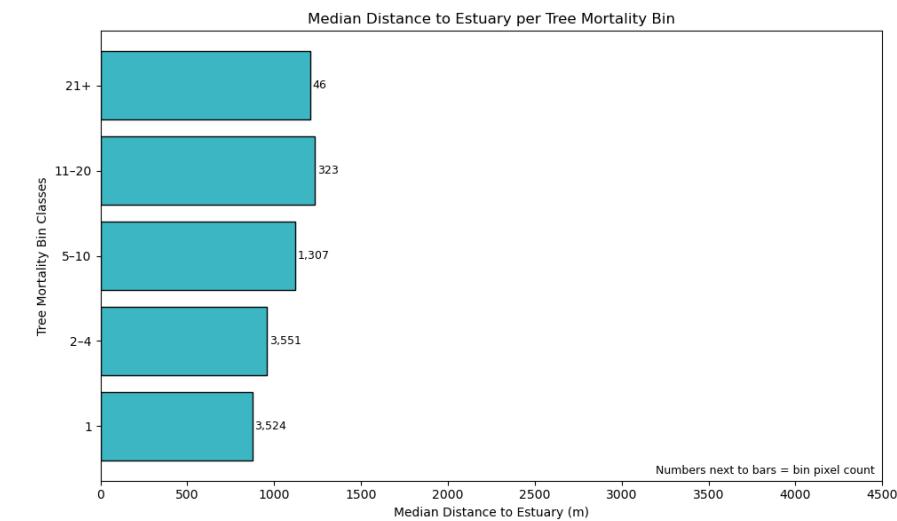
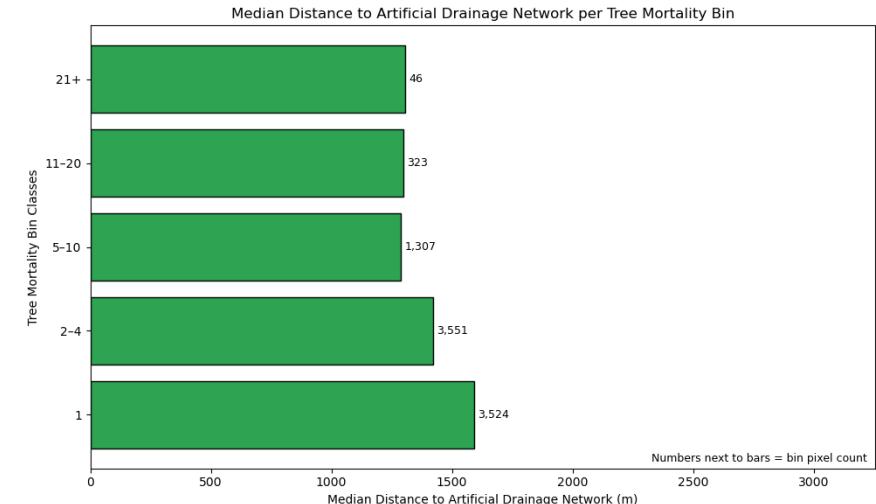
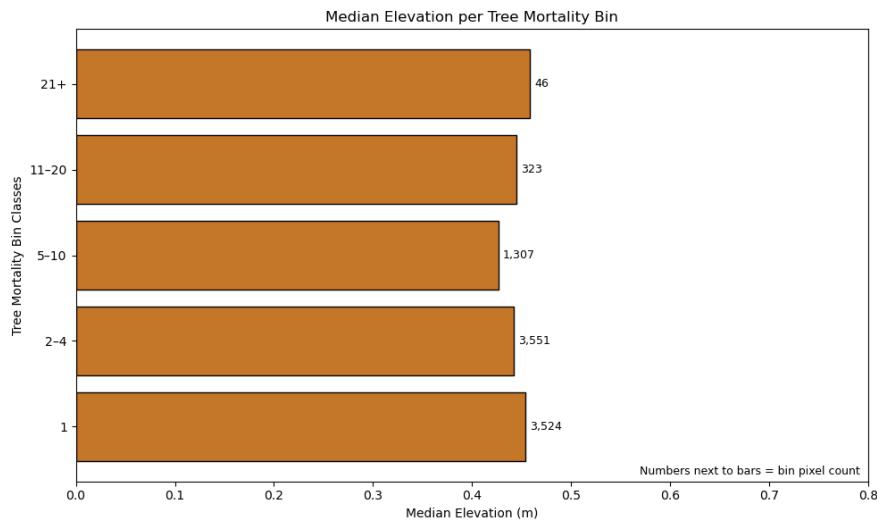
Alligator River National Wildlife Refuge



Variable	Median (Live)	Median (Dead)	p	r	Sample Size (Live)	Sample Size (Dead)
Inundation Frequency (%)	0.16	0.27	0	0.33	523918	89053
Elevation (m)	0.52	0.48	0	-0.15	506373	88020
Distance to Estuary (m)	1605	1612	< 0.001	0.01	526597	89524
Distance to Artificial Drainage (m)	408	437	< 0.001	-0.01	526597	89524
Land Cover Class	Pixel Count (Dead)	Total Dead Trees	Pixel Count (Live)	% Experiencing Mortality		
Deciduous Forest	0	0	0	0		
Scrub/Shrub	6	9	55	9.8		
Palustrine Forested Wetland	73390	198610	342589	17.6		
Palustrine Scrub/Shrub Wetland	10094	29982	91794	9.9		
Estuarine Scrub/Shrub Wetland	85	225	3233	2.6		

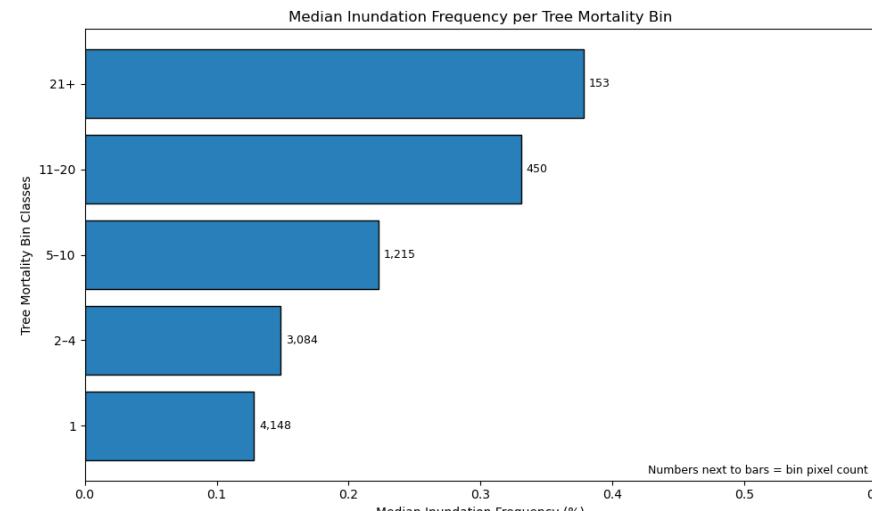
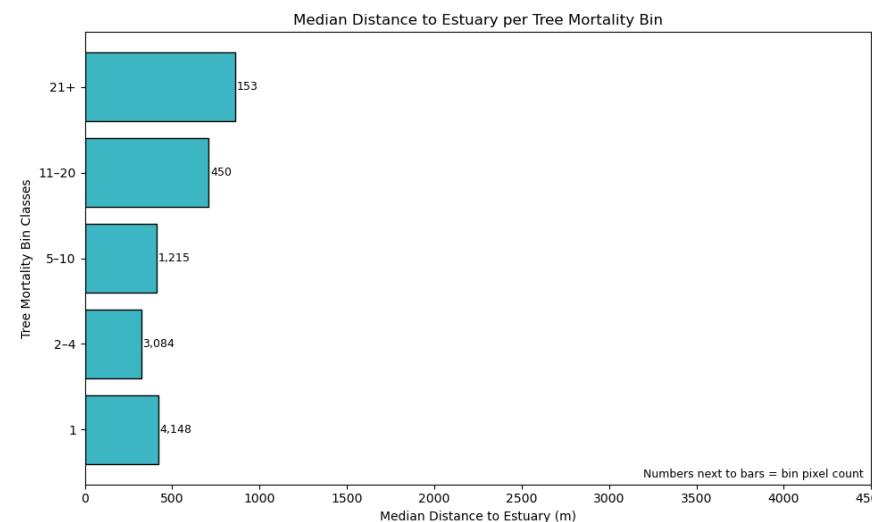
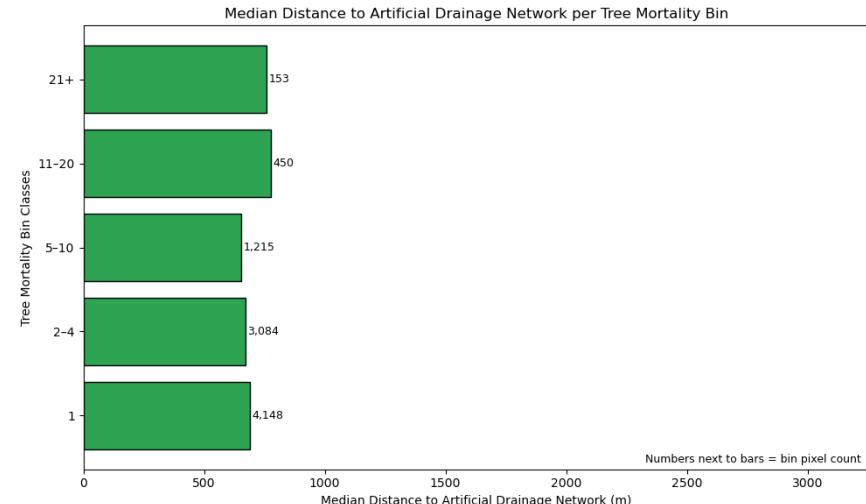
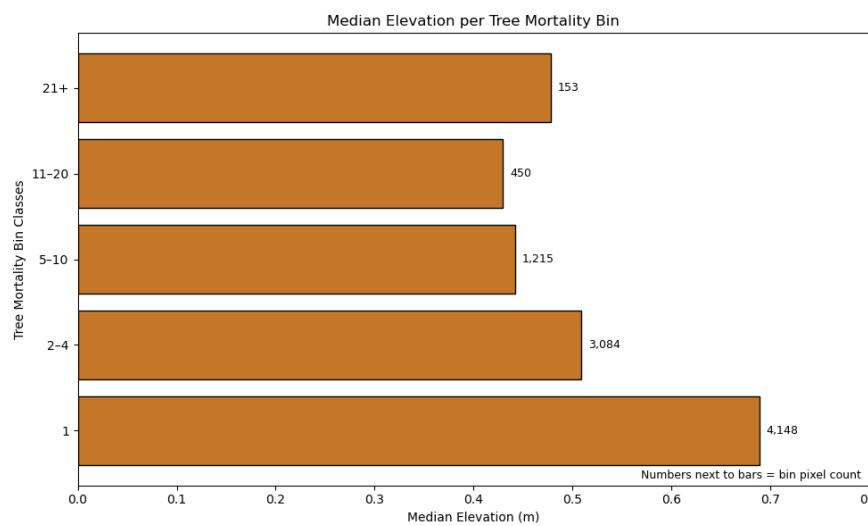


Pocosin Lakes National Wildlife Refuge



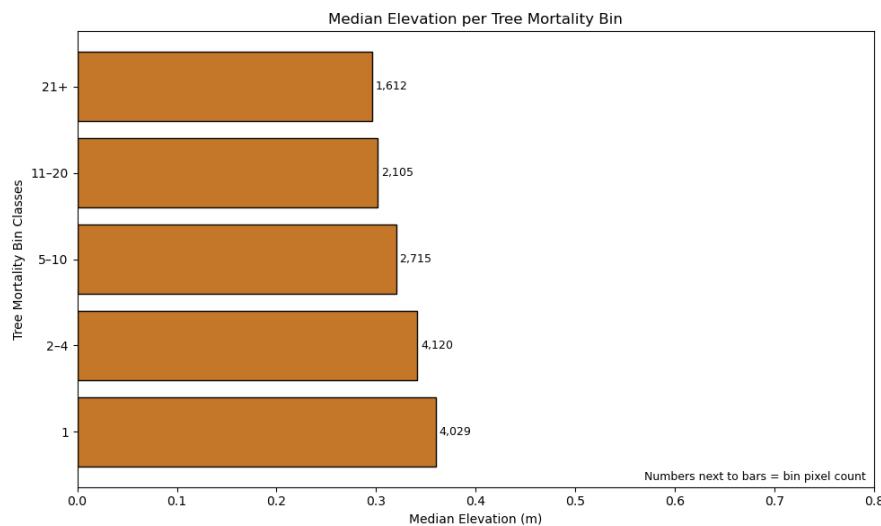
Variable	Median (Live)	Median (Dead)	p	r	Sample Size (Live)	Sample Size (Dead)
Inundation Frequency (%)	0.36	0.4	< 0.001	0.11	22209	8749
Elevation (m)	0.44	0.45	< 0.001	0.04	22137	8734
Distance to Estuary (m)	785	983	< 0.001	0.14	22330	8786
Distance to Artificial Drainage (m)	1465	1438	< 0.001	0.05	22330	8786
Land Cover Class	Pixel Count (Dead)	Total Dead Trees	Pixel Count (Live)	% Experiencing Mortality		
Deciduous Forest	0	0	0	0		
Scrub/Shrub	0	0	0	0		
Palustrine Forested Wetland	6568	21296	13365	33		
Palustrine Scrub/Shrub Wetland	1426	3547	5732	19.9		
Estuarine Scrub/Shrub Wetland	3	11	6	33.3		

Goose Creek State Park and Game Land

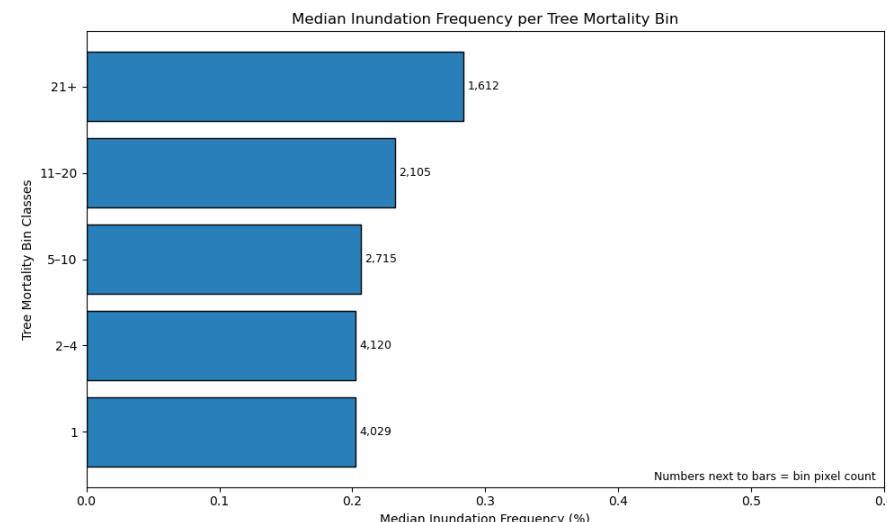
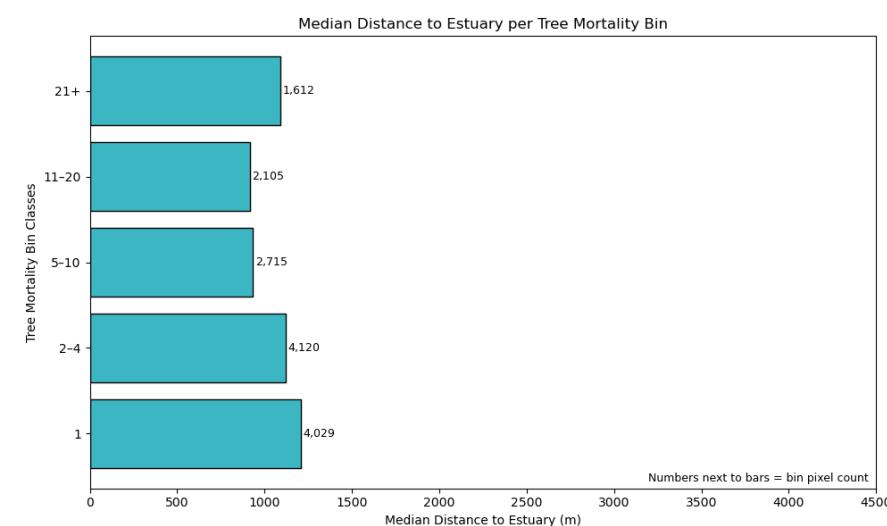
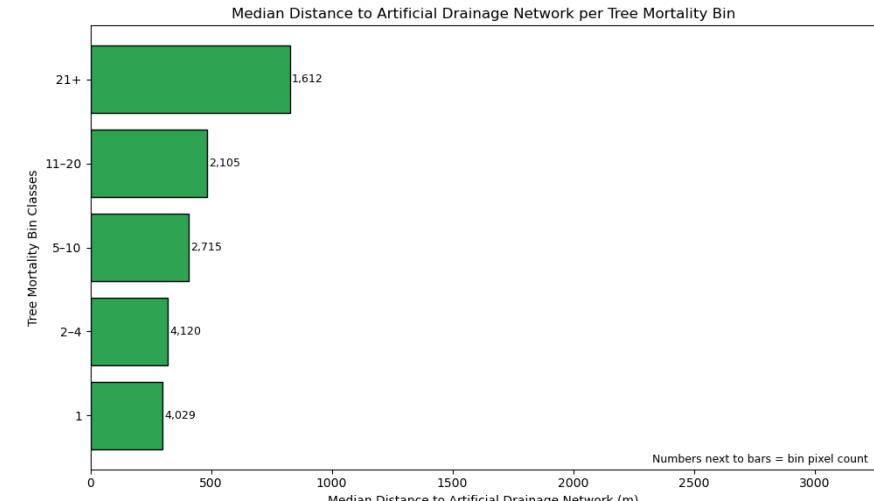


Variable	Median (Live)	Median (Dead)	p	r	Sample Size (Live)	Sample Size (Dead)
Inundation Frequency (%)	0.09	0.15	< 0.001	0.23	19414	9014
Elevation (m)	0.75	0.55	< 0.001	-0.19	19078	8907
Distance to Estuary (m)	342	400	< 0.001	0.09	19606	9087
Distance to Artificial Drainage (m)	698	690	0.106	0.01	19606	9087
Land Cover Class	Pixel Count (Dead)	Total Dead Trees	Pixel Count (Live)	% Experiencing Mortality		
Deciduous Forest	1	1	20	4.8		
Scrub/Shrub	135	270	668	16.8		
Palustrine Forested Wetland	3107	13207	4251	42.2		
Palustrine Scrub/Shrub Wetland	2237	8302	2906	43.5		
Estuarine Scrub/Shrub Wetland	237	698	176	57.4		

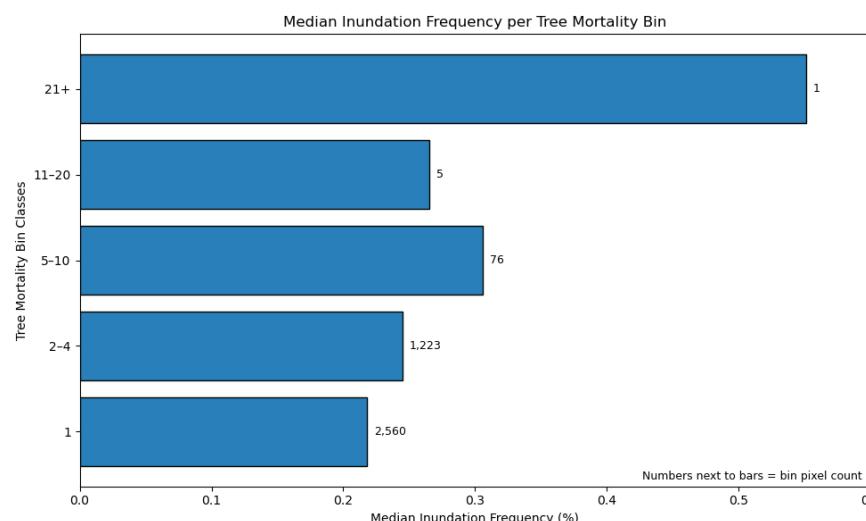
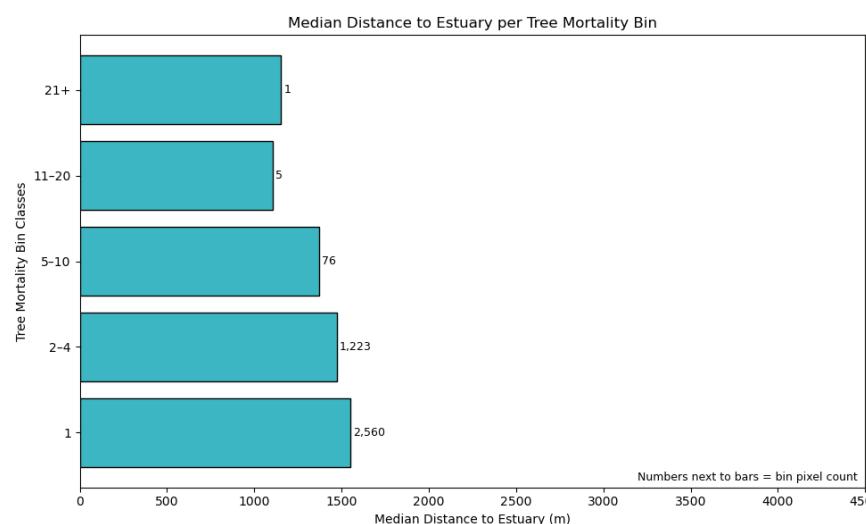
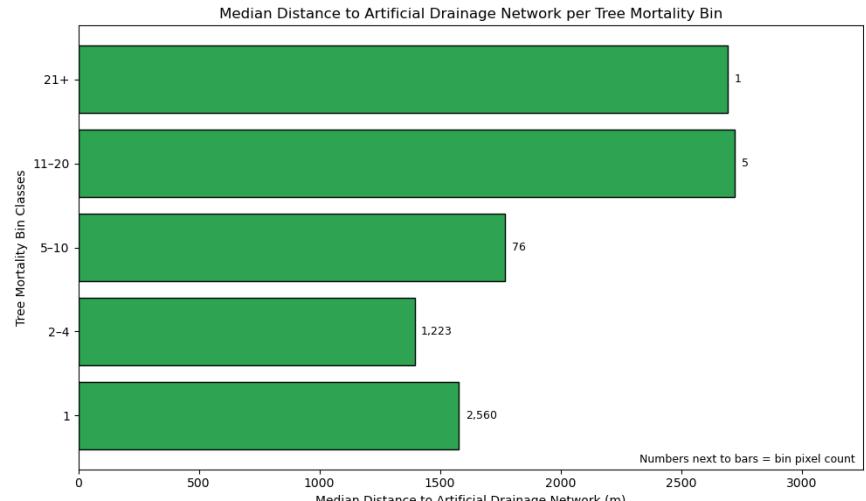
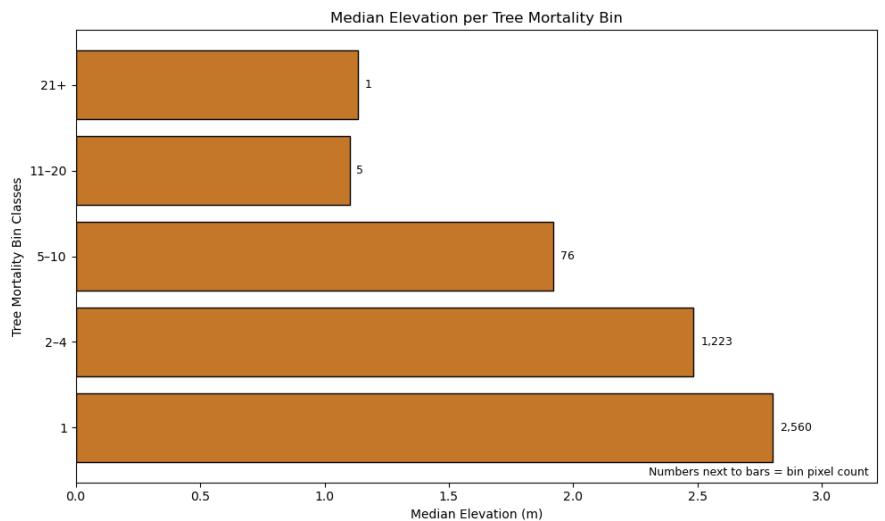
Gull Rock Game Land



Variable	Median (Live)	Median (Dead)	p	r	Sample Size (Live)	Sample Size (Dead)
Inundation Frequency (%)	0.12	0.22	0	0.36	16775	14570
Elevation (m)	0.37	0.33	< 0.001	-0.23	16789	14575
Distance to Estuary (m)	759	1057	< 0.001	0.2	16861	14659
Distance to Artificial Drainage (m)	360	365	< 0.001	0.03	16861	14659
Land Cover Class	Pixel Count (Dead)	Total Dead Trees	Pixel Count (Live)	% Experiencing Mortality		
Deciduous Forest	0	0	0	0		
Scrub/Shrub	0	0	0	0		
Palustrine Forested Wetland	7250	53712	6018	54.6		
Palustrine Scrub/Shrub Wetland	4342	36218	3698	54		
Estuarine Scrub/Shrub Wetland	153	823	765	16.7		

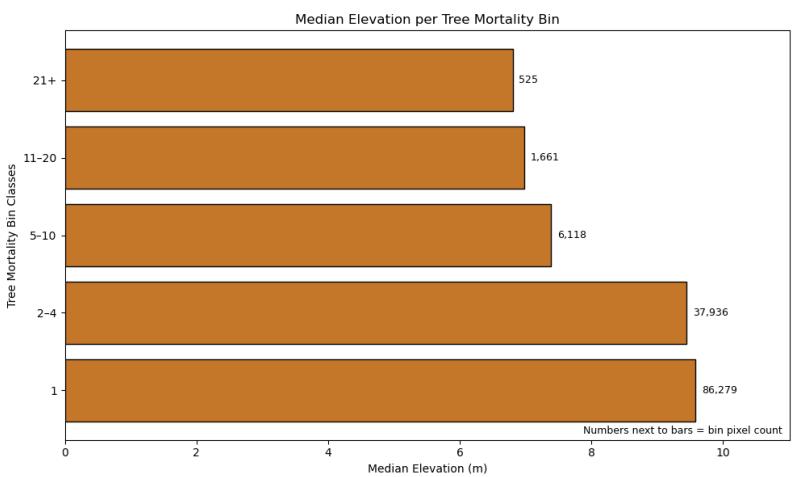
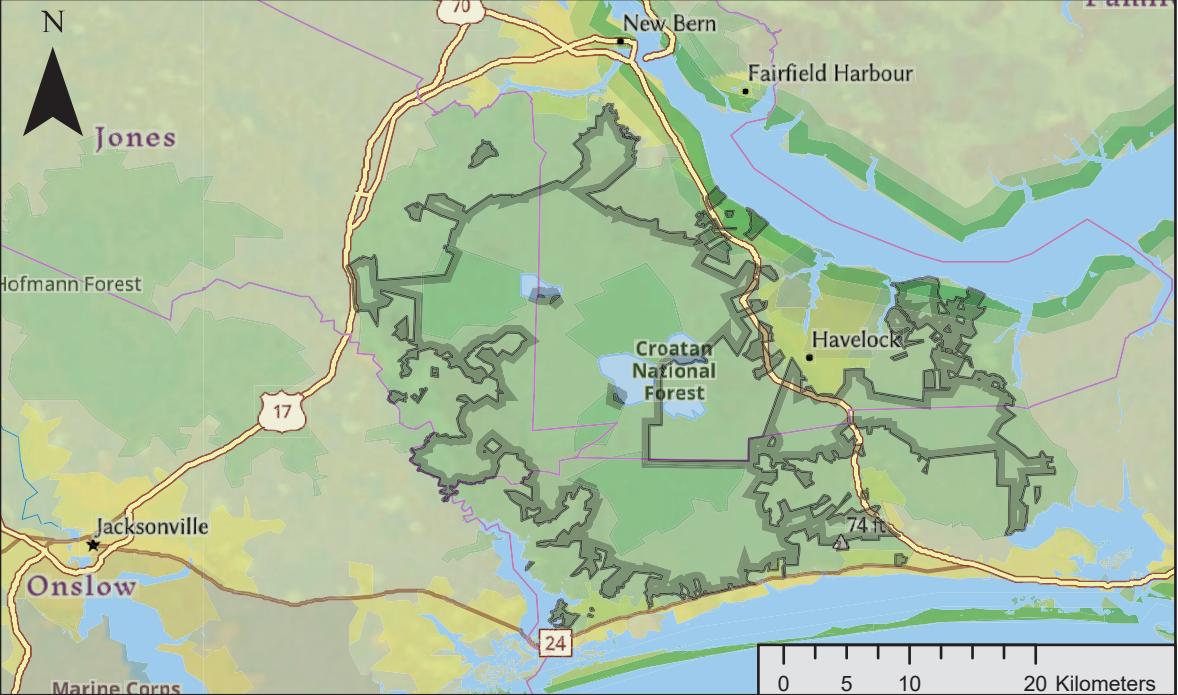


Neuse River Game Land



Variable	Median (Live)	Median (Dead)	p	r	Sample Size (Live)	Sample Size (Dead)
Inundation Frequency (%)	0.18	0.22	< 0.001	0.2	10876	3854
Elevation (m)	3.04	2.66	< 0.001	-0.16	10820	3845
Distance to Estuary (m)	1634	1522	< 0.001	-0.08	10924	3868
Distance to Artificial Drainage (m)	1860	1538	< 0.001	-0.18	10924	3868
Land Cover Class	Pixel Count (Dead)	Total Dead Trees	Pixel Count (Live)	% Experiencing Mortality		
Deciduous Forest	0	0	0	0		
Scrub/Shrub	17	26	357	4.5		
Palustrine Forested Wetland	3045	4636	6333	32.5		
Palustrine Scrub/Shrub Wetland	705	1223	3182	18.1		
Estuarine Scrub/Shrub Wetland	2	12	1	66.7		

Croatan National Forest



Variable	Median (Live)	Median (Dead)	p	r	Sample Size (Live)	Sample Size (Dead)
Inundation Frequency (%)	0.13	0.19	0	0.27	522351	132395
Elevation (m)	9.83	9.43	0	-0.13	520848	131931
Distance to Estuary (m)	4489	4535	< 0.001	0.01	524173	132897
Distance to Artificial Drainage (m)	2215	2023	< 0.001	-0.05	524173	132897
Land Cover Class	Pixel Count (Dead)	Total Dead Trees	Pixel Count (Live)	% Experiencing Mortality		
Deciduous Forest	110	210	610	15.3		
Scrub/Shrub	593	981	8244	6.7		
Palustrine Forested Wetland	99376	193981	345116	22.4		
Palustrine Scrub/Shrub Wetland	7140	18890	25172	22.1		
Estuarine Scrub/Shrub Wetland	67	193	75	47.2		

