

Appendix 2. GIS Mapping Results

Farmland Protection Model – Chatham County

Urban Fringe Model – Chatham County

Farmland Protection Model – Durham County

Urban Fringe Model – Durham County

Farmland Protection Model – Johnston County

Urban Fringe Model – Johnston County

Farmland Protection Model – Orange County

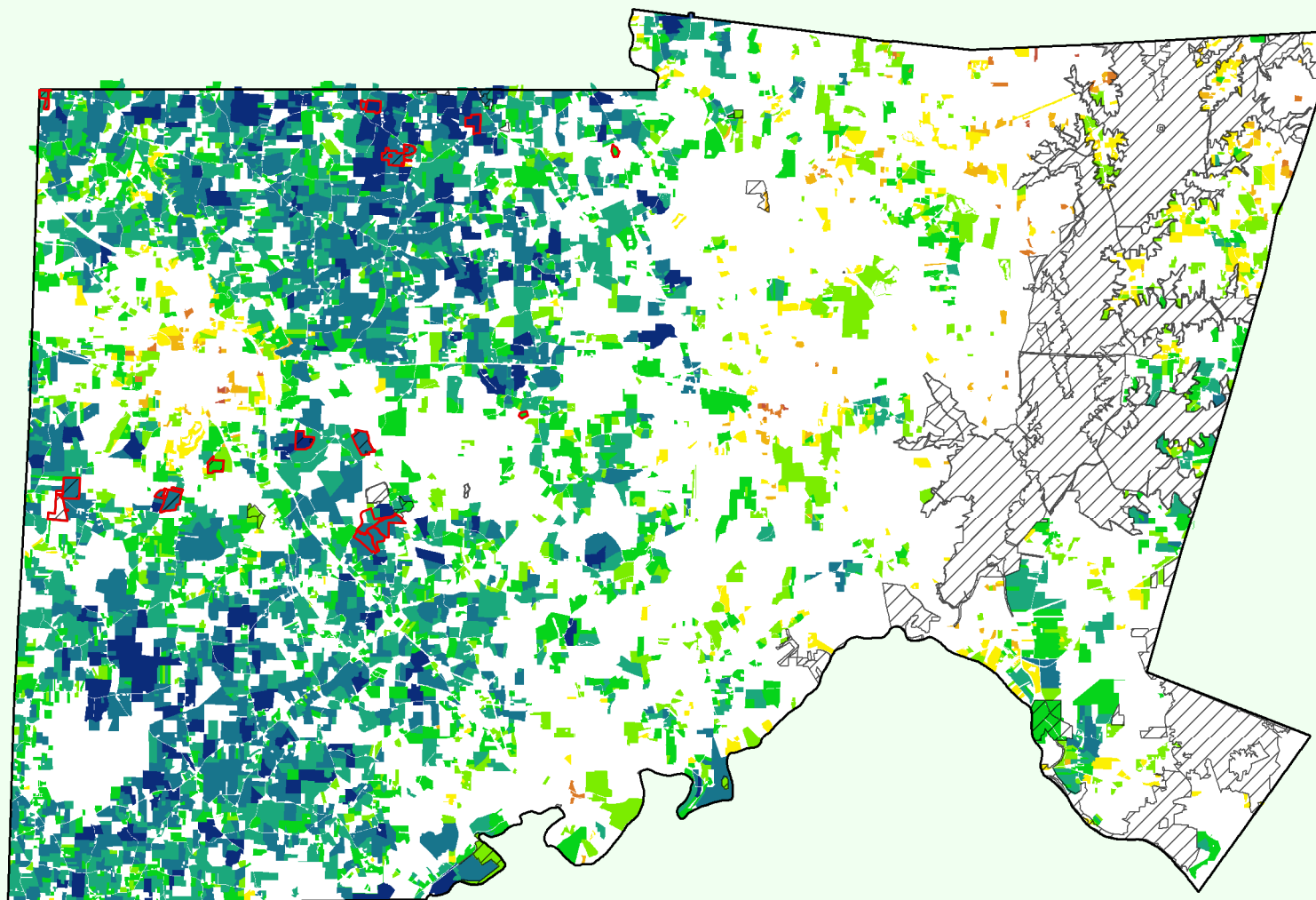
Urban Fringe Model – Orange County

Farmland Protection Model – Wake County

Urban Fringe Model – Wake County

Model Statistics

Farmland Protection Model - Chatham County

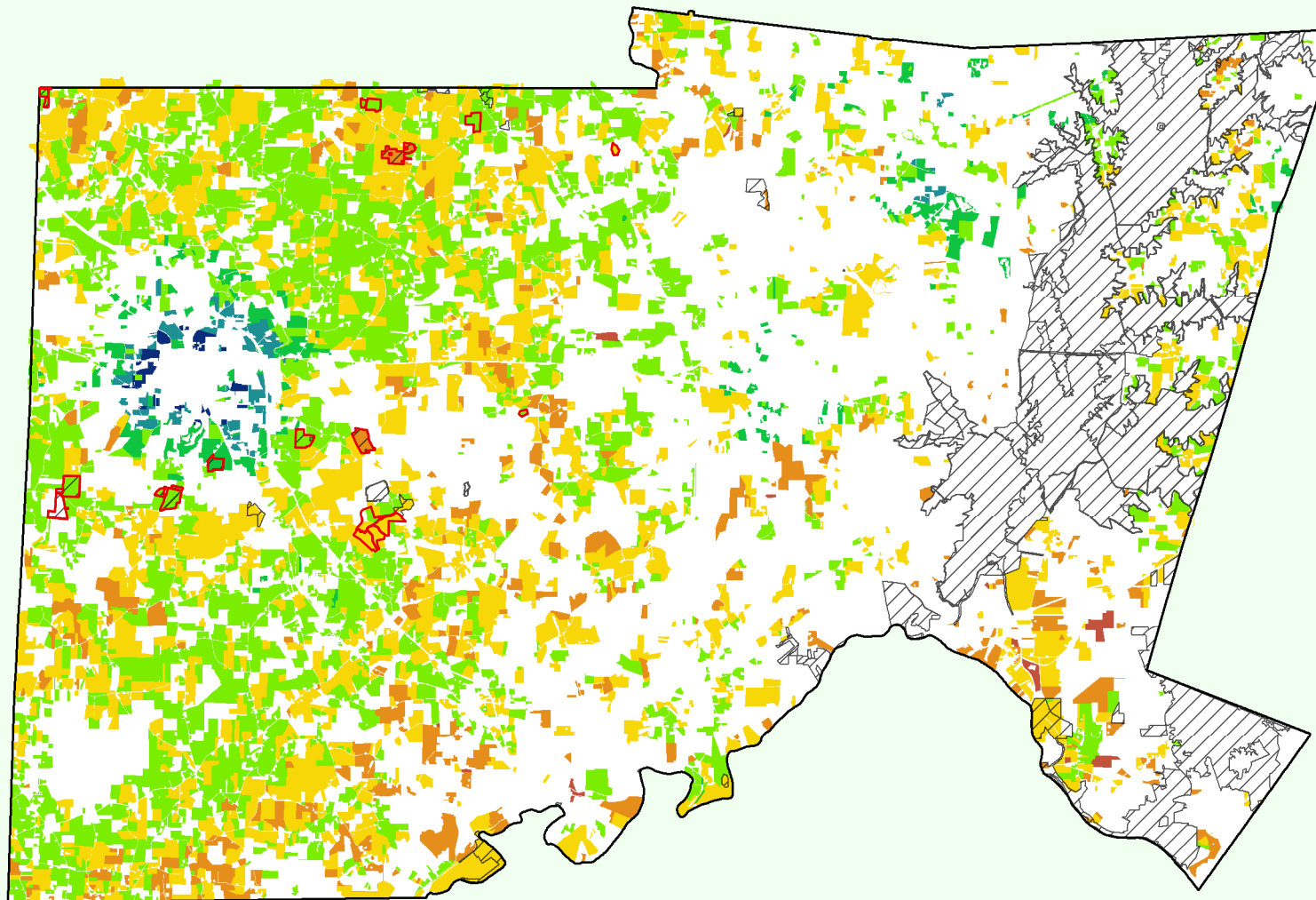


Parcel Score



	Chatham County Entire Study Region	
Lowest parcel score	1.96	1
Highest parcel score	9.99	10.45
Mean parcel score	6.97	6.53
Percent scoring above a 7	59%	46%

Urban Fringe Model - Chatham County

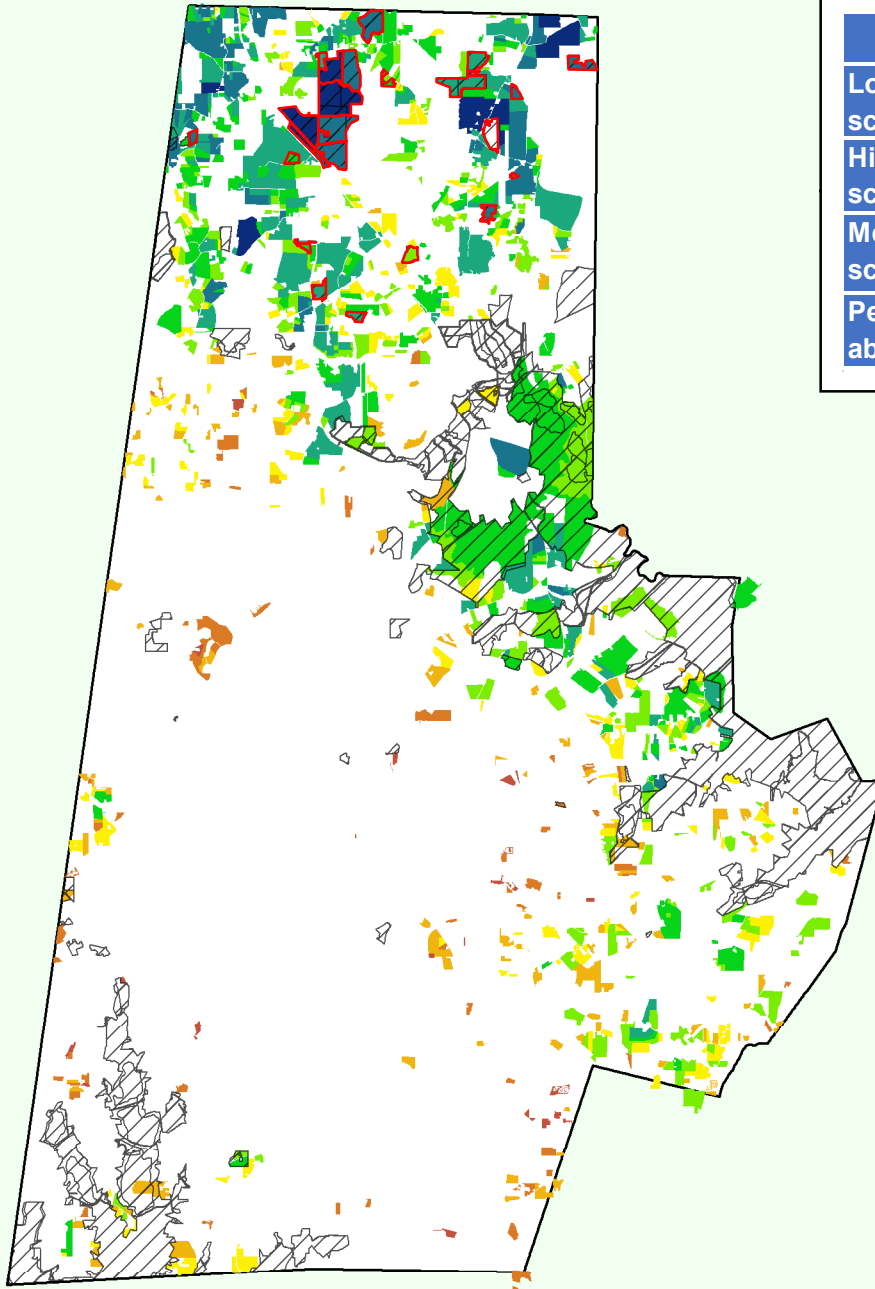


Parcel Score



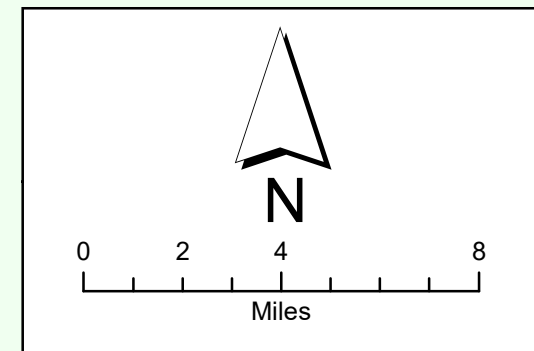
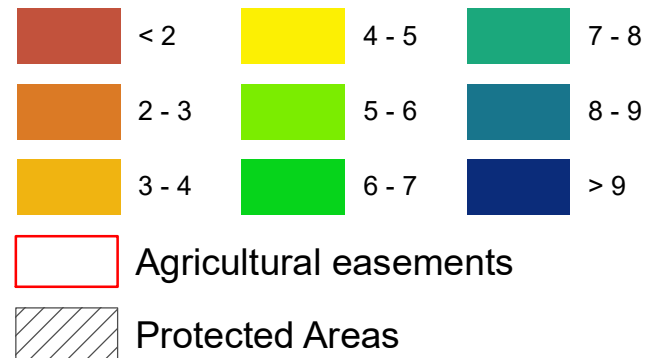
	Chatham CountyEntire Study Region	
Lowest parcel score	3	2.01
Highest parcel score	9	9
Mean parcel score	5.43	5.83
Percent scoring above a 7	5%	17%

Farmland Protection Model - Durham County

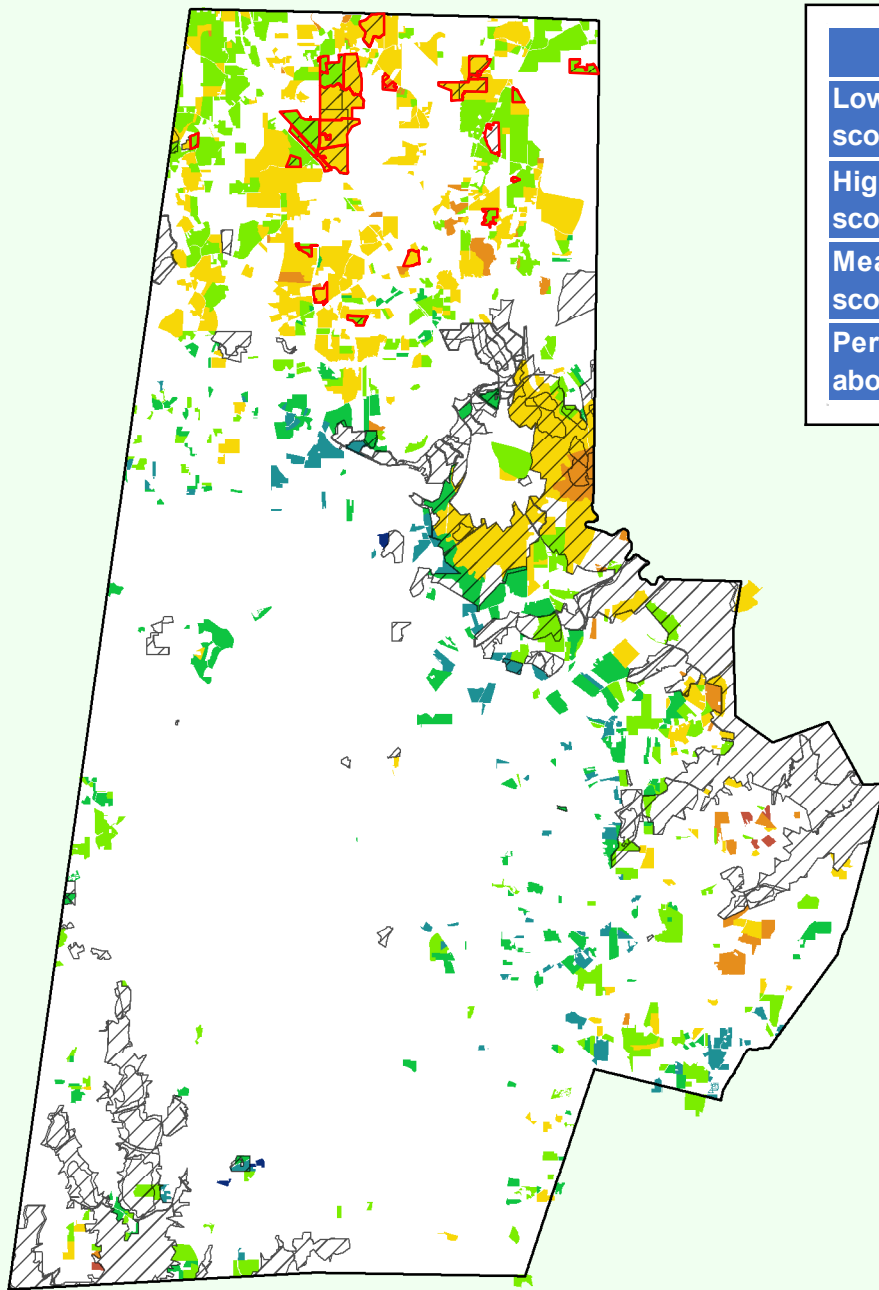


	Durham County	Entire Study Region
Lowest parcel score	1	1
Highest parcel score	9.96	10.45
Mean parcel score	5.69	6.53
Percent scoring above a 7	26%	46%

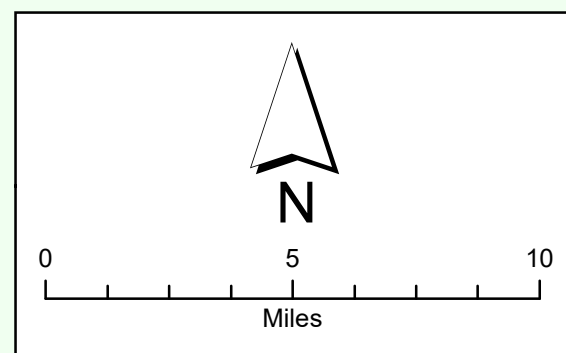
Parcel Score



Urban Fringe Model - Durham County

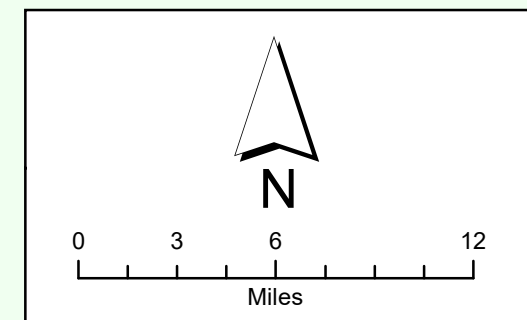
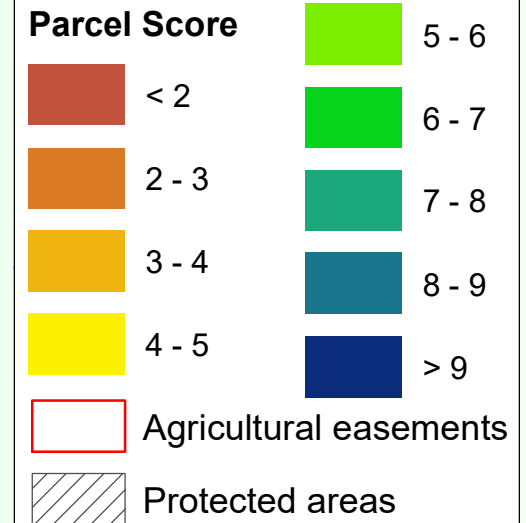
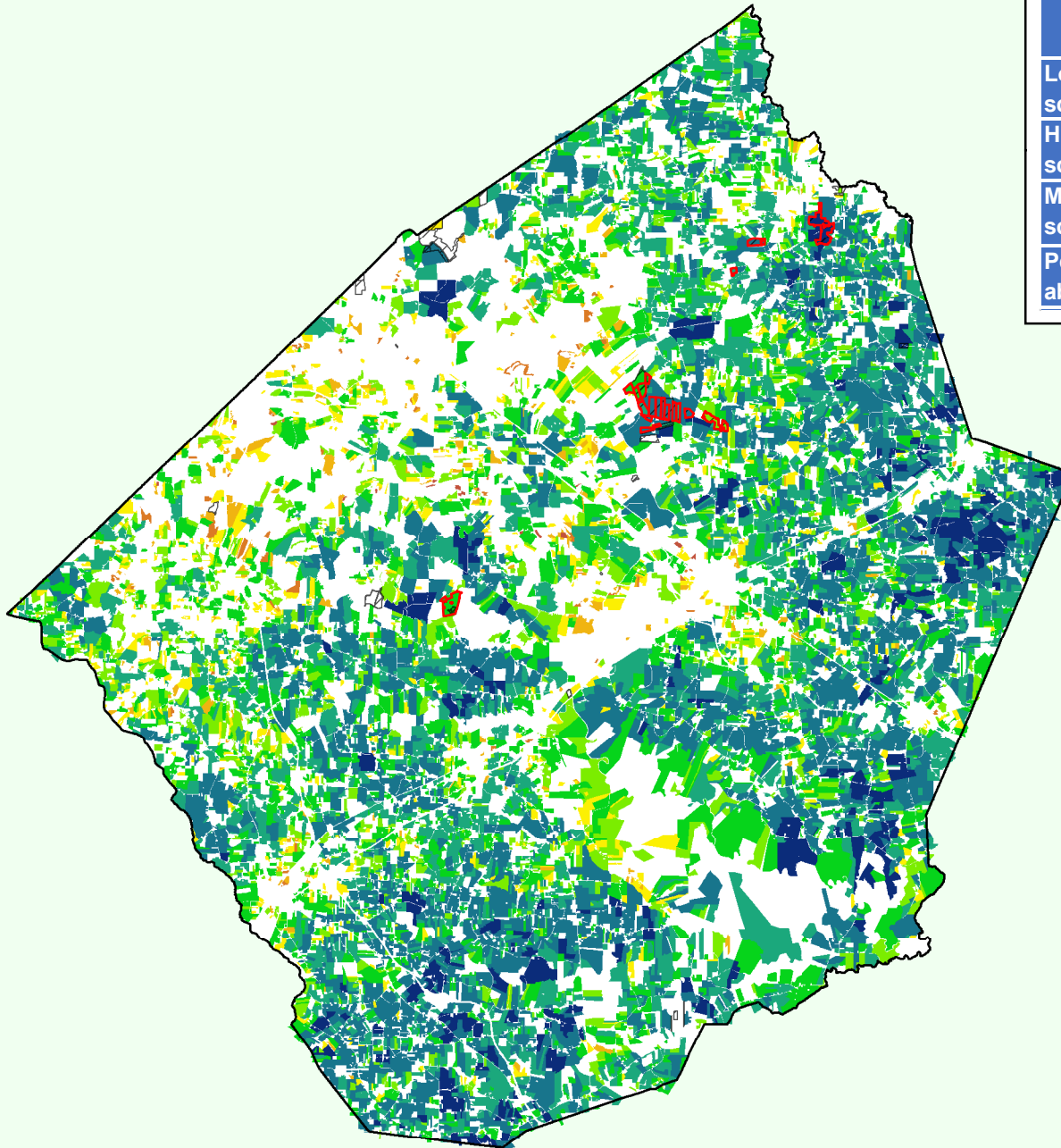


	Durham County	Entire Study Region
Lowest parcel score	3	2.01
Highest parcel score	9	9
Mean parcel score	5.82	5.83
Percent scoring above a 7	20%	17%



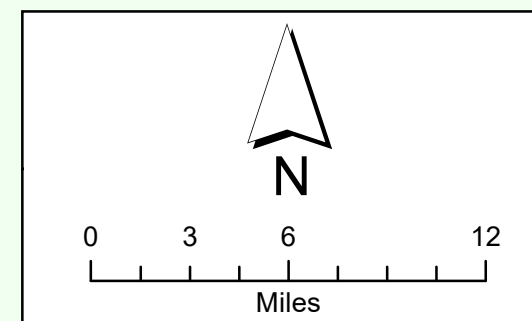
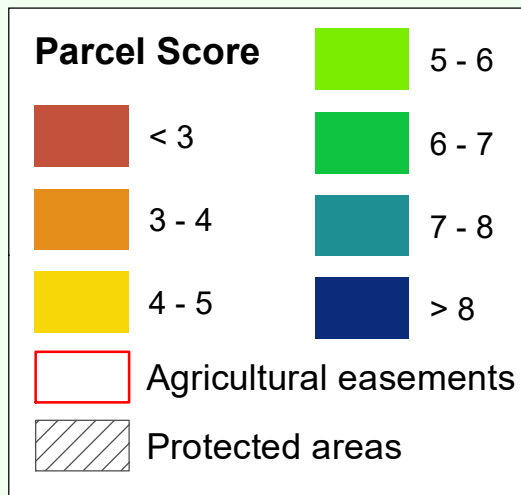
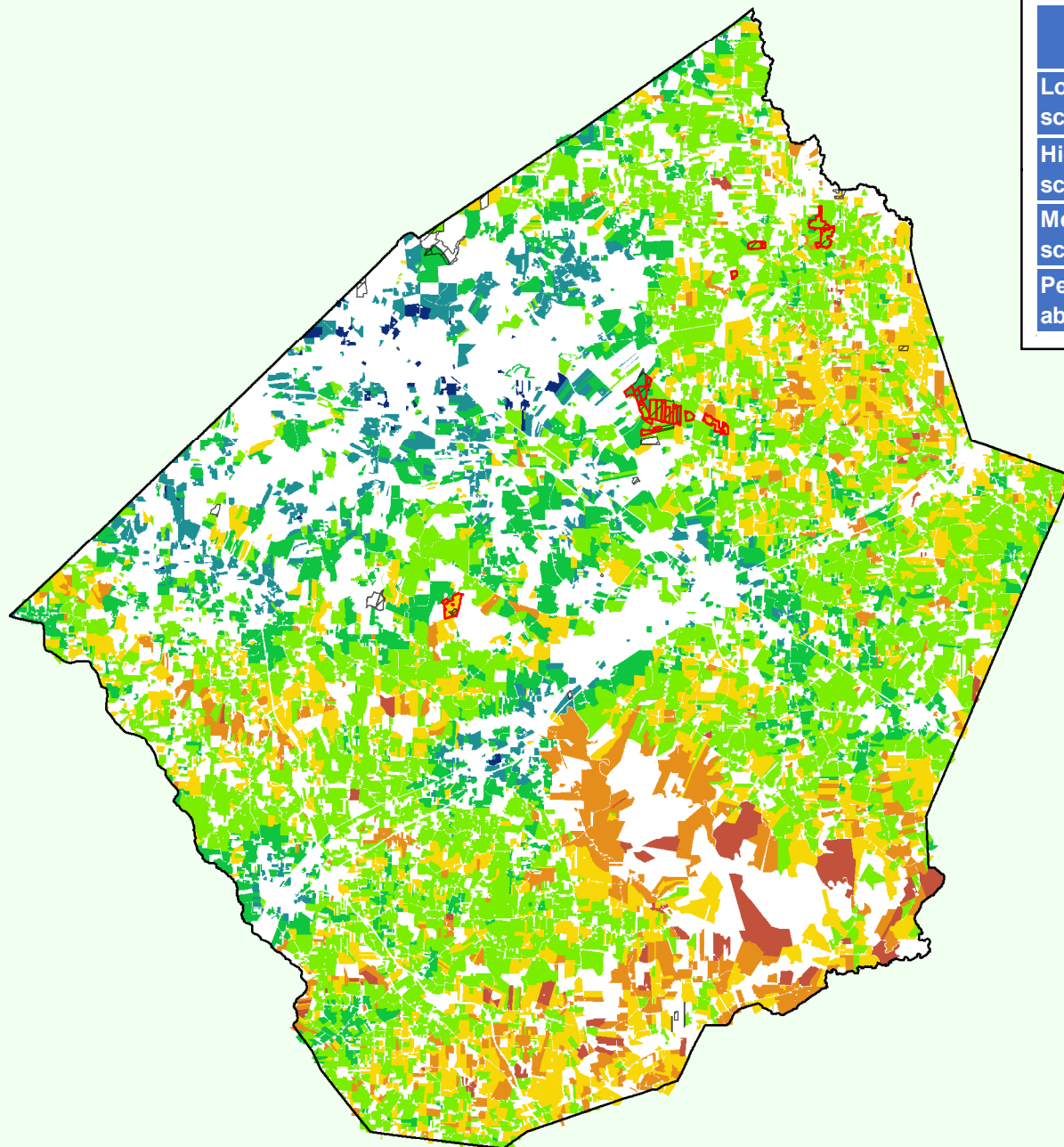
Farmland Protection Model - Johnston County

	Johnston County	Entire Study Region
Lowest parcel score	2	1
Highest parcel score	10.45	10.45
Mean parcel score	7.03	6.53
Percent scoring above a 7	55%	46%

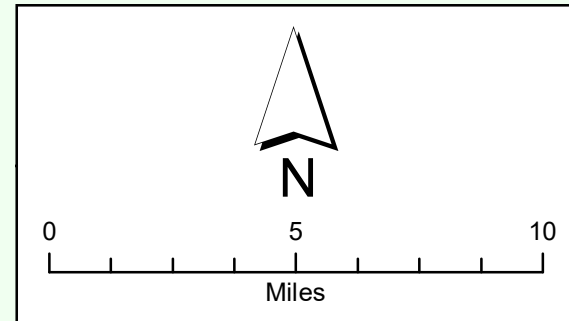
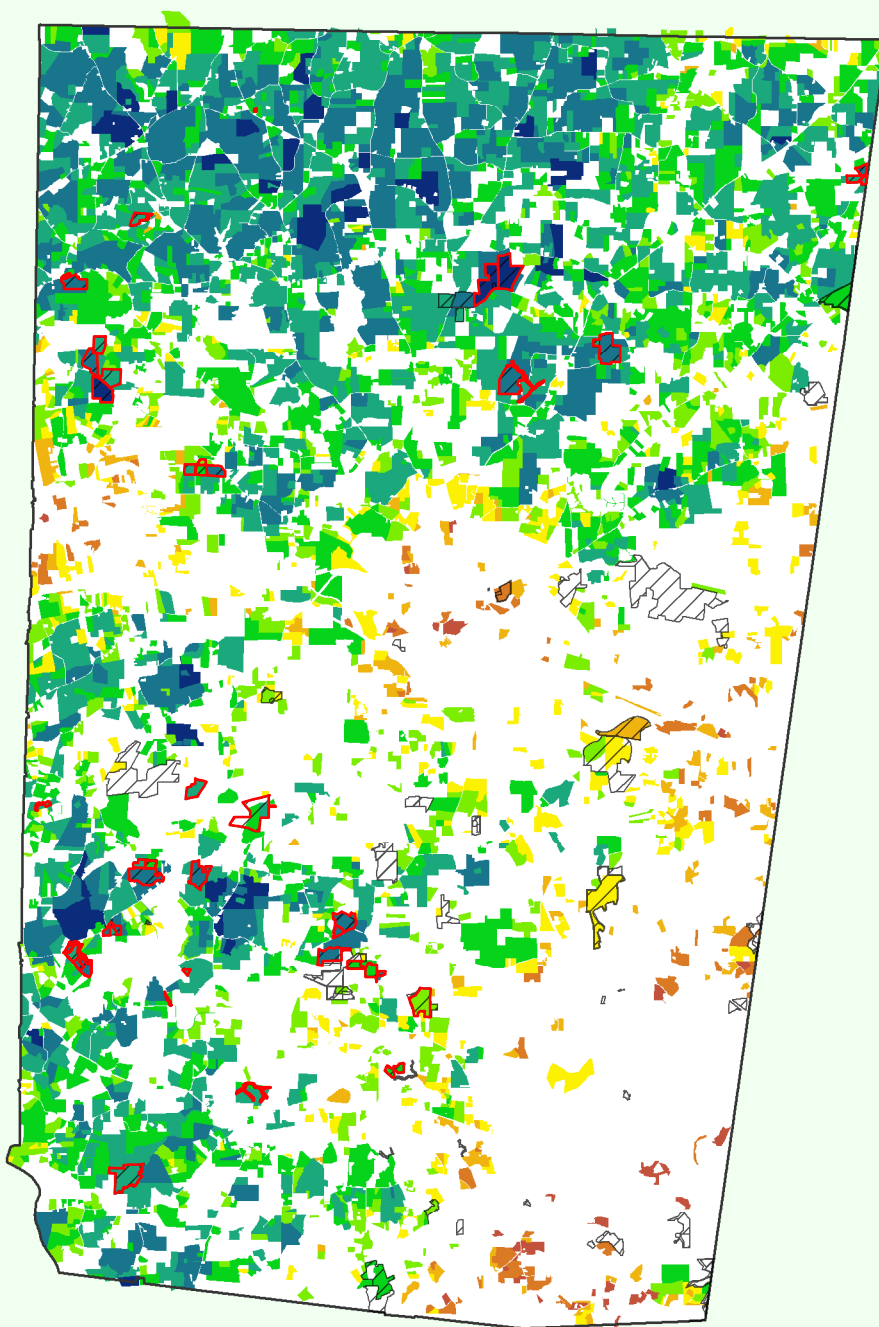


Urban Fringe Model - Johnston County

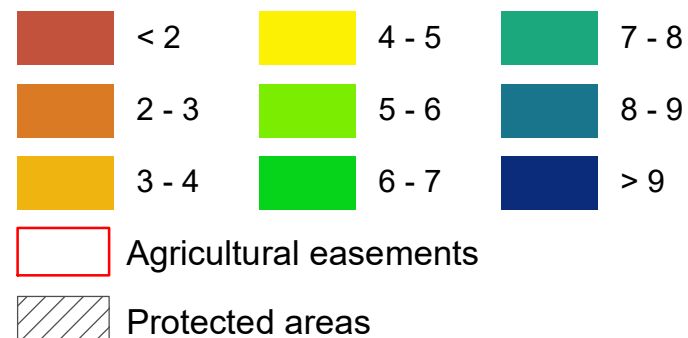
	Johnston County	Entire Study Region
Lowest parcel score	2.01	2.01
Highest parcel score	9	9
Mean parcel score	5.81	5.83
Percent scoring above a 7	16%	17%



Farmland Protection Model - Orange County

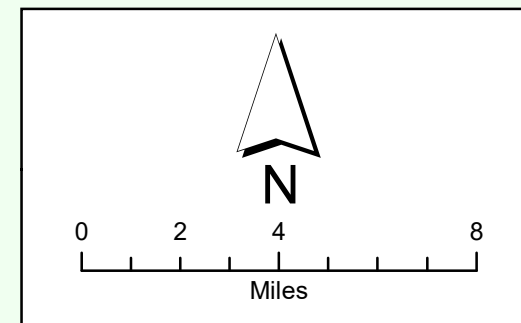
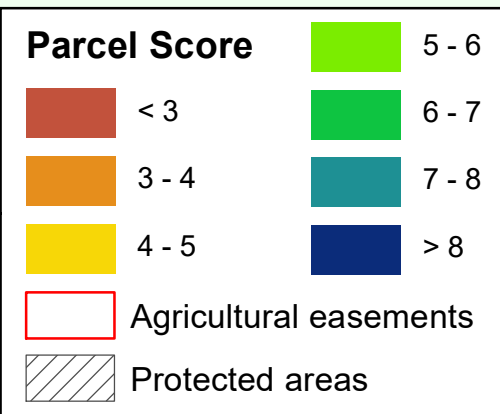
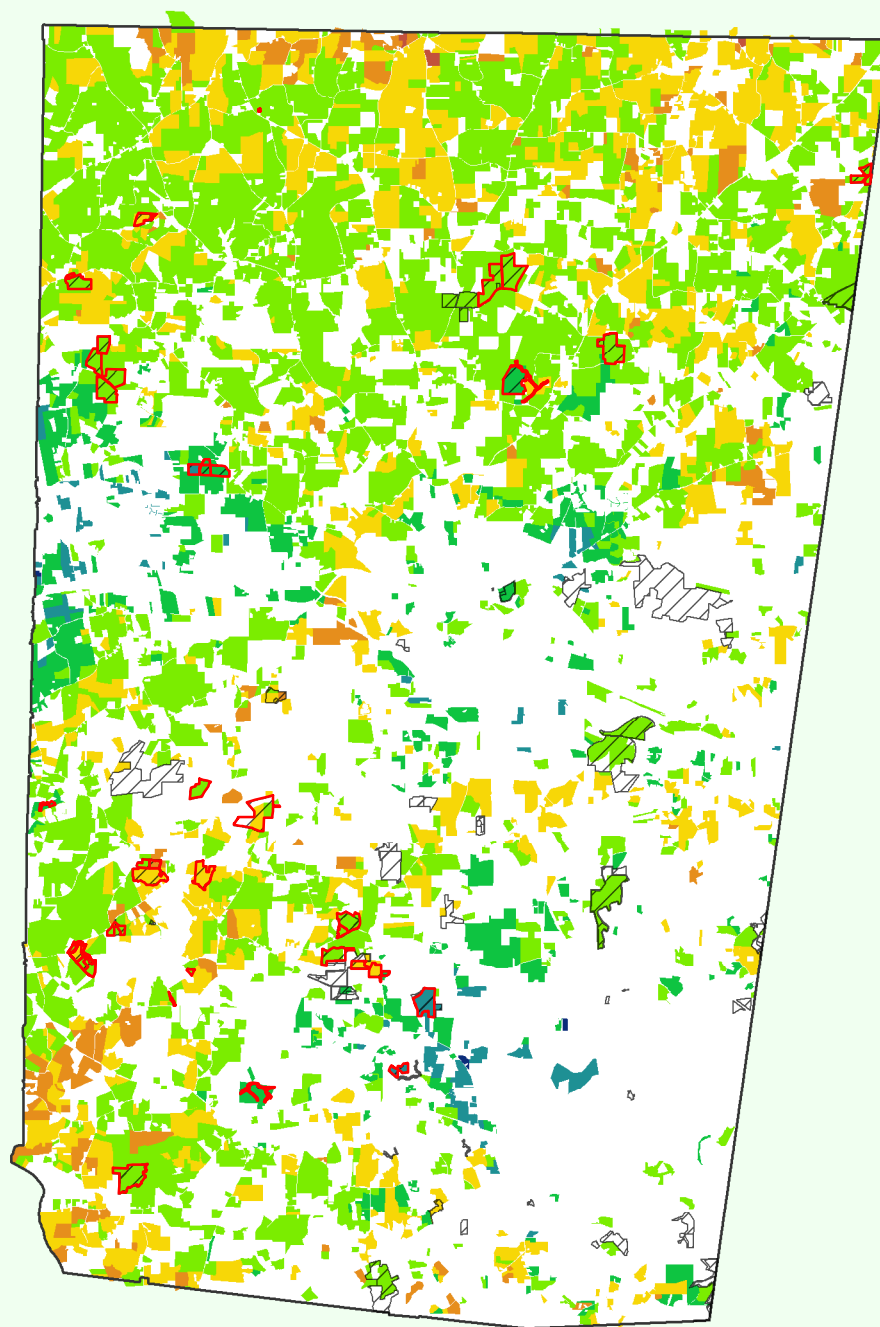


Parcel Score



	Orange County	Entire Study Region
Lowest parcel score	1	1
Highest parcel score	10	10.45
Mean parcel score	6.51	6.53
Percent scoring above a 7	47%	46%

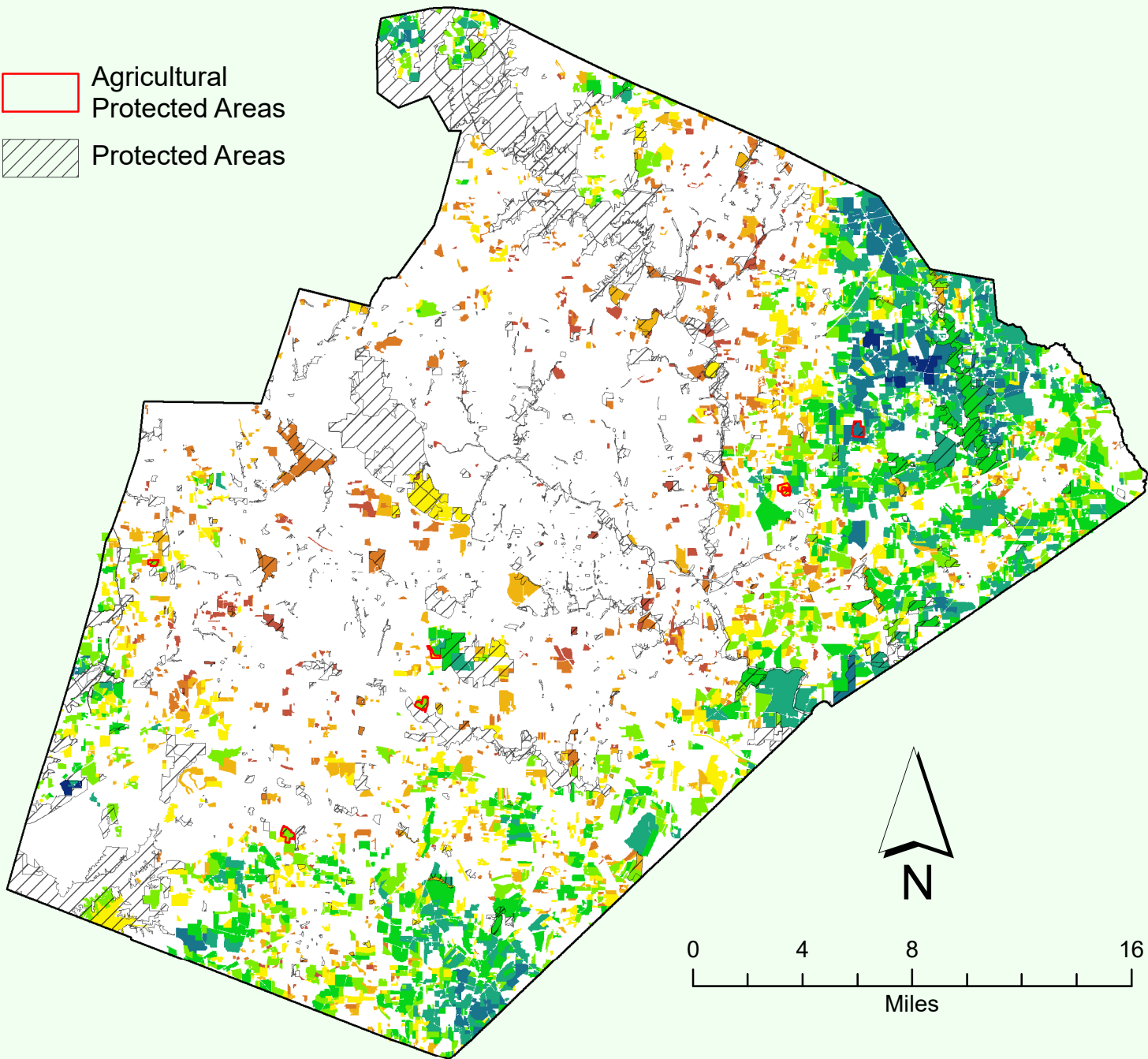
Urban Fringe Model - Orange County



	Orange County	Entire Study Region
Lowest parcel score	3	2.01
Highest parcel score	9	9
Mean parcel score	5.69	5.83
Percent scoring above a 7	8%	17%

Farmland Protection Model - Wake County

-  Agricultural Protected Areas
-  Protected Areas

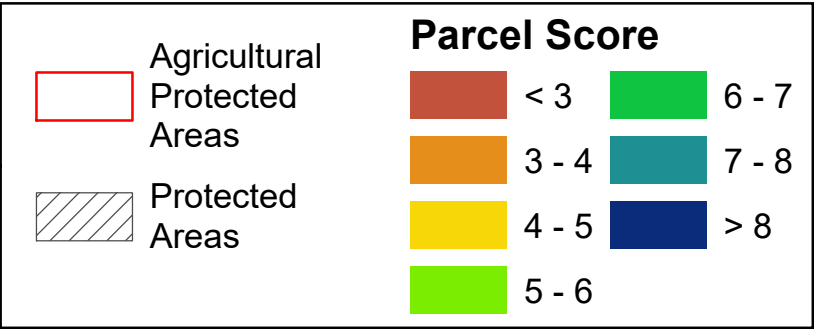
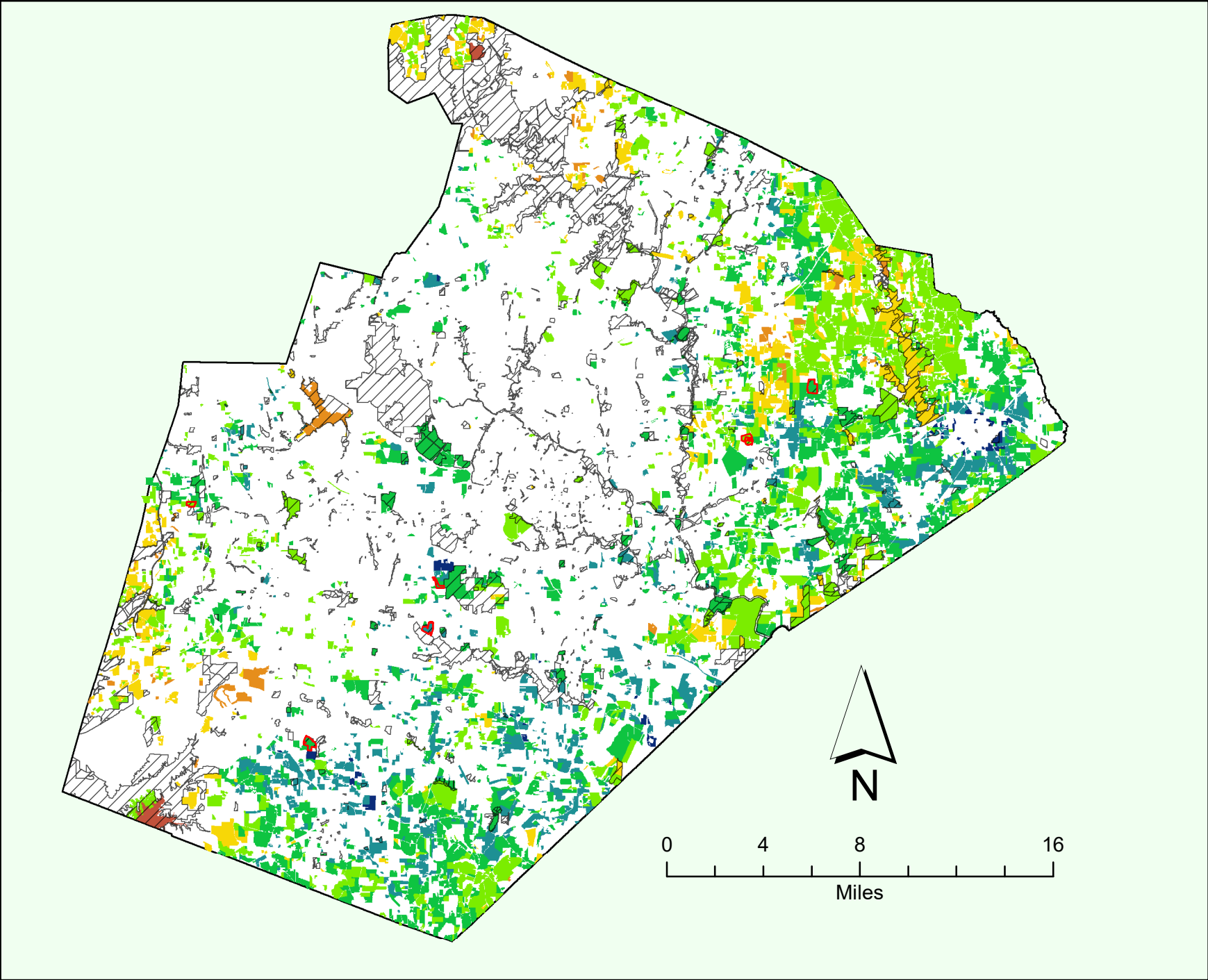


Parcel Score

	< 2		4 - 5		7 - 8
	2 - 3		5 - 6		8 - 9
	3 - 4		6 - 7		> 9

	Wake County	Entire Study Region
Lowest parcel score	1	1
Highest parcel score	9.96	10.45
Mean parcel score	5.2	6.53
Percent scoring above a 7	17%	46%

Urban Fringe Model - Wake County



	Wake County	Entire Study Region
Lowest parcel score	3.02	2.01
Highest parcel score	9	9
Mean parcel score	6.45	5.83
Percent scoring above a 7	42%	17%

Entire Study Area		
	Farmland Protection	Urban Fringe
# of Parcels	25,659	25,659
Score > 5	21,757 (85%)	22,368 (87%)
Score > 7	11,849 (46%)	4,395 (17%)
Score > 9	788 (3%)	65 (0.25%)
Max score	10.45	9
Min score	1	2.01
Mean score	6.53	5.83
Std. dev.	1.7	1.03
Acres	778,492.32	778,492.32
Score > 5	695,082.77	614,057,394
Score > 7	440,198.64	92,077.09
Score > 9	50,936.42	881.99

Johnston County		
	Farmland Protection	Urban Fringe
# of Parcels	10,071	10,071
Score > 5	9,279 (92%)	8629 (86%)
Score > 7	5,577 (55%)	1565 (16%)
Score > 9	471 (5%)	31 (0.31%)
Max score	10.45	9
Min score	2	2.01
Mean score	7.03	5.81
Std. dev.	1.51	1.06
Acres	316,189.41	316,189.41
Score > 5	300,690.83	244,342
Score > 7	205,627.83	33,789.36
Score > 9	25,317.30	421.38

Chatham County		
	Farmland Protection	Urban Fringe
# of Parcels	5,392	5,392
Score > 5	5130 (95%)	4330 (80%)
Score > 7	3182 (59%)	250 (5%)
Score > 9	221 (4%)	12 (0.22%)
Max score	9.99	9
Min score	1.96	3
Mean score	6.97	5.43
Std. dev.	1.36	0.87
Acres	170,182.27	170,182.27
Score > 5	164,899.33	116,931
Score > 7	116,601.50	4,641.88
Score > 9	16,980.21	185.73

Orange County		
	Farmland Protection	Urban Fringe
# of Parcels	4,183	4,183
Score > 5	3698 (88%)	3767 (90%)
Score > 7	1977 (47%)	350 (8%)
Score > 9	64 (2%)	1 (0.02%)
Max score	10	9
Min score	1	3
Mean score	6.51	5.69
Std. dev.	1.51	0.8
Acres	114,365.53	114,365.53
Score > 5	104,892.13	98,029
Score > 7	69,863.97	5,529.59
Score > 9	5,259.31	15.73

Durham County		
	Farmland Protection	Urban Fringe
# of Parcels	1,208	1,208
Score > 5	865 (72%)	1,072 (89%)
Score > 7	311 (26%)	237 (20%)
Score > 9	13 (1%)	1 (0.08%)
Max score	9.96	9
Min score	1	3
Mean score	5.69	5.82
Std. dev.	1.68	1.05
Acres	32,706.75	32,706.75
Score > 5	26,939.13	23,464
Score > 7	11,833.01	3,478.53
Score > 9	1,776.42	30.45

Wake County		
	Farmland Protection	Urban Fringe
# of Parcels	4,767	4,767
Score > 5	2,753 (58%)	4534 (95%)
Score > 7	788 (17%)	1982 (42%)
Score > 9	19 (0.4%)	20 (0.4%)
Max score	9.96	9
Min score	1	3.02
Mean score	5.2	6.45
Std. dev.	1.79	1.04
Acres	144,179.20	144,179.20
Score > 5	96,872.07	130,478
Score > 7	35,876.58	44,379.30
Score > 9	1,603.18	228.7